

Bridge Load Rating

Prepared for

Maine Department of Transportation

Brewer

I395 / MCRR Bridge

Bridge No. 1559

Interstate 395 & Two Ramps

Over

Maine Central Railroad

Date of Inspection: 7/8/2019

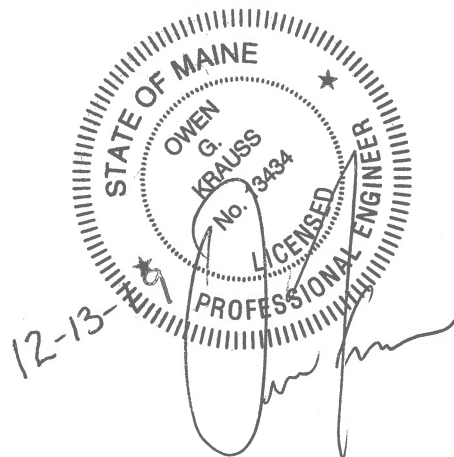
Date of Rating: 12/13/2019

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Hoyle, Tanner
& Associates, Inc.



BREAKDOWN OF BRIDGE RATING

Town/City: Brewer
 Route Carried: Interstate 395 & Two Ramps

Bridge No: 1559
 Crosses: Maine Central Railroad

STRENGTH LOAD RATING POINTS OF INTEREST

<u>Bridge Component</u>	EV2		EV3	
	Inv 57.5 kip	Oper 57.5 kip	Inv. 86.0 kip	Oper 86.0 kip
Top Slab Strength I Positive Moment	N/A	2.88	N/A	1.83
Top Slab Strength I Negative Moment	N/A	2.25	N/A	1.45
Top Slab Strength I Shear	N/A	1.54	N/A	1.15
Leg Strength I Moment	N/A	4.73	N/A	3.18
Leg Strength I Shear	N/A	12.00	N/A	6.99
CONTROLLING RATING FACTORS		1.54		1.15

DESCRIPTION OF BRIDGE

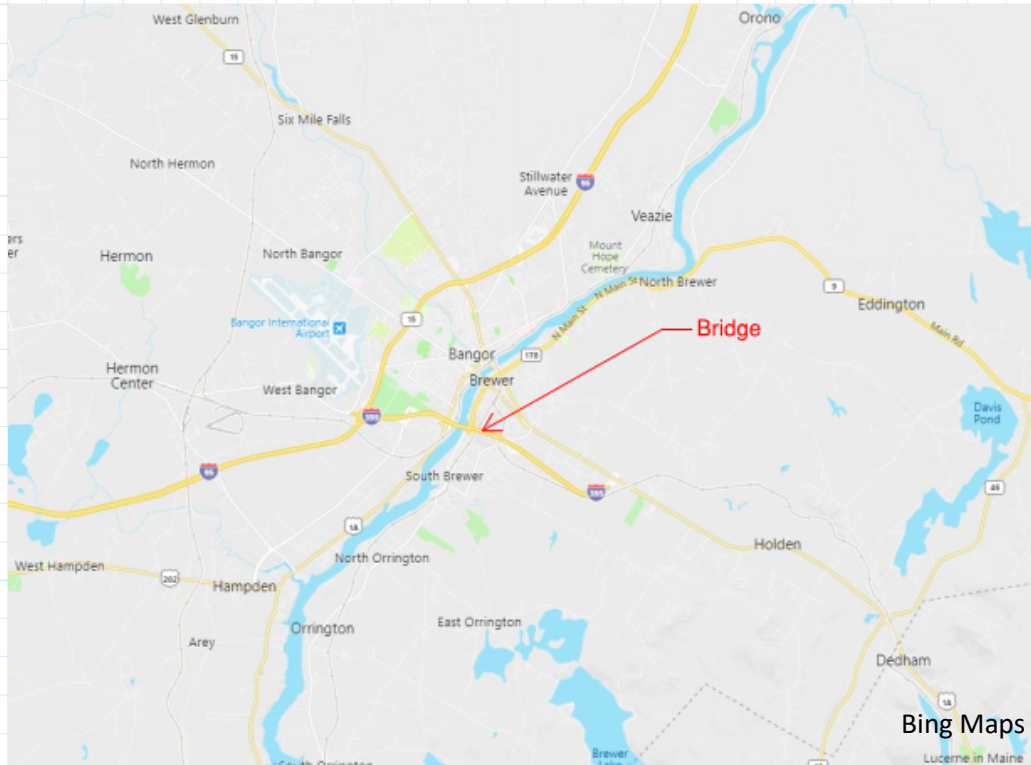
Bridge Number:	1559
Owner:	MaineDOT
Maintained By:	MaineDOT Eastern Region (Region 4)
Location:	Brewer
Route Carried:	Interstate 395 & Two Ramps
Feature Intersected:	Maine Central Railroad
Latest NBI Inspection Date:	7/8/2019
Field Verification Date (if applicable):	N/A
Date of Construction:	1984
Bridge Type:	Concrete rigid frame
Material Properties:	Cast-in-Place Concrete: $f_c=3\text{ksi}$; Reinforcing Steel: 60ksi
Original Design Loading:	HS25 (as modified for interstate)
Date(s) of Rebuild/Rehab:	N/A
Description of Rebuild/Rehab:	N/A
Posting:	None
Superstructure:	Reinforced concrete rigid frame
Substructure:	Reinforced concrete rigid frame on pile supported foundation
Bearings:	N/A
Bridge Spans:	25'-0" (clear span)
Bridge Skew:	15°47'15.7"
Bridge Width:	286'-0" out-to-out
	I-395 EB & WB: 24'-0" travel way with 10'-0" shoulders &
Roadway Width:	18'-0" +/- median between travel ways
	Ramps: 4'-0" shoulder, 16'-0" travel way, 13'-0" shoulder with
	permanent concrete barrier type III
Roadway Surface:	8" Hot Mix Asphalt (assumed)
Curbs:	N/A
Sidewalk/Walkway/Median:	I-395: Double-faced thrie beam median guardrail
Utilities:	N/A
Bridge Railing:	Ramps: 1'-9" wide permanent concrete barrier type III
Approach Railing:	Ramps: Thrie beam rail with steel posts
Wearing Surface Condition:	N/A
Bridge Railing Condition:	N/A
Deck Condition:	N/A
Superstructure Condition:	N/A
Bearing Condition:	N/A
Substructure Condition:	N/A
Culvert Condition:	Satisfactory

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LOCATION MAP

- Bridge No. 1559 carrying I-395 over Maine Central Railroad.



NOTES & ASSUMPTIONS

- The computer program Midas Civil 2018 Edition (Version 2.3) is utilized to calculate factored force effects.
- Hand calculations are done to determine factored member resistances and to perform the load rating calculations.

MBE Condition and System Factors

- Per the Inspection Report, the rigid frame is in good condition.

Condition Factor: $\varphi_c := 1.0$ MBE Table 6A.4.2.3-1

System Factor:

For Flexure: $\varphi_{s,f} := 1.0$ MBE Table 6A.4.2.4-1

For Shear (Strength Limit State): $\varphi_{s,v} := 1.0$ MBE Article 6A.4.2.4

LIST OF REFERENCES

- MaineDOT Load Rating Guide (LRG) April 2015.
- AASHTO Manual for Bridge Evaluation (MBE) Third Edition, 2018.
- AASHTO LRFD Bridge Design Specifications (BDS) Eighth Edition, November 2017.
- MaineDOT Bridge Design Guidelines (BDG), August 2003 with updates through June 2018.
- MaineDOT Bridge Plan Development Guide (BPDG), March 2007.
- MaineDOT Standard Details (SD) November 2014 Edition.
- FHWA Memorandum on Load Rating for the FAST Act's Emergency Vehicles, dated 11/3/2016.
- FHWA Questions and Answers for Load Rating for the FAST ACT's Emergency Vehicles, Revision R01, dated 3/16/2018.
- Existing plans dated March 6, 1984 prepared by State of Maine Department of Transportation, consisting of 26 sheets; numbered 1 through 25. (Appendix A).
- Highway Bridge Inspection Report dated 7/8/2019 (Appendix B).

MATERIAL PROPERTIES

- Material properties are taken from Sheet 1 of 25 of the existing plans, unless noted otherwise.

Rigid Frame

Concrete Class "A" 28 Day Compressive Strength:

$$f'_c := 3 \text{ ksi}$$

28 Day Concrete Modulus of Elasticity:

$$E_c := 1820 \cdot \sqrt{f'_c} \cdot \text{ksi}$$

BDS Eq. C5.4.2.4-3

$$E_c = 3152.332 \text{ ksi}$$

Concrete Density Modification Factor:

$$\lambda := 1.0$$

BDS Article 5.4.2.8

Modulus of Rupture:

$$f_r := 0.24 \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} = 0.416 \text{ ksi}$$

BDS Articles 5.4.2.6

Bituminous Pavement

Wearing Surface Unit Weight:

$$\gamma_{ws} := 0.140 \text{ kcf}$$

BDS Table 3.5.1-1

Concrete

Reinforced Concrete Unit Weight:

$$\gamma_{conc} := 0.150 \text{ kcf}$$

BDS Table 3.5.1-1

Unreinforced Concrete Unit Weight:

$$\gamma_{conc_un} := 0.145 \text{ kcf}$$

BDS Table 3.5.1-1

Reinforcing Steel

Reinforcing Steel Yield Strength:

$$f_y := 60 \text{ ksi}$$

Steel Modulus of Elasticity:

$$E_s := 29000 \text{ ksi}$$

BDS Art. 5.4.3.2

Steel Unit Weight:

$$\gamma_{steel} := 0.490 \text{ kcf}$$

BDS Table 3.5.1-1

Modular Ratio:

$$n := \text{round} \left(\frac{E_s}{E_c} \right) = 9.000$$

BDS Art. 5.3, 5.6.1 & Eq. 6.10.1.1.1b-1

Backfill

Soil Unit Weight:

$$\gamma_{soil} := 0.125 \text{ kcf}$$

BDG Table 3-3

BRIDGE GEOMETRY

- All existing information taken from sheets 2, 10, 11, and 12A of the existing plans.

Span Length: $L_{span} := 25 \text{ ft}$

Top of Footing Elevation: $EL_{TOF} := 31.00 \text{ ft}$

Minimum Slab Thickness:
(at outside faces of legs) $t_{slab_min} := 1 \text{ ft} + 4 \text{ in}$

Maximum Slab Thickness:
(at center of slab) $t_{slab_max} := 1 \text{ ft} + 6 \text{ in}$

Leg Thickness: $t_{leg} := 2 \text{ ft} + 0 \text{ in}$

Wearing Surface Thickness: $t_{ws} := 8 \text{ in}$

- Actual thickness is unknown; typical values for interstate are approximately 6" - 8".

Skew Angle: $Skew = \text{Varies}$

- The effects of the skew will be conservatively neglected, and the live load will be considered as Case 1, Traffic Travels Parallel to Span.

Approx. Min. Leg Height at Min. Soil:
(at Ramp SM-4, taken at C/L Track STA 14+10) $h_{leg_min_soil} := 57.65 \text{ ft} - t_{slab_min} - EL_{TOF} = 25.317 \text{ ft}$

Approx. Leg Height at Max Soil:
(at I-395 Westbound, taken at C/L Track STA 15+30) $h_{leg_max_soil} := 58.10 \text{ ft} - t_{slab_min} - EL_{TOF} = 25.767 \text{ ft}$

Approx. Max. Leg Height:
(at Ramp SM-3, taken at C/L Track STA 16+50) $h_{leg_max_leg} := 58.54 \text{ ft} - t_{slab_min} - EL_{TOF} = 26.207 \text{ ft}$

Rigid Frame Leg Height: $h_{leg} := \begin{bmatrix} h_{leg_min_soil} \\ h_{leg_max_soil} \\ h_{leg_max_leg} \end{bmatrix} = \begin{bmatrix} 25.317 \\ 25.767 \\ 26.207 \end{bmatrix} \text{ ft}$

PERMANENT LOADS

- The LRFR evaluation is performed for a 1' strip of the rigid frame.
- Three locations are evaluated: one at the minimum soil depth location at Ramp SM-4, one at the maximum soil depth location at I-395 Westbound, and one at the maximum rigid frame leg height at Ramp SM-3.
- The top slab is modeled as a constant 1'-4" thick element, and the additional concrete for the crown is included as a triangular load in the model.

Components and Attachments (DC)

Self Weight

- The rigid frame self weight is calculated by the computer program.
- The following value is calculated for verification of the output.

Weight of Rigid Frame:

$$DC_{RF} := \gamma_{conc} \cdot \left(t_{slab_min} \cdot (L_{span} + 2 \cdot t_{leg}) + 2 \cdot (t_{leg} \cdot h_{leg}) \right) \cdot 1 \text{ ft} = \begin{bmatrix} 20.990 \\ 21.260 \\ 21.524 \end{bmatrix} \text{ kip}$$

Overlay

- The overlay thickness varies from 0" at the outside faces of the legs to 2" at the crown at midspan.

Thickness at Crown:

$$t_{overlay_max} := t_{slab_max} - t_{slab_min} = 2.000 \text{ in}$$

Weight at Crown:

$$w_{overlay_max} := \gamma_{conc_un} \cdot t_{overlay_max} \cdot 1 \text{ ft} = 0.024 \text{ klf}$$

Concrete Barrier

- The concrete barriers are along the shoulders of the ramps where there is less than 3' of soil cover. The barriers are approximately 6' away from the marked travel way. Therefore, by observation they are outside of the area influenced by live load and are not considered in the analysis.

PERMANENT LOADS (CONT.)

Components and Attachments (DC) (Cont.)

Bridge Railing

- A double-faced guardrail is located between I-395 Westbound and I-395 Eastbound. It is approximately 6' from the Westbound marked travel way and 12' from the Eastbound marked travel way.
- Assume height of soil at median guardrail is the same as the max soil depth found at I-395 Westbound travel way, which is 5.25' (see calculation sheet LR-9).
- Assume the weight of the rail is distributed down at a 1V:1H slope.
- By inspection, the live load force effect overlaps with the median rail dead load force effects. Therefore, calculate the weight of the rail based on the details found in the MaineDOT Standard Details November 2014 Edition (see sheets 606(03) and 606(04)).

Post Spacing: $S_{post} := 6 \text{ ft} + 3 \text{ in}$

Post Unit Weight: $w_{post} := 9 \text{ plf}$ (assume W6x9)

Post Length: $L_{post} := 31 \text{ in} + (3 \text{ ft} + 5 \text{ in}) = 6.000 \text{ ft}$

Post Weight: $W_{post} := w_{post} \cdot L_{post} = 0.054 \text{ kip}$

Offset Block Area: $A_{block} := 5.5 \text{ in} \cdot 7.5 \text{ in} = 41.250 \text{ in}^2$

Offset Block Length: $L_{block} := 14 \text{ in}$

Wood Unit Weight:
(assume hard) $\gamma_{wood} := 0.060 \text{ kcf}$ BDS Table 3.5.1-1

Offset Block Weight: $W_{block} := A_{block} \cdot L_{block} \cdot \gamma_{wood} = 0.020 \text{ kip}$

Thrie Beam Area: $A_{thrie} := 3.5 \text{ in}^2$ (based on drawing)

Thrie Beam Weight: $W_{thrie} := \gamma_{steel} \cdot A_{thrie} \cdot S_{post} = 0.074 \text{ kip}$

Total Railing Weight: $w_{rail} := \frac{W_{post} + 2 \cdot W_{block} + 2 \cdot W_{thrie}}{S_{post}} = 0.039 \text{ klf}$
Say 0.05klf

Railing Weight over 1' Strip: $DC_{rail} := \frac{0.05 \text{ klf}}{5.25 \text{ ft} + t_{ws}} \cdot 1 \text{ ft} = 0.008 \text{ klf}$

- Note: DC_{rail} should have been divided by 2, but leave as-is because it is conservative and will not change the results.

PERMANENT LOADS (CONT.)

Components and Attachments (DC) (Cont.)

Approach Slab

- The length of the approach slab is not indicated in the existing plans. Therefore, assume approach slab dimensions based on the MaineDOT Standard Details November 2014 Edition "Concrete Approach Slab 502(02)".
- Assume that half of the approach slab length is supported by the approach slab seat (corbel). This tributary length will also be used when calculating the superimposed loads on top of the approach slab.
- Assume that the corbel reaction occurs at the middle of its projection from the wall.
- Calculate the vertical corbel reaction and the moment due to its eccentricity based on the tributary width of the plate element mesh and apply the loads and moments to the multiple corbel nodes along the wall length to represent the total load.
- Nodal moments may only be applied about the global axes; therefore, calculate the moment arm in the global X-direction to facilitate the input effort.

Approach Slab Thickness: $t_{approach} := 8 \text{ in}$

Approach Slab Length: $L_{approach} := 15 \text{ ft} + 6 \text{ in}$

Approach Slab Self Weight
Corbel Reaction:

$$W_{approach} := t_{approach} \cdot \frac{L_{approach}}{2} \cdot \gamma_{conc} \cdot 1 \text{ ft} = 0.775 \text{ kip}$$

Approach Slab Corbel Width:
(measured normal to the wall)

$$b_{corbel} := 6 \text{ in} \quad \text{Existing Plans Sheet 12A}$$

Approach Slab Corbel Reaction Eccentricity:
(measured normal to the wall)

$$e_{corbel} := \frac{b_{corbel}}{2} + \frac{t_{leg}}{2} = 1.250 \text{ ft}$$

Approach Slab Corbel Moment
about Global Y-axis:

$$MY_{approach} := W_{approach} \cdot e_{corbel} = 0.969 \text{ ft} \cdot \text{kip}$$

Approach Slab Corbel

Corbel Area: $A_{corbel} := (6 \text{ in} \cdot 1 \text{ ft}) + (0.5 \cdot 6 \text{ in} \cdot 6 \text{ in}) = 0.625 \text{ ft}^2$

Corbel Self Weight: $W_{corbel} := \gamma_{conc} \cdot A_{corbel} \cdot 1 \text{ ft} = 0.094 \text{ kip}$

Corbel Moment about Global Y-axis: $MY_{corbel} := W_{corbel} \cdot e_{corbel} = 0.117 \text{ ft} \cdot \text{kip}$

PERMANENT LOADS (CONT.)

Wearing Surface and Utilities (DW)

- There are no utilities on this bridge.

Wearing Surface

Thickness of Wearing Surface: $t_{ws} = 8.000 \text{ in}$

Wearing Surface DL per Foot: $DW := \gamma_{ws} \cdot (t_{ws} \cdot 1 \text{ ft}) = 0.093 \text{ klf}$

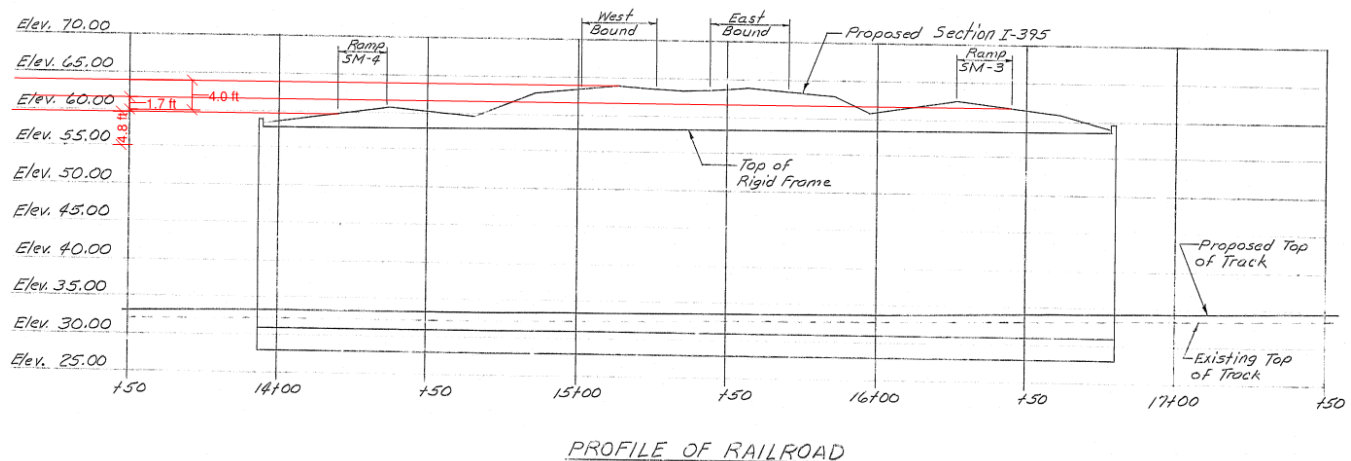
Wearing Surface Above Approach Slab
Corbel Reaction: $W_{approach_ws} := t_{ws} \cdot \frac{L_{approach}}{2} \cdot \gamma_{ws} \cdot 1 \text{ ft} = 0.723 \text{ kip}$

Wearing Surface Above Approach Slab
Corbel Moment about Global Y-axis: $MY_{approach_ws} := W_{approach_ws} \cdot e_{corbel} = 0.904 \text{ ft} \cdot \text{kip}$

Vertical Earth Pressure (EV)

- Earth fill over the top slab varies over the span length and along the rigid frame length. The minimum fill is at Ramp SM-4 and the maximum fill is at I-395 Westbound.
- The fill thicknesses are estimated based on the Profile of Railroad on Existing Plans sheet 2.
- Use a constant fill thickness across the span for the 1' rigid frame strips analyzed.
- Per BDS Article 12.11.2.2, the amount of earth load carried by the rigid frame is dependent on the construction method: embankment or trench condition. The construction method is unknown; therefore, conservatively assume embankment installation.

Outside Width of Rigid Frame: $B_c := L_{span} + 2 \cdot t_{leg} = 29.000 \text{ ft}$



PERMANENT LOADS (CONT.)

Vertical Earth Pressure (EV) (Cont.)

Roadway Elevation at Min. Soil:	$EL_{rdwy_min_soil} := 59.8 \text{ ft}$	
Rigid Frame Top Slab Elevation at Min. Soil: (at C/L Track STA 14+19.02)	$EL_{RFcrown_min_soil} := 57.82 \text{ ft} \downarrow$ $+ (57.93 \text{ ft} - 57.82 \text{ ft}) \cdot \frac{(1419.02 - 1410)}{(1440 - 1410)}$	
	$EL_{RFcrown_min_soil} = 57.853 \text{ ft}$	Existing Plans Sheet 10
Minimum Soil Thickness:	$t_{soil_min} := (EL_{rdwy_min_soil} - t_{ws}) - EL_{RFcrown_min_soil}$ $t_{soil_min} = 1.280 \text{ ft}$	say 1.25' for min. soil condition
Roadway Elevation at Max. Soil:	$EL_{rdwy_max_soil} := 64.0 \text{ ft}$	
Rigid Frame Top Slab Elevation at Max. Soil: (at C/L Track STA 15+14)	$EL_{RFcrown_max_soil} := 58.16 \text{ ft} \downarrow$ $+ (58.27 \text{ ft} - 58.16 \text{ ft}) \cdot \frac{(1514 - 1500)}{(1530 - 1500)}$	
	$EL_{RFcrown_max_soil} = 58.211 \text{ ft}$	Existing Plans Sheet 10
Maximum Soil Thickness:	$t_{soil_max} := (EL_{rdwy_max_soil} - t_{ws}) - EL_{RFcrown_max_soil}$ $t_{soil_max} = 5.122 \text{ ft}$	say 5.25' for max. soil condition
Roadway Elevation at Max. RF Leg:	$EL_{rdwy_max_leg} := 61.7 \text{ ft}$	
Rigid Frame Top Slab Elevation at Max. Leg Height: (at C/L Track STA 16+45.58)	$EL_{RFcrown_max_leg} := 58.60 \text{ ft} \downarrow$ $+ (58.71 \text{ ft} - 58.60 \text{ ft}) \cdot \frac{(1645.58 - 1620)}{(1650 - 1620)}$	
	$EL_{RFcrown_max_leg} = 58.694 \text{ ft}$	Existing Plans Sheet 10
Maximum Soil Thickness:	$t_{soil_max_leg} := (EL_{rdwy_max_leg} - t_{ws}) - EL_{RFcrown_max_leg}$ $t_{soil_max_leg} = 2.340 \text{ ft}$	say 2.375'
Depth of Soil:	$H := \begin{bmatrix} 1.25 \text{ ft} \\ 5.25 \text{ ft} \\ 2.375 \text{ ft} \end{bmatrix}$	Minimum Soil Maximum Soil Soil at Maximum RF Leg

PERMANENT LOADS (CONT.)

Vertical Earth Pressure (EV) (Cont.)

Soil-structure Interaction Factor: $F_e := 1 + 0.20 \cdot \frac{H}{B_c} = \begin{bmatrix} 1.009 \\ 1.036 \\ 1.016 \end{bmatrix}$ BDS Eq. 12.11.2.2.1-2

Matrix Definition: $i := 1 \dots \text{rows}(h_{leg})$

Total Unfactored Earth Load: $W_{E_i} := F_{e_i} \cdot \gamma_{soil} \cdot H_i \cdot 1 \text{ ft} = \begin{bmatrix} 0.158 \\ 0.680 \\ 0.302 \end{bmatrix} \text{ klf}$ BDS Eq. 12.11.2.2.1-1

- Calculate the weight of the fill on the tributary length of the approach slab.
- Assume that the vertical load is applied to the approach slab and the reaction occurs at the middle of the corbel. Apply the vertical load and moment due to the eccentricity at the node at the top of corbel elevation.

Approach Slab Thickness: $t_{approach} = 8.000 \text{ in}$

Soil Height Above Approach Slabs: $H_{approach} := H + ((1 \text{ ft} + 4 \text{ in}) - t_{approach}) = \begin{bmatrix} 1.917 \\ 5.917 \\ 3.042 \end{bmatrix} \text{ ft}$

Total Unfactored Earth Load: $W_{E_approach} := \overrightarrow{\gamma_{soil} \cdot H_{approach} \cdot 1 \text{ ft}} = \begin{bmatrix} 0.240 \\ 0.740 \\ 0.380 \end{bmatrix} \text{ klf}$

Soil on Approach Slab Corbel Reaction: $W_{backfill} := W_{E_approach} \cdot \frac{L_{approach}}{2} = \begin{bmatrix} 1.857 \\ 5.732 \\ 2.947 \end{bmatrix} \text{ kip}$

Soil on Approach Slab Corbel Moment about Global Y-axis: $MY_{backfill} := W_{backfill} \cdot e_{corbel} = \begin{bmatrix} 2.321 \\ 7.165 \\ 3.683 \end{bmatrix} \text{ ft} \cdot \text{kip}$

PERMANENT LOADS (CONT.)

Lateral Earth Pressure Load (EH)

- Calculate the lateral earth pressure values at the center of the top slab elevation and the top of footing elevation. Conservatively neglect the presence of the approach slab.
- The calculated pressures are applied to the walls in Midas Civil using the linearly increasing pressure command.
- The bridge is skewed; therefore, the lateral earth loads develop normal to the fill faces of the rigid frame walls. However, the model is
- Per BDG Article 5.4.1.7, Soil Type 4 properties in BDG Table 3-3 are used for abutment and wingwall designs. Therefore, use these properties for the soil adjacent to the rigid frame legs.

Soil Unit Weight:	$\gamma_{soil} = 0.125 \text{ kcf}$	BDG Table 3-3
Soil Friction Angle:	$\phi_{soil} := 32 \text{ deg}$	BDG Table 3-3
At-Rest Coefficient:	$k_0 := 1 - \sin(\phi_{soil}) = 0.470$	BDS Article 3.11.5.2
Soil Height at Center of Top Slab of RF:	$z_{top} := t_{ws} + H + \frac{t_{slab_min}}{2} = \begin{bmatrix} 2.583 \\ 6.583 \\ 3.708 \end{bmatrix} \text{ ft}$	
Soil Height at Top of Footing:	$z_{bot} := z_{top} + \frac{t_{slab_min}}{2} + h_{leg} = \begin{bmatrix} 28.567 \\ 33.017 \\ 30.582 \end{bmatrix} \text{ ft}$	
Soil Pressure at Center of Top Slab of RF:	$P_{top} := k_0 \cdot \gamma_{soil} \cdot z_{top} \cdot 1 \text{ ft} = \begin{bmatrix} 0.152 \\ 0.387 \\ 0.218 \end{bmatrix} \text{ klf}$	BDS Eq. 3.11.5.1-1
Soil Pressure at Bottom of RF:	$P_{bot} := k_0 \cdot \gamma_{soil} \cdot z_{bot} \cdot 1 \text{ ft} = \begin{bmatrix} 1.679 \\ 1.940 \\ 1.797 \end{bmatrix} \text{ klf}$	BDS Eq. 3.11.5.1-1

TRANSIENT LOADS (LL)

Live Load Surcharge Load (LS)

- The presence of a structural approach slab allows the reduction, but not elimination, of the live load surcharge, per BDS Article 3.11.6.5 and BDG Article 5.4.1.7.C.
- No method is provided to determine the amount of reduction. Therefore, the vertical pressure due to the live load surcharge will be applied to the approach slab, whereupon it will be applied to the wall as an eccentric vertical reaction at the corbel.
- Four cases are considered: 1. LS on both approach slabs, 2. LS on left approach slab, 3. LS on right approach slab, and 4. no LS.
- EV Load Rating Note: the equivalent height of soil was determined using the HL-93 vehicles with a maximum axel load of 32 kips for the truck and 25 kips for the tandem. The maximum axel load of the EVs is 33.5 kips for EV2 and 31 kips for the EV3 rear axel tandem. The EV3 rear axel tandem may produce higher live load surcharges, however, assume that the approach slab would reduce the EV live load surcharge load to less than the HL-93 live load surcharge and load rate the structure for the full HL-93 live load surcharge.

Surcharge Loads - Live Load Surcharge (BDG Article 3.6.8)

Wall Height > 20 ft:

Equivalent Height of Soil: $H_{eq} := 2 \text{ ft}$ BDG Table 3-4
Traffic Normal to Wall

LS Soil Unit Weight: $\gamma_{soil_LS} := 0.125 \text{ kcf}$ BDG Article 3.6.8

Live Load Surcharge Corbel Reaction: $W_{LS} := H_{eq} \cdot \frac{L_{approach}}{2} \cdot \gamma_{soil_LS} \cdot 1 \text{ ft} = 1.938 \text{ kip}$

Live Load Surcharge Corbel Moment about Global Y-axis: $MY_{LS} := W_{LS} \cdot e_{corbel} = 2.422 \text{ ft} \cdot \text{kip}$

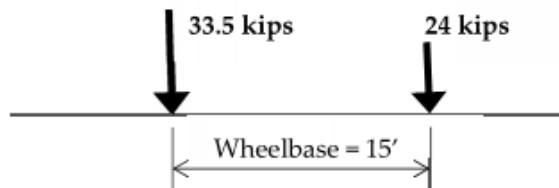
TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL)

- Vehicular live load is the FAST Act vehicles including Type EV2 and Type EV 3 from the 2016 FHWA Memorandum. Sketches of these vehicles from the 2018 FHWA Q&A are included below.
- Per the 2018 FHWA Q&A, FAST Act EVs, same as other legal loads, may cross a bridge at maximum stresses corresponding to the operating (legal) rating level. This document notes that the single live load factor of 1.3 discussed in the FHWA Memorandum does not apply to buried structures and that the appropriate live load factor of 2.0 per MBE Article 6A.5.12.10.3 should be used. Although MBE Article 6A.5.12.10.3 is for box culverts, the provisions shall be used for this rigid frame because it is a buried structure and it is conservative.
- Per BDS Article 12.14.5.2, distribution of wheel loads and concentrated loads for the top slab and side of three-sided structures shall be taken as specified in BDS Article 12.11.2.1.
- Per BDS Article 12.11.2.1, the application and distribution of live load through an earth fill depends on the thickness of fill. For locations with less than 2' of cover, BDS Article 4.6.2.10 is used. For locations with 2' or more of fill cover, BDS Article 3.6.1.2.6 is used.
- The dynamic load allowance for buried structures shall conform to BDS Article 3.6.2.2.
- For both fill cover cases, only the axle loads of the EVs are considered (no lane load).

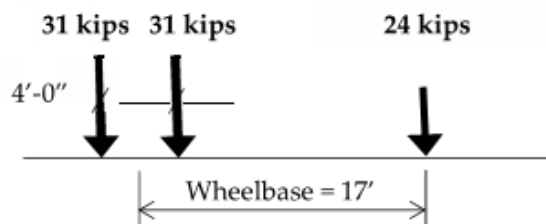
Type EV2:

Front Single Axle: 24,000 pounds
Rear Single Axle: 33,500 pounds
Wheelbase: 15 ft.



Type EV3:

Front Single Axle: 24,000 pounds
Rear Tandem Axle: 62,000 pounds (two 31,000 pound axles spaced at 4 ft.)
Wheelbase: 17 ft. (distance from front axle to the centerline of rear tandem axle)



TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Multiple Presence of Live Load

- Per MBE Article 6A.5.12.10.3, for legal loads for buried structures, only the single-lane loaded condition needs to be checked for legal load ratings, even when the culvert carries multiple lanes. The 1.2 single-lane multiple presence factor should not be applied to this loaded. Instead, a single legal load factor of 2.00 shall be specified for all traffic volumes.

Dynamic Load Allowance

Minimum Depth of Earth
Cover above the Structure:

$$D_E := H + t_{ws} = \begin{bmatrix} 1.917 \\ 5.917 \\ 3.042 \end{bmatrix} \text{ ft}$$

Dynamic Load Allowance:

$$IM_i := \max \left(33 \cdot \left(1.0 - 0.125 \cdot \frac{D_{E_i}}{\text{ft}} \right), 0\% \right)$$

BDS Eq. 3.6.2.2-1

$$IM = \begin{bmatrix} 25.094 \\ 8.594 \\ 20.453 \end{bmatrix}$$

TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Depths of Fill Less than 2'

- By inspection, the minimum soil location shall be designed per BDS Article 4.6.2.10.
- Per BDS Article 4.6.2.10.2, when traffic travels primarily parallel to the span, culverts shall be analyzed for a single loaded lane with the single lane multiple presence factor. Note that for legal loads, the single lane multiple presence factor shall not apply as discussed above.
- The axle load shall be distributed to the top slab for determining moment, thrust, and shear as provided in BDS Article 4.6.2.10.2.

Depth of Fill from Top of
Culvert to Top of Pavement:

$$H_{tot_under2'} := H_1 + t_{ws} = 1.917 \text{ ft}$$

Clear Span:

$$S := L_{span} = 25.000 \text{ ft}$$

Factor for Distribution of Live
Load with Depth of Fill:

$$LLDF := 1.15$$

BDS Table 3.6.1.2.6a-1

Length of Tire Contact Area
Parallel to Span:

$$L_T := 10 \text{ in}$$

BDS Article 3.6.1.2.5

Equivalent Distribution Width
Perpendicular to Span:

$$E := \left(96 + 1.44 \cdot \frac{S}{\text{ft}} \right) \text{ in}$$

BDS Eq. 4.6.2.10.2-1

$$E = 11.000 \text{ ft}$$

Equivalent Distribution Width
Parallel to Span:

$$E_{span} := L_T + LLDF \cdot H_{tot_under2'}$$

BDS Eq. 4.6.2.10.2-2

$$E_{span} = 3.038 \text{ ft}$$

- In Midas Civil, the axles are distributed perpendicular to the span on the 1' strip by using a live load distribution factor equal to the inverse of the equivalent distribution width, E. This is applied in Midas Civil as a Scale Factor to the Sub - Load Case dialog when defining the Moving Load Case.

Midas Live Load Distribution Factor:

$$LLDF_{midas_min_soil} := \frac{1}{E} \cdot 1 \text{ ft} = 0.091$$

TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Depths of Fill Less than 2' (Cont.)

- To simulate the axle loads distributed along the length parallel to the span in Midas Civil, user defined vehicles shall be used. The axles loads are input as discretized point loads at the tenth points along the length $E_{span} = 3.038$ ft. See the sketch on the following sheet.
- The end points are half the load of the interior points.
- The user defined point loads include the dynamic load allowance.
- In Midas Civil, the Multiple Presence Factor is defined as 1.0 for 1 lane loaded in the Define Moving Load Case dialog, and as 0.01 for all other cases.

Dynamic Load Allowance: $IM_1 = 25.094$

EV2 & EV3 Front Axle: $P_{EV_front_axle} := 24$ kip

EV2 Rear Axle: $P_{EV2_rear_axle} := 33.5$ kip

EV3 Rear Tandem Axle: $P_{EV3_tandem_axle} := 31$ kip

EV2 & EV3 Front Axle Midas Inputs: $P_{EV_front_midas_int} := \frac{P_{EV_front_axle}}{10} \cdot \left(1 + \frac{IM_1}{100}\right) = 3.002$ kip

$$P_{EV_front_midas_ext} := \frac{P_{EV_front_midas_int}}{2} = 1.501 \text{ kip}$$

EV2 Rear Axle Midas Inputs: $P_{EV2_rear_midas_int} := \frac{P_{EV2_rear_axle}}{10} \cdot \left(1 + \frac{IM_1}{100}\right) = 4.191$ kip

$$P_{EV2_rear_midas_ext} := \frac{P_{EV2_rear_midas_int}}{2} = 2.095 \text{ kip}$$

EV3 Rear Tandem Midas Input: $P_{EV3_tandem_midas_int} := \frac{P_{EV3_tandem_axle}}{10} \cdot \left(1 + \frac{IM_1}{100}\right) = 3.878$ kip

$$P_{EV3_tandem_midas_ext} := \frac{P_{EV3_tandem_midas_int}}{2} = 1.939 \text{ kip}$$

TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

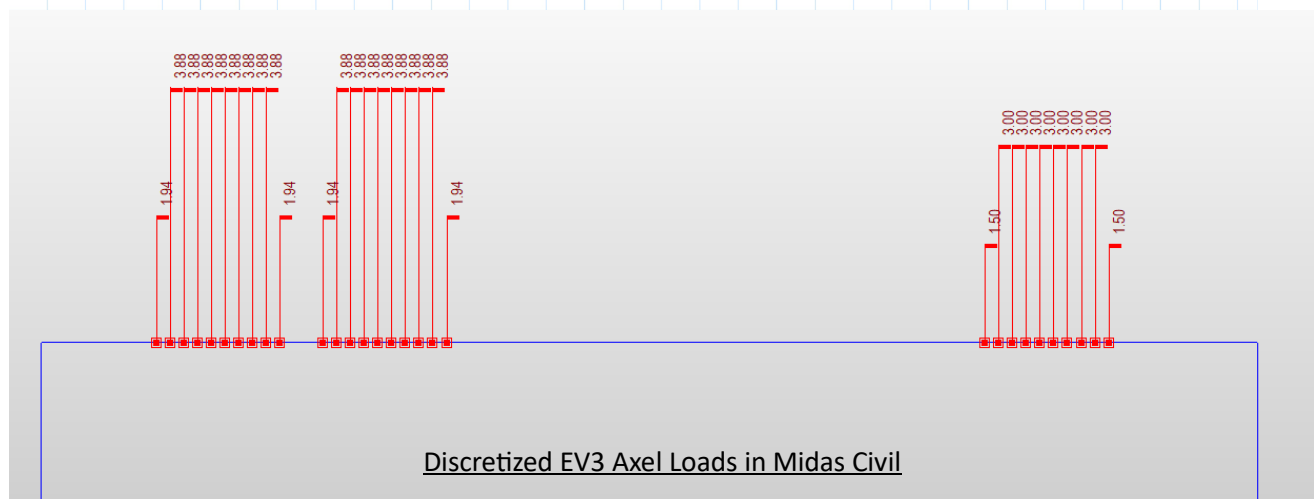
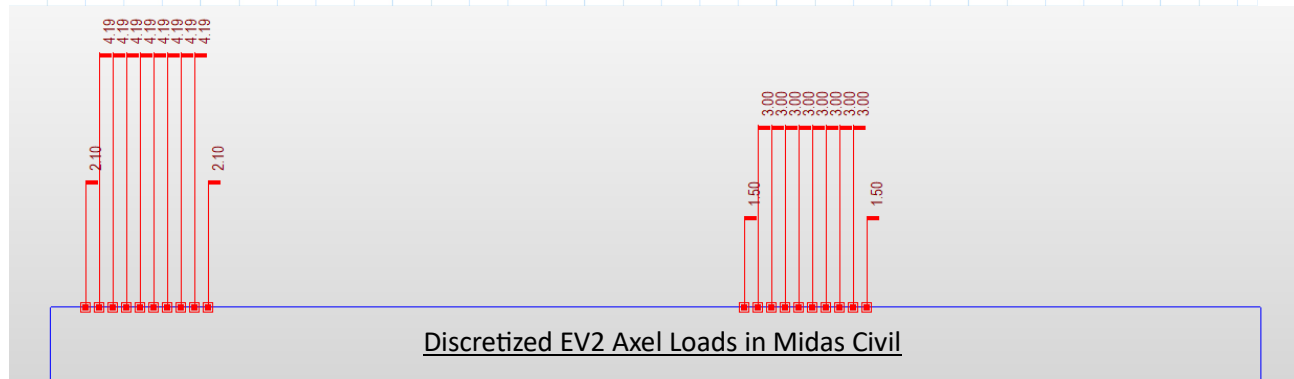
Depths of Fill Less than 2' (Cont.)

Length of Tenth Point Segments for EVs:
$$L_{tenth_EV_under2'} := \frac{E_{span}}{10} = 0.304 \text{ ft}$$

Distance Between EV2 Axle Patch Loads:
$$S_{EV2_axles_under2'} := 15 \text{ ft} - E_{span} = 11.963 \text{ ft}$$

Distance Between EV3 Front Axle Patch Load and First Rear Tandem Axle Patch Load:
$$S_{EV3_tandem1_under2'} := \left(17 \text{ ft} - \frac{4 \text{ ft}}{2} \right) - E_{span} = 11.963 \text{ ft}$$

Distance Between EV3 Tandem Axle Patch Loads:
$$S_{EV3_tandem2_under2'} := 4 \text{ ft} - E_{span} = 0.963 \text{ ft}$$



TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Depths of Fill 2' or Greater

- By inspection, the maximum soil location and the maximum rigid frame leg location shall be designed per BDS Article 3.6.1.2.6.
- The live load shall be distributed to the structure as wheel loads, uniformly distributed over a rectangular area with sides equal to the dimension of the tire contact area specified in BDS Article 3.6.1.2.5 increased by the live load distribution factors specified in BDS Table 3.6.1.2.6a-1, and the provisions of Articles 3.6.1.2.6b and 3.6.1.2.6c.
- Per BDS Article 3.6.1.2.6, for traffic parallel to the span, culverts shall be analyzed for a single loaded lane with the single lane multiple presence factor (except as noted above). For traffic perpendicular to the culvert span, analysis shall include consideration of multiple lanes loadings with appropriate multiple presence factors. The skew of the roadway to the culvert varies, but is more parallel to the span than perpendicular. By inspection, not more than one lane width would occur on a single 1' strip of the rigid frame analyzed. Therefore, the traffic is considered to be parallel to the span.
- Only the axle loads of the vehicle shall be applied as live load on culverts, regardless of traffic orientation, per BDS Article 3.6.1.2.6.

Depth of Fill Over Culvert:

$$H_{tot_over2'} := \left[\begin{matrix} H_2 \\ H_3 \end{matrix} \right] + t_{ws} = \left[\begin{matrix} 5.917 \\ 3.042 \end{matrix} \right] ft$$

Wheel Spacing:

$$s_w := 6 ft \quad \text{BDS Figure 3.6.1.2.2-1}$$

Tire Patch Width:

$$w_t := 20 in \quad \text{BDS Article 3.6.1.2.5}$$

Inside Clear Span of Culvert:

$$D_i := L_{span} = 25.000 ft$$

Live Load Distribution Factor:

$$LLDF = 1.150 \quad \text{BDS Table 3.6.1.2.6a-1}$$

Wheel Interaction Depth
Transverse to Culvert Span:

$$H_{int_t} := \left(\frac{\frac{s_w}{ft} - \frac{w_t \cdot in^{-1}}{12} - \frac{0.06 \cdot D_i \cdot in^{-1}}{12}}{LLDF} \right) \cdot ft$$

$$H_{int_t} = 2.464 ft \quad \text{BDS Eq. 3.6.1.2.6b-1}$$

Matrix Definition:

$$j := 1 \dots \text{rows}(H_{tot_over2'})$$

TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Depths of Fill 2' or Greater (Cont.)

Live Load Patch
Width at Depth H:

$$w_{w_j} := \text{if } H_{tot_over2'_j} < H_{int_t}$$

$$\left\| \left(\frac{w_t \cdot \text{in}^{-1}}{12} + \frac{LLDF \cdot H_{tot_over2'_j}}{\text{ft}} + \frac{0.06 \cdot D_i \cdot \text{in}^{-1}}{12} \right) \cdot \text{ft} \right\|$$

else

$$\left\| \left(\frac{w_t \cdot \text{in}^{-1}}{12} + \frac{s_w}{\text{ft}} + \frac{LLDF \cdot H_{tot_over2'_j}}{\text{ft}} + \frac{0.06 \cdot D_i \cdot \text{in}^{-1}}{12} \right) \cdot \text{ft} \right\|$$

$$w_w = \left[\begin{array}{l} 15.971 \\ 12.665 \end{array} \right] \text{ft}$$

BDS Eq. 3.6.1.2.6b-2 &
BDS Eq. 3.6.1.2.6b-3

Live Load Distribution Factor:

$$LLDF_{over2'_summary} := \frac{1}{w_w} \cdot 1 \text{ft} = \left[\begin{array}{l} 0.063 \\ 0.079 \end{array} \right]$$

First Axle and Adjacent Axle Spacing:

$$s_{a_1} := 15 \text{ft}$$

Tandem Axle Spacing:

$$s_{a_tandem} := 4 \text{ft}$$

Tire Patch Length:

$$l_t := L_T = 10.000 \text{in}$$

Wheel Interaction Depth Parallel to
Culvert Span Between First Axle
and Adjacent Axel:

$$H_{int_p_1} := \left(\frac{\frac{s_{a_1}}{\text{ft}} - \frac{l_t \cdot \text{in}^{-1}}{12}}{LLDF} \right) \cdot \text{ft}$$

$$H_{int_p_1} = 12.319 \text{ft} \quad \text{BDS Eq. 3.6.1.2.6b-4}$$

Tandem Wheel Interaction Depth
Parallel to Culvert Span:

$$H_{int_p_tandem} := \left(\frac{\frac{s_{a_tandem}}{\text{ft}} - \frac{l_t \cdot \text{in}^{-1}}{12}}{LLDF} \right) \cdot \text{ft}$$

$$H_{int_p_tandem} = 2.754 \text{ft} \quad \text{BDS Eq. 3.6.1.2.6b-4}$$

TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Depths of Fill 2' or Greater (Cont.)

Live Load Patch
Length at Depth H:

$$l_{w_1j} := \text{if } H_{tot_over2'j} < H_{int_p_1}$$

$$\left\| \left(\frac{l_t \cdot \text{in}^{-1}}{12} + \frac{LLDF \cdot H_{tot_over2'j}}{ft} \right) \cdot ft \right\|$$

else

$$\left\| \left(\frac{l_t \cdot \text{in}^{-1}}{12} + \frac{s_{a_1}}{ft} + \frac{LLDF \cdot H_{tot_over2'j}}{ft} \right) \cdot ft \right\|$$

$$l_{w_1} = \left[\begin{array}{c} 7.638 \\ 4.331 \end{array} \right] ft$$

BDS Eq. 3.6.1.2.6b-5 &
BDS Eq. 3.6.1.2.6b-6

Design Tandem Live
Load Patch Length at
Depth H:

$$l_{w_tandemj} := \text{if } H_{tot_over2'j} < H_{int_p_tandem}$$

$$\left\| \left(\frac{l_t \cdot \text{in}^{-1}}{12} + \frac{LLDF \cdot H_{tot_over2'j}}{ft} \right) \cdot ft \right\|$$

else

$$\left\| \left(\frac{l_t \cdot \text{in}^{-1}}{12} + \frac{s_{a_tandem}}{ft} + \frac{LLDF \cdot H_{tot_over2'j}}{ft} \right) \cdot ft \right\|$$

$$l_{w_tandem} = \left[\begin{array}{c} 11.638 \\ 8.331 \end{array} \right] ft$$

EV2 and First Axle of EV3
Rectangular Area at Depth H:

$$A_{LL_1} := \overrightarrow{l_{w_1} \cdot w_w}$$

BDS Eq. 3.6.1.2.6a-1

$$A_{LL_1} = \left[\begin{array}{c} 121.977 \\ 54.853 \end{array} \right] ft^2$$

EV3 Tandem Rectangular Area at
Depth H:

$$A_{LL_tandem} := \overrightarrow{l_{w_tandem} \cdot w_w}$$

BDS Eq. 3.6.1.2.6a-1

$$A_{LL_tandem} = \left[\begin{array}{c} 185.861 \\ 105.512 \end{array} \right] ft^2$$

TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Depths of Fill 2' or Greater (Cont.)

Dynamic Load Allowance:

$$IM_{over2'} := \begin{bmatrix} IM_2 \\ IM_3 \end{bmatrix} = \begin{bmatrix} 8.594 \\ 20.453 \end{bmatrix}$$

EV2 & EV3 Front Axle Live Load Applied at Surface on all Interacting Wheels:

$$P_{EV_front_axle} = 24.000 \text{ kip}$$

EV2 Rear Axle Live Load Applied at Surface on all Interacting Wheels:

$$P_{EV2_rear_axle} = 33.500 \text{ kip}$$

EV3 Rear Tandem Axle Live Load Applied at Surface on all Interacting Wheels:

$$P_{tandem} := 2 \cdot P_{EV3_tandem_axle} = 62.000 \text{ kip}$$

EV2 & EV3 Front Axle Live Load Vertical Crown Pressure:

$$P_{L_EV_front_j} := \frac{P_{EV_front_axle} \cdot \left(1 + \frac{IM_{over2'_j}}{100} \right)}{A_{LL_1_j}}$$

BDS Eq. 3.6.1.2.6b-7

$$P_{L_EV_front} = \begin{bmatrix} 0.214 \\ 0.527 \end{bmatrix} \text{ ksf}$$

EV2 Rear Axle Live Load Vertical Crown Pressure:

$$P_{L_EV2_rear_j} := \frac{P_{EV2_rear_axle} \cdot \left(1 + \frac{IM_{over2'_j}}{100} \right)}{A_{LL_1_j}}$$

$$P_{L_EV2_rear} = \begin{bmatrix} 0.298 \\ 0.736 \end{bmatrix} \text{ ksf}$$

EV3 Rear Tandem Live Load Vertical Crown Pressure:

$$P_{L_tandem_j} := \frac{P_{tandem} \cdot \left(1 + \frac{IM_{over2'_j}}{100} \right)}{A_{LL_tandem_j}}$$

$$P_{L_tandem} = \begin{bmatrix} 0.362 \\ 0.708 \end{bmatrix} \text{ ksf}$$

TRANSIENT LOADS (CONT.)

Vehicular Live Load (LL) (Cont.)

Depths of Fill 2' or Greater (Cont.)

- To simulate the axle loads distributed along the length parallel to the span in Midas Civil, user defined vehicles shall be used. The axle loads are input as discretized point loads at the tenth points along the length l_w .
- The end points are half the load of the interior points.
- The multiple presence factor is 1.0 as explained above; therefore, set the value in Midas Civil to 1.0.

User Defined EV2 & EV3 Front Axle Interior Point Loads:

$$P_{midas_EV_front_int_j} := \frac{P_{L_EV_front_j} \cdot 1 \text{ ft} \cdot l_{w-1_j}}{10} = \begin{bmatrix} 0.163 \\ 0.228 \end{bmatrix} \text{ kip}$$

User Defined EV2 Rear Axle Interior Point Loads:

$$P_{midas_EV2_rear_int_j} := \frac{P_{L_EV2_rear_j} \cdot 1 \text{ ft} \cdot l_{w-1_j}}{10} = \begin{bmatrix} 0.228 \\ 0.319 \end{bmatrix} \text{ kip}$$

User Defined EV2 & EV3 Front Axle Exterior Point Loads:

$$P_{midas_EV_front_ext} := \frac{P_{midas_EV_front_int}}{2} = \begin{bmatrix} 0.082 \\ 0.114 \end{bmatrix} \text{ kip}$$

User Defined EV2 Rear Axle Exterior Point Loads:

$$P_{midas_EV2_rear_ext} := \frac{P_{midas_EV2_rear_int}}{2} = \begin{bmatrix} 0.114 \\ 0.159 \end{bmatrix} \text{ kip}$$

User Defined EV3 Rear Tandem Interior Point Loads:

$$P_{midas_tandem_int_j} := \frac{P_{L_tandem_j} \cdot 1 \text{ ft} \cdot l_{w_tandem_j}}{10} = \begin{bmatrix} 0.422 \\ 0.590 \end{bmatrix} \text{ kip}$$

User Defined EV3 Rear Tandem Exterior Point Loads:

$$P_{midas_tandem_ext} := \frac{P_{midas_tandem_int}}{2} = \begin{bmatrix} 0.211 \\ 0.295 \end{bmatrix} \text{ kip}$$

Length of Tenth Point Segments for EV First Axle:

$$L_{tenth_1} := \frac{l_{w-1}}{10} = \begin{bmatrix} 0.764 \\ 0.433 \end{bmatrix} \text{ ft}$$

Distance Between First Axle and Adjacent Axle Patch Loads:

$$S_{1_axles} := 15 \text{ ft} - l_{w-1} = \begin{bmatrix} 7.363 \\ 10.669 \end{bmatrix} \text{ ft}$$

Length of Tenth Point Segments for Design Tandem:

$$L_{tenth_tandem} := \frac{l_{w_tandem}}{10} = \begin{bmatrix} 1.164 \\ 0.833 \end{bmatrix} \text{ ft}$$

MIDAS CIVIL

Input

- The rigid frame is modeled in Midas Civil with a 2-D structure in the X-Z plane.
- The three locations analyzed are included in the same model, but their loads are input and applied separately. They are divided into structure groups: "Min Soil", "Max Soil", and "Max RF Leg". The bottom of the frames are all located at elevation 31' (Z-axis) at the top of the footing. For the X-axis, the Min Soil RF starts at 0', the Max Soil RF starts at 100', and the Max RF Leg starts at 200'.
- Rectangular beam elements that are 1' wide are used to model the structure.
- The top slab elements are 16" thick and the leg elements are 2' thick.
- Most elements are 1' in length; there are extra nodes at the top of corbel locations and at midspan. See elevations calculated below.
- The node numbers and element numbers are based on the structure group.
 - Min Soil - Nodes 1 to 83 and Elements 1 to 82
 - Max Soil - Nodes 101 to 183 and Elements 101 to 182
 - Max RF Leg - Nodes 201 to 285 and Elements 201 to 284
- All elements are assigned the concrete material properties.
- Pinned supports are used at the bottom of the rigid frame legs.
- The static loads are applied to each structure group.
- The live load is added to the model as previously described.
- Midas Civil input tables are included after these load rating calculations.

Elevations Required for Midas Civil Model:

Top Slab (at C/L Slab): $EL_{Slab} := EL_{TOF} + h_{leg} + \frac{t_{slab_min}}{2} = \begin{bmatrix} 56.983 \\ 57.433 \\ 57.873 \end{bmatrix} ft$

Top of Corbel: $EL_{TOCorbel} := EL_{TOF} + h_{leg} = \begin{bmatrix} 56.317 \\ 56.767 \\ 57.207 \end{bmatrix} ft$

Top of Footing: $EL_{TOF} = 31.000 ft$

Length Between Centerline of Legs: $L_{span_midas} := L_{span} + 2 \cdot \frac{t_{leg}}{2} = 27.000 ft$

MIDAS CIVIL (CONT.)

Perform Analysis

- Save a copy of the model file named Brewer-I395 over MCRR.mcb in the folder:
K:\923402_06\4-Design\Bridge\Load Rating\1559 - Brewer\Midas
- Perform analysis.

Load Combination

- The load combinations are created in Midas Civil by using the Auto Generation feature and then modifying the combinations as required.
- Generate AASHTO load combinations which:
 - Use both the max. & min. load factors for DC
 - Use both the max. & min. load factors for DW
 - Use both the max. & min. load factors for At-Rest Horizontal Earth Pressure
 - Use both the max. & min. load factors for Vertical Earth Pressure - Rigid Frames
- The load factors for EV are conservatively based on the Rigid Frame values rather than the Rigid Buried Structure values.
- MBE Article 6A.5.12.10 and BDS Article 3.11.7 indicate the effect of horizontal loads, like horizontal earth pressure, may reduce effects caused by other loads and recommends 50% reduction in the horizontal earth load. The 50% reduction is not used in combination with the minimum load factor. Therefore, use a minimum load factor of 0.50 for EH rather than 0.90.
- Edit the load combinations to incorporate the multiple scenarios of live load surcharge.
- The load rating for EVs is at the operating or legal load rating level per the 2016 FHWA Memo.
- As discussed above, the live load factor shall be 2.0.

<u>Load</u>	<u>Load Factor</u>		
Dead Load:	$\gamma_{DC_max} := 1.25$	$\gamma_{DC_min} := 0.90$	
Wearing Surface:	$\gamma_{DW_max} := 1.50$	$\gamma_{DW_min} := 0.65$	
Horizontal Earth Pressure:	$\gamma_{EH_max} := 1.35$	$\gamma_{EH_min} := 0.50$	(At-Rest)
Vertical Earth Pressure:	$\gamma_{EV_max} := 1.35$	$\gamma_{EV_min} := 0.90$	(Rigid Frames)
Live Load:		$\gamma_{LL_op} := 2.0$	
Live Load Surcharge:		$\gamma_{LS_op} := 2.0$	

MIDAS CIVIL (CONT.)

Load Combination (Cont.)

The load cases can be divided into four basic combinations:

LC1 - LC8 Max DC
LC9 - LC16 Min DC
LC17 - LC20 EV2
LC21 - LC24 EV3

EV Operating Level Load Factors for Load Combinations

Load Case		DC	DC	DC	DW	EV	EH	LS both	DC	LS left	LS right	EV2 LL MinSoil	EV2 LL MaxSoil	EV2 LL MaxLeg	EV3 LL MinSoil	EV3 LL MaxSoil	EV3 LL MaxLeg
gLCB1	Active Add	1.25	1.25	1.25	1.5	1.35	1.35	0	1.25	0	0	0	0	0	0	0	0
gLCB2	Active Add	1.25	1.25	1.25	1.5	0.9	1.35	0	1.25	0	0	0	0	0	0	0	0
gLCB3	Active Add	1.25	1.25	1.25	1.5	1.35	0.5	0	1.25	0	0	0	0	0	0	0	0
gLCB4	Active Add	1.25	1.25	1.25	1.5	0.9	0.5	0	1.25	0	0	0	0	0	0	0	0
gLCB5	Active Add	1.25	1.25	1.25	0.65	1.35	1.35	0	1.25	0	0	0	0	0	0	0	0
gLCB6	Active Add	1.25	1.25	1.25	0.65	0.9	1.35	0	1.25	0	0	0	0	0	0	0	0
gLCB7	Active Add	1.25	1.25	1.25	0.65	1.35	0.5	0	1.25	0	0	0	0	0	0	0	0
gLCB8	Active Add	1.25	1.25	1.25	0.65	0.9	0.5	0	1.25	0	0	0	0	0	0	0	0
gLCB9	Active Add	0.9	0.9	0.9	1.5	1.35	1.35	0	0.9	0	0	0	0	0	0	0	0
gLCB10	Active Add	0.9	0.9	0.9	1.5	0.9	1.35	0	0.9	0	0	0	0	0	0	0	0
gLCB11	Active Add	0.9	0.9	0.9	1.5	1.35	0.5	0	0.9	0	0	0	0	0	0	0	0
gLCB12	Active Add	0.9	0.9	0.9	1.5	0.9	0.5	0	0.9	0	0	0	0	0	0	0	0
gLCB13	Active Add	0.9	0.9	0.9	0.65	1.35	1.35	0	0.9	0	0	0	0	0	0	0	0
gLCB14	Active Add	0.9	0.9	0.9	0.65	0.9	1.35	0	0.9	0	0	0	0	0	0	0	0
gLCB15	Active Add	0.9	0.9	0.9	0.65	1.35	0.5	0	0.9	0	0	0	0	0	0	0	0
gLCB16	Active Add	0.9	0.9	0.9	0.65	0.9	0.5	0	0.9	0	0	0	0	0	0	0	0
gLCB17	Active Add	0	0	0	0	0	0	2	0	0	0	2	2	2	0	0	0
gLCB18	Active Add	0	0	0	0	0	0	0	0	2	0	2	2	2	0	0	0
gLCB19	Active Add	0	0	0	0	0	0	0	0	0	2	2	2	2	0	0	0
gLCB20	Active Add	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0
gLCB21	Active Add	0	0	0	0	0	0	2	0	0	0	0	0	0	2	2	2
gLCB22	Active Add	0	0	0	0	0	0	0	0	2	0	0	0	0	2	2	2
gLCB23	Active Add	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2	2
gLCB24	Active Add	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2

Output

- Midas Civil output tables are included after the Midas Civil input tables.
- Note: Midas Civil allows the rigid frame model to deflect which releases the stresses at the corners (i.e. the corners are not modeled as fixed supports).

REINFORCED CONCRETE CAPACITY

Reinforcing Bar Properties

- The following values are from NHDOT Bridge Design Manual Appendix 6-C3, page 6-C3-1 (not published in the BDG).
- Where:
 - Bar Size = $\bar{B}ar$
 - Bar Cross-Sectional Area = $A_{\bar{b}ar}$
 - Weight = $W_{\bar{b}ar}$
 - Nominal Diameter = $D_{\bar{b}ar}$
 - Outside Diameter = $O_{\bar{b}ar}$
 - Standard Mill Length = $L_{\bar{b}ar}$

$\bar{B}ar$	$A_{\bar{b}ar}$ (in^2)	$W_{\bar{b}ar}$ (plf)	$D_{\bar{b}ar}$ (in)	$O_{\bar{b}ar}$ (in)	$L_{\bar{b}ar}$ (ft)
1	n.a.	n.a.	n.a.	n.a.	n.a.
2	n.a.	n.a.	n.a.	n.a.	n.a.
3	0.11	0.376	0.375	0.42	40
4	0.20	0.668	0.500	0.56	40
5	0.31	1.043	0.625	0.70	60
6	0.44	1.502	0.750	0.83	60
7	0.60	2.044	0.875	0.96	60
8	0.79	2.670	1.000	1.10	72
9	1.00	3.400	1.128	1.24	72
10	1.27	4.303	1.270	1.40	72
11	1.56	5.313	1.410	1.55	90
14	2.25	7.65	1.693	1.86	90
18	4.00	13.60	2.257	2.48	90

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance

- The flexural resistance is calculated for the following locations:
 - Top slab center
 - Top slab corner (at edge of haunch)
 - Wall top (at edge of haunch)
- The maximum factored live load moment is opposite in sign to the dead load moment in the center of the walls. The live load moment with the same sign as the dead load moment is small and by observation does not govern the load rating. See below for an example of the relative values of the factored force effects taken from the original load rating.

Case	RF Location	Part	DL		-LL		+LL	
			Load Case	My	Load Case	My	Load Case	My
Min Soil	Wall - Center - Left	I[21]	gLCB14	-92.48	gLCB17(min)	-1.39	gLCB20(max)	12.75
Max Soil	Wall - Center - Left	I[121]	gLCB14	-113.82	gLCB17(min)	-1.36	gLCB20(max)	5.56
Max Leg	Wall - Center - Left	I[221]	gLCB14	-106.94	gLCB17(min)	-1.34	gLCB20(max)	4.42

Top Slab Center

- The top slab center has bottom reinforcing consisting of alternating #5 bars and #9 bars at 6" on center.
- Use a slab thickness of 1'-6" for the capacity calculation. The top slab was poured all at once, so the additional concrete increases the flexural capacity at this location.

Rectangular Section Height: $h_{slab_center} := t_{slab_max} = 1.500 \text{ ft}$

Rectangular Section Width: $b := 1 \text{ ft}$

Stress Block Factor: $\alpha_1 := \text{if } f'_c \leq 10.0 \text{ ksi} \quad = 0.850 \quad \text{BDS Article 5.6.2.2}$
 $\left\| \begin{array}{l} 0.85 \\ \text{else} \\ \max \left(0.85 - 0.02 \frac{(f'_c - 10 \text{ ksi})}{\text{ksi}}, 0.75 \right) \end{array} \right\|$

Stress Block Factor: $\beta_1 := \text{if } f'_c \leq 4.0 \text{ ksi} \quad = 0.850 \quad \text{BDS Article 5.6.2.2}$
 $\left\| \begin{array}{l} 0.85 \\ \text{else} \\ \max \left(0.85 - 0.05 \frac{(f'_c - 4 \text{ ksi})}{\text{ksi}}, 0.65 \right) \end{array} \right\|$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Top Slab Center (Cont.)

Area of Steel: $A_{s_slab_center} := A_{bar_5} + A_{bar_9} = 1.310 \text{ in}^2$

Distance from the Extreme Compression Fiber to Neutral Axis: $c = \frac{A_s \cdot f_y}{\alpha_1 \cdot f'_c \cdot \beta_1 \cdot b}$ BDS Eq. 5.6.3.1.1-4

$$c_{slab_center} := \frac{A_{s_slab_center} \cdot f_y}{\alpha_1 \cdot f'_c \cdot \beta_1 \cdot b} = 3.022 \text{ in}$$

Depth of Equivalent Rectangular Stress Block: $a = c \cdot \beta_1$ BDS Article 5.6.2.2

$$a_{slab_center} := c_{slab_center} \cdot \beta_1 = 2.569 \text{ in}$$

Clear Cover: $CC_{slab_bot} := 1 \text{ in}$ Existing Plan Sheet 12A of 25

Distance from Bottom Edge to Center of Rebar: $y_{slab_center} := CC_{slab_bot} + \frac{D_{bar_9}}{2} = 1.564 \text{ in}$

Distance from Extreme Compression Fiber to Centroid of Tensile Reinforcement: $d_{s_slab_center} := h_{slab_center} - y_{slab_center} = 16.436 \text{ in}$

Compression-controlled Strain Limit: $\epsilon_{cl} := 0.002$ BDS Article 5.6.2.1

May fy replace fs?: $f_{s_slab_center} := \text{if } \frac{c_{slab_center}}{d_{s_slab_center}} \leq \frac{0.003}{0.003 + \epsilon_{cl}} = 60.000 \text{ ksi}$
 $\parallel f_y$
 else
 $\parallel \text{"NO"}$

BDS Eq. 5.6.2.1-1

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Top Slab Center (Cont.)

Net Tensile Strain in Steel: $\varepsilon_t = 0.003 \left(\frac{d_s}{c} - 1 \right)$ BDS Article 5.5.4.2.1

$$\varepsilon_{t_slab_center} := 0.003 \left(\frac{d_{s_slab_center}}{c_{slab_center}} - 1 \right) = 0.013$$

Flexural Resistance Factor: $\phi_f = \begin{cases} \text{if } \varepsilon_t > 0.005 \\ \parallel 0.90 \\ \text{else} \\ \parallel \text{"not tensioned controlled"} \end{cases}$ BDS Article 5.5.4.2

$$\phi_{f_slab_center} := \begin{cases} \text{if } \varepsilon_{t_slab_center} > 0.005 \\ \parallel 0.90 \\ \text{else} \\ \parallel \text{"not tensioned controlled"} \end{cases} = 0.900$$

Nominal Flexural Resistance: $M_n = A_s \cdot f_s \cdot \left(d_s - \frac{a}{2} \right)$ BDS Eq. 5.6.3.2.2-1

$$M_{n_slab_center} := A_{s_slab_center} \cdot f_{s_slab_center} \cdot \left(d_{s_slab_center} - \frac{a_{slab_center}}{2} \right) = 99.244 \text{ kip} \cdot \text{ft}$$

Factored Flexural Resistance: $M_r = \phi_f \cdot M_n$ BDS Eq. 5.6.3.2.1-1

$$M_{r_slab_center} := \phi_{f_slab_center} \cdot M_{n_slab_center} = 89.319 \text{ kip} \cdot \text{ft}$$

Condition Factor: $\varphi_c = 1.000$

System Factor for Flexure: $\varphi_{s,f} = 1.000$

Capacity: $C = \varphi_c \cdot \varphi_{s,f} \cdot M_r$ MBE Eq. 6A.4.2.1-2

$$C_{slab_center} := \varphi_c \cdot \varphi_{s,f} \cdot M_{r_slab_center} = 89.319 \text{ kip} \cdot \text{ft}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Top Slab Corner

- The top slab corner has top reinforcing consisting of alternating #6 bars and #9 bars at 6" on center.
- Check the development lengths of the bars to ensure they can develop the full capacity. The #6 bar is spliced to #5 bars if additional capacity is required.

Clear Cover of Top Bars: $CC_{slab_top} := 2 \text{ in}$ Existing Plan Sheet 12A of 25

Basic Development Length

Straight Bar Basic Development Lengths:

$$l_{db_6} := 2.4 \cdot D_{bar_6} \cdot \frac{\frac{f_y}{ksi}}{\sqrt{\frac{f'_c}{ksi}}} = 62.35 \text{ in} \quad \text{BDS Eq. 5.10.8.2.1a-2}$$

$$l_{db_9} := 2.4 \cdot D_{bar_9} \cdot \frac{\frac{f_y}{ksi}}{\sqrt{\frac{f'_c}{ksi}}} = 93.78 \text{ in}$$

Development Length Modification Factors

Reinforcement Location Factor: $\lambda_{rl} := 1.3$ BDS Article 5.10.8.2.1b

Coating Factor: $\lambda_{cf} := 1.0$ BDS Article 5.10.8.2.1b

Location Times Coating Factor:

$$\lambda_{rl_cf} := \left\| \begin{array}{l} \text{if } \lambda_{rl} \cdot \lambda_{cf} > 1.7 \\ \quad \parallel 1.7 \\ \text{else} \\ \quad \parallel (\lambda_{rl} \cdot \lambda_{cf}) \end{array} \right\| = 1.300 \quad \text{BDS Article 5.10.8.2.1b}$$

$$c_{b_slab_top_6} := \min \left(CC_{slab_top} + 0.5 \cdot D_{bar_6}, \frac{12 \text{ in}}{2} \right) = 2.375 \text{ in}$$

$$c_{b_slab_top_9} := \min \left(CC_{slab_top} + 0.5 \cdot D_{bar_9}, \frac{12 \text{ in}}{2} \right) = 2.564 \text{ in}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Top Slab Corner (Cont.)

$$k_{tr} := 0 \quad \text{Conservative (See C5.10.8.2.1c)}$$

$$\frac{D_{bar_6}}{c_{b_slab_top_6} + k_{tr}} = 0.316$$

$$\frac{D_{bar_9}}{c_{b_slab_top_9} + k_{tr}} = 0.440$$

Reinforcement Confinement Factor:

$$\lambda_{rc_6} := \left\| \begin{array}{l} \text{if } \frac{D_{bar_6}}{c_{b_slab_top_6} + k_{tr}} \leq 0.4 \\ \quad \left\| 0.4 \right. \\ \text{also if } \frac{D_{bar_6}}{c_{b_slab_top_6} + k_{tr}} \geq 1.0 \\ \quad \left\| 1.0 \right. \\ \text{else} \\ \quad \left\| \frac{D_{bar_6}}{c_{b_slab_top_6} + k_{tr}} \right. \end{array} \right\| = 0.400$$

BDS Eq. 5.10.8.2.1c-1 &
Eq. 5.10.8.2.1c-2

$$\lambda_{rc_9} := \left\| \begin{array}{l} \text{if } \frac{D_{bar_9}}{c_{b_slab_top_9} + k_{tr}} \leq 0.4 \\ \quad \left\| 0.4 \right. \\ \text{also if } \frac{D_{bar_9}}{c_{b_slab_top_9} + k_{tr}} \geq 1.0 \\ \quad \left\| 1.0 \right. \\ \text{else} \\ \quad \left\| \frac{D_{bar_9}}{c_{b_slab_top_9} + k_{tr}} \right. \end{array} \right\| = 0.440$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Top Slab Corner (Cont.)

Excess Reinforcement Factor:	$\lambda_{er} := 1.0$	Conservative
Concrete Density Modification Factor:	$\lambda := 1.0$	BDS Article 5.4.2.8

Tension Development Length

Length Required to Develop Bars:
$$l_{d_6} := l_{db_6} \cdot \frac{\lambda_{rl_cf} \cdot \lambda_{rc_6} \cdot \lambda_{er}}{\lambda}$$
 BDS Eq. 5.10.8.2.1a-1

$$l_{d_6} = 32.424 \text{ in}$$

$$l_{d_9} := l_{db_9} \cdot \frac{\lambda_{rl_cf} \cdot \lambda_{rc_9} \cdot \lambda_{er}}{\lambda} = 53.635 \text{ in}$$

Actual Development Length:
$$l_{dev_slab_top_6} := (6 \text{ ft} + 4 \text{ in}) - (t_{leg} - 2 \text{ in}) - 1 \text{ ft}$$

$$l_{dev_slab_top_6} = 3.500 \text{ ft}$$
 Existing Plans Sheet 12A and 22 of 25

$$l_{dev_slab_top_9} := (8 \text{ ft} + 4 \text{ in}) - (t_{leg} - 2 \text{ in}) - 1 \text{ ft}$$

$$l_{dev_slab_top_9} = 5.500 \text{ ft}$$
 Existing Plans Sheet 12A of 25

Check Development Length:
$$Check_{dev_6} := \text{if}(l_{d_6} \leq l_{dev_slab_top_6}, \text{"OK"}, \text{"NG"}) = \text{"OK"}$$

$$Check_{dev_9} := \text{if}(l_{d_9} \leq l_{dev_slab_top_9}, \text{"OK"}, \text{"NG"}) = \text{"OK"}$$

- Both bars are fully developed into the top slab; therefore, the full capacity can be used.

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Top Slab Corner (Cont.)

Rectangular Section Height:

$$h_{slab_corner} := t_{slab_min} + (t_{leg} + 1 \text{ ft}) \cdot \frac{(t_{slab_max} - t_{slab_min})}{0.5 \cdot B_c}$$

$$h_{slab_corner} = 1.368 \text{ ft}$$

Rectangular Section Width:

$$b = 1.000 \text{ ft}$$

Stress Block Factor:

$$\alpha_1 = 0.850 \quad \text{BDS Article 5.6.2.2}$$

Stress Block Factor:

$$\beta_1 = 0.850 \quad \text{BDS Article 5.6.2.2}$$

Area of Steel:

$$A_{s_slab_corner} := A_{bar_6} + A_{bar_9} = 1.440 \text{ in}^2$$

Distance from the Extreme Compression Fiber to Neutral Axis:

$$c_{slab_corner} := \frac{A_{s_slab_corner} \cdot f_y}{\alpha_1 \cdot f'_c \cdot \beta_1 \cdot b} = 3.322 \text{ in} \quad \text{BDS Eq. 5.6.3.1.1-4}$$

Depth of Equivalent Rectangular Stress Block:

$$a_{slab_corner} := c_{slab_corner} \cdot \beta_1 = 2.824 \text{ in} \quad \text{BDS Article 5.6.2.2}$$

Clear Cover:

$$CC_{slab_top} = 2.000 \text{ in}$$

Distance from Bottom Edge to Center of Rebar:

$$y_{slab_corner} := CC_{slab_top} + \frac{D_{bar_9}}{2} = 2.564 \text{ in}$$

Distance from Extreme Compression Fiber to Centroid of Tensile Reinforcement:

$$d_{s_slab_corner} := h_{slab_corner} - y_{slab_corner} = 13.850 \text{ in}$$

Compression-controlled Strain Limit:

$$\varepsilon_{cl} = 0.002 \quad \text{BDS Article 5.6.2.1}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Top Slab Corner (Cont.)

May fy replace fs?: $f_{s_slab_corner} := \text{if } \frac{c_{slab_corner}}{d_{s_slab_corner}} \leq \frac{0.003}{0.003 + \epsilon_{cl}} = 60.000 \text{ ksi}$
 $\parallel f_y$
 else
 $\parallel \text{"NO"}$ | BDS Eq. 5.6.2.1-1

Net Tensile Strain in Steel: $\epsilon_{t_slab_corner} := 0.003 \left(\frac{d_{s_slab_corner}}{c_{slab_corner}} - 1 \right) = 0.010$

Flexural Resistance Factor: $\phi_{f_slab_corner} := \text{if } \epsilon_{t_slab_corner} > 0.005$ | = 0.900
 $\parallel 0.90$
 else
 $\parallel \text{"not tensioned controlled"}$ | BDS Article 5.5.4.2

Nominal Flexural Resistance: $M_{n_slab_corner} := A_{s_slab_corner} \cdot f_{s_slab_corner} \cdot \left(d_{s_slab_corner} - \frac{a_{slab_corner}}{2} \right)$
 $M_{n_slab_corner} = 89.554 \text{ kip} \cdot \text{ft}$ | BDS Eq. 5.6.3.2.2-1

Factored Flexural Resistance: $M_{r_slab_corner} := \phi_{f_slab_corner} \cdot M_{n_slab_corner}$
 $M_{r_slab_corner} = 80.598 \text{ kip} \cdot \text{ft}$ | BDS Eq. 5.6.3.2.1-1

Condition Factor: $\varphi_c = 1.000$

System Factor for Flexure: $\varphi_{s,f} = 1.000$

Capacity: $C_{slab_corner} := \varphi_c \cdot \varphi_{s,f} \cdot M_{r_slab_corner}$ | MBE Eq. 6A.4.2.1-2
 $C_{slab_corner} = 80.598 \text{ kip} \cdot \text{ft}$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Wall Top

- The top of the wall has exterior reinforcing consisting of alternating #6 bars and #9 bars at 6" on center.
- Check the development lengths of the bars to ensure they can develop the full capacity. The #6 bar is spliced to #5 bars if additional capacity is required.

Clear Cover of Exterior Bars: $CC_{wall_ext} := 2 \text{ in}$ Existing Plan Sheet 12A of 25

Basic Development Length

Straight Bar Basic Development Lengths:

$$l_{db_6} = 62.35 \text{ in}$$

$$l_{db_9} = 93.78 \text{ in}$$

Development Length Modification Factors

Reinforcement Location Factor: $\lambda_{rl_wall} := 1.0$ BDS Article 5.10.8.2.1b

Coating Factor: $\lambda_{cf} = 1.000$ BDS Article 5.10.8.2.1b

Location Times Coating Factor:
$$\lambda_{rl_cf_wall} := \begin{cases} \text{if } \lambda_{rl_wall} \cdot \lambda_{cf} > 1.7 \\ \quad \parallel 1.7 \\ \text{else} \\ \quad \parallel (\lambda_{rl_wall} \cdot \lambda_{cf}) \end{cases} = 1.000$$

BDS Article 5.10.8.2.1b

$$c_{b_wall_top_6} := \min \left(CC_{wall_ext} + 0.5 \cdot D_{bar_6}, \frac{12 \text{ in}}{2} \right) = 2.375 \text{ in}$$

$$c_{b_wall_top_9} := \min \left(CC_{wall_ext} + 0.5 \cdot D_{bar_9}, \frac{12 \text{ in}}{2} \right) = 2.564 \text{ in}$$

$k_{tr} := 0$ Conservative (See C5.10.8.2.1c)

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Wall Top (Cont.)

$$\frac{D_{bar_6}}{c_{b_wall_top_6} + k_{tr}} = 0.316$$

$$\frac{D_{bar_9}}{c_{b_wall_top_9} + k_{tr}} = 0.440$$

Reinforcement Confinement Factor: $\lambda_{rc_wall_6} :=$

$\begin{aligned} &\text{if } \frac{D_{bar_6}}{c_{b_wall_top_6} + k_{tr}} \leq 0.4 \\ &\quad 0.4 \\ &\text{also if } \frac{D_{bar_6}}{c_{b_wall_top_6} + k_{tr}} \geq 1.0 \\ &\quad 1.0 \\ &\text{else} \\ &\quad \frac{D_{bar_6}}{c_{b_wall_top_6} + k_{tr}} \end{aligned}$	= 0.400	BDS Eq. 5.10.8.2.1c-1 & Eq. 5.10.8.2.1c-2
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$\lambda_{rc_wall_9} :=$

$\begin{aligned} &\text{if } \frac{D_{bar_9}}{c_{b_wall_top_9} + k_{tr}} \leq 0.4 \\ &\quad 0.4 \\ &\text{also if } \frac{D_{bar_9}}{c_{b_wall_top_9} + k_{tr}} \geq 1.0 \\ &\quad 1.0 \\ &\text{else} \\ &\quad \frac{D_{bar_9}}{c_{b_wall_top_9} + k_{tr}} \end{aligned}$	= 0.440
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REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Wall Top (Cont.)

Excess Reinforcement Factor:	$\lambda_{er} = 1.000$	Conservative
Concrete Density Modification Factor:	$\lambda = 1.000$	BDS Article 5.4.2.8

Tension Development Length

Length Required to Develop Bars:

$$l_{d_wall_6} := l_{db_6} \cdot \frac{\lambda_{rl_cf_wall} \cdot \lambda_{rc_wall_6} \cdot \lambda_{er}}{\lambda}$$

BDS Eq. 5.10.8.2.1a-1

$$l_{d_wall_6} = 24.942 \text{ in}$$

$$l_{d_wall_9} := l_{db_9} \cdot \frac{\lambda_{rl_cf_wall} \cdot \lambda_{rc_wall_9} \cdot \lambda_{er}}{\lambda} = 41.257 \text{ in}$$

Actual Development Length:

$$l_{dev_wall_top_6} := (9 \text{ ft} + 0 \text{ in}) - (t_{slab_min} - CC_{slab_top}) - 1 \text{ ft}$$

$$l_{dev_wall_top_6} = 6.833 \text{ ft}$$

Existing Plans Sheet 12A and 22 of 25

$$l_{dev_wall_top_9} := (9 \text{ ft} + 1 \text{ in}) - (t_{slab_min} - CC_{slab_top}) - 1 \text{ ft}$$

$$l_{dev_wall_top_9} = 6.917 \text{ ft}$$

Existing Plans Sheet 12A and 22 of 25

Check Development Length: $Check_{dev_wall_6} := \text{if}(l_{d_wall_6} \leq l_{dev_wall_top_6}, \text{"OK"}, \text{"NG"}) = \text{"OK"}$

$Check_{dev_wall_9} := \text{if}(l_{d_wall_9} \leq l_{dev_wall_top_9}, \text{"OK"}, \text{"NG"}) = \text{"OK"}$

- Both bars are fully developed; therefore, the full capacity can be used.

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Wall Top (Cont.)

Rectangular Section Height: $h_{wall} := t_{leg} = 2.000 \text{ ft}$

Rectangular Section Width: $b = 1.000 \text{ ft}$

Stress Block Factor: $\alpha_1 = 0.850$ BDS Article 5.6.2.2

Stress Block Factor: $\beta_1 = 0.850$ BDS Article 5.6.2.2

Area of Steel: $A_{s_wall_top} := A_{bar_6} + A_{bar_9} = 1.440 \text{ in}^2$

Distance from the Extreme Compression Fiber to Neutral Axis: $c_{wall_top} := \frac{A_{s_wall_top} \cdot f_y}{\alpha_1 \cdot f'_c \cdot \beta_1 \cdot b} = 3.322 \text{ in}$ BDS Eq. 5.6.3.1.1-4

Depth of Equivalent Rectangular Stress Block: $a_{wall_top} := c_{wall_top} \cdot \beta_1 = 2.824 \text{ in}$ BDS Article 5.6.2.2

Clear Cover: $CC_{wall_ext} = 2.000 \text{ in}$

Distance from Bottom Edge to Center of Rebar: $y_{wall_top} := CC_{wall_ext} + \frac{D_{bar_9}}{2} = 2.564 \text{ in}$

Distance from Extreme Compression Fiber to Centroid of Tensile Reinforcement: $d_{s_wall_top} := h_{wall} - y_{wall_top} = 21.436 \text{ in}$

Compression-controlled Strain Limit: $\varepsilon_{cl} = 0.002$ BDS Article 5.6.2.1

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Flexural Resistance (Cont.)

Wall Top (Cont.)

May fy replace fs?:
$$f_{s_wall_top} := \begin{cases} \frac{c_{wall_top}}{d_{s_wall_top}} \leq \frac{0.003}{0.003 + \varepsilon_{cl}} = 60.000 \text{ ksi} \\ f_y \\ \text{else} \\ \text{"NO"} \end{cases} \quad \text{BDS Eq. 5.6.2.1-1}$$

Net Tensile Strain in Steel:
$$\varepsilon_{t_wall_top} := 0.003 \left(\frac{d_{s_wall_top}}{c_{wall_top}} - 1 \right) = 0.016$$

Flexural Resistance Factor:
$$\phi_{f_wall_top} := \begin{cases} \varepsilon_{t_wall_top} > 0.005 \\ 0.90 \\ \text{else} \\ \text{"not tensioned controlled"} \end{cases} = 0.900 \quad \text{BDS Article 5.5.4.2}$$

Nominal Flexural Resistance:
$$M_{n_wall_top} := A_{s_wall_top} \cdot f_{s_wall_top} \cdot \left(d_{s_wall_top} - \frac{a_{wall_top}}{2} \right)$$

$$M_{n_wall_top} = 144.174 \text{ kip} \cdot \text{ft} \quad \text{BDS Eq. 5.6.3.2.2-1}$$

Factored Flexural Resistance:
$$M_{r_wall_top} := \phi_{f_wall_top} \cdot M_{n_wall_top}$$

$$M_{r_wall_top} = 129.757 \text{ kip} \cdot \text{ft} \quad \text{BDS Eq. 5.6.3.2.1-1}$$

Condition Factor:
$$\varphi_c = 1.000$$

System Factor for Flexure:
$$\varphi_{s,f} = 1.000$$

Capacity:
$$C_{wall_top} := \varphi_c \cdot \varphi_{s,f} \cdot M_{r_wall_top} \quad \text{MBE Eq. 6A.4.2.1-2}$$

$$C_{wall_top} = 129.757 \text{ kip} \cdot \text{ft}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance

- The shear resistance is calculated for the following locations:
 - Top slab corner (at edge of haunch)
 - Wall top (at edge of haunch)
- The maximum factored live load moment is opposite in sign to the dead load moment in the bottom of the wall. By observation this location does not govern the load rating.

Top Slab Corner

- Per BDS Article 5.12.8.6, for one-way action, the shear resistance for slabs shall satisfy the requirements specified in BDS Article 5.7.3, except for culverts with over 2.0' or more of fill, for which the provisions of BDS Article 5.12.7.3 shall apply.

Rectangular Section Height: $h_{slab_corner} = 1.368 \text{ ft}$

Rectangular Section Width: $b_v := b = 1.000 \text{ ft}$

Area of Shear Steel Reinforcing: $A_v := 0 \text{ in}^2$

Effective Depth from Extreme Compression Fiber to the Centroid of the Tensile Force in the Tensile Reinforcement: $d_{e_slab_corner} := d_{s_slab_corner} = 13.850 \text{ in}$

Effective Shear Depth: $d_{v_slab_calc} := \frac{M_{n_slab_corner}}{A_{s_slab_corner} \cdot f_{s_slab_corner}} = 12.438 \text{ in}$ BDS Eq. C5.7.2.8-1

$d_{v_slab_min} := \max(0.9 \cdot d_{e_slab_corner}, 0.72 \cdot h_{slab_corner})$ BDS Art. 5.7.2.8

$d_{v_slab_min} = 12.465 \text{ in}$

$d_{v_slab} := \max(d_{v_slab_calc}, d_{v_slab_min}) = 12.465 \text{ in}$ BDS Art. 5.7.2.8

- The shear resistance is dependent upon the factored loads. Use the concurrent moment and shear force effects at the location 1' from the face of leg (2' from centerline of leg). This is conservative for $d_{v_slab} = 12.465 \text{ in}$. A matrix vector is used for the three cases: min. soil, max. soil, and max. rigid frame leg. The max. soil and max. rigid frame leg cases are also checked for the requirements of 5.12.7.3.

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Top Slab Corner (Cont.)

- The total factored force effect is the sum of the dead load and live load force effects.
- Two cases are considered: maximum moment with concurrent shear and maximum shear with concurrent moment. Preliminary analysis calculations show that the maximum shear with concurrent forces governs the load rating; these are the calculations that are included here-in.
- The values were taken from Midas by selecting the element and location of interest, sorting the results by maximum shear, and then selecting "Results by Max Value". An example of this for case 1 is shown on the following sheets. All results are included in the Appendix; see elements 57, 157, and 259.

Factored Bending Moment:

$$M_{u_slab_corner_EV2} := \begin{bmatrix} -32.76 + -7.89 \\ -57.64 + -7.86 \\ -41.27 + -7.9 \end{bmatrix} \text{ kip} \cdot \text{ft} = \begin{bmatrix} -40.650 \\ -65.500 \\ -49.170 \end{bmatrix} \text{ ft} \cdot \text{kip}$$

$$M_{u_slab_corner_EV3} := \begin{bmatrix} -32.76 + -10.31 \\ -57.64 + -8.86 \\ -41.27 + -10.27 \end{bmatrix} \text{ kip} \cdot \text{ft} = \begin{bmatrix} -43.070 \\ -66.500 \\ -51.540 \end{bmatrix} \text{ ft} \cdot \text{kip}$$

Factored Shear:

$$V_{u_slab_corner_EV2} := \begin{bmatrix} -7.13 + -7.81 \\ -15.35 + -4.25 \\ -9.37 + -6.37 \end{bmatrix} \text{ kip} = \begin{bmatrix} -14.940 \\ -19.600 \\ -15.740 \end{bmatrix} \text{ kip}$$

$$V_{u_slab_corner_EV3} := \begin{bmatrix} -7.13 + -11.38 \\ -15.35 + -6.19 \\ -9.37 + -9.28 \end{bmatrix} \text{ kip} = \begin{bmatrix} -18.510 \\ -21.540 \\ -18.650 \end{bmatrix} \text{ kip}$$

Factored Axial Load:

$$N_{u_slab_corner_EV2} := \begin{bmatrix} -13.22 + -0.72 \\ -19.11 + -0.44 \\ -15.51 + -0.59 \end{bmatrix} \text{ kip} = \begin{bmatrix} -13.940 \\ -19.550 \\ -16.100 \end{bmatrix} \text{ kip}$$

$$N_{u_slab_corner_EV3} := \begin{bmatrix} -13.22 + -1.09 \\ -19.11 + -0.62 \\ -15.51 + -0.89 \end{bmatrix} \text{ kip} = \begin{bmatrix} -14.310 \\ -19.730 \\ -16.400 \end{bmatrix} \text{ kip}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Top Slab Corner (Cont.)

	Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
►	57	gLCB22(min)	[57]	Shear-z	-1.09	0.00	-11.38	0.00	-10.31	0.00
	57	gLCB21(min)	[57]	Shear-z	-1.01	0.00	-11.20	0.00	-8.61	0.00
	57	gLCB24(min)	[57]	Shear-z	-1.17	0.00	-11.20	0.00	-7.89	0.00
	57	gLCB23(min)	[57]	Shear-z	-1.09	0.00	-11.02	0.00	-6.19	0.00
	57	gLCB18(min)	[57]	Shear-z	-0.72	0.00	-7.81	0.00	-7.86	0.00
	57	gLCB17(min)	[57]	Shear-z	-0.64	0.00	-7.64	0.00	-6.16	0.00
	57	gLCB20(min)	[57]	Shear-z	-0.80	0.00	-7.64	0.00	-5.44	0.00
	57	gLCB19(min)	[57]	Shear-z	-0.72	0.00	-7.46	0.00	-3.73	0.00
	57	gLCB3	[57]	Shear-z	-5.55	0.00	-7.13	0.00	-22.90	0.00
	57	gLCB1	[57]	Shear-z	-13.22	0.00	-7.13	0.00	-32.76	0.00
	57	gLCB2	[57]	Shear-z	-13.12	0.00	-6.31	0.00	-30.76	0.00
	57	gLCB4	[57]	Shear-z	-5.44	0.00	-6.31	0.00	-20.89	0.00
	57	gLCB9	[57]	Shear-z	-13.09	0.00	-6.27	0.00	-30.73	0.00
	57	gLCB11	[57]	Shear-z	-5.41	0.00	-6.27	0.00	-20.87	0.00
	57	gLCB7	[57]	Shear-z	-5.42	0.00	-6.22	0.00	-20.73	0.00
	57	gLCB5	[57]	Shear-z	-13.09	0.00	-6.22	0.00	-30.59	0.00
	57	gLCB12	[57]	Shear-z	-5.30	0.00	-5.45	0.00	-18.86	0.00
	57	gLCB10	[57]	Shear-z	-12.98	0.00	-5.45	0.00	-28.72	0.00
	57	gLCB8	[57]	Shear-z	-5.31	0.00	-5.40	0.00	-18.72	0.00
	57	gLCB6	[57]	Shear-z	-12.99	0.00	-5.40	0.00	-28.59	0.00
	57	gLCB13	[57]	Shear-z	-12.96	0.00	-5.36	0.00	-28.56	0.00
	57	gLCB15	[57]	Shear-z	-5.28	0.00	-5.36	0.00	-18.70	0.00
	57	gLCB14	[57]	Shear-z	-12.85	0.00	-4.54	0.00	-26.56	0.00
	57	gLCB16	[57]	Shear-z	-5.17	0.00	-4.54	0.00	-16.69	0.00
	57	gLCB22(max)	[57]	Shear-z	-0.00	0.00	0.02	0.00	0.42	0.00
	57	gLCB18(max)	[57]	Shear-z	-0.01	0.00	0.04	0.00	0.65	0.00
	57	gLCB21(max)	[57]	Shear-z	0.08	0.00	0.20	0.00	2.12	0.00
	57	gLCB24(max)	[57]	Shear-z	-0.08	0.00	0.20	0.00	2.84	0.00
	57	gLCB20(max)	[57]	Shear-z	-0.09	0.00	0.22	0.00	3.07	0.00
	57	gLCB17(max)	[57]	Shear-z	0.07	0.00	0.22	0.00	2.35	0.00
	57	gLCB23(max)	[57]	Shear-z	-0.00	0.00	0.38	0.00	4.55	0.00
	57	gLCB19(max)	[57]	Shear-z	-0.01	0.00	0.39	0.00	4.78	0.00

Governing
Load Case for:
LL EV3

LL EV2

DL

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Top Slab Corner (Cont.)

Net Longitudinal Tensile Strain in the Section at the Centroid of the Tension Reinforcement:

BDS Equation 5.7.3.4.2-4

$$\epsilon_{s_EV2_i} := \frac{\frac{|M_{u_slab_corner_EV2_i}|}{d_{v_slab}} + 0.5 \cdot N_{u_slab_corner_EV2_i} + |V_{u_slab_corner_EV2_i}|}{E_s \cdot A_{s_slab_corner}} = \begin{bmatrix} 0.00113 \\ 0.00175 \\ 0.00132 \end{bmatrix}$$

$$\epsilon_{s_EV3_i} := \frac{\frac{|M_{u_slab_corner_EV3_i}|}{d_{v_slab}} + 0.5 \cdot N_{u_slab_corner_EV3_i} + |V_{u_slab_corner_EV3_i}|}{E_s \cdot A_{s_slab_corner}} = \begin{bmatrix} 0.00126 \\ 0.00181 \\ 0.00144 \end{bmatrix}$$

Crack Spacing Parameter:

$$s_x := d_{v_slab} = 12.465 \text{ in}$$

BDS Article 5.7.3.4.2

Assumed maximum size of coarse aggregate:

$$a_g := 1.0 \text{ in}$$

MaineDOT Std. Spec. 703.02 for Class A

Equivalent Crack Spacing Parameter:

$$s_{xe} := s_x \cdot \frac{1.38}{\frac{a_g}{\text{in}} + 0.63} = 10.553 \text{ in}$$

BDS Equation 5.7.3.4.2-7

$$s_{xe} := \max(12.0 \text{ in}, s_{xe}) = 12.000 \text{ in}$$

$$s_{xe} := \min(s_{xe}, 80.0 \text{ in}) = 12.000 \text{ in}$$

Longitudinal Strain Factor: $\beta_{EV2_i} := \left(\frac{4.8}{1 + 750 \cdot \epsilon_{s_EV2_i}} \right) \cdot \left(\frac{51}{39 + \frac{s_{xe}}{\text{in}}} \right) = \begin{bmatrix} 2.600 \\ 2.079 \\ 2.414 \end{bmatrix}$ BDS Equation 5.8.3.4.2-2

$$\beta_{EV3_i} := \left(\frac{4.8}{1 + 750 \cdot \epsilon_{s_EV3_i}} \right) \cdot \left(\frac{51}{39 + \frac{s_{xe}}{\text{in}}} \right) = \begin{bmatrix} 2.463 \\ 2.034 \\ 2.309 \end{bmatrix}$$

Concrete Density Modification Factor:

$$\lambda = 1.000$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Top Slab Corner (Cont.)

Depths of Fill Less than 2'

Concrete Nominal Shear Resistance: $V_c = 0.0316 \cdot \beta \cdot \lambda \cdot \sqrt{f'_c} \cdot b_v \cdot d_v$ BDS Eq. 5.7.3.3-3

$$V_{c_slab_EV2_1} := 0.0316 \cdot \beta_{EV2_1} \cdot \lambda \cdot \sqrt{f'_c \cdot ksi} \cdot b_v \cdot d_{v_slab} = 21.288 \text{ kip}$$

$$V_{c_slab_EV3_1} := 0.0316 \cdot \beta_{EV3_1} \cdot \lambda \cdot \sqrt{f'_c \cdot ksi} \cdot b_v \cdot d_{v_slab} = 20.166 \text{ kip}$$

Depths of Fill 2' or Greater

Concrete Nominal Shear Resistance: $V_c = \left(0.0676 \cdot \lambda \cdot \sqrt{f'_c} + 4.6 \cdot \frac{A_s}{b \cdot d_e} \cdot \frac{V_u \cdot d_e}{M_u} \right) \cdot b \cdot d_e$ BDS Eq. 5.12.7.3-1

$$V_c \leq 0.126 \cdot \lambda \cdot \sqrt{f'_c} \cdot b \cdot d_e$$
 BDS Eq. 5.12.7.3-2

$$V_{c_min} = 0.0948 \cdot \lambda \cdot \sqrt{f'_c} \cdot b \cdot d_e$$
 BDS Art. 5.12.7.3

Effective Depth from Extreme
Compression Fiber to the Centroid
of the Tensile Force in the Tensile
Reinforcement:

$$d_{e_slab_corner} := d_{s_slab_corner} = 13.850 \text{ in}$$

Minimum Concrete Nominal
Shear Resistance:

$$V_{c_min_over2'} := 0.0948 \cdot \lambda \cdot \sqrt{f'_c \cdot ksi} \cdot b \cdot d_{e_slab_corner}$$

$$V_{c_min_over2'} = 27.289 \text{ kip}$$
 BDS Art. 5.12.7.3

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Top Slab Corner (Cont.)

Depths of Fill 2' or Greater (Cont.)

Concrete Nominal Shear Resistance:

$$V_{c_slab_A_EV2_2} := \left(0.0676 \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} \downarrow + 4.6 \cdot \frac{A_{s_slab_corner}}{b \cdot d_{e_slab_corner}} \cdot \frac{V_{u_slab_corner_EV2_2} \cdot d_{e_slab_corner}}{M_{u_slab_corner_EV2_2}} \cdot \text{ksi} \right) \cdot b \cdot d_{e_slab_corner} = 21.747 \text{ kip}$$

$$V_{c_slab_A_EV3_2} := \left(0.0676 \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} \downarrow + 4.6 \cdot \frac{A_{s_slab_corner}}{b \cdot d_{e_slab_corner}} \cdot \frac{V_{u_slab_corner_EV3_2} \cdot d_{e_slab_corner}}{M_{u_slab_corner_EV3_2}} \cdot \text{ksi} \right) \cdot b \cdot d_{e_slab_corner} = 21.936 \text{ kip}$$

$$V_{c_slab_A_EV2_3} := \left(0.0676 \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} \downarrow + 4.6 \cdot \frac{A_{s_slab_corner}}{b \cdot d_{e_slab_corner}} \cdot \frac{V_{u_slab_corner_EV2_3} \cdot d_{e_slab_corner}}{M_{u_slab_corner_EV2_3}} \cdot \text{ksi} \right) \cdot b \cdot d_{e_slab_corner} = 21.907 \text{ kip}$$

$$V_{c_slab_A_EV3_3} := \left(0.0676 \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} \downarrow + 4.6 \cdot \frac{A_{s_slab_corner}}{b \cdot d_{e_slab_corner}} \cdot \frac{V_{u_slab_corner_EV3_3} \cdot d_{e_slab_corner}}{M_{u_slab_corner_EV3_3}} \cdot \text{ksi} \right) \cdot b \cdot d_{e_slab_corner} = 22.226 \text{ kip}$$

$$V_{c_slab_B_2} := 0.126 \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} \cdot b \cdot d_{e_slab_corner} = 36.271 \text{ kip} \quad \text{BDS Eq. 5.12.7.3-2}$$

$$V_{c_slab_B_3} := 0.126 \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} \cdot b \cdot d_{e_slab_corner} = 36.271 \text{ kip} \quad \text{BDS Eq. 5.12.7.3-2}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Top Slab Corner (Cont.)

Depths of Fill 2' or Greater (Cont.)

Concrete Nominal Shear Resistance (Cont.):

$$V_{c_slab_EV2_2} := \max \left(\min \left(V_{c_slab_A_EV2_2}, V_{c_slab_B_2} \right), V_{c_min_over2'} \right) = 27.289 \text{ kip}$$

$$V_{c_slab_EV3_2} := \max \left(\min \left(V_{c_slab_A_EV3_2}, V_{c_slab_B_2} \right), V_{c_min_over2'} \right) = 27.289 \text{ kip}$$

$$V_{c_slab_EV2_3} := \max \left(\min \left(V_{c_slab_A_EV2_3}, V_{c_slab_B_3} \right), V_{c_min_over2'} \right) = 27.289 \text{ kip}$$

$$V_{c_slab_EV3_3} := \max \left(\min \left(V_{c_slab_A_EV3_3}, V_{c_slab_B_3} \right), V_{c_min_over2'} \right) = 27.289 \text{ kip}$$

Determine Shear Capacity for all Cases

Nominal Shear Resistance:

$$V_{n_A} = V_c + V_s + V_p$$

BDS Eq. 5.7.3.3-1

$$V_{n_A_slab_EV2} := V_{c_slab_EV2} = \begin{bmatrix} 21.288 \\ 27.289 \\ 27.289 \end{bmatrix} \text{ kip}$$

$$V_{n_A_slab_EV3} := V_{c_slab_EV3} = \begin{bmatrix} 20.166 \\ 27.289 \\ 27.289 \end{bmatrix} \text{ kip}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Top Slab Corner (Cont.)

Nominal Shear Resistance (Cont.): $V_{n_B} = 0.25 \cdot f'_c \cdot b_v \cdot d_{v_slab} + V_p$ BDS Eq. 5.7.3.3-2

$$V_{n_B_slab} := 0.25 \cdot f'_c \cdot b_v \cdot d_{v_slab} = 112.183 \text{ kip}$$

$$V_{n_slab_EV2_i} := \min(V_{n_A_slab_EV2_i}, V_{n_B_slab}) = \begin{bmatrix} 21.288 \\ 27.289 \\ 27.289 \end{bmatrix} \text{ kip}$$

$$V_{n_slab_EV3_i} := \min(V_{n_A_slab_EV3_i}, V_{n_B_slab}) = \begin{bmatrix} 20.166 \\ 27.289 \\ 27.289 \end{bmatrix} \text{ kip}$$

Shear Resistance Factor: $\phi_v := \begin{bmatrix} 0.90 \\ 0.85 \\ 0.85 \end{bmatrix}$ BDS Article 5.5.4.2 & BDS Table 12.5.5-1

Factored Shear Resistance: $V_{r_slab_EV2_i} := \phi_{v_i} \cdot V_{n_slab_EV2_i} = \begin{bmatrix} 19.159 \\ 23.196 \\ 23.196 \end{bmatrix} \text{ kip}$ BDS Eq. 5.6.3.2.1-1

$$V_{r_slab_EV3_i} := \phi_{v_i} \cdot V_{n_slab_EV3_i} = \begin{bmatrix} 18.150 \\ 23.196 \\ 23.196 \end{bmatrix} \text{ kip}$$

Condition Factor: $\varphi_c = 1.000$

System Factor for Shear: $\varphi_{s,v} = 1.000$

Capacity: $C_{v_slab_EV2} := \varphi_c \cdot \varphi_{s,v} \cdot V_{r_slab_EV2} = \begin{bmatrix} 19.159 \\ 23.196 \\ 23.196 \end{bmatrix} \text{ kip}$ MBE Eq. 6A.4.2.1-2

$$C_{v_slab_EV3} := \varphi_c \cdot \varphi_{s,v} \cdot V_{r_slab_EV3} = \begin{bmatrix} 18.150 \\ 23.196 \\ 23.196 \end{bmatrix} \text{ kip}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Wall Top

- Nominal shear resistance of sidewalls is calculated per BDS Article 5.7.3.3.

Rectangular Section Height: $h_{wall} = 2.000 \text{ ft}$

Rectangular Section Width: $b_v = 1.000 \text{ ft}$

Area of Shear Steel Reinforcing: $A_v = 0.000 \text{ ft}^2$

Effective Depth from Extreme Compression Fiber to the Centroid of the Tensile Force in the Tensile Reinforcement: $d_{e_wall_top} := d_{s_wall_top} = 21.436 \text{ in}$

Effective Shear Depth: $d_{v_wall_calc} := \frac{M_{n_wall_top}}{A_{s_wall_top} \cdot f_{s_wall_top}} = 20.024 \text{ in}$ BDS Eq. C5.7.2.8-1

$d_{v_wall_min} := \max(0.9 \cdot d_{e_wall_top}, 0.72 \cdot h_{wall})$ BDS Art. 5.7.2.8

$d_{v_wall_min} = 19.292 \text{ in}$

$d_{v_wall} := \max(d_{v_wall_calc}, d_{v_wall_min}) = 20.024 \text{ in}$ BDS Art. 5.7.2.8

- The shear resistance is dependent upon the factored loads. Use the concurrent moment and shear force effects at the middle of the third element below the top slab elements, which is 18" or less from the bottom of the slab; this is conservative as it is less than the required $d_{v_wall} = 20.024 \text{ in}$. A matrix vector is used for the three cases: min. soil, max. soil, and max. rigid frame leg.
- The total factored force effect is the sum of the dead load and live load force effects.
- Two cases are considered: maximum moment with concurrent shear and maximum shear with concurrent moment. Preliminary analysis calculations show that the maximum shear with concurrent forces governs the load rating; these are the calculations that are included here-in.
- All results are included in the Appendix; see elements 49, 149, and 251.

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Wall Top (Cont.)

Factored Bending Moment:

$$M_{u_wall_top_EV2} := \begin{bmatrix} 23.04 + 22.29 \\ 42.72 + 13.04 \\ 32.94 + 18.68 \end{bmatrix} \text{ kip} \cdot \text{ft} = \begin{bmatrix} 45.330 \\ 55.760 \\ 51.620 \end{bmatrix} \text{ kip} \cdot \text{ft}$$

$$M_{u_wall_top_EV3} := \begin{bmatrix} 23.04 + 33.18 \\ 42.72 + 19.09 \\ 32.94 + 27.65 \end{bmatrix} \text{ kip} \cdot \text{ft} = \begin{bmatrix} 56.220 \\ 61.810 \\ 60.590 \end{bmatrix} \text{ kip} \cdot \text{ft}$$

Factored Shear:

$$V_{u_wall_top_EV2} := \begin{bmatrix} -12.83 + -0.91 \\ -17.96 + -0.53 \\ -15.03 + -0.73 \end{bmatrix} \text{ kip} = \begin{bmatrix} -13.740 \\ -18.490 \\ -15.760 \end{bmatrix} \text{ kip}$$

$$V_{u_wall_top_EV3} := \begin{bmatrix} -12.83 + -1.35 \\ -17.96 + -0.78 \\ -15.03 + -1.08 \end{bmatrix} \text{ kip} = \begin{bmatrix} -14.180 \\ -18.740 \\ -16.110 \end{bmatrix} \text{ kip}$$

Factored Axial Load:

$$N_{u_wall_top_EV2} := \begin{bmatrix} -13.57 + -5.89 \\ -28.62 + -3.51 \\ -17.63 + -4.93 \end{bmatrix} \text{ kip} = \begin{bmatrix} -19.460 \\ -32.130 \\ -22.560 \end{bmatrix} \text{ kip}$$

$$N_{u_wall_top_EV3} := \begin{bmatrix} -13.57 + -6.35 \\ -28.62 + -4.35 \\ -17.63 + -5.28 \end{bmatrix} \text{ kip} = \begin{bmatrix} -19.920 \\ -32.970 \\ -22.910 \end{bmatrix} \text{ kip}$$

Net Longitudinal Tensile Strain in the Section at the Centroid of the Tension Reinforcement:

$$\epsilon_{s_wall_EV2_i} := \frac{\frac{|M_{u_wall_top_EV2_i}|}{d_{v_wall}} + 0.5 \cdot V_{u_wall_top_EV2_i} + |N_{u_wall_top_EV2_i}|}{E_s \cdot A_{s_wall_top}} = \begin{bmatrix} 0.00095 \\ 0.00135 \\ 0.00109 \end{bmatrix}$$

BDS Equation 5.7.3.4.2-4

$$\epsilon_{s_wall_EV3_i} := \frac{\frac{|M_{u_wall_top_EV3_i}|}{d_{v_wall}} + 0.5 \cdot V_{u_wall_top_EV3_i} + |N_{u_wall_top_EV3_i}|}{E_s \cdot A_{s_wall_top}} = \begin{bmatrix} 0.00111 \\ 0.00145 \\ 0.00123 \end{bmatrix}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Wall Top (Cont.)

Crack Spacing Parameter: $s_{x_wall} := d_{v_wall} = 20.024 \text{ in}$ BDS Article 5.7.3.4.2

Assumed maximum size of coarse aggregate: $a_g = 1.000 \text{ in}$ MaineDOT Std. Spec. 703.02 for Class A

Equivalent Crack Spacing Parameter: $s_{xe_wall} := s_{x_wall} \cdot \frac{1.38}{\frac{a_g}{\text{in}} + 0.63} = 16.953 \text{ in}$ BDS Equation 5.7.3.4.2-7

$$s_{xe_wall} := \max(12.0 \text{ in}, s_{xe_wall}) = 16.953 \text{ in} \quad s_{xe_wall} := \min(s_{xe_wall}, 80.0 \text{ in}) = 16.953 \text{ in}$$

Longitudinal Strain Factor: $\beta_{wall_EV2_i} := \left(\frac{4.8}{1 + 750 \cdot \epsilon_{s_wall_EV2_i}} \right) \cdot \left(\frac{51}{39 + \frac{s_{xe_wall}}{\text{in}}} \right) = \begin{bmatrix} 2.553 \\ 2.175 \\ 2.405 \end{bmatrix}$ BDS Equation 5.8.3.4.2-2

$$\beta_{wall_EV3_i} := \left(\frac{4.8}{1 + 750 \cdot \epsilon_{s_wall_EV3_i}} \right) \cdot \left(\frac{51}{39 + \frac{s_{xe_wall}}{\text{in}}} \right) = \begin{bmatrix} 2.384 \\ 2.094 \\ 2.280 \end{bmatrix}$$

Concrete Density Modification Factor: $\lambda = 1.000$

Concrete Nominal Shear Resistance: $V_{c_wall_EV2} := 0.0316 \cdot \beta_{wall_EV2} \cdot \lambda \cdot \sqrt{f'_c \cdot \text{ksi}} \cdot b_v \cdot d_{v_wall}$
BDS Eq. 5.7.3.3-3
 $V_{c_wall_EV2} = \begin{bmatrix} 33.571 \\ 28.611 \\ 31.629 \end{bmatrix} \text{ kip}$

$V_{c_wall_EV3} := 0.0316 \cdot \beta_{wall_EV3} \cdot \lambda \cdot \sqrt{f'_c \cdot \text{ksi}} \cdot b_v \cdot d_{v_wall}$
 $V_{c_wall_EV3} = \begin{bmatrix} 31.348 \\ 27.543 \\ 29.986 \end{bmatrix} \text{ kip}$

REINFORCED CONCRETE CAPACITY (CONT.)

Nominal Shear Resistance (Cont.)

Wall Top (Cont.)

Nominal Shear Resistance: $V_{n_A_wall_EV2} := V_{c_wall_EV2} = \begin{bmatrix} 33.571 \\ 28.611 \\ 31.629 \end{bmatrix} \text{ kip}$ BDS Eq. 5.7.3.3-1

$$V_{n_A_wall_EV3} := V_{c_wall_EV3} = \begin{bmatrix} 31.348 \\ 27.543 \\ 29.986 \end{bmatrix} \text{ kip}$$

$$V_{n_B_wall} := 0.25 \cdot f'_c \cdot b_v \cdot d_{v_wall} = 180.218 \text{ kip} \quad \text{BDS Eq. 5.7.3.3-2}$$

$$V_{n_wall_EV2_i} := \min(V_{n_A_wall_EV2_i}, V_{n_B_wall}) = \begin{bmatrix} 33.571 \\ 28.611 \\ 31.629 \end{bmatrix} \text{ kip}$$

$$V_{n_wall_EV3_i} := \min(V_{n_A_wall_EV3_i}, V_{n_B_wall}) = \begin{bmatrix} 31.348 \\ 27.543 \\ 29.986 \end{bmatrix} \text{ kip}$$

Shear Resistance Factor: $\phi_v = \begin{bmatrix} 0.900 \\ 0.850 \\ 0.850 \end{bmatrix}$ BDS Article 5.5.4.2 & BDS Table 12.5.5-1

Factored Shear Resistance: $V_{r_wall_EV2_i} := \phi_{v_i} \cdot V_{n_wall_EV2_i} = \begin{bmatrix} 30.214 \\ 24.319 \\ 26.885 \end{bmatrix} \text{ kip}$ BDS Eq. 5.6.3.2.1-1

$$V_{r_wall_EV3_i} := \phi_{v_i} \cdot V_{n_wall_EV3_i} = \begin{bmatrix} 28.214 \\ 23.412 \\ 25.488 \end{bmatrix} \text{ kip}$$

Condition Factor: $\phi_c = 1.000$

System Factor for Shear: $\phi_{s,v} = 1.000$

Capacity: $C_{v_wall_EV2} := \phi_c \cdot \phi_{s,v} \cdot V_{r_wall_EV2} = \begin{bmatrix} 30.214 \\ 24.319 \\ 26.885 \end{bmatrix} \text{ kip}$ MBE Eq. 6A.4.2.1-2

$$C_{v_wall_EV3} := \phi_c \cdot \phi_{s,v} \cdot V_{r_wall_EV3} = \begin{bmatrix} 28.214 \\ 23.412 \\ 25.488 \end{bmatrix} \text{ kip}$$

REINFORCED CONCRETE CAPACITY (CONT.)

Axial Thrust Resistance

- Axial capacity is calculated per BDS Article 5.6.4.5. The maximum factored demand load is checked for the ten percent of the nominal compressive capacity of the rigid frame leg. BDS Article 5.6.4.5 states that if factored axial demand is lower than the 10 percent of factored nominal compressive strength as given below then factored bending moment load can be checked for the factored flexural resistance without considering the axial-flexure interaction.
- The initial check only considers the governing EV load for each case; by inspection, if the maximum factored demand load for the governing load case is less than ten percent, then the other case will be also. The non-governing EV load is only checked if the maximum factored demand load for the governing load case is greater than the ten percent limit.

Axial Resistance Factor: $\phi_a := 0.70$ BDS Article 5.5.4.2
(no spirals or ties)

Top Slab

Top Slab Area: $A_{g_slab} := t_{slab_min} \cdot b = 192.000 \text{ in}^2$

Top Slab: $P_{limit_slab} := 0.1 \cdot \phi_a \cdot f'_c \cdot A_{g_slab}$ BDS Article 5.6.4.5

$$P_{limit_slab} = 40.320 \text{ kip}$$

Maximum Factored Axial Load: $P_{u_slab} := \left[\begin{array}{c} -13.22 + -1.35 \\ -19.11 + -0.78 \\ -15.51 + -1.08 \end{array} \right] \text{ kip} = \left[\begin{array}{c} 14.570 \\ 19.890 \\ 16.590 \end{array} \right] \text{ kip}$

Check: $Check_Axial_{slab_i} := \text{if } P_{u_slab_i} < P_{limit_slab}$
 $\left\| \begin{array}{l} \text{"Flexure Only"} \\ \text{else} \\ \text{"Consider Axial-Flexure Interaction"} \end{array} \right\|$

$$Check_Axial_{slab} = \left[\begin{array}{c} \text{"Flexure Only"} \\ \text{"Flexure Only"} \\ \text{"Flexure Only"} \end{array} \right]$$

REINFORCED CONCRETE CAPACITY (CONT.)

Axial Thrust Resistance (Cont.)

Walls

Wall Area: $A_{g_wall} := t_{leg} \cdot b = 288.000 \text{ in}^2$

Top Slab: $P_{limit_wall} := 0.1 \cdot \phi_a \cdot f'_c \cdot A_{g_wall}$ BDS Article 5.6.4.5

$P_{limit_wall} = 60.480 \text{ kip}$

Maximum Factored Axial Load: $P_{u_wall} := \left[\begin{array}{c} -22.76 + -16.56 \\ -37.81 + -10.81 \\ -27.19 + -14.25 \end{array} \right] \text{ kip} = \left[\begin{array}{c} 39.320 \\ 48.620 \\ 41.440 \end{array} \right] \text{ kip}$

Check: $Check_Axial_{wall_i} := \text{if } P_{u_wall_i} < P_{limit_wall}$
 $\left\| \begin{array}{l} \text{"Flexure Only"} \\ \text{else} \\ \text{"Consider Axial-Flexure Interaction"} \end{array} \right\|$

$Check_Axial_{wall} = \left[\begin{array}{c} \text{"Flexure Only"} \\ \text{"Flexure Only"} \\ \text{"Flexure Only"} \end{array} \right]$

REINFORCED CONCRETE CAPACITY (CONT.)

Summary

Nominal Flexural Resistance

Top Slab Center: $C_{slab_center} = 89.319 \text{ kip} \cdot \text{ft}$

Top Slab Corner: $C_{slab_corner} = 80.598 \text{ kip} \cdot \text{ft}$

Wall Top: $C_{wall_top} = 129.757 \text{ kip} \cdot \text{ft}$

Nominal Shear Resistance

Top Slab Corner EV Operating Level: $C_{v_slab_EV2} = \begin{bmatrix} 19.159 \\ 23.196 \\ 23.196 \end{bmatrix} \text{ kip}$

$$C_{v_slab_EV3} = \begin{bmatrix} 18.150 \\ 23.196 \\ 23.196 \end{bmatrix} \text{ kip}$$

Wall Top EV Operating Level: $C_{v_wall_EV2} = \begin{bmatrix} 30.214 \\ 24.319 \\ 26.885 \end{bmatrix} \text{ kip}$

$$C_{v_wall_EV3} = \begin{bmatrix} 28.214 \\ 23.412 \\ 25.488 \end{bmatrix} \text{ kip}$$

LOAD RATING RESULTS

Strength I EV Operating
Load Rating Factor:

$$RF_{opr} = \frac{C - \gamma_{DC} \cdot DC - \gamma_{DW} \cdot DW - \gamma_{EH} \cdot EH - \gamma_{EV} \cdot EV}{\gamma_{LL_{opr}} \cdot (LS + LL)}$$

MBE Eq. 6A.4.2.1-1

Flexure

Top Slab Center

- All results are included in the Appendix; see elements 69, 169, and 271 (i-node).

Maximum Factored Dead Load:

$$DL_{f_slab_center} := \begin{bmatrix} 18.38 \\ 44.22 \\ 24.85 \end{bmatrix} \text{ kip} \cdot \text{ft}$$

Maximum Factored Live Load:

$$LL_{f_slab_center_EV2} := \begin{bmatrix} 24.59 \\ 13.04 \\ 19.93 \end{bmatrix} \text{ kip} \cdot \text{ft}$$

$$LL_{f_slab_center_EV3} := \begin{bmatrix} 38.86 \\ 20.93 \\ 32.5 \end{bmatrix} \text{ kip} \cdot \text{ft}$$

EV Operating Rating Factor:

$$RF_{f_slab_center_EV2} := \frac{C_{slab_center} - DL_{f_slab_center}}{LL_{f_slab_center_EV2}} = \begin{bmatrix} 2.88 \\ 3.46 \\ 3.23 \end{bmatrix}$$

$$RF_{f_slab_center_EV3} := \frac{C_{slab_center} - DL_{f_slab_center}}{LL_{f_slab_center_EV3}} = \begin{bmatrix} 1.83 \\ 2.15 \\ 1.98 \end{bmatrix}$$

LOAD RATING RESULTS (CONT)

Flexure (Cont.)

Top Slab Corner

- All results are included in the Appendix; see elements 57, 157, and 259 (i-node).

Maximum Factored Dead Load: $DL_{f_slab_corner} := \begin{bmatrix} -32.76 \\ -57.64 \\ -41.27 \end{bmatrix} \text{ kip} \cdot \text{ft}$

Maximum Factored Live Load: $LL_{f_slab_corner_EV2} := \begin{bmatrix} -15.54 \\ -10.20 \\ -13.26 \end{bmatrix} \text{ kip} \cdot \text{ft}$

$LL_{f_slab_corner_EV3} := \begin{bmatrix} -26.03 \\ -15.86 \\ -21.89 \end{bmatrix} \text{ kip} \cdot \text{ft}$

EV Operating Rating Factor: $RF_{f_slab_corner_EV2} := \frac{C_{slab_corner} - DL_{f_slab_corner}}{LL_{f_slab_corner_EV2}} = \begin{bmatrix} 3.08 \\ 2.25 \\ 2.97 \end{bmatrix}$

$RF_{f_slab_corner_EV3} := \frac{C_{slab_corner} - DL_{f_slab_corner}}{LL_{f_slab_corner_EV3}} = \begin{bmatrix} 1.84 \\ 1.45 \\ 1.80 \end{bmatrix}$

Wall Top

- All results are included in the Appendix; see elements 49, 149, and 251 (part 2/4).

Maximum Factored Dead Load: $DL_{f_wall_top} := \begin{bmatrix} 24.40 \\ 49.34 \\ 33.04 \end{bmatrix} \text{ kip} \cdot \text{ft}$

Maximum Factored Live Load: $LL_{f_wall_top_EV2} := \begin{bmatrix} 22.29 \\ 13.04 \\ 18.68 \end{bmatrix} \text{ kip} \cdot \text{ft}$

$LL_{f_wall_top_EV3} := \begin{bmatrix} 33.18 \\ 19.09 \\ 27.65 \end{bmatrix} \text{ kip} \cdot \text{ft}$

EV Operating Rating Factor: $RF_{f_wall_top_EV2} := \frac{C_{wall_top} - DL_{f_wall_top}}{LL_{f_wall_top_EV2}} = \begin{bmatrix} 4.73 \\ 6.17 \\ 5.18 \end{bmatrix}$

$RF_{f_wall_top_EV3} := \frac{C_{wall_top} - DL_{f_wall_top}}{LL_{f_wall_top_EV3}} = \begin{bmatrix} 3.18 \\ 4.21 \\ 3.50 \end{bmatrix}$

LOAD RATING RESULTS (CONT)

Shear

Top Slab Corner

- All results are included in the Appendix; see elements 57, 157, and 259 (i-node).

Maximum Factored Dead Load:

$$DL_{v_slab} := \begin{bmatrix} -7.13 \\ -15.35 \\ -9.37 \end{bmatrix} \text{ kip}$$

Maximum Factored Live Load EV
Operating Level:

$$LL_{v_slab_EV2} := \begin{bmatrix} -7.81 \\ -4.25 \\ -6.37 \end{bmatrix} \text{ kip}$$

$$LL_{v_slab_EV3} := \begin{bmatrix} -11.38 \\ -6.19 \\ -9.28 \end{bmatrix} \text{ kip}$$

EV Operating Rating Factor:

$$RF_{v_slab_EV2} := \frac{C_{v_slab_EV2} - DL_{v_slab}}{LL_{v_slab_EV2}} = \begin{bmatrix} 1.54 \\ 1.85 \\ 2.17 \end{bmatrix}$$

$$RF_{v_slab_EV3} := \frac{C_{v_slab_EV3} - DL_{v_slab}}{LL_{v_slab_EV3}} = \begin{bmatrix} 0.97 \\ 1.27 \\ 1.49 \end{bmatrix} *$$

*This load rating was completed at a conservative location. The Load Rating Factor is 1.15 taken at the design section; see refined analysis on sheets LR-63 and LR-64.

LOAD RATING RESULTS (CONT)

Shear (Cont.)

Wall Top

- All results are included in the Appendix; see elements 49, 149, and 251 (part 2/4).

Maximum Factored Dead Load:

$$DL_{v_wall} := \begin{bmatrix} -12.83 \\ -17.96 \\ -15.03 \end{bmatrix} \text{ kip}$$

Maximum Factored Live Load EV
Operating Level:

$$LL_{v_wall_EV2} := \begin{bmatrix} -0.91 \\ -0.53 \\ -0.73 \end{bmatrix} \text{ kip}$$

$$LL_{v_wall_EV3} := \begin{bmatrix} -1.35 \\ -0.78 \\ -1.08 \end{bmatrix} \text{ kip}$$

EV Operating Rating Factor:

$$RF_{v_wall_EV2} := \frac{C_{v_wall_EV2} - DL_{v_wall}}{LL_{v_wall_EV2}} = \begin{bmatrix} 19.10 \\ 12.00 \\ 16.24 \end{bmatrix}$$

$$RF_{v_wall_EV3} := \frac{C_{v_wall_EV3} - DL_{v_wall}}{LL_{v_wall_EV3}} = \begin{bmatrix} 11.40 \\ 6.99 \\ 9.68 \end{bmatrix}$$

LOAD RATING RESULTS (CONT)

Shear (Cont.)

Top Slab Corner - Refined for Min. Soil Condition EV3

- For the minimum soil condition, check the section 12.5" away from the face of the support ($\sim = d_{v_slab} = 12.465$ in).
- All results are included in the Appendix; see element 57 (part 2/4).

Factored Bending Moment: $M_{u_slab_corner_@dv} := (-29.27 + -6.37) \text{ kip} \cdot \text{ft} = -35.640 \text{ ft} \cdot \text{kip}$

Factored Shear: $V_{u_slab_corner_@dv} := (-6.83 + -11.06) \text{ kip} = -17.890 \text{ kip}$

Factored Axial Load: $N_{u_slab_corner_@dv} := (-13.22 + -1.12) \text{ kip} = -14.340 \text{ kip}$

Net Longitudinal Tensile
Strain in the Section at the
Centroid of the Tension
Reinforcement:

$$\varepsilon_{s_@dv} := \frac{\frac{|M_{u_slab_corner_@dv}|}{d_{v_slab}} + 0.5 \cdot N_{u_slab_corner_@dv} + |V_{u_slab_corner_@dv}|}{E_s \cdot A_{s_slab_corner}}$$

$$\varepsilon_{s_@dv} = 0.00108$$

BDS Equation 5.7.3.4.2-4

Crack Spacing Parameter: $s_x = 12.465$ in BDS Article 5.7.3.4.2

Effective Shear Depth: $d_{v_slab} = 12.465$ in

Assumed maximum size of coarse aggregate: $a_g = 1.000$ in

Equivalent Crack Spacing Parameter: $s_{xe} = 12.000$ in

Longitudinal Strain Factor: $\beta_{@dv} := \left(\frac{4.8}{1 + 750 \cdot \varepsilon_{s_@dv}} \right) \cdot \left(\frac{51}{39 + \frac{s_{xe}}{\text{in}}} \right) = 2.654$

Concrete Density Modification Factor: $\lambda = 1.000$

Concrete Nominal Shear Resistance: $V_{c_slab_@dv} := 0.0316 \cdot \beta_{@dv} \cdot \lambda \cdot \sqrt{f'_c} \cdot \text{ksi} \cdot b_v \cdot d_{v_slab}$

$$V_{c_slab_@dv} = 21.726 \text{ kip}$$

LOAD RATING RESULTS (CONT)

Shear (Cont.)

Top Slab Corner - Refined for Min. Soil Condition EV3 (Cont.)

Nominal Shear Resistance:	$V_{n_A_slab_@dv} := V_{c_slab_@dv} = 21.726 \text{ kip}$
	$V_{n_B_slab} = 112.183 \text{ kip}$
	$V_{n_slab_@dv} := \min(V_{n_A_slab_@dv}, V_{n_B_slab}) = 21.726 \text{ kip}$
Shear Resistance Factor:	$\phi_{v1} = 0.900$
Factored Shear Resistance:	$V_{r_slab_@dv} := \phi_{v1} \cdot V_{c_slab_@dv} = 19.553 \text{ kip}$
Condition Factor:	$\varphi_c = 1.000$
System Factor for Shear:	$\varphi_{s.v} = 1.000$
Capacity:	$C_{v_slab_@dv} := \varphi_c \cdot \varphi_{s.v} \cdot V_{r_slab_@dv} = 19.553 \text{ kip}$
Maximum Factored Shear Dead Load:	$DL_{v_slab_@dv} := -6.83 \text{ kip} = 6.830 \text{ kip}$
Maximum Factored Shear Live Load EV Operating Level:	$LL_{v_slab_@dv} := -11.06 \text{ kip} = 11.060 \text{ kip}$
EV Operating Rating Factor:	$RF_{v_slab_@dv} := \frac{C_{v_slab_@dv} - DL_{v_slab_@dv}}{LL_{v_slab_@dv}} = 1.15$

Hoyle, Tanner Project No. 923402.05
City of Brewer
Interstate 395 over Maine Central Railroad
MaineDOT Bridge No. 1559
Load Rating Calculations

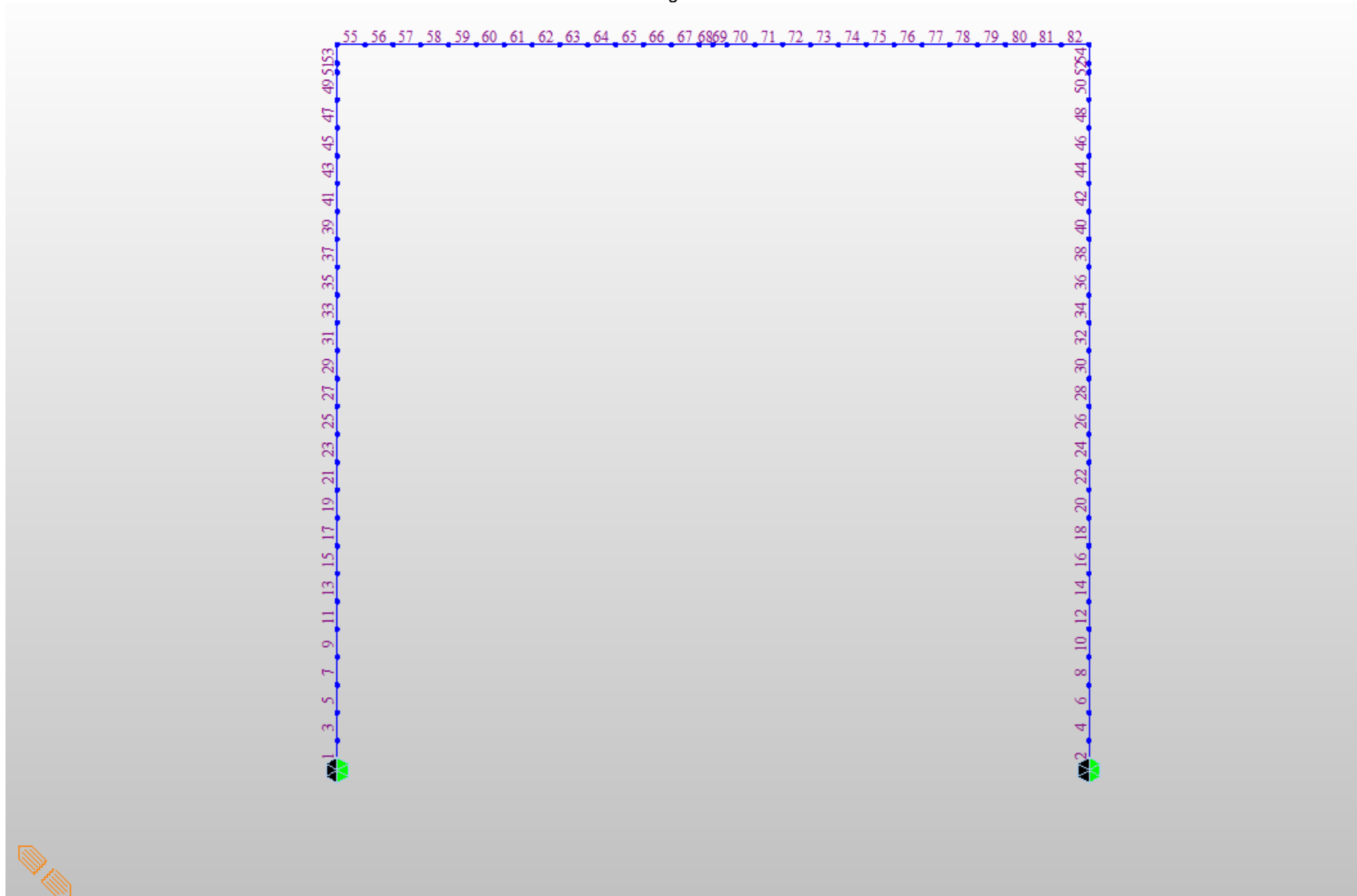


Figure 1 1 Min Soil - Elements

Hoyle, Tanner Project No. 923402.05
City of Brewer
Interstate 395 over Maine Central Railroad
MaineDOT Bridge No. 1559
Load Rating Calculations

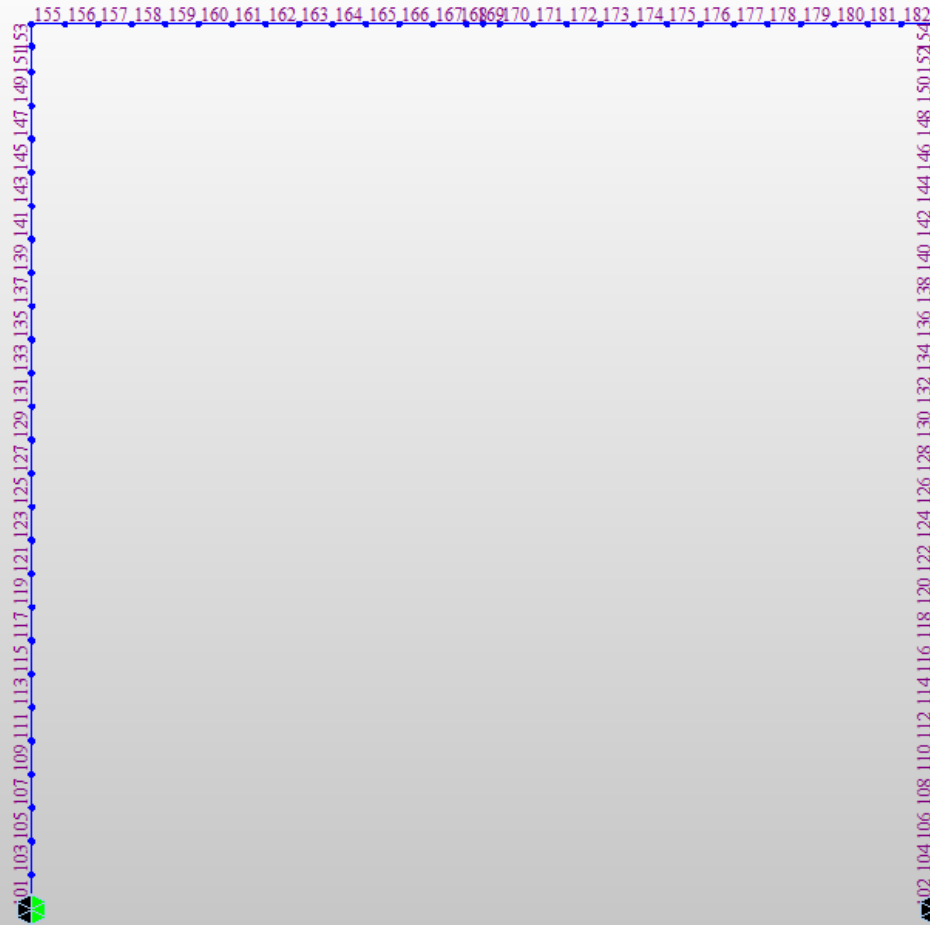



Figure 2 1 Max Soil - Elements


Figure 1: A plot of the 284 points of the elliptic curve E over the field F_{2857} . The points are arranged in a rectangular grid, with the x-axis labeled from 201 to 284 and the y-axis labeled from 257 to 284. The points are colored blue and green, and the plot is titled "Figure 1: A plot of the 284 points of the elliptic curve E over the field F_{2857} ."

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Node	X(ft)	Y(ft)	Z(ft)
1	0.000	0.000	31.000
2	27.000	0.000	31.000
3	0.000	0.000	32.000
4	27.000	0.000	32.000
5	0.000	0.000	33.000
6	27.000	0.000	33.000
7	0.000	0.000	34.000
8	27.000	0.000	34.000
9	0.000	0.000	35.000
10	27.000	0.000	35.000
11	0.000	0.000	36.000
12	27.000	0.000	36.000
13	0.000	0.000	37.000
14	27.000	0.000	37.000
15	0.000	0.000	38.000
16	27.000	0.000	38.000
17	0.000	0.000	39.000
18	27.000	0.000	39.000
19	0.000	0.000	40.000
20	27.000	0.000	40.000
21	0.000	0.000	41.000
22	27.000	0.000	41.000
23	0.000	0.000	42.000
24	27.000	0.000	42.000
25	0.000	0.000	43.000
26	27.000	0.000	43.000
27	0.000	0.000	44.000
28	27.000	0.000	44.000
29	0.000	0.000	45.000
30	27.000	0.000	45.000
31	0.000	0.000	46.000
32	27.000	0.000	46.000
33	0.000	0.000	47.000
34	27.000	0.000	47.000
35	0.000	0.000	48.000
36	27.000	0.000	48.000
37	0.000	0.000	49.000
38	27.000	0.000	49.000
39	0.000	0.000	50.000
40	27.000	0.000	50.000
41	0.000	0.000	51.000
42	27.000	0.000	51.000
43	0.000	0.000	52.000
44	27.000	0.000	52.000
45	0.000	0.000	53.000
46	27.000	0.000	53.000
47	0.000	0.000	54.000
48	27.000	0.000	54.000
49	0.000	0.000	55.000
50	27.000	0.000	55.000
51	0.000	0.000	56.000
52	27.000	0.000	56.000
53	0.000	0.000	56.317
54	27.000	0.000	56.317
55	0.000	0.000	56.983
56	1.000	0.000	56.983
57	2.000	0.000	56.983

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
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Node	X(ft)	Y(ft)	Z(ft)
58	3.000	0.000	56.983
59	4.000	0.000	56.983
60	5.000	0.000	56.983
61	6.000	0.000	56.983
62	7.000	0.000	56.983
63	8.000	0.000	56.983
64	9.000	0.000	56.983
65	10.000	0.000	56.983
66	11.000	0.000	56.983
67	12.000	0.000	56.983
68	13.000	0.000	56.983
69	13.500	0.000	56.983
70	14.000	0.000	56.983
71	15.000	0.000	56.983
72	16.000	0.000	56.983
73	17.000	0.000	56.983
74	18.000	0.000	56.983
75	19.000	0.000	56.983
76	20.000	0.000	56.983
77	21.000	0.000	56.983
78	22.000	0.000	56.983
79	23.000	0.000	56.983
80	24.000	0.000	56.983
81	25.000	0.000	56.983
82	26.000	0.000	56.983
83	27.000	0.000	56.983

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	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
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Node	X(ft)	Y(ft)	Z(ft)
101	100.000	0.000	31.000
102	127.000	0.000	31.000
103	100.000	0.000	32.000
104	127.000	0.000	32.000
105	100.000	0.000	33.000
106	127.000	0.000	33.000
107	100.000	0.000	34.000
108	127.000	0.000	34.000
109	100.000	0.000	35.000
110	127.000	0.000	35.000
111	100.000	0.000	36.000
112	127.000	0.000	36.000
113	100.000	0.000	37.000
114	127.000	0.000	37.000
115	100.000	0.000	38.000
116	127.000	0.000	38.000
117	100.000	0.000	39.000
118	127.000	0.000	39.000
119	100.000	0.000	40.000
120	127.000	0.000	40.000
121	100.000	0.000	41.000
122	127.000	0.000	41.000
123	100.000	0.000	42.000
124	127.000	0.000	42.000
125	100.000	0.000	43.000
126	127.000	0.000	43.000
127	100.000	0.000	44.000
128	127.000	0.000	44.000
129	100.000	0.000	45.000
130	127.000	0.000	45.000
131	100.000	0.000	46.000
132	127.000	0.000	46.000
133	100.000	0.000	47.000
134	127.000	0.000	47.000
135	100.000	0.000	48.000
136	127.000	0.000	48.000
137	100.000	0.000	49.000
138	127.000	0.000	49.000
139	100.000	0.000	50.000
140	127.000	0.000	50.000
141	100.000	0.000	51.000
142	127.000	0.000	51.000
143	100.000	0.000	52.000
144	127.000	0.000	52.000
145	100.000	0.000	53.000
146	127.000	0.000	53.000
147	100.000	0.000	54.000
148	127.000	0.000	54.000
149	100.000	0.000	55.000
150	127.000	0.000	55.000
151	100.000	0.000	56.000
152	127.000	0.000	56.000
153	100.000	0.000	56.767
154	127.000	0.000	56.767
155	100.000	0.000	57.433
156	101.000	0.000	57.433
157	102.000	0.000	57.433

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
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Node	X(ft)	Y(ft)	Z(ft)
158	103.000	0.000	57.433
159	104.000	0.000	57.433
160	105.000	0.000	57.433
161	106.000	0.000	57.433
162	107.000	0.000	57.433
163	108.000	0.000	57.433
164	109.000	0.000	57.433
165	110.000	0.000	57.433
166	111.000	0.000	57.433
167	112.000	0.000	57.433
168	113.000	0.000	57.433
169	113.500	0.000	57.433
170	114.000	0.000	57.433
171	115.000	0.000	57.433
172	116.000	0.000	57.433
173	117.000	0.000	57.433
174	118.000	0.000	57.433
175	119.000	0.000	57.433
176	120.000	0.000	57.433
177	121.000	0.000	57.433
178	122.000	0.000	57.433
179	123.000	0.000	57.433
180	124.000	0.000	57.433
181	125.000	0.000	57.433
182	126.000	0.000	57.433
183	127.000	0.000	57.433

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	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Node	X(ft)	Y(ft)	Z(ft)
201	200.000	0.000	31.000
202	227.000	0.000	31.000
203	200.000	0.000	32.000
204	227.000	0.000	32.000
205	200.000	0.000	33.000
206	227.000	0.000	33.000
207	200.000	0.000	34.000
208	227.000	0.000	34.000
209	200.000	0.000	35.000
210	227.000	0.000	35.000
211	200.000	0.000	36.000
212	227.000	0.000	36.000
213	200.000	0.000	37.000
214	227.000	0.000	37.000
215	200.000	0.000	38.000
216	227.000	0.000	38.000
217	200.000	0.000	39.000
218	227.000	0.000	39.000
219	200.000	0.000	40.000
220	227.000	0.000	40.000
221	200.000	0.000	41.000
222	227.000	0.000	41.000
223	200.000	0.000	42.000
224	227.000	0.000	42.000
225	200.000	0.000	43.000
226	227.000	0.000	43.000
227	200.000	0.000	44.000
228	227.000	0.000	44.000
229	200.000	0.000	45.000
230	227.000	0.000	45.000
231	200.000	0.000	46.000
232	227.000	0.000	46.000
233	200.000	0.000	47.000
234	227.000	0.000	47.000
235	200.000	0.000	48.000
236	227.000	0.000	48.000
237	200.000	0.000	49.000
238	227.000	0.000	49.000
239	200.000	0.000	50.000
240	227.000	0.000	50.000
241	200.000	0.000	51.000
242	227.000	0.000	51.000
243	200.000	0.000	52.000
244	227.000	0.000	52.000
245	200.000	0.000	53.000
246	227.000	0.000	53.000
247	200.000	0.000	54.000
248	227.000	0.000	54.000
249	200.000	0.000	55.000
250	227.000	0.000	55.000
251	200.000	0.000	56.000
252	227.000	0.000	56.000
253	200.000	0.000	57.000
254	227.000	0.000	57.000
255	200.000	0.000	57.207
256	227.000	0.000	57.207
257	200.000	0.000	57.873

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Node	X(ft)	Y(ft)	Z(ft)
258	201.000	0.000	57.873
259	202.000	0.000	57.873
260	203.000	0.000	57.873
261	204.000	0.000	57.873
262	205.000	0.000	57.873
263	206.000	0.000	57.873
264	207.000	0.000	57.873
265	208.000	0.000	57.873
266	209.000	0.000	57.873
267	210.000	0.000	57.873
268	211.000	0.000	57.873
269	212.000	0.000	57.873
270	213.000	0.000	57.873
271	213.500	0.000	57.873
272	214.000	0.000	57.873
273	215.000	0.000	57.873
274	216.000	0.000	57.873
275	217.000	0.000	57.873
276	218.000	0.000	57.873
277	219.000	0.000	57.873
278	220.000	0.000	57.873
279	221.000	0.000	57.873
280	222.000	0.000	57.873
281	223.000	0.000	57.873
282	224.000	0.000	57.873
283	225.000	0.000	57.873
284	226.000	0.000	57.873
285	227.000	0.000	57.873

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

ID	Name	Type	Standard	Code	DB	Use Mass Density	Elasticity (kips/ft^2)	Poiss on	Thermal (1/F)	Density (kips/ft^3)	Mass Density (kips/ft^3/g)	Stand ard2	Code 2	DB2	Elasticity 2	Poiss on2	Thermal2 (1/F)	Density2 (kips/ft^3)	
1	CIP Conc	Concrete	ASTM(R		Grade C3000	<input type="checkbox"/>	4.5445e+	0.2	5.0000e-	1.5000e-	4.6621e-003								
						<input type="checkbox"/>													

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


ID	Mass Density2	Plastic Matl.	Sp. Heat (Btu/kips*[F])	Heat Co. (Btu/ft*hr*[F	Material Type	Shear Mod. xy	Elasticity_y (kips/ft^2)	Thermal_y (1/[F])	Shear Mod. xz	Poiss on xz	Elasticity_ z	Thermal_ z	Shear Mod. yz	Poisso n yz	
1		Non	0.0000	0.0000	Isotropic	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


ID	Type	Shape	Name	Area (ft^2)	Asy (ft^2)	Asz (ft^2)	Ixx (ft^4)	Iyy (ft^4)	Izz (ft^4)	Cyp (ft)	Cym (ft)	Czp (ft)	Czm (ft)	Qyb (ft^2)	Qzb (ft^2)	Peri.(Out) (ft)	Peri.(In) (ft)	
1	DB/User	SB	Top Slab	1.3333	1.1111	1.1111	0.2400	0.1975	0.1111	0.5000	0.5000	0.6667	0.6667	0.2222	0.1250	4.6667	0.0000	
2	DB/User	SB	Legs	2.0000	1.6667	1.6667	0.4578	0.6667	0.1667	0.5000	0.5000	1.0000	1.0000	0.5000	0.1250	6.0000	0.0000	

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


No	Type	Material		Section		Thickness		L/A/V		Unit Weight (kips/ft^3)	Total Weight (kips)
		No	Name	No	Name	No	Name	Type	Value		
1	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
2	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
3	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
4	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
5	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
6	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
7	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
8	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
9	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
10	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
11	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
12	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
13	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
14	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
15	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
16	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
17	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
18	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
19	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
20	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
21	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
22	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
23	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
24	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
25	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
26	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
27	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
28	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
29	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
30	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
31	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
32	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
33	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
34	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
35	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
36	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
37	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
38	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
39	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
40	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
41	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
42	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
43	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
44	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
45	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
46	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
47	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
48	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
49	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
50	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
51	BEAM	1	CIP Conc	2	Legs	-	-	L	0.3170	0.1500	0.0951
52	BEAM	1	CIP Conc	2	Legs	-	-	L	0.3170	0.1500	0.0951
53	BEAM	1	CIP Conc	2	Legs	-	-	L	0.6660	0.1500	0.1998
54	BEAM	1	CIP Conc	2	Legs	-	-	L	0.6660	0.1500	0.1998
55	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
56	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


No	Type	Material		Section		Thickness		L/A/V		Unit Weight (kips/ft^3)	Total Weight (kips)
		No	Name	No	Name	No	Name	Type	Value		
57	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
58	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
59	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
60	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
61	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
62	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
63	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
64	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
65	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
66	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
67	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
68	BEAM	1	CIP Conc	1	Top Slab	-	-	L	0.5000	0.1500	0.1000
69	BEAM	1	CIP Conc	1	Top Slab	-	-	L	0.5000	0.1500	0.1000
70	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
71	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
72	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
73	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
74	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
75	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
76	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
77	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
78	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
79	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
80	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
81	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
82	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


No	Type	Material		Section		Thickness		L/A/V		Unit Weight (kips/ft^3)	Total Weight (kips)
		No	Name	No	Name	No	Name	Type	Value		
101	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
102	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
103	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
104	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
105	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
106	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
107	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
108	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
109	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
110	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
111	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
112	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
113	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
114	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
115	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
116	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
117	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
118	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
119	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
120	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
121	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
122	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
123	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
124	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
125	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
126	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
127	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
128	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
129	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
130	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
131	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
132	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
133	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
134	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
135	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
136	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
137	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
138	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
139	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
140	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
141	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
142	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
143	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
144	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
145	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
146	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
147	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
148	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
149	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
150	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
151	BEAM	1	CIP Conc	2	Legs	-	-	L	0.7670	0.1500	0.2301
152	BEAM	1	CIP Conc	2	Legs	-	-	L	0.7670	0.1500	0.2301
153	BEAM	1	CIP Conc	2	Legs	-	-	L	0.6660	0.1500	0.1998
154	BEAM	1	CIP Conc	2	Legs	-	-	L	0.6660	0.1500	0.1998
155	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
156	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


No	Type	Material		Section		Thickness		L/A/V		Unit Weight (kips/ft^3)	Total Weight (kips)
		No	Name	No	Name	No	Name	Type	Value		
157	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
158	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
159	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
160	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
161	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
162	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
163	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
164	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
165	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
166	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
167	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
168	BEAM	1	CIP Conc	1	Top Slab	-	-	L	0.5000	0.1500	0.1000
169	BEAM	1	CIP Conc	1	Top Slab	-	-	L	0.5000	0.1500	0.1000
170	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
171	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
172	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
173	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
174	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
175	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
176	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
177	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
178	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
179	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
180	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
181	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
182	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.		Client	MaineDOT
	Author	KMH		File	Brewer-I395 over MCRR.mcb


No	Type	Material		Section		Thickness		L/A/V		Unit Weight (kips/ft^3)	Total Weight (kips)
		No	Name	No	Name	No	Name	Type	Value		
201	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
202	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
203	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
204	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
205	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
206	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
207	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
208	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
209	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
210	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
211	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
212	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
213	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
214	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
215	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
216	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
217	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
218	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
219	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
220	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
221	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
222	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
223	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
224	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
225	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
226	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
227	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
228	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
229	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
230	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
231	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
232	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
233	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
234	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
235	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
236	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
237	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
238	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
239	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
240	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
241	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
242	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
243	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
244	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
245	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
246	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
247	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
248	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
249	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
250	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
251	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
252	BEAM	1	CIP Conc	2	Legs	-	-	L	1.0000	0.1500	0.3000
253	BEAM	1	CIP Conc	2	Legs	-	-	L	0.2070	0.1500	0.0621
254	BEAM	1	CIP Conc	2	Legs	-	-	L	0.2070	0.1500	0.0621
255	BEAM	1	CIP Conc	2	Legs	-	-	L	0.6660	0.1500	0.1998
256	BEAM	1	CIP Conc	2	Legs	-	-	L	0.6660	0.1500	0.1998

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

No	Type	Material		Section		Thickness		L/A/V		Unit Weight (kips/ft^3)	Total Weight (kips)
		No	Name	No	Name	No	Name	Type	Value		
257	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
258	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
259	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
260	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
261	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
262	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
263	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
264	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
265	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
266	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
267	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
268	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
269	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
270	BEAM	1	CIP Conc	1	Top Slab	-	-	L	0.5000	0.1500	0.1000
271	BEAM	1	CIP Conc	1	Top Slab	-	-	L	0.5000	0.1500	0.1000
272	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
273	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
274	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
275	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
276	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
277	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
278	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
279	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
280	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
281	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
282	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
283	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000
284	BEAM	1	CIP Conc	1	Top Slab	-	-	L	1.0000	0.1500	0.2000

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Node	Dx	Dy	Dz	Rx	Ry	Rz	Rw	Group
1	1	1	1	0	0	0	0	Default
2	1	1	1	0	0	0	0	Default
101	1	1	1	0	0	0	0	Default
102	1	1	1	0	0	0	0	Default
201	1	1	1	0	0	0	0	Default
202	1	1	1	0	0	0	0	Default

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Node	Load Case	FX (kips)	FY (kips)	FZ (kips)	MX (ft*kips)	MY (ft*kips)	MZ (ft*kips)	Group
53	Approach Slab	0.00	0.00	-0.775	0.00	-0.969	0.00	Default
54	Approach Slab	0.00	0.00	-0.775	0.00	0.969	0.00	Default
153	Approach Slab	0.00	0.00	-0.775	0.00	-0.969	0.00	Default
154	Approach Slab	0.00	0.00	-0.775	0.00	0.969	0.00	Default
255	Approach Slab	0.00	0.00	-0.775	0.00	-0.969	0.00	Default
256	Approach Slab	0.00	0.00	-0.775	0.00	0.969	0.00	Default
53	LL Surcharge Both	0.00	0.00	-1.938	0.00	-2.422	0.00	Default
54	LL Surcharge Both	0.00	0.00	-1.938	0.00	2.422	0.00	Default
153	LL Surcharge Both	0.00	0.00	-1.938	0.00	-2.422	0.00	Default
154	LL Surcharge Both	0.00	0.00	-1.938	0.00	2.422	0.00	Default
255	LL Surcharge Both	0.00	0.00	-1.938	0.00	-2.422	0.00	Default
256	LL Surcharge Both	0.00	0.00	-1.938	0.00	2.422	0.00	Default
53	LL Surcharge Left	0.00	0.00	-1.938	0.00	-2.422	0.00	Default
153	LL Surcharge Left	0.00	0.00	-1.938	0.00	-2.422	0.00	Default
255	LL Surcharge Left	0.00	0.00	-1.938	0.00	-2.422	0.00	Default
54	LL Surcharge Right	0.00	0.00	-1.938	0.00	2.422	0.00	Default
154	LL Surcharge Right	0.00	0.00	-1.938	0.00	2.422	0.00	Default
256	LL Surcharge Right	0.00	0.00	-1.938	0.00	2.422	0.00	Default
53	Self Weight	0.00	0.00	-0.094	0.00	-0.117	0.00	Default
54	Self Weight	0.00	0.00	-0.094	0.00	0.117	0.00	Default
153	Self Weight	0.00	0.00	-0.094	0.00	-0.117	0.00	Default
154	Self Weight	0.00	0.00	-0.094	0.00	0.117	0.00	Default
255	Self Weight	0.00	0.00	-0.094	0.00	-0.117	0.00	Default
256	Self Weight	0.00	0.00	-0.094	0.00	0.117	0.00	Default
53	Vertical Earth Pressure	0.00	0.00	-1.857	0.00	-2.321	0.00	Default
54	Vertical Earth Pressure	0.00	0.00	-1.857	0.00	2.321	0.00	Default
153	Vertical Earth Pressure	0.00	0.00	-5.732	0.00	-7.165	0.00	Default
154	Vertical Earth Pressure	0.00	0.00	-5.732	0.00	7.165	0.00	Default
255	Vertical Earth Pressure	0.00	0.00	-2.947	0.00	-3.683	0.00	Default
256	Vertical Earth Pressure	0.00	0.00	-2.947	0.00	3.683	0.00	Default
53	Wearing Surface	0.00	0.00	-0.723	0.00	-0.904	0.00	Default
54	Wearing Surface	0.00	0.00	-0.723	0.00	0.904	0.00	Default
153	Wearing Surface	0.00	0.00	-0.723	0.00	-0.904	0.00	Default
154	Wearing Surface	0.00	0.00	-0.723	0.00	0.904	0.00	Default
255	Wearing Surface	0.00	0.00	-0.723	0.00	-0.904	0.00	Default
256	Wearing Surface	0.00	0.00	-0.723	0.00	0.904	0.00	Default

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Element	BM LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. Di	Use	Dist-I(f	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
1	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.679	1.620	0.00	0.00	kips	0.0	0.0	0.0	D
2	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.62	-1.67	0.00	0.00	kips	0.0	0.0	0.0	D
3	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.620	1.561	0.00	0.00	kips	0.0	0.0	0.0	D
4	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.56	-1.62	0.00	0.00	kips	0.0	0.0	0.0	D
5	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.561	1.503	0.00	0.00	kips	0.0	0.0	0.0	D
6	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.50	-1.56	0.00	0.00	kips	0.0	0.0	0.0	D
7	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.503	1.444	0.00	0.00	kips	0.0	0.0	0.0	D
8	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.44	-1.50	0.00	0.00	kips	0.0	0.0	0.0	D
9	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.444	1.385	0.00	0.00	kips	0.0	0.0	0.0	D
10	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.38	-1.44	0.00	0.00	kips	0.0	0.0	0.0	D
11	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.385	1.326	0.00	0.00	kips	0.0	0.0	0.0	D
12	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.32	-1.38	0.00	0.00	kips	0.0	0.0	0.0	D
13	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.326	1.268	0.00	0.00	kips	0.0	0.0	0.0	D
14	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.26	-1.32	0.00	0.00	kips	0.0	0.0	0.0	D
15	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.268	1.209	0.00	0.00	kips	0.0	0.0	0.0	D
16	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.20	-1.26	0.00	0.00	kips	0.0	0.0	0.0	D
17	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.209	1.150	0.00	0.00	kips	0.0	0.0	0.0	D
18	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.15	-1.20	0.00	0.00	kips	0.0	0.0	0.0	D

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Element	BM LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. Di	Use	Dist-I(f	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
110	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.64	-1.70	0.00	0.00	kips	0.0	0.0	0.0	D
111	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.646	1.587	0.00	0.00	kips	0.0	0.0	0.0	D
112	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.58	-1.64	0.00	0.00	kips	0.0	0.0	0.0	D
113	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.587	1.529	0.00	0.00	kips	0.0	0.0	0.0	D
114	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.52	-1.58	0.00	0.00	kips	0.0	0.0	0.0	D
115	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.529	1.470	0.00	0.00	kips	0.0	0.0	0.0	D
116	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.47	-1.52	0.00	0.00	kips	0.0	0.0	0.0	D
117	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.470	1.411	0.00	0.00	kips	0.0	0.0	0.0	D
118	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.41	-1.47	0.00	0.00	kips	0.0	0.0	0.0	D
119	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.411	1.352	0.00	0.00	kips	0.0	0.0	0.0	D
120	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.35	-1.41	0.00	0.00	kips	0.0	0.0	0.0	D
121	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.352	1.294	0.00	0.00	kips	0.0	0.0	0.0	D
122	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.29	-1.35	0.00	0.00	kips	0.0	0.0	0.0	D
123	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.294	1.235	0.00	0.00	kips	0.0	0.0	0.0	D
124	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.23	-1.29	0.00	0.00	kips	0.0	0.0	0.0	D
125	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.235	1.176	0.00	0.00	kips	0.0	0.0	0.0	D
126	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.17	-1.23	0.00	0.00	kips	0.0	0.0	0.0	D
127	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.176	1.117	0.00	0.00	kips	0.0</			

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Element	BM LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. Di	Use	Dist-I(f	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
219	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.268	1.209	0.00	0.00	kips	0.0	0.0	0.0	D
220	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.20	-1.26	0.00	0.00	kips	0.0	0.0	0.0	D
221	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.209	1.151	0.00	0.00	kips	0.0	0.0	0.0	D
222	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.15	-1.20	0.00	0.00	kips	0.0	0.0	0.0	D
223	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.151	1.092	0.00	0.00	kips	0.0	0.0	0.0	D
224	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.09	-1.15	0.00	0.00	kips	0.0	0.0	0.0	D
225	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.092	1.033	0.00	0.00	kips	0.0	0.0	0.0	D
226	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-1.03	-1.09	0.00	0.00	kips	0.0	0.0	0.0	D
227	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	1.033	0.974	0.00	0.00	kips	0.0	0.0	0.0	D
228	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.97	-1.03	0.00	0.00	kips	0.0	0.0	0.0	D
229	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	0.974	0.916	0.00	0.00	kips	0.0	0.0	0.0	D
230	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.91	-0.97	0.00	0.00	kips	0.0	0.0	0.0	D
231	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	0.916	0.857	0.00	0.00	kips	0.0	0.0	0.0	D
232	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.85	-0.91	0.00	0.00	kips	0.0	0.0	0.0	D
233	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	0.857	0.798	0.00	0.00	kips	0.0	0.0	0.0	D
234	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.79	-0.85	0.00	0.00	kips	0.0	0.0	0.0	D
235	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	0.798	0.739	0.00	0.00	kips	0.0	0.0	0.0	D
236	Line Load	Lateral Earth Pressure	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.73	-0.79	0.00	0.00	kips	0.0</			

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Element	BM LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. Di	Use	Dist-I(f	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
180	Line Load	Median Rail	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
181	Line Load	Median Rail	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
182	Line Load	Median Rail	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
55	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	0.000	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
56	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
57	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
58	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
59	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.	0.0	D
60	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.01	0.00	0.00	kips	0.0	0.	0.0	D
61	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.	0.0	D
62	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.	0.0	D
63	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.	0.0	D
64	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.	0.0	D
65	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.02	0.00	0.00	kips	0.0	0.	0.0	D
66	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.	0.0	D
67	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.	0.0	D
68	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.	0.0	D
69	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.	0.0	D
70	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N																		

PROJECT TITLE : Brewer-I395 over MCRR


		Company	Hoyle, Tanner and Associates, Inc.											Client		MaineDOT												
		Author	KMH											File		Brewer-I395 over MCRR.mcb												
Element	BM LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. Di	Use	Dist-I(f	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
261	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.00	0.00	0.00	kips	0.0	0.0	0.0	D
262	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.00	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
263	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
264	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
265	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
266	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
267	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.02	0.00	0.00	kips	0.0	0.0	0.0	D
268	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.0	0.0	D
269	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.0	0.0	D
270	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.0	0.0	D
271	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.0	0.0	D
272	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.0	0.0	D
273	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.02	0.00	0.00	kips	0.0	0.0	0.0	D
274	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.02	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
275	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
276	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
277	Line Load	Overlay	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.01	-0.01	0.00	0.00	kips	0.0	0.0	0.0	D
278	Line Load	Overlay	D																									

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Element	BM LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. Di	Use	Dist-I(f)	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
166	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
167	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
168	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
169	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
170	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
171	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
172	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
173	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
174	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
175	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
176	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
177	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
178	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
179	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
180	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
181	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
182	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.68	-0.68	0.00	0.00	kips	0.0	0.	0.0	D
257	Line Load	Vertical Earth Pressur	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.30	-0.30	0.00	0.00	kips	0.0	0.	0.0	D
258																												

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


	Elem	BM LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. DI	Use	Dist-I(f)	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
	73	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	74	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	75	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	76	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	77	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	78	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	79	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	80	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	81	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	82	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	155	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	156	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	157	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	158	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	159	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	160	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	161	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	162	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	163	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	164	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	165	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	166	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	167	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	168	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	169	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	170	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	171	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	172	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	173	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	174	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	175	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	176	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	177	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	178	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	179	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	180	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	181	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	182	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	257	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	258	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	259	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	260	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	261	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	262	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	263	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	264	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	265	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	266	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	267	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	268	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	269	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	270	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	271	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	272	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	273	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
	274	Line Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0									

PROJECT TITLE : Brewer-I395 over MCRR

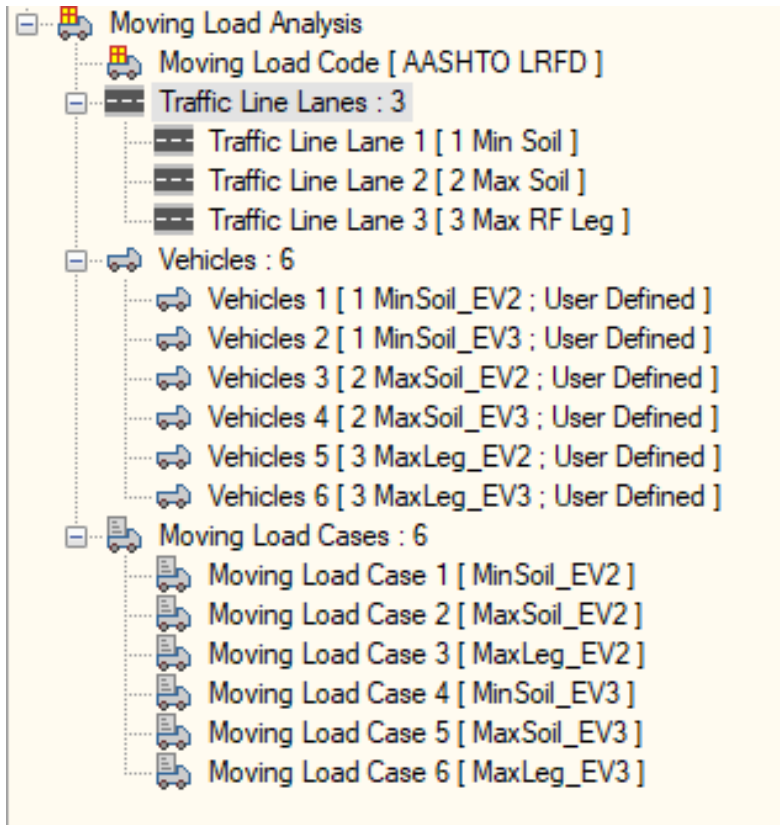
	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Element	BM	LD Ty	Load Case	Load Type	Ecc.	Ecc. Typ	Ecc. Di	Use	Dist-I(f	Dist-J	Add.	Add. Us	Add. Dist I	Add. Dist J	Directio	Projecti	D1	D2	D3	D4	P1	P2	P3	P4	Unit	Dx	Dy	Dz	Group
282	Line	Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
283	Line	Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D
284	Line	Load	Wearing Surface	Distributed Forc	N	Cent	Lo	N	0.00	0.00	N	No	0.00	0.00	Glo	No	0.0	1.0	0.0	0.0	-0.09	-0.09	0.00	0.00	kips	0.0	0.	0.0	D

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

All LL Input from Tree Menu

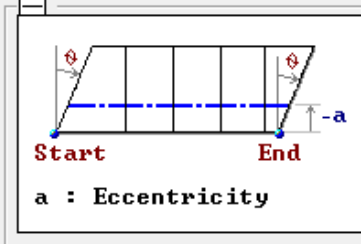


Example Traffic Line Lane Definition

Traffic Line Lanes

Lane Name :

Traffic Lane Properties



a : Eccentricity

Lane Width : ft

Eccentricity : ft

Wheel Spacing: ft

☐ Transverse Lane Optimization

Allowable Width ft

Vehicular Load Distribution

☒ Lane Element ☐ Cross Beam

Cross Beam Group

Skew

Start End [deg]

Moving Direction

☐ Forward ☐ Backward ☒ Both

Selection by


☒ 2 Points ☐ Picking ☐ Number

ft

ft

Operations

No	Elem	Eccen. (ft)	Span Start
1	55	0	<input type="checkbox"/>
2	56	0	<input type="checkbox"/>
3	57	0	<input type="checkbox"/>

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Example Vehicle Definition

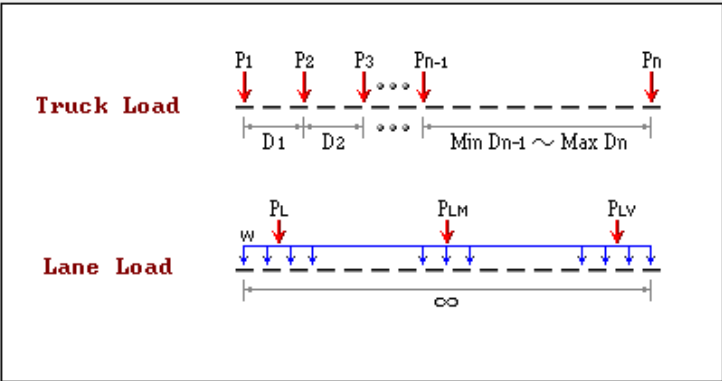
Define User Defined Vehicular Load

Load Type

- ☒ Truck/Lane
- ☐ Legal/Permit Load
- ☐ Train Load
- ☐ Permit Truck

Vehicular Load Properties

Vehicular Load Name :



Truck Load

P#	D#	
<input type="text"/>	<input type="text"/>	
Add		
No	Load(kips)	Spacing
1	1.501	0.1
2	3.002	0.1
3	3.002	0.1
<		>

Lane Load

w kips/ft

PL kips

PLM kips

PLV kips

OK

Cancel

Apply

Example Moving Load Case

Define Moving Load Case

Load Case Name :

Description :

☐ Load Case for Permit Vehicle

☐ Moving Load Optimization

☐ Multiple Presence Factor

Num of Loaded Lanes	Scale Factor
1	<input type="text" value="1"/>
2	<input type="text" value="0.01"/>
3	<input type="text" value="0.01"/>
> 3	<input type="text" value="0.01"/>

Sub-Load Cases

Loading Effect

☐ Combined ☒ Independent

Vehicle class	Scale	Lane 1
VL: 1 MinSoil_EV2	0.091	1 Min Soil

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Add Modify Delete

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**Maximum Shear with
Concurrent Moment**

Hoyle, Tanner Project No. 923402.06
City of Brewer
Interstate 395 & Two Ramps over MCRR
MaineDOT Bridge No. 1559
EV Load Rating Calculations

Midas Results - Top Slab Corner, Min. Soil

	Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
►	57	gLCB22(min)	[57]	Shear-z	-1.09	0.00	-11.38	0.00	-10.31	0.00
	57	gLCB21(min)	[57]	Shear-z	-1.01	0.00	-11.20	0.00	-8.61	0.00
	57	gLCB24(min)	[57]	Shear-z	-1.17	0.00	-11.20	0.00	-7.89	0.00
	57	gLCB23(min)	[57]	Shear-z	-1.09	0.00	-11.02	0.00	-6.19	0.00
	57	gLCB18(min)	[57]	Shear-z	-0.72	0.00	-7.81	0.00	-7.86	0.00
	57	gLCB17(min)	[57]	Shear-z	-0.64	0.00	-7.64	0.00	-6.16	0.00
	57	gLCB20(min)	[57]	Shear-z	-0.80	0.00	-7.64	0.00	-5.44	0.00
	57	gLCB19(min)	[57]	Shear-z	-0.72	0.00	-7.46	0.00	-3.73	0.00
	57	gLCB3	[57]	Shear-z	-5.55	0.00	-7.13	0.00	-22.90	0.00
	57	gLCB1	[57]	Shear-z	-13.22	0.00	-7.13	0.00	-32.76	0.00
	57	gLCB2	[57]	Shear-z	-13.12	0.00	-6.31	0.00	-30.76	0.00
	57	gLCB4	[57]	Shear-z	-5.44	0.00	-6.31	0.00	-20.89	0.00
	57	gLCB9	[57]	Shear-z	-13.09	0.00	-6.27	0.00	-30.73	0.00
	57	gLCB11	[57]	Shear-z	-5.41	0.00	-6.27	0.00	-20.87	0.00
	57	gLCB7	[57]	Shear-z	-5.42	0.00	-6.22	0.00	-20.73	0.00
	57	gLCB5	[57]	Shear-z	-13.09	0.00	-6.22	0.00	-30.59	0.00
	57	gLCB12	[57]	Shear-z	-5.30	0.00	-5.45	0.00	-18.86	0.00
	57	gLCB10	[57]	Shear-z	-12.98	0.00	-5.45	0.00	-28.72	0.00
	57	gLCB8	[57]	Shear-z	-5.31	0.00	-5.40	0.00	-18.72	0.00
	57	gLCB6	[57]	Shear-z	-12.99	0.00	-5.40	0.00	-28.59	0.00
	57	gLCB13	[57]	Shear-z	-12.96	0.00	-5.36	0.00	-28.56	0.00
	57	gLCB15	[57]	Shear-z	-5.28	0.00	-5.36	0.00	-18.70	0.00
	57	gLCB14	[57]	Shear-z	-12.85	0.00	-4.54	0.00	-26.56	0.00
	57	gLCB16	[57]	Shear-z	-5.17	0.00	-4.54	0.00	-16.69	0.00
	57	gLCB22(max)	[57]	Shear-z	-0.00	0.00	0.02	0.00	0.42	0.00
	57	gLCB18(max)	[57]	Shear-z	-0.01	0.00	0.04	0.00	0.65	0.00
	57	gLCB21(max)	[57]	Shear-z	0.08	0.00	0.20	0.00	2.12	0.00
	57	gLCB24(max)	[57]	Shear-z	-0.08	0.00	0.20	0.00	2.84	0.00
	57	gLCB20(max)	[57]	Shear-z	-0.09	0.00	0.22	0.00	3.07	0.00
	57	gLCB17(max)	[57]	Shear-z	0.07	0.00	0.22	0.00	2.35	0.00
	57	gLCB23(max)	[57]	Shear-z	-0.00	0.00	0.38	0.00	4.55	0.00
	57	gLCB19(max)	[57]	Shear-z	-0.01	0.00	0.39	0.00	4.78	0.00

Governing
Load Case for:
LL EV3

LL EV2

DL

Midas Results - Wall Top, Min. Soil

	Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
►	49	gLCB1	2/4	Shear-z	-13.57	0.00	-12.83	0.00	23.04	0.00
	49	gLCB2	2/4	Shear-z	-11.78	0.00	-12.73	0.00	20.46	0.00
	49	gLCB5	2/4	Shear-z	-11.89	0.00	-12.70	0.00	19.86	0.00
	49	gLCB9	2/4	Shear-z	-12.11	0.00	-12.70	0.00	19.73	0.00
	49	gLCB6	2/4	Shear-z	-10.10	0.00	-12.60	0.00	17.28	0.00
	49	gLCB10	2/4	Shear-z	-10.32	0.00	-12.59	0.00	17.15	0.00
	49	gLCB13	2/4	Shear-z	-10.43	0.00	-12.57	0.00	16.54	0.00
	49	gLCB14	2/4	Shear-z	-8.64	0.00	-12.46	0.00	13.96	0.00
	49	gLCB3	2/4	Shear-z	-13.57	0.00	-5.40	0.00	24.40	0.00
	49	gLCB4	2/4	Shear-z	-11.78	0.00	-5.30	0.00	21.82	0.00
	49	gLCB7	2/4	Shear-z	-11.89	0.00	-5.27	0.00	21.21	0.00
	49	gLCB11	2/4	Shear-z	-12.11	0.00	-5.27	0.00	21.08	0.00
	49	gLCB8	2/4	Shear-z	-10.10	0.00	-5.17	0.00	18.63	0.00
	49	gLCB12	2/4	Shear-z	-10.32	0.00	-5.16	0.00	18.50	0.00
	49	gLCB15	2/4	Shear-z	-10.43	0.00	-5.14	0.00	17.90	0.00
	49	gLCB16	2/4	Shear-z	-8.64	0.00	-5.03	0.00	15.32	0.00
	49	gLCB24(min)	2/4	Shear-z	-6.35	0.00	-1.35	0.00	33.18	0.00
	49	gLCB23(min)	2/4	Shear-z	-6.17	0.00	-1.27	0.00	31.23	0.00
	49	gLCB22(min)	2/4	Shear-z	-10.41	0.00	-1.27	0.00	31.23	0.00
	49	gLCB21(min)	2/4	Shear-z	-10.23	0.00	-1.20	0.00	29.29	0.00
	49	gLCB20(min)	2/4	Shear-z	-5.89	0.00	-0.91	0.00	22.29	0.00
	49	gLCB19(min)	2/4	Shear-z	-5.71	0.00	-0.83	0.00	20.34	0.00
	49	gLCB18(min)	2/4	Shear-z	-9.95	0.00	-0.83	0.00	20.34	0.00
	49	gLCB17(min)	2/4	Shear-z	-9.77	0.00	-0.75	0.00	18.40	0.00
	49	gLCB24(max)	2/4	Shear-z	0.00	0.00	0.00	0.00	0.00	0.00
	49	gLCB20(max)	2/4	Shear-z	0.00	0.00	0.00	0.00	0.00	0.00
	49	gLCB19(max)	2/4	Shear-z	0.18	0.00	0.08	0.00	-1.94	0.00
	49	gLCB23(max)	2/4	Shear-z	0.18	0.00	0.08	0.00	-1.94	0.00
	49	gLCB18(max)	2/4	Shear-z	-4.06	0.00	0.08	0.00	-1.94	0.00
	49	gLCB22(max)	2/4	Shear-z	-4.06	0.00	0.08	0.00	-1.94	0.00
	49	gLCB21(max)	2/4	Shear-z	-3.88	0.00	0.16	0.00	-3.89	0.00
	49	gLCB17(max)	2/4	Shear-z	-3.88	0.00	0.16	0.00	-3.89	0.00

Hoyle, Tanner Project No. 923402.06
City of Brewer
Interstate 395 & Two Ramps over MCRR
MaineDOT Bridge No. 1559
EV Load Rating Calculations

Midas Results - Top Slab Corner, Max. Soil

	Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
	157	gLCB1	[(157]	Shear-z	-19.11	0.00	-15.35	0.00	-57.64	0.00
	157	gLCB3	[(157]	Shear-z	-8.45	0.00	-15.35	0.00	-44.32	0.00
	157	gLCB11	[(157]	Shear-z	-8.31	0.00	-14.46	0.00	-42.23	0.00
	157	gLCB9	[(157]	Shear-z	-18.98	0.00	-14.46	0.00	-55.54	0.00
	157	gLCB5	[(157]	Shear-z	-18.99	0.00	-14.44	0.00	-55.48	0.00
	157	gLCB7	[(157]	Shear-z	-8.32	0.00	-14.44	0.00	-42.16	0.00
	157	gLCB13	[(157]	Shear-z	-18.85	0.00	-13.55	0.00	-53.38	0.00
	157	gLCB15	[(157]	Shear-z	-8.18	0.00	-13.55	0.00	-40.07	0.00
	157	gLCB4	[(157]	Shear-z	-7.96	0.00	-11.83	0.00	-35.92	0.00
	157	gLCB2	[(157]	Shear-z	-18.63	0.00	-11.83	0.00	-49.24	0.00
	157	gLCB12	[(157]	Shear-z	-7.82	0.00	-10.94	0.00	-33.83	0.00
	157	gLCB10	[(157]	Shear-z	-18.49	0.00	-10.94	0.00	-47.14	0.00
	157	gLCB6	[(157]	Shear-z	-18.50	0.00	-10.92	0.00	-47.08	0.00
	157	gLCB8	[(157]	Shear-z	-7.84	0.00	-10.92	0.00	-33.76	0.00
	157	gLCB16	[(157]	Shear-z	-7.70	0.00	-10.03	0.00	-31.67	0.00
	157	gLCB14	[(157]	Shear-z	-18.36	0.00	-10.03	0.00	-44.98	0.00
	157	gLCB22(min)	[(157]	Shear-z	-0.62	0.00	-6.19	0.00	-8.86	0.00
	157	gLCB21(min)	[(157]	Shear-z	-0.54	0.00	-6.01	0.00	-7.16	0.00
	157	gLCB24(min)	[(157]	Shear-z	-0.70	0.00	-6.01	0.00	-6.43	0.00
	157	gLCB23(min)	[(157]	Shear-z	-0.62	0.00	-5.83	0.00	-4.73	0.00
	157	gLCB18(min)	[(157]	Shear-z	-0.44	0.00	-4.25	0.00	-7.86	0.00
	157	gLCB20(min)	[(157]	Shear-z	-0.51	0.00	-4.07	0.00	-5.43	0.00
	157	gLCB17(min)	[(157]	Shear-z	-0.36	0.00	-4.07	0.00	-6.16	0.00
	157	gLCB19(min)	[(157]	Shear-z	-0.44	0.00	-3.89	0.00	-3.73	0.00
	157	gLCB18(max)	[(157]	Shear-z	0.05	0.00	-0.12	0.00	-1.53	0.00
	157	gLCB22(max)	[(157]	Shear-z	0.04	0.00	-0.09	0.00	-1.15	0.00
	157	gLCB20(max)	[(157]	Shear-z	-0.03	0.00	0.06	0.00	0.90	0.00
	157	gLCB17(max)	[(157]	Shear-z	0.13	0.00	0.06	0.00	0.17	0.00
	157	gLCB21(max)	[(157]	Shear-z	0.12	0.00	0.09	0.00	0.55	0.00
	157	gLCB24(max)	[(157]	Shear-z	-0.04	0.00	0.09	0.00	1.28	0.00
	157	gLCB19(max)	[(157]	Shear-z	0.05	0.00	0.24	0.00	2.60	0.00
	157	gLCB23(max)	[(157]	Shear-z	0.04	0.00	0.27	0.00	2.97	0.00

Midas Results - Wall Top, Max. Soil

	Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
	149	gLCB1	2/4	Shear-z	-28.62	0.00	-17.96	0.00	42.72	0.00
	149	gLCB5	2/4	Shear-z	-26.94	0.00	-17.83	0.00	39.59	0.00
	149	gLCB9	2/4	Shear-z	-27.08	0.00	-17.82	0.00	39.34	0.00
	149	gLCB13	2/4	Shear-z	-25.39	0.00	-17.69	0.00	36.21	0.00
	149	gLCB2	2/4	Shear-z	-21.91	0.00	-17.47	0.00	30.83	0.00
	149	gLCB6	2/4	Shear-z	-20.23	0.00	-17.34	0.00	27.71	0.00
	149	gLCB10	2/4	Shear-z	-20.37	0.00	-17.33	0.00	27.45	0.00
	149	gLCB14	2/4	Shear-z	-18.68	0.00	-17.21	0.00	24.33	0.00
	149	gLCB3	2/4	Shear-z	-28.62	0.00	-8.02	0.00	49.34	0.00
	149	gLCB7	2/4	Shear-z	-26.94	0.00	-7.89	0.00	46.22	0.00
	149	gLCB11	2/4	Shear-z	-27.08	0.00	-7.88	0.00	45.96	0.00
	149	gLCB15	2/4	Shear-z	-25.39	0.00	-7.75	0.00	42.84	0.00
	149	gLCB4	2/4	Shear-z	-21.91	0.00	-7.53	0.00	37.46	0.00
	149	gLCB8	2/4	Shear-z	-20.23	0.00	-7.41	0.00	34.34	0.00
	149	gLCB12	2/4	Shear-z	-20.37	0.00	-7.40	0.00	34.08	0.00
	149	gLCB16	2/4	Shear-z	-18.68	0.00	-7.27	0.00	30.96	0.00
	149	gLCB24(min)	2/4	Shear-z	-4.35	0.00	-0.78	0.00	19.09	0.00
	149	gLCB23(min)	2/4	Shear-z	-4.17	0.00	-0.70	0.00	17.18	0.00
	149	gLCB22(min)	2/4	Shear-z	-8.41	0.00	-0.70	0.00	17.18	0.00
	149	gLCB21(min)	2/4	Shear-z	-8.23	0.00	-0.62	0.00	15.27	0.00
	149	gLCB20(min)	2/4	Shear-z	-3.51	0.00	-0.53	0.00	13.04	0.00
	149	gLCB19(min)	2/4	Shear-z	-3.33	0.00	-0.45	0.00	11.13	0.00
	149	gLCB18(min)	2/4	Shear-z	-7.57	0.00	-0.45	0.00	11.13	0.00
	149	gLCB17(min)	2/4	Shear-z	-7.39	0.00	-0.38	0.00	9.23	0.00
	149	gLCB24(max)	2/4	Shear-z	0.00	0.00	0.00	0.00	0.00	0.00
	149	gLCB20(max)	2/4	Shear-z	0.00	0.00	0.00	0.00	0.00	0.00
	149	gLCB19(max)	2/4	Shear-z	0.18	0.00	0.08	0.00	-1.91	0.00
	149	gLCB23(max)	2/4	Shear-z	0.18	0.00	0.08	0.00	-1.91	0.00
	149	gLCB18(max)	2/4	Shear-z	-4.06	0.00	0.08	0.00	-1.91	0.00
	149	gLCB22(max)	2/4	Shear-z	-4.06	0.00	0.08	0.00	-1.91	0.00
	149	gLCB21(max)	2/4	Shear-z	-3.88	0.00	0.16	0.00	-3.81	0.00
	149	gLCB17(max)	2/4	Shear-z	-3.88	0.00	0.16	0.00	-3.81	0.00

Hoyle, Tanner Project No. 923402.06
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MaineDOT Bridge No. 1559
EV Load Rating Calculations


Midas Results - Top Slab Corner, Max. Frame Leg

	Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
	259	gLCB3	[259]	Shear-z	-6.56	0.00	-9.37	0.00	-29.29	0.00
	259	gLCB1	[259]	Shear-z	-15.51	0.00	-9.37	0.00	-41.27	0.00
	259	gLCB22(min)	[259]	Shear-z	-0.89	0.00	-9.28	0.00	-10.27	0.00
	259	gLCB21(min)	[259]	Shear-z	-0.82	0.00	-9.10	0.00	-8.58	0.00
	259	gLCB24(min)	[259]	Shear-z	-0.97	0.00	-9.10	0.00	-7.84	0.00
	259	gLCB23(min)	[259]	Shear-z	-0.89	0.00	-8.92	0.00	-6.14	0.00
	259	gLCB11	[259]	Shear-z	-6.43	0.00	-8.51	0.00	-27.27	0.00
	259	gLCB9	[259]	Shear-z	-15.38	0.00	-8.51	0.00	-39.26	0.00
	259	gLCB7	[259]	Shear-z	-6.44	0.00	-8.46	0.00	-27.13	0.00
	259	gLCB5	[259]	Shear-z	-15.38	0.00	-8.46	0.00	-39.12	0.00
	259	gLCB4	[259]	Shear-z	-6.36	0.00	-7.80	0.00	-25.54	0.00
	259	gLCB2	[259]	Shear-z	-15.30	0.00	-7.80	0.00	-37.52	0.00
	259	gLCB13	[259]	Shear-z	-15.25	0.00	-7.60	0.00	-37.11	0.00
	259	gLCB15	[259]	Shear-z	-6.31	0.00	-7.60	0.00	-25.12	0.00
	259	gLCB12	[259]	Shear-z	-6.23	0.00	-6.94	0.00	-23.52	0.00
	259	gLCB10	[259]	Shear-z	-15.17	0.00	-6.94	0.00	-35.51	0.00
	259	gLCB8	[259]	Shear-z	-6.23	0.00	-6.89	0.00	-23.39	0.00
	259	gLCB6	[259]	Shear-z	-15.18	0.00	-6.89	0.00	-35.37	0.00
	259	gLCB18(min)	[259]	Shear-z	-0.59	0.00	-6.37	0.00	-7.90	0.00
	259	gLCB20(min)	[259]	Shear-z	-0.66	0.00	-6.19	0.00	-5.46	0.00
	259	gLCB17(min)	[259]	Shear-z	-0.51	0.00	-6.19	0.00	-6.21	0.00
	259	gLCB16	[259]	Shear-z	-6.10	0.00	-6.03	0.00	-21.37	0.00
	259	gLCB14	[259]	Shear-z	-15.05	0.00	-6.03	0.00	-33.36	0.00
	259	gLCB19(min)	[259]	Shear-z	-0.59	0.00	-6.01	0.00	-3.77	0.00
	259	gLCB18(max)	[259]	Shear-z	0.02	0.00	-0.05	0.00	-0.51	0.00
	259	gLCB22(max)	[259]	Shear-z	0.02	0.00	-0.03	0.00	-0.23	0.00
	259	gLCB20(max)	[259]	Shear-z	-0.05	0.00	0.13	0.00	1.92	0.00
	259	gLCB17(max)	[259]	Shear-z	0.10	0.00	0.13	0.00	1.18	0.00
	259	gLCB24(max)	[259]	Shear-z	-0.06	0.00	0.15	0.00	2.20	0.00
	259	gLCB21(max)	[259]	Shear-z	0.09	0.00	0.15	0.00	1.46	0.00
	259	gLCB19(max)	[259]	Shear-z	0.02	0.00	0.31	0.00	3.62	0.00
	259	gLCB23(max)	[259]	Shear-z	0.02	0.00	0.33	0.00	3.90	0.00

Midas Results - Wall Top, Max. Frame Leg


	Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
	251	gLCB1	2/4	Shear-z	-17.63	0.00	-15.03	0.00	32.94	0.00
	251	gLCB5	2/4	Shear-z	-15.95	0.00	-14.90	0.00	29.75	0.00
	251	gLCB9	2/4	Shear-z	-16.18	0.00	-14.90	0.00	29.62	0.00
	251	gLCB2	2/4	Shear-z	-14.47	0.00	-14.83	0.00	27.73	0.00
	251	gLCB13	2/4	Shear-z	-14.50	0.00	-14.77	0.00	26.44	0.00
	251	gLCB6	2/4	Shear-z	-12.79	0.00	-14.70	0.00	24.54	0.00
	251	gLCB10	2/4	Shear-z	-13.02	0.00	-14.69	0.00	24.41	0.00
	251	gLCB14	2/4	Shear-z	-11.34	0.00	-14.57	0.00	21.23	0.00
	251	gLCB3	2/4	Shear-z	-17.63	0.00	-6.38	0.00	33.04	0.00
	251	gLCB7	2/4	Shear-z	-15.95	0.00	-6.26	0.00	29.85	0.00
	251	gLCB11	2/4	Shear-z	-16.18	0.00	-6.25	0.00	29.72	0.00
	251	gLCB4	2/4	Shear-z	-14.47	0.00	-6.18	0.00	27.83	0.00
	251	gLCB15	2/4	Shear-z	-14.50	0.00	-6.13	0.00	26.54	0.00
	251	gLCB8	2/4	Shear-z	-12.79	0.00	-6.05	0.00	24.64	0.00
	251	gLCB12	2/4	Shear-z	-13.02	0.00	-6.05	0.00	24.51	0.00
	251	gLCB16	2/4	Shear-z	-11.34	0.00	-5.92	0.00	21.33	0.00
	251	gLCB24(min)	2/4	Shear-z	-5.28	0.00	-1.08	0.00	27.65	0.00
	251	gLCB23(min)	2/4	Shear-z	-5.10	0.00	-1.01	0.00	25.70	0.00
	251	gLCB22(min)	2/4	Shear-z	-9.33	0.00	-1.01	0.00	25.70	0.00
	251	gLCB21(min)	2/4	Shear-z	-9.15	0.00	-0.93	0.00	23.75	0.00
	251	gLCB20(min)	2/4	Shear-z	-4.93	0.00	-0.73	0.00	18.68	0.00
	251	gLCB19(min)	2/4	Shear-z	-4.75	0.00	-0.66	0.00	16.74	0.00
	251	gLCB18(min)	2/4	Shear-z	-8.99	0.00	-0.66	0.00	16.74	0.00
	251	gLCB17(min)	2/4	Shear-z	-8.81	0.00	-0.58	0.00	14.79	0.00
	251	gLCB24(max)	2/4	Shear-z	-1.18	0.00	0.00	0.00	0.00	0.00
	251	gLCB20(max)	2/4	Shear-z	-0.64	0.00	0.00	0.00	0.00	0.00
	251	gLCB19(max)	2/4	Shear-z	-0.46	0.00	0.08	0.00	-1.95	0.00
	251	gLCB23(max)	2/4	Shear-z	-1.00	0.00	0.08	0.00	-1.95	0.00
	251	gLCB18(max)	2/4	Shear-z	-4.69	0.00	0.08	0.00	-1.95	0.00
	251	gLCB22(max)	2/4	Shear-z	-5.24	0.00	0.08	0.00	-1.95	0.00
	251	gLCB21(max)	2/4	Shear-z	-5.06	0.00	0.15	0.00	-3.89	0.00
	251	gLCB17(max)	2/4	Shear-z	-4.51	0.00	0.15	0.00	-3.89	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Component	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
57	gLCB22(min)	2/4	Shear-z	-1.12	0.00	-11.06	0.00	-6.37	0.00
57	gLCB21(min)	2/4	Shear-z	-1.04	0.00	-10.88	0.00	-4.76	0.00
57	gLCB24(min)	2/4	Shear-z	-1.20	0.00	-10.88	0.00	-4.04	0.00
57	gLCB23(min)	2/4	Shear-z	-1.12	0.00	-10.70	0.00	-2.43	0.00
57	gLCB18(min)	2/4	Shear-z	-0.74	0.00	-7.60	0.00	-5.18	0.00
57	gLCB20(min)	2/4	Shear-z	-0.82	0.00	-7.42	0.00	-2.85	0.00
57	gLCB17(min)	2/4	Shear-z	-0.66	0.00	-7.42	0.00	-3.57	0.00
57	gLCB19(min)	2/4	Shear-z	-0.74	0.00	-7.24	0.00	-1.24	0.00
57	gLCB3	2/4	Shear-z	-5.55	0.00	-6.83	0.00	-19.41	0.00
57	gLCB1	2/4	Shear-z	-13.22	0.00	-6.83	0.00	-29.27	0.00
57	gLCB2	2/4	Shear-z	-13.12	0.00	-6.04	0.00	-27.67	0.00
57	gLCB4	2/4	Shear-z	-5.44	0.00	-6.04	0.00	-17.80	0.00
57	gLCB9	2/4	Shear-z	-13.09	0.00	-6.00	0.00	-27.66	0.00
57	gLCB11	2/4	Shear-z	-5.41	0.00	-6.00	0.00	-17.80	0.00
57	gLCB7	2/4	Shear-z	-5.42	0.00	-5.96	0.00	-17.68	0.00
57	gLCB5	2/4	Shear-z	-13.09	0.00	-5.96	0.00	-27.55	0.00
57	gLCB10	2/4	Shear-z	-12.98	0.00	-5.22	0.00	-26.06	0.00
57	gLCB12	2/4	Shear-z	-5.30	0.00	-5.22	0.00	-16.19	0.00
57	gLCB8	2/4	Shear-z	-5.31	0.00	-5.17	0.00	-16.08	0.00
57	gLCB6	2/4	Shear-z	-12.99	0.00	-5.17	0.00	-25.94	0.00
57	gLCB13	2/4	Shear-z	-12.96	0.00	-5.13	0.00	-25.94	0.00
57	gLCB15	2/4	Shear-z	-5.28	0.00	-5.13	0.00	-16.07	0.00
57	gLCB14	2/4	Shear-z	-12.85	0.00	-4.35	0.00	-24.33	0.00
57	gLCB16	2/4	Shear-z	-5.17	0.00	-4.35	0.00	-14.47	0.00
57	gLCB22(max)	2/4	Shear-z	-0.04	0.00	0.12	0.00	1.86	0.00
57	gLCB18(max)	2/4	Shear-z	-0.05	0.00	0.15	0.00	2.20	0.00
57	gLCB21(max)	2/4	Shear-z	0.04	0.00	0.30	0.00	3.47	0.00
57	gLCB24(max)	2/4	Shear-z	-0.12	0.00	0.30	0.00	4.19	0.00
57	gLCB20(max)	2/4	Shear-z	-0.13	0.00	0.33	0.00	4.53	0.00
57	gLCB17(max)	2/4	Shear-z	0.03	0.00	0.33	0.00	3.81	0.00
57	gLCB23(max)	2/4	Shear-z	-0.04	0.00	0.48	0.00	5.81	0.00
57	gLCB19(max)	2/4	Shear-z	-0.05	0.00	0.50	0.00	6.15	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	Wall, Min. Soil, Max DL Pu
1	gLCB1	I[1]	-22.76	0.00	18.89	0.00	0.00	0.00	
1	gLCB2	I[1]	-20.97	0.00	18.99	0.00	0.00	0.00	
1	gLCB3	I[1]	-22.76	0.00	6.35	0.00	0.00	0.00	
1	gLCB4	I[1]	-20.97	0.00	6.45	0.00	0.00	0.00	
1	gLCB5	I[1]	-21.08	0.00	19.02	0.00	0.00	0.00	
1	gLCB6	I[1]	-19.28	0.00	19.12	0.00	0.00	0.00	
1	gLCB7	I[1]	-21.08	0.00	6.48	0.00	0.00	0.00	
1	gLCB8	I[1]	-19.28	0.00	6.58	0.00	0.00	0.00	
1	gLCB9	I[1]	-18.73	0.00	19.02	0.00	0.00	0.00	
1	gLCB10	I[1]	-16.93	0.00	19.13	0.00	0.00	0.00	
1	gLCB11	I[1]	-18.73	0.00	6.48	0.00	0.00	0.00	
1	gLCB12	I[1]	-16.93	0.00	6.59	0.00	0.00	0.00	
1	gLCB13	I[1]	-17.05	0.00	19.15	0.00	0.00	0.00	
1	gLCB14	I[1]	-15.25	0.00	19.26	0.00	0.00	0.00	
1	gLCB15	I[1]	-17.05	0.00	6.61	0.00	0.00	0.00	
1	gLCB16	I[1]	-15.25	0.00	6.72	0.00	0.00	0.00	
1	gLCB17(max)	I[1]	-3.88	0.00	0.16	0.00	0.00	0.00	
1	gLCB18(max)	I[1]	-4.06	0.00	0.08	0.00	0.00	0.00	
1	gLCB19(max)	I[1]	0.18	0.00	0.08	0.00	0.00	0.00	
1	gLCB20(max)	I[1]	0.00	0.00	0.00	0.00	0.00	0.00	
1	gLCB21(max)	I[1]	-3.88	0.00	0.16	0.00	0.00	0.00	
1	gLCB22(max)	I[1]	-4.06	0.00	0.08	0.00	0.00	0.00	
1	gLCB23(max)	I[1]	0.18	0.00	0.08	0.00	0.00	0.00	
1	gLCB24(max)	I[1]	0.00	0.00	0.00	0.00	0.00	0.00	
1	gLCB17(min)	I[1]	-12.38	0.00	-0.75	0.00	0.00	0.00	
1	gLCB18(min)	I[1]	-12.56	0.00	-0.83	0.00	0.00	0.00	
1	gLCB19(min)	I[1]	-8.33	0.00	-0.83	0.00	0.00	0.00	
1	gLCB20(min)	I[1]	-8.51	0.00	-0.91	0.00	0.00	0.00	
1	gLCB21(min)	I[1]	-16.38	0.00	-1.20	0.00	0.00	0.00	
1	gLCB22(min)	I[1]	-16.56	0.00	-1.27	0.00	0.00	0.00	
1	gLCB23(min)	I[1]	-12.33	0.00	-1.27	0.00	0.00	0.00	
1	gLCB24(min)	I[1]	-12.51	0.00	-1.35	0.00	0.00	0.00	
2	gLCB1	I[4]	-22.39	0.00	16.66	0.00	17.77	0.00	
2	gLCB2	I[4]	-20.59	0.00	16.77	0.00	17.87	0.00	
2	gLCB3	I[4]	-22.39	0.00	5.52	0.00	5.93	0.00	
2	gLCB4	I[4]	-20.59	0.00	5.63	0.00	6.04	0.00	
2	gLCB5	I[4]	-20.70	0.00	16.79	0.00	17.90	0.00	
2	gLCB6	I[4]	-18.91	0.00	16.90	0.00	18.00	0.00	
2	gLCB7	I[4]	-20.70	0.00	5.65	0.00	6.06	0.00	
2	gLCB8	I[4]	-18.91	0.00	5.76	0.00	6.17	0.00	
2	gLCB9	I[4]	-18.46	0.00	16.80	0.00	17.90	0.00	
2	gLCB10	I[4]	-16.66	0.00	16.90	0.00	18.01	0.00	
2	gLCB11	I[4]	-18.46	0.00	5.66	0.00	6.07	0.00	
2	gLCB12	I[4]	-16.66	0.00	5.76	0.00	6.17	0.00	
2	gLCB13	I[4]	-16.78	0.00	16.93	0.00	18.03	0.00	
2	gLCB14	I[4]	-14.98	0.00	17.03	0.00	18.14	0.00	
2	gLCB15	I[4]	-16.78	0.00	5.79	0.00	6.20	0.00	
2	gLCB16	I[4]	-14.98	0.00	5.89	0.00	6.30	0.00	
2	gLCB17(max)	I[4]	-3.88	0.00	0.16	0.00	0.16	0.00	
2	gLCB18(max)	I[4]	0.18	0.00	0.08	0.00	0.08	0.00	
2	gLCB19(max)	I[4]	-4.06	0.00	0.08	0.00	0.08	0.00	
2	gLCB20(max)	I[4]	0.00	0.00	0.00	0.00	0.00	0.00	
2	gLCB21(max)	I[4]	-3.88	0.00	0.16	0.00	0.16	0.00	
2	gLCB22(max)	I[4]	0.18	0.00	0.08	0.00	0.08	0.00	
2	gLCB23(max)	I[4]	-4.06	0.00	0.08	0.00	0.08	0.00	
2	gLCB24(max)	I[4]	0.00	0.00	0.00	0.00	0.00	0.00	

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
2	gLCB17(min)	I[4]	-12.38	0.00	-0.75	0.00	-0.75	0.00
2	gLCB18(min)	I[4]	-8.33	0.00	-0.83	0.00	-0.83	0.00
2	gLCB19(min)	I[4]	-12.56	0.00	-0.83	0.00	-0.83	0.00
2	gLCB20(min)	I[4]	-8.51	0.00	-0.91	0.00	-0.91	0.00
2	gLCB21(min)	I[4]	-16.38	0.00	-1.20	0.00	-1.20	0.00
2	gLCB22(min)	I[4]	-12.33	0.00	-1.27	0.00	-1.27	0.00
2	gLCB23(min)	I[4]	-16.56	0.00	-1.27	0.00	-1.27	0.00
2	gLCB24(min)	I[4]	-12.51	0.00	-1.35	0.00	-1.35	0.00
3	gLCB1	I[3]	-22.39	0.00	16.66	0.00	-17.77	0.00
3	gLCB2	I[3]	-20.59	0.00	16.77	0.00	-17.87	0.00
3	gLCB3	I[3]	-22.39	0.00	5.52	0.00	-5.93	0.00
3	gLCB4	I[3]	-20.59	0.00	5.63	0.00	-6.04	0.00
3	gLCB5	I[3]	-20.70	0.00	16.79	0.00	-17.90	0.00
3	gLCB6	I[3]	-18.91	0.00	16.90	0.00	-18.00	0.00
3	gLCB7	I[3]	-20.70	0.00	5.65	0.00	-6.06	0.00
3	gLCB8	I[3]	-18.91	0.00	5.76	0.00	-6.17	0.00
3	gLCB9	I[3]	-18.46	0.00	16.80	0.00	-17.90	0.00
3	gLCB10	I[3]	-16.66	0.00	16.90	0.00	-18.01	0.00
3	gLCB11	I[3]	-18.46	0.00	5.66	0.00	-6.07	0.00
3	gLCB12	I[3]	-16.66	0.00	5.76	0.00	-6.17	0.00
3	gLCB13	I[3]	-16.78	0.00	16.93	0.00	-18.03	0.00
3	gLCB14	I[3]	-14.98	0.00	17.03	0.00	-18.14	0.00
3	gLCB15	I[3]	-16.78	0.00	5.79	0.00	-6.20	0.00
3	gLCB16	I[3]	-14.98	0.00	5.89	0.00	-6.30	0.00
3	gLCB17(max)	I[3]	-3.88	0.00	0.16	0.00	0.75	0.00
3	gLCB18(max)	I[3]	-4.06	0.00	0.08	0.00	0.83	0.00
3	gLCB19(max)	I[3]	0.18	0.00	0.08	0.00	0.83	0.00
3	gLCB20(max)	I[3]	0.00	0.00	0.00	0.00	0.91	0.00
3	gLCB21(max)	I[3]	-3.88	0.00	0.16	0.00	1.20	0.00
3	gLCB22(max)	I[3]	-4.06	0.00	0.08	0.00	1.27	0.00
3	gLCB23(max)	I[3]	0.18	0.00	0.08	0.00	1.27	0.00
3	gLCB24(max)	I[3]	0.00	0.00	0.00	0.00	1.35	0.00
3	gLCB17(min)	I[3]	-12.38	0.00	-0.75	0.00	-0.16	0.00
3	gLCB18(min)	I[3]	-12.56	0.00	-0.83	0.00	-0.08	0.00
3	gLCB19(min)	I[3]	-8.33	0.00	-0.83	0.00	-0.08	0.00
3	gLCB20(min)	I[3]	-8.51	0.00	-0.91	0.00	0.00	0.00
3	gLCB21(min)	I[3]	-16.38	0.00	-1.20	0.00	-0.16	0.00
3	gLCB22(min)	I[3]	-16.56	0.00	-1.27	0.00	-0.08	0.00
3	gLCB23(min)	I[3]	-12.33	0.00	-1.27	0.00	-0.08	0.00
3	gLCB24(min)	I[3]	-12.51	0.00	-1.35	0.00	0.00	0.00
4	gLCB1	I[6]	-22.01	0.00	14.51	0.00	33.35	0.00
4	gLCB2	I[6]	-20.22	0.00	14.62	0.00	33.56	0.00
4	gLCB3	I[6]	-22.01	0.00	4.73	0.00	11.06	0.00
4	gLCB4	I[6]	-20.22	0.00	4.83	0.00	11.27	0.00
4	gLCB5	I[6]	-20.33	0.00	14.64	0.00	33.61	0.00
4	gLCB6	I[6]	-18.53	0.00	14.75	0.00	33.82	0.00
4	gLCB7	I[6]	-20.33	0.00	4.86	0.00	11.32	0.00
4	gLCB8	I[6]	-18.53	0.00	4.96	0.00	11.53	0.00
4	gLCB9	I[6]	-18.19	0.00	14.65	0.00	33.62	0.00
4	gLCB10	I[6]	-16.39	0.00	14.75	0.00	33.83	0.00
4	gLCB11	I[6]	-18.19	0.00	4.86	0.00	11.33	0.00
4	gLCB12	I[6]	-16.39	0.00	4.97	0.00	11.54	0.00
4	gLCB13	I[6]	-16.51	0.00	14.78	0.00	33.88	0.00
4	gLCB14	I[6]	-14.71	0.00	14.88	0.00	34.09	0.00
4	gLCB15	I[6]	-16.51	0.00	4.99	0.00	11.59	0.00
4	gLCB16	I[6]	-14.71	0.00	5.10	0.00	11.80	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
4	gLCB17(max)	I[6]	-3.88	0.00	0.16	0.00	0.32	0.00
4	gLCB18(max)	I[6]	0.18	0.00	0.08	0.00	0.16	0.00
4	gLCB19(max)	I[6]	-4.06	0.00	0.08	0.00	0.16	0.00
4	gLCB20(max)	I[6]	0.00	0.00	0.00	0.00	0.00	0.00
4	gLCB21(max)	I[6]	-3.88	0.00	0.16	0.00	0.32	0.00
4	gLCB22(max)	I[6]	0.18	0.00	0.08	0.00	0.16	0.00
4	gLCB23(max)	I[6]	-4.06	0.00	0.08	0.00	0.16	0.00
4	gLCB24(max)	I[6]	0.00	0.00	0.00	0.00	0.00	0.00
4	gLCB17(min)	I[6]	-12.38	0.00	-0.75	0.00	-1.50	0.00
4	gLCB18(min)	I[6]	-8.33	0.00	-0.83	0.00	-1.66	0.00
4	gLCB19(min)	I[6]	-12.56	0.00	-0.83	0.00	-1.66	0.00
4	gLCB20(min)	I[6]	-8.51	0.00	-0.91	0.00	-1.82	0.00
4	gLCB21(min)	I[6]	-16.38	0.00	-1.20	0.00	-2.39	0.00
4	gLCB22(min)	I[6]	-12.33	0.00	-1.27	0.00	-2.55	0.00
4	gLCB23(min)	I[6]	-16.56	0.00	-1.27	0.00	-2.55	0.00
4	gLCB24(min)	I[6]	-12.51	0.00	-1.35	0.00	-2.71	0.00
5	gLCB1	I[5]	-22.01	0.00	14.51	0.00	-33.35	0.00
5	gLCB2	I[5]	-20.22	0.00	14.62	0.00	-33.56	0.00
5	gLCB3	I[5]	-22.01	0.00	4.73	0.00	-11.06	0.00
5	gLCB4	I[5]	-20.22	0.00	4.83	0.00	-11.27	0.00
5	gLCB5	I[5]	-20.33	0.00	14.64	0.00	-33.61	0.00
5	gLCB6	I[5]	-18.53	0.00	14.75	0.00	-33.82	0.00
5	gLCB7	I[5]	-20.33	0.00	4.86	0.00	-11.32	0.00
5	gLCB8	I[5]	-18.53	0.00	4.96	0.00	-11.53	0.00
5	gLCB9	I[5]	-18.19	0.00	14.65	0.00	-33.62	0.00
5	gLCB10	I[5]	-16.39	0.00	14.75	0.00	-33.83	0.00
5	gLCB11	I[5]	-18.19	0.00	4.86	0.00	-11.33	0.00
5	gLCB12	I[5]	-16.39	0.00	4.97	0.00	-11.54	0.00
5	gLCB13	I[5]	-16.51	0.00	14.78	0.00	-33.88	0.00
5	gLCB14	I[5]	-14.71	0.00	14.88	0.00	-34.09	0.00
5	gLCB15	I[5]	-16.51	0.00	4.99	0.00	-11.59	0.00
5	gLCB16	I[5]	-14.71	0.00	5.10	0.00	-11.80	0.00
5	gLCB17(max)	I[5]	-3.88	0.00	0.16	0.00	1.50	0.00
5	gLCB18(max)	I[5]	-4.06	0.00	0.08	0.00	1.66	0.00
5	gLCB19(max)	I[5]	0.18	0.00	0.08	0.00	1.66	0.00
5	gLCB20(max)	I[5]	0.00	0.00	0.00	0.00	1.82	0.00
5	gLCB21(max)	I[5]	-3.88	0.00	0.16	0.00	2.39	0.00
5	gLCB22(max)	I[5]	-4.06	0.00	0.08	0.00	2.55	0.00
5	gLCB23(max)	I[5]	0.18	0.00	0.08	0.00	2.55	0.00
5	gLCB24(max)	I[5]	0.00	0.00	0.00	0.00	2.71	0.00
5	gLCB17(min)	I[5]	-12.38	0.00	-0.75	0.00	-0.32	0.00
5	gLCB18(min)	I[5]	-12.56	0.00	-0.83	0.00	-0.16	0.00
5	gLCB19(min)	I[5]	-8.33	0.00	-0.83	0.00	-0.16	0.00
5	gLCB20(min)	I[5]	-8.51	0.00	-0.91	0.00	0.00	0.00
5	gLCB21(min)	I[5]	-16.38	0.00	-1.20	0.00	-0.32	0.00
5	gLCB22(min)	I[5]	-16.56	0.00	-1.27	0.00	-0.16	0.00
5	gLCB23(min)	I[5]	-12.33	0.00	-1.27	0.00	-0.16	0.00
5	gLCB24(min)	I[5]	-12.51	0.00	-1.35	0.00	0.00	0.00
6	gLCB1	I[8]	-21.64	0.00	12.45	0.00	46.82	0.00
6	gLCB2	I[8]	-19.84	0.00	12.55	0.00	47.14	0.00
6	gLCB3	I[8]	-21.64	0.00	3.96	0.00	15.40	0.00
6	gLCB4	I[8]	-19.84	0.00	4.07	0.00	15.72	0.00
6	gLCB5	I[8]	-19.95	0.00	12.58	0.00	47.21	0.00
6	gLCB6	I[8]	-18.16	0.00	12.68	0.00	47.53	0.00
6	gLCB7	I[8]	-19.95	0.00	4.09	0.00	15.79	0.00
6	gLCB8	I[8]	-18.16	0.00	4.20	0.00	16.11	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
6	gLCB9	I[8]	-17.92	0.00	12.58	0.00	47.23	0.00
6	gLCB10	I[8]	-16.12	0.00	12.69	0.00	47.55	0.00
6	gLCB11	I[8]	-17.92	0.00	4.10	0.00	15.81	0.00
6	gLCB12	I[8]	-16.12	0.00	4.20	0.00	16.12	0.00
6	gLCB13	I[8]	-16.24	0.00	12.71	0.00	47.62	0.00
6	gLCB14	I[8]	-14.44	0.00	12.82	0.00	47.94	0.00
6	gLCB15	I[8]	-16.24	0.00	4.23	0.00	16.20	0.00
6	gLCB16	I[8]	-14.44	0.00	4.33	0.00	16.51	0.00
6	gLCB17(max)	I[8]	-3.88	0.00	0.16	0.00	0.48	0.00
6	gLCB18(max)	I[8]	0.18	0.00	0.08	0.00	0.24	0.00
6	gLCB19(max)	I[8]	-4.06	0.00	0.08	0.00	0.24	0.00
6	gLCB20(max)	I[8]	0.00	0.00	0.00	0.00	0.00	0.00
6	gLCB21(max)	I[8]	-3.88	0.00	0.16	0.00	0.48	0.00
6	gLCB22(max)	I[8]	0.18	0.00	0.08	0.00	0.24	0.00
6	gLCB23(max)	I[8]	-4.06	0.00	0.08	0.00	0.24	0.00
6	gLCB24(max)	I[8]	0.00	0.00	0.00	0.00	0.00	0.00
6	gLCB17(min)	I[8]	-12.38	0.00	-0.75	0.00	-2.25	0.00
6	gLCB18(min)	I[8]	-8.33	0.00	-0.83	0.00	-2.49	0.00
6	gLCB19(min)	I[8]	-12.56	0.00	-0.83	0.00	-2.49	0.00
6	gLCB20(min)	I[8]	-8.51	0.00	-0.91	0.00	-2.73	0.00
6	gLCB21(min)	I[8]	-16.38	0.00	-1.20	0.00	-3.59	0.00
6	gLCB22(min)	I[8]	-12.33	0.00	-1.27	0.00	-3.82	0.00
6	gLCB23(min)	I[8]	-16.56	0.00	-1.27	0.00	-3.82	0.00
6	gLCB24(min)	I[8]	-12.51	0.00	-1.35	0.00	-4.06	0.00
7	gLCB1	I[7]	-21.64	0.00	12.45	0.00	-46.82	0.00
7	gLCB2	I[7]	-19.84	0.00	12.55	0.00	-47.14	0.00
7	gLCB3	I[7]	-21.64	0.00	3.96	0.00	-15.40	0.00
7	gLCB4	I[7]	-19.84	0.00	4.07	0.00	-15.72	0.00
7	gLCB5	I[7]	-19.95	0.00	12.58	0.00	-47.21	0.00
7	gLCB6	I[7]	-18.16	0.00	12.68	0.00	-47.53	0.00
7	gLCB7	I[7]	-19.95	0.00	4.09	0.00	-15.79	0.00
7	gLCB8	I[7]	-18.16	0.00	4.20	0.00	-16.11	0.00
7	gLCB9	I[7]	-17.92	0.00	12.58	0.00	-47.23	0.00
7	gLCB10	I[7]	-16.12	0.00	12.69	0.00	-47.55	0.00
7	gLCB11	I[7]	-17.92	0.00	4.10	0.00	-15.81	0.00
7	gLCB12	I[7]	-16.12	0.00	4.20	0.00	-16.12	0.00
7	gLCB13	I[7]	-16.24	0.00	12.71	0.00	-47.62	0.00
7	gLCB14	I[7]	-14.44	0.00	12.82	0.00	-47.94	0.00
7	gLCB15	I[7]	-16.24	0.00	4.23	0.00	-16.20	0.00
7	gLCB16	I[7]	-14.44	0.00	4.33	0.00	-16.51	0.00
7	gLCB17(max)	I[7]	-3.88	0.00	0.16	0.00	2.25	0.00
7	gLCB18(max)	I[7]	-4.06	0.00	0.08	0.00	2.49	0.00
7	gLCB19(max)	I[7]	0.18	0.00	0.08	0.00	2.49	0.00
7	gLCB20(max)	I[7]	0.00	0.00	0.00	0.00	2.73	0.00
7	gLCB21(max)	I[7]	-3.88	0.00	0.16	0.00	3.59	0.00
7	gLCB22(max)	I[7]	-4.06	0.00	0.08	0.00	3.82	0.00
7	gLCB23(max)	I[7]	0.18	0.00	0.08	0.00	3.82	0.00
7	gLCB24(max)	I[7]	0.00	0.00	0.00	0.00	4.06	0.00
7	gLCB17(min)	I[7]	-12.38	0.00	-0.75	0.00	-0.48	0.00
7	gLCB18(min)	I[7]	-12.56	0.00	-0.83	0.00	-0.24	0.00
7	gLCB19(min)	I[7]	-8.33	0.00	-0.83	0.00	-0.24	0.00
7	gLCB20(min)	I[7]	-8.51	0.00	-0.91	0.00	0.00	0.00
7	gLCB21(min)	I[7]	-16.38	0.00	-1.20	0.00	-0.48	0.00
7	gLCB22(min)	I[7]	-16.56	0.00	-1.27	0.00	-0.24	0.00
7	gLCB23(min)	I[7]	-12.33	0.00	-1.27	0.00	-0.24	0.00
7	gLCB24(min)	I[7]	-12.51	0.00	-1.35	0.00	0.00	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
8	gLCB1	I[10]	-21.26	0.00	10.46	0.00	58.27	0.00
8	gLCB2	I[10]	-19.47	0.00	10.56	0.00	58.69	0.00
8	gLCB3	I[10]	-21.26	0.00	3.23	0.00	18.99	0.00
8	gLCB4	I[10]	-19.47	0.00	3.33	0.00	19.41	0.00
8	gLCB5	I[10]	-19.58	0.00	10.59	0.00	58.79	0.00
8	gLCB6	I[10]	-17.78	0.00	10.69	0.00	59.21	0.00
8	gLCB7	I[10]	-19.58	0.00	3.36	0.00	19.51	0.00
8	gLCB8	I[10]	-17.78	0.00	3.46	0.00	19.93	0.00
8	gLCB9	I[10]	-17.65	0.00	10.59	0.00	58.81	0.00
8	gLCB10	I[10]	-15.85	0.00	10.70	0.00	59.23	0.00
8	gLCB11	I[10]	-17.65	0.00	3.36	0.00	19.53	0.00
8	gLCB12	I[10]	-15.85	0.00	3.47	0.00	19.95	0.00
8	gLCB13	I[10]	-15.97	0.00	10.72	0.00	59.33	0.00
8	gLCB14	I[10]	-14.17	0.00	10.83	0.00	59.75	0.00
8	gLCB15	I[10]	-15.97	0.00	3.49	0.00	20.05	0.00
8	gLCB16	I[10]	-14.17	0.00	3.60	0.00	20.47	0.00
8	gLCB17(max)	I[10]	-3.88	0.00	0.16	0.00	0.64	0.00
8	gLCB18(max)	I[10]	0.18	0.00	0.08	0.00	0.32	0.00
8	gLCB19(max)	I[10]	-4.06	0.00	0.08	0.00	0.32	0.00
8	gLCB20(max)	I[10]	0.00	0.00	0.00	0.00	0.00	0.00
8	gLCB21(max)	I[10]	-3.88	0.00	0.16	0.00	0.64	0.00
8	gLCB22(max)	I[10]	0.18	0.00	0.08	0.00	0.32	0.00
8	gLCB23(max)	I[10]	-4.06	0.00	0.08	0.00	0.32	0.00
8	gLCB24(max)	I[10]	0.00	0.00	0.00	0.00	0.00	0.00
8	gLCB17(min)	I[10]	-12.38	0.00	-0.75	0.00	-3.00	0.00
8	gLCB18(min)	I[10]	-8.33	0.00	-0.83	0.00	-3.32	0.00
8	gLCB19(min)	I[10]	-12.56	0.00	-0.83	0.00	-3.32	0.00
8	gLCB20(min)	I[10]	-8.51	0.00	-0.91	0.00	-3.64	0.00
8	gLCB21(min)	I[10]	-16.38	0.00	-1.20	0.00	-4.78	0.00
8	gLCB22(min)	I[10]	-12.33	0.00	-1.27	0.00	-5.10	0.00
8	gLCB23(min)	I[10]	-16.56	0.00	-1.27	0.00	-5.10	0.00
8	gLCB24(min)	I[10]	-12.51	0.00	-1.35	0.00	-5.42	0.00
9	gLCB1	I[9]	-21.26	0.00	10.46	0.00	-58.27	0.00
9	gLCB2	I[9]	-19.47	0.00	10.56	0.00	-58.69	0.00
9	gLCB3	I[9]	-21.26	0.00	3.23	0.00	-18.99	0.00
9	gLCB4	I[9]	-19.47	0.00	3.33	0.00	-19.41	0.00
9	gLCB5	I[9]	-19.58	0.00	10.59	0.00	-58.79	0.00
9	gLCB6	I[9]	-17.78	0.00	10.69	0.00	-59.21	0.00
9	gLCB7	I[9]	-19.58	0.00	3.36	0.00	-19.51	0.00
9	gLCB8	I[9]	-17.78	0.00	3.46	0.00	-19.93	0.00
9	gLCB9	I[9]	-17.65	0.00	10.59	0.00	-58.81	0.00
9	gLCB10	I[9]	-15.85	0.00	10.70	0.00	-59.23	0.00
9	gLCB11	I[9]	-17.65	0.00	3.36	0.00	-19.53	0.00
9	gLCB12	I[9]	-15.85	0.00	3.47	0.00	-19.95	0.00
9	gLCB13	I[9]	-15.97	0.00	10.72	0.00	-59.33	0.00
9	gLCB14	I[9]	-14.17	0.00	10.83	0.00	-59.75	0.00
9	gLCB15	I[9]	-15.97	0.00	3.49	0.00	-20.05	0.00
9	gLCB16	I[9]	-14.17	0.00	3.60	0.00	-20.47	0.00
9	gLCB17(max)	I[9]	-3.88	0.00	0.16	0.00	3.00	0.00
9	gLCB18(max)	I[9]	-4.06	0.00	0.08	0.00	3.32	0.00
9	gLCB19(max)	I[9]	0.18	0.00	0.08	0.00	3.32	0.00
9	gLCB20(max)	I[9]	0.00	0.00	0.00	0.00	3.64	0.00
9	gLCB21(max)	I[9]	-3.88	0.00	0.16	0.00	4.78	0.00
9	gLCB22(max)	I[9]	-4.06	0.00	0.08	0.00	5.10	0.00
9	gLCB23(max)	I[9]	0.18	0.00	0.08	0.00	5.10	0.00
9	gLCB24(max)	I[9]	0.00	0.00	0.00	0.00	5.42	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
9	gLCB17(min)	I[9]	-12.38	0.00	-0.75	0.00	-0.64	0.00
9	gLCB18(min)	I[9]	-12.56	0.00	-0.83	0.00	-0.32	0.00
9	gLCB19(min)	I[9]	-8.33	0.00	-0.83	0.00	-0.32	0.00
9	gLCB20(min)	I[9]	-8.51	0.00	-0.91	0.00	0.00	0.00
9	gLCB21(min)	I[9]	-16.38	0.00	-1.20	0.00	-0.64	0.00
9	gLCB22(min)	I[9]	-16.56	0.00	-1.27	0.00	-0.32	0.00
9	gLCB23(min)	I[9]	-12.33	0.00	-1.27	0.00	-0.32	0.00
9	gLCB24(min)	I[9]	-12.51	0.00	-1.35	0.00	0.00	0.00
10	gLCB1	I[12]	-20.89	0.00	8.55	0.00	67.76	0.00
10	gLCB2	I[12]	-19.09	0.00	8.65	0.00	68.29	0.00
10	gLCB3	I[12]	-20.89	0.00	2.52	0.00	21.86	0.00
10	gLCB4	I[12]	-19.09	0.00	2.62	0.00	22.39	0.00
10	gLCB5	I[12]	-19.20	0.00	8.68	0.00	68.41	0.00
10	gLCB6	I[12]	-17.41	0.00	8.78	0.00	68.94	0.00
10	gLCB7	I[12]	-19.20	0.00	2.65	0.00	22.51	0.00
10	gLCB8	I[12]	-17.41	0.00	2.75	0.00	23.04	0.00
10	gLCB9	I[12]	-17.38	0.00	8.68	0.00	68.44	0.00
10	gLCB10	I[12]	-15.58	0.00	8.79	0.00	68.97	0.00
10	gLCB11	I[12]	-17.38	0.00	2.65	0.00	22.54	0.00
10	gLCB12	I[12]	-15.58	0.00	2.76	0.00	23.06	0.00
10	gLCB13	I[12]	-15.70	0.00	8.81	0.00	69.09	0.00
10	gLCB14	I[12]	-13.90	0.00	8.92	0.00	69.62	0.00
10	gLCB15	I[12]	-15.70	0.00	2.78	0.00	23.19	0.00
10	gLCB16	I[12]	-13.90	0.00	2.89	0.00	23.71	0.00
10	gLCB17(max)	I[12]	-3.88	0.00	0.16	0.00	0.79	0.00
10	gLCB18(max)	I[12]	0.18	0.00	0.08	0.00	0.40	0.00
10	gLCB19(max)	I[12]	-4.06	0.00	0.08	0.00	0.40	0.00
10	gLCB20(max)	I[12]	0.00	0.00	0.00	0.00	0.00	0.00
10	gLCB21(max)	I[12]	-3.88	0.00	0.16	0.00	0.79	0.00
10	gLCB22(max)	I[12]	0.18	0.00	0.08	0.00	0.40	0.00
10	gLCB23(max)	I[12]	-4.06	0.00	0.08	0.00	0.40	0.00
10	gLCB24(max)	I[12]	0.00	0.00	0.00	0.00	0.00	0.00
10	gLCB17(min)	I[12]	-12.38	0.00	-0.75	0.00	-3.75	0.00
10	gLCB18(min)	I[12]	-8.33	0.00	-0.83	0.00	-4.15	0.00
10	gLCB19(min)	I[12]	-12.56	0.00	-0.83	0.00	-4.15	0.00
10	gLCB20(min)	I[12]	-8.51	0.00	-0.91	0.00	-4.55	0.00
10	gLCB21(min)	I[12]	-16.38	0.00	-1.20	0.00	-5.98	0.00
10	gLCB22(min)	I[12]	-12.33	0.00	-1.27	0.00	-6.37	0.00
10	gLCB23(min)	I[12]	-16.56	0.00	-1.27	0.00	-6.37	0.00
10	gLCB24(min)	I[12]	-12.51	0.00	-1.35	0.00	-6.77	0.00
11	gLCB1	I[11]	-20.89	0.00	8.55	0.00	-67.76	0.00
11	gLCB2	I[11]	-19.09	0.00	8.65	0.00	-68.29	0.00
11	gLCB3	I[11]	-20.89	0.00	2.52	0.00	-21.86	0.00
11	gLCB4	I[11]	-19.09	0.00	2.62	0.00	-22.39	0.00
11	gLCB5	I[11]	-19.20	0.00	8.68	0.00	-68.41	0.00
11	gLCB6	I[11]	-17.41	0.00	8.78	0.00	-68.94	0.00
11	gLCB7	I[11]	-19.20	0.00	2.65	0.00	-22.51	0.00
11	gLCB8	I[11]	-17.41	0.00	2.75	0.00	-23.04	0.00
11	gLCB9	I[11]	-17.38	0.00	8.68	0.00	-68.44	0.00
11	gLCB10	I[11]	-15.58	0.00	8.79	0.00	-68.97	0.00
11	gLCB11	I[11]	-17.38	0.00	2.65	0.00	-22.54	0.00
11	gLCB12	I[11]	-15.58	0.00	2.76	0.00	-23.06	0.00
11	gLCB13	I[11]	-15.70	0.00	8.81	0.00	-69.09	0.00
11	gLCB14	I[11]	-13.90	0.00	8.92	0.00	-69.62	0.00
11	gLCB15	I[11]	-15.70	0.00	2.78	0.00	-23.19	0.00
11	gLCB16	I[11]	-13.90	0.00	2.89	0.00	-23.71	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
11	gLCB17(max)	I[11]	-3.88	0.00	0.16	0.00	3.75	0.00
11	gLCB18(max)	I[11]	-4.06	0.00	0.08	0.00	4.15	0.00
11	gLCB19(max)	I[11]	0.18	0.00	0.08	0.00	4.15	0.00
11	gLCB20(max)	I[11]	0.00	0.00	0.00	0.00	4.55	0.00
11	gLCB21(max)	I[11]	-3.88	0.00	0.16	0.00	5.98	0.00
11	gLCB22(max)	I[11]	-4.06	0.00	0.08	0.00	6.37	0.00
11	gLCB23(max)	I[11]	0.18	0.00	0.08	0.00	6.37	0.00
11	gLCB24(max)	I[11]	0.00	0.00	0.00	0.00	6.77	0.00
11	gLCB17(min)	I[11]	-12.38	0.00	-0.75	0.00	-0.79	0.00
11	gLCB18(min)	I[11]	-12.56	0.00	-0.83	0.00	-0.40	0.00
11	gLCB19(min)	I[11]	-8.33	0.00	-0.83	0.00	-0.40	0.00
11	gLCB20(min)	I[11]	-8.51	0.00	-0.91	0.00	0.00	0.00
11	gLCB21(min)	I[11]	-16.38	0.00	-1.20	0.00	-0.79	0.00
11	gLCB22(min)	I[11]	-16.56	0.00	-1.27	0.00	-0.40	0.00
11	gLCB23(min)	I[11]	-12.33	0.00	-1.27	0.00	-0.40	0.00
11	gLCB24(min)	I[11]	-12.51	0.00	-1.35	0.00	0.00	0.00
12	gLCB1	I[14]	-20.51	0.00	6.72	0.00	75.39	0.00
12	gLCB2	I[14]	-18.72	0.00	6.82	0.00	76.02	0.00
12	gLCB3	I[14]	-20.51	0.00	1.84	0.00	24.04	0.00
12	gLCB4	I[14]	-18.72	0.00	1.95	0.00	24.67	0.00
12	gLCB5	I[14]	-18.83	0.00	6.85	0.00	76.17	0.00
12	gLCB6	I[14]	-17.03	0.00	6.95	0.00	76.80	0.00
12	gLCB7	I[14]	-18.83	0.00	1.97	0.00	24.82	0.00
12	gLCB8	I[14]	-17.03	0.00	2.08	0.00	25.45	0.00
12	gLCB9	I[14]	-17.11	0.00	6.85	0.00	76.20	0.00
12	gLCB10	I[14]	-15.31	0.00	6.96	0.00	76.83	0.00
12	gLCB11	I[14]	-17.11	0.00	1.98	0.00	24.85	0.00
12	gLCB12	I[14]	-15.31	0.00	2.08	0.00	25.48	0.00
12	gLCB13	I[14]	-15.43	0.00	6.98	0.00	76.98	0.00
12	gLCB14	I[14]	-13.63	0.00	7.09	0.00	77.61	0.00
12	gLCB15	I[14]	-15.43	0.00	2.11	0.00	25.63	0.00
12	gLCB16	I[14]	-13.63	0.00	2.21	0.00	26.26	0.00
12	gLCB17(max)	I[14]	-3.88	0.00	0.16	0.00	0.95	0.00
12	gLCB18(max)	I[14]	0.18	0.00	0.08	0.00	0.48	0.00
12	gLCB19(max)	I[14]	-4.06	0.00	0.08	0.00	0.48	0.00
12	gLCB20(max)	I[14]	0.00	0.00	0.00	0.00	0.00	0.00
12	gLCB21(max)	I[14]	-3.88	0.00	0.16	0.00	0.95	0.00
12	gLCB22(max)	I[14]	0.18	0.00	0.08	0.00	0.48	0.00
12	gLCB23(max)	I[14]	-4.06	0.00	0.08	0.00	0.48	0.00
12	gLCB24(max)	I[14]	0.00	0.00	0.00	0.00	0.00	0.00
12	gLCB17(min)	I[14]	-12.38	0.00	-0.75	0.00	-4.51	0.00
12	gLCB18(min)	I[14]	-8.33	0.00	-0.83	0.00	-4.98	0.00
12	gLCB19(min)	I[14]	-12.56	0.00	-0.83	0.00	-4.98	0.00
12	gLCB20(min)	I[14]	-8.51	0.00	-0.91	0.00	-5.46	0.00
12	gLCB21(min)	I[14]	-16.38	0.00	-1.20	0.00	-7.17	0.00
12	gLCB22(min)	I[14]	-12.33	0.00	-1.27	0.00	-7.65	0.00
12	gLCB23(min)	I[14]	-16.56	0.00	-1.27	0.00	-7.65	0.00
12	gLCB24(min)	I[14]	-12.51	0.00	-1.35	0.00	-8.13	0.00
13	gLCB1	I[13]	-20.51	0.00	6.72	0.00	-75.39	0.00
13	gLCB2	I[13]	-18.72	0.00	6.82	0.00	-76.02	0.00
13	gLCB3	I[13]	-20.51	0.00	1.84	0.00	-24.04	0.00
13	gLCB4	I[13]	-18.72	0.00	1.95	0.00	-24.67	0.00
13	gLCB5	I[13]	-18.83	0.00	6.85	0.00	-76.17	0.00
13	gLCB6	I[13]	-17.03	0.00	6.95	0.00	-76.80	0.00
13	gLCB7	I[13]	-18.83	0.00	1.97	0.00	-24.82	0.00
13	gLCB8	I[13]	-17.03	0.00	2.08	0.00	-25.45	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
13	gLCB9	I[13]	-17.11	0.00	6.85	0.00	-76.20	0.00
13	gLCB10	I[13]	-15.31	0.00	6.96	0.00	-76.83	0.00
13	gLCB11	I[13]	-17.11	0.00	1.98	0.00	-24.85	0.00
13	gLCB12	I[13]	-15.31	0.00	2.08	0.00	-25.48	0.00
13	gLCB13	I[13]	-15.43	0.00	6.98	0.00	-76.98	0.00
13	gLCB14	I[13]	-13.63	0.00	7.09	0.00	-77.61	0.00
13	gLCB15	I[13]	-15.43	0.00	2.11	0.00	-25.63	0.00
13	gLCB16	I[13]	-13.63	0.00	2.21	0.00	-26.26	0.00
13	gLCB17(max)	I[13]	-3.88	0.00	0.16	0.00	4.51	0.00
13	gLCB18(max)	I[13]	-4.06	0.00	0.08	0.00	4.98	0.00
13	gLCB19(max)	I[13]	0.18	0.00	0.08	0.00	4.98	0.00
13	gLCB20(max)	I[13]	0.00	0.00	0.00	0.00	5.46	0.00
13	gLCB21(max)	I[13]	-3.88	0.00	0.16	0.00	7.17	0.00
13	gLCB22(max)	I[13]	-4.06	0.00	0.08	0.00	7.65	0.00
13	gLCB23(max)	I[13]	0.18	0.00	0.08	0.00	7.65	0.00
13	gLCB24(max)	I[13]	0.00	0.00	0.00	0.00	8.13	0.00
13	gLCB17(min)	I[13]	-12.38	0.00	-0.75	0.00	-0.95	0.00
13	gLCB18(min)	I[13]	-12.56	0.00	-0.83	0.00	-0.48	0.00
13	gLCB19(min)	I[13]	-8.33	0.00	-0.83	0.00	-0.48	0.00
13	gLCB20(min)	I[13]	-8.51	0.00	-0.91	0.00	0.00	0.00
13	gLCB21(min)	I[13]	-16.38	0.00	-1.20	0.00	-0.95	0.00
13	gLCB22(min)	I[13]	-16.56	0.00	-1.27	0.00	-0.48	0.00
13	gLCB23(min)	I[13]	-12.33	0.00	-1.27	0.00	-0.48	0.00
13	gLCB24(min)	I[13]	-12.51	0.00	-1.35	0.00	0.00	0.00
14	gLCB1	I[16]	-20.14	0.00	4.97	0.00	81.22	0.00
14	gLCB2	I[16]	-18.34	0.00	5.07	0.00	81.96	0.00
14	gLCB3	I[16]	-20.14	0.00	1.19	0.00	25.55	0.00
14	gLCB4	I[16]	-18.34	0.00	1.30	0.00	26.29	0.00
14	gLCB5	I[16]	-18.45	0.00	5.10	0.00	82.13	0.00
14	gLCB6	I[16]	-16.66	0.00	5.20	0.00	82.87	0.00
14	gLCB7	I[16]	-18.45	0.00	1.32	0.00	26.46	0.00
14	gLCB8	I[16]	-16.66	0.00	1.43	0.00	27.20	0.00
14	gLCB9	I[16]	-16.84	0.00	5.10	0.00	82.17	0.00
14	gLCB10	I[16]	-15.04	0.00	5.21	0.00	82.91	0.00
14	gLCB11	I[16]	-16.84	0.00	1.33	0.00	26.50	0.00
14	gLCB12	I[16]	-15.04	0.00	1.43	0.00	27.23	0.00
14	gLCB13	I[16]	-15.16	0.00	5.23	0.00	83.08	0.00
14	gLCB14	I[16]	-13.36	0.00	5.34	0.00	83.82	0.00
14	gLCB15	I[16]	-15.16	0.00	1.46	0.00	27.41	0.00
14	gLCB16	I[16]	-13.36	0.00	1.56	0.00	28.14	0.00
14	gLCB17(max)	I[16]	-3.88	0.00	0.16	0.00	1.11	0.00
14	gLCB18(max)	I[16]	0.18	0.00	0.08	0.00	0.56	0.00
14	gLCB19(max)	I[16]	-4.06	0.00	0.08	0.00	0.56	0.00
14	gLCB20(max)	I[16]	0.00	0.00	0.00	0.00	0.00	0.00
14	gLCB21(max)	I[16]	-3.88	0.00	0.16	0.00	1.11	0.00
14	gLCB22(max)	I[16]	0.18	0.00	0.08	0.00	0.56	0.00
14	gLCB23(max)	I[16]	-4.06	0.00	0.08	0.00	0.56	0.00
14	gLCB24(max)	I[16]	0.00	0.00	0.00	0.00	0.00	0.00
14	gLCB17(min)	I[16]	-12.38	0.00	-0.75	0.00	-5.26	0.00
14	gLCB18(min)	I[16]	-8.33	0.00	-0.83	0.00	-5.81	0.00
14	gLCB19(min)	I[16]	-12.56	0.00	-0.83	0.00	-5.81	0.00
14	gLCB20(min)	I[16]	-8.51	0.00	-0.91	0.00	-6.37	0.00
14	gLCB21(min)	I[16]	-16.38	0.00	-1.20	0.00	-8.37	0.00
14	gLCB22(min)	I[16]	-12.33	0.00	-1.27	0.00	-8.92	0.00
14	gLCB23(min)	I[16]	-16.56	0.00	-1.27	0.00	-8.92	0.00
14	gLCB24(min)	I[16]	-12.51	0.00	-1.35	0.00	-9.48	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
15	gLCB1	I[15]	-20.14	0.00	4.97	0.00	-81.22	0.00
15	gLCB2	I[15]	-18.34	0.00	5.07	0.00	-81.96	0.00
15	gLCB3	I[15]	-20.14	0.00	1.19	0.00	-25.55	0.00
15	gLCB4	I[15]	-18.34	0.00	1.30	0.00	-26.29	0.00
15	gLCB5	I[15]	-18.45	0.00	5.10	0.00	-82.13	0.00
15	gLCB6	I[15]	-16.66	0.00	5.20	0.00	-82.87	0.00
15	gLCB7	I[15]	-18.45	0.00	1.32	0.00	-26.46	0.00
15	gLCB8	I[15]	-16.66	0.00	1.43	0.00	-27.20	0.00
15	gLCB9	I[15]	-16.84	0.00	5.10	0.00	-82.17	0.00
15	gLCB10	I[15]	-15.04	0.00	5.21	0.00	-82.91	0.00
15	gLCB11	I[15]	-16.84	0.00	1.33	0.00	-26.50	0.00
15	gLCB12	I[15]	-15.04	0.00	1.43	0.00	-27.23	0.00
15	gLCB13	I[15]	-15.16	0.00	5.23	0.00	-83.08	0.00
15	gLCB14	I[15]	-13.36	0.00	5.34	0.00	-83.82	0.00
15	gLCB15	I[15]	-15.16	0.00	1.46	0.00	-27.41	0.00
15	gLCB16	I[15]	-13.36	0.00	1.56	0.00	-28.14	0.00
15	gLCB17(max)	I[15]	-3.88	0.00	0.16	0.00	5.26	0.00
15	gLCB18(max)	I[15]	-4.06	0.00	0.08	0.00	5.81	0.00
15	gLCB19(max)	I[15]	0.18	0.00	0.08	0.00	5.81	0.00
15	gLCB20(max)	I[15]	0.00	0.00	0.00	0.00	6.37	0.00
15	gLCB21(max)	I[15]	-3.88	0.00	0.16	0.00	8.37	0.00
15	gLCB22(max)	I[15]	-4.06	0.00	0.08	0.00	8.92	0.00
15	gLCB23(max)	I[15]	0.18	0.00	0.08	0.00	8.92	0.00
15	gLCB24(max)	I[15]	0.00	0.00	0.00	0.00	9.48	0.00
15	gLCB17(min)	I[15]	-12.38	0.00	-0.75	0.00	-1.11	0.00
15	gLCB18(min)	I[15]	-12.56	0.00	-0.83	0.00	-0.56	0.00
15	gLCB19(min)	I[15]	-8.33	0.00	-0.83	0.00	-0.56	0.00
15	gLCB20(min)	I[15]	-8.51	0.00	-0.91	0.00	0.00	0.00
15	gLCB21(min)	I[15]	-16.38	0.00	-1.20	0.00	-1.11	0.00
15	gLCB22(min)	I[15]	-16.56	0.00	-1.27	0.00	-0.56	0.00
15	gLCB23(min)	I[15]	-12.33	0.00	-1.27	0.00	-0.56	0.00
15	gLCB24(min)	I[15]	-12.51	0.00	-1.35	0.00	0.00	0.00
16	gLCB1	I[18]	-19.76	0.00	3.29	0.00	85.35	0.00
16	gLCB2	I[18]	-17.97	0.00	3.40	0.00	86.19	0.00
16	gLCB3	I[18]	-19.76	0.00	0.57	0.00	26.43	0.00
16	gLCB4	I[18]	-17.97	0.00	0.68	0.00	27.27	0.00
16	gLCB5	I[18]	-18.08	0.00	3.42	0.00	86.39	0.00
16	gLCB6	I[18]	-16.28	0.00	3.53	0.00	87.23	0.00
16	gLCB7	I[18]	-18.08	0.00	0.70	0.00	27.47	0.00
16	gLCB8	I[18]	-16.28	0.00	0.81	0.00	28.31	0.00
16	gLCB9	I[18]	-16.57	0.00	3.43	0.00	86.43	0.00
16	gLCB10	I[18]	-14.77	0.00	3.54	0.00	87.27	0.00
16	gLCB11	I[18]	-16.57	0.00	0.71	0.00	27.51	0.00
16	gLCB12	I[18]	-14.77	0.00	0.81	0.00	28.35	0.00
16	gLCB13	I[18]	-14.89	0.00	3.56	0.00	87.47	0.00
16	gLCB14	I[18]	-13.09	0.00	3.67	0.00	88.31	0.00
16	gLCB15	I[18]	-14.89	0.00	0.84	0.00	28.55	0.00
16	gLCB16	I[18]	-13.09	0.00	0.94	0.00	29.39	0.00
16	gLCB17(max)	I[18]	-3.88	0.00	0.16	0.00	1.27	0.00
16	gLCB18(max)	I[18]	0.18	0.00	0.08	0.00	0.64	0.00
16	gLCB19(max)	I[18]	-4.06	0.00	0.08	0.00	0.64	0.00
16	gLCB20(max)	I[18]	0.00	0.00	0.00	0.00	0.00	0.00
16	gLCB21(max)	I[18]	-3.88	0.00	0.16	0.00	1.27	0.00
16	gLCB22(max)	I[18]	0.18	0.00	0.08	0.00	0.64	0.00
16	gLCB23(max)	I[18]	-4.06	0.00	0.08	0.00	0.64	0.00
16	gLCB24(max)	I[18]	0.00	0.00	0.00	0.00	0.00	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
16	gLCB17(min)	I[18]	-12.38	0.00	-0.75	0.00	-6.01	0.00
16	gLCB18(min)	I[18]	-8.33	0.00	-0.83	0.00	-6.64	0.00
16	gLCB19(min)	I[18]	-12.56	0.00	-0.83	0.00	-6.64	0.00
16	gLCB20(min)	I[18]	-8.51	0.00	-0.91	0.00	-7.28	0.00
16	gLCB21(min)	I[18]	-16.38	0.00	-1.20	0.00	-9.56	0.00
16	gLCB22(min)	I[18]	-12.33	0.00	-1.27	0.00	-10.20	0.00
16	gLCB23(min)	I[18]	-16.56	0.00	-1.27	0.00	-10.20	0.00
16	gLCB24(min)	I[18]	-12.51	0.00	-1.35	0.00	-10.83	0.00
17	gLCB1	I[17]	-19.76	0.00	3.29	0.00	-85.35	0.00
17	gLCB2	I[17]	-17.97	0.00	3.40	0.00	-86.19	0.00
17	gLCB3	I[17]	-19.76	0.00	0.57	0.00	-26.43	0.00
17	gLCB4	I[17]	-17.97	0.00	0.68	0.00	-27.27	0.00
17	gLCB5	I[17]	-18.08	0.00	3.42	0.00	-86.39	0.00
17	gLCB6	I[17]	-16.28	0.00	3.53	0.00	-87.23	0.00
17	gLCB7	I[17]	-18.08	0.00	0.70	0.00	-27.47	0.00
17	gLCB8	I[17]	-16.28	0.00	0.81	0.00	-28.31	0.00
17	gLCB9	I[17]	-16.57	0.00	3.43	0.00	-86.43	0.00
17	gLCB10	I[17]	-14.77	0.00	3.54	0.00	-87.27	0.00
17	gLCB11	I[17]	-16.57	0.00	0.71	0.00	-27.51	0.00
17	gLCB12	I[17]	-14.77	0.00	0.81	0.00	-28.35	0.00
17	gLCB13	I[17]	-14.89	0.00	3.56	0.00	-87.47	0.00
17	gLCB14	I[17]	-13.09	0.00	3.67	0.00	-88.31	0.00
17	gLCB15	I[17]	-14.89	0.00	0.84	0.00	-28.55	0.00
17	gLCB16	I[17]	-13.09	0.00	0.94	0.00	-29.39	0.00
17	gLCB17(max)	I[17]	-3.88	0.00	0.16	0.00	6.01	0.00
17	gLCB18(max)	I[17]	-4.06	0.00	0.08	0.00	6.64	0.00
17	gLCB19(max)	I[17]	0.18	0.00	0.08	0.00	6.64	0.00
17	gLCB20(max)	I[17]	0.00	0.00	0.00	0.00	7.28	0.00
17	gLCB21(max)	I[17]	-3.88	0.00	0.16	0.00	9.56	0.00
17	gLCB22(max)	I[17]	-4.06	0.00	0.08	0.00	10.20	0.00
17	gLCB23(max)	I[17]	0.18	0.00	0.08	0.00	10.20	0.00
17	gLCB24(max)	I[17]	0.00	0.00	0.00	0.00	10.83	0.00
17	gLCB17(min)	I[17]	-12.38	0.00	-0.75	0.00	-1.27	0.00
17	gLCB18(min)	I[17]	-12.56	0.00	-0.83	0.00	-0.64	0.00
17	gLCB19(min)	I[17]	-8.33	0.00	-0.83	0.00	-0.64	0.00
17	gLCB20(min)	I[17]	-8.51	0.00	-0.91	0.00	0.00	0.00
17	gLCB21(min)	I[17]	-16.38	0.00	-1.20	0.00	-1.27	0.00
17	gLCB22(min)	I[17]	-16.56	0.00	-1.27	0.00	-0.64	0.00
17	gLCB23(min)	I[17]	-12.33	0.00	-1.27	0.00	-0.64	0.00
17	gLCB24(min)	I[17]	-12.51	0.00	-1.35	0.00	0.00	0.00
18	gLCB1	I[20]	-19.39	0.00	1.70	0.00	87.84	0.00
18	gLCB2	I[20]	-17.59	0.00	1.81	0.00	88.79	0.00
18	gLCB3	I[20]	-19.39	0.00	-0.02	0.00	26.71	0.00
18	gLCB4	I[20]	-17.59	0.00	0.09	0.00	27.65	0.00
18	gLCB5	I[20]	-17.70	0.00	1.83	0.00	89.01	0.00
18	gLCB6	I[20]	-15.91	0.00	1.94	0.00	89.96	0.00
18	gLCB7	I[20]	-17.70	0.00	0.11	0.00	27.88	0.00
18	gLCB8	I[20]	-15.91	0.00	0.22	0.00	28.82	0.00
18	gLCB9	I[20]	-16.30	0.00	1.84	0.00	89.06	0.00
18	gLCB10	I[20]	-14.50	0.00	1.94	0.00	90.00	0.00
18	gLCB11	I[20]	-16.30	0.00	0.12	0.00	27.92	0.00
18	gLCB12	I[20]	-14.50	0.00	0.22	0.00	28.87	0.00
18	gLCB13	I[20]	-14.62	0.00	1.97	0.00	90.23	0.00
18	gLCB14	I[20]	-12.82	0.00	2.07	0.00	91.17	0.00
18	gLCB15	I[20]	-14.62	0.00	0.25	0.00	29.09	0.00
18	gLCB16	I[20]	-12.82	0.00	0.35	0.00	30.04	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
18	gLCB17(max)	I[20]	-3.88	0.00	0.16	0.00	1.43	0.00
18	gLCB18(max)	I[20]	0.18	0.00	0.08	0.00	0.71	0.00
18	gLCB19(max)	I[20]	-4.06	0.00	0.08	0.00	0.71	0.00
18	gLCB20(max)	I[20]	0.00	0.00	0.00	0.00	0.00	0.00
18	gLCB21(max)	I[20]	-3.88	0.00	0.16	0.00	1.43	0.00
18	gLCB22(max)	I[20]	0.18	0.00	0.08	0.00	0.71	0.00
18	gLCB23(max)	I[20]	-4.06	0.00	0.08	0.00	0.71	0.00
18	gLCB24(max)	I[20]	0.00	0.00	0.00	0.00	0.00	0.00
18	gLCB17(min)	I[20]	-12.38	0.00	-0.75	0.00	-6.76	0.00
18	gLCB18(min)	I[20]	-8.33	0.00	-0.83	0.00	-7.47	0.00
18	gLCB19(min)	I[20]	-12.56	0.00	-0.83	0.00	-7.47	0.00
18	gLCB20(min)	I[20]	-8.51	0.00	-0.91	0.00	-8.19	0.00
18	gLCB21(min)	I[20]	-16.38	0.00	-1.20	0.00	-10.76	0.00
18	gLCB22(min)	I[20]	-12.33	0.00	-1.27	0.00	-11.47	0.00
18	gLCB23(min)	I[20]	-16.56	0.00	-1.27	0.00	-11.47	0.00
18	gLCB24(min)	I[20]	-12.51	0.00	-1.35	0.00	-12.19	0.00
19	gLCB1	I[19]	-19.39	0.00	1.70	0.00	-87.84	0.00
19	gLCB2	I[19]	-17.59	0.00	1.81	0.00	-88.79	0.00
19	gLCB3	I[19]	-19.39	0.00	-0.02	0.00	-26.71	0.00
19	gLCB4	I[19]	-17.59	0.00	0.09	0.00	-27.65	0.00
19	gLCB5	I[19]	-17.70	0.00	1.83	0.00	-89.01	0.00
19	gLCB6	I[19]	-15.91	0.00	1.94	0.00	-89.96	0.00
19	gLCB7	I[19]	-17.70	0.00	0.11	0.00	-27.88	0.00
19	gLCB8	I[19]	-15.91	0.00	0.22	0.00	-28.82	0.00
19	gLCB9	I[19]	-16.30	0.00	1.84	0.00	-89.06	0.00
19	gLCB10	I[19]	-14.50	0.00	1.94	0.00	-90.00	0.00
19	gLCB11	I[19]	-16.30	0.00	0.12	0.00	-27.92	0.00
19	gLCB12	I[19]	-14.50	0.00	0.22	0.00	-28.87	0.00
19	gLCB13	I[19]	-14.62	0.00	1.97	0.00	-90.23	0.00
19	gLCB14	I[19]	-12.82	0.00	2.07	0.00	-91.17	0.00
19	gLCB15	I[19]	-14.62	0.00	0.25	0.00	-29.09	0.00
19	gLCB16	I[19]	-12.82	0.00	0.35	0.00	-30.04	0.00
19	gLCB17(max)	I[19]	-3.88	0.00	0.16	0.00	6.76	0.00
19	gLCB18(max)	I[19]	-4.06	0.00	0.08	0.00	7.47	0.00
19	gLCB19(max)	I[19]	0.18	0.00	0.08	0.00	7.47	0.00
19	gLCB20(max)	I[19]	0.00	0.00	0.00	0.00	8.19	0.00
19	gLCB21(max)	I[19]	-3.88	0.00	0.16	0.00	10.76	0.00
19	gLCB22(max)	I[19]	-4.06	0.00	0.08	0.00	11.47	0.00
19	gLCB23(max)	I[19]	0.18	0.00	0.08	0.00	11.47	0.00
19	gLCB24(max)	I[19]	0.00	0.00	0.00	0.00	12.19	0.00
19	gLCB17(min)	I[19]	-12.38	0.00	-0.75	0.00	-1.43	0.00
19	gLCB18(min)	I[19]	-12.56	0.00	-0.83	0.00	-0.71	0.00
19	gLCB19(min)	I[19]	-8.33	0.00	-0.83	0.00	-0.71	0.00
19	gLCB20(min)	I[19]	-8.51	0.00	-0.91	0.00	0.00	0.00
19	gLCB21(min)	I[19]	-16.38	0.00	-1.20	0.00	-1.43	0.00
19	gLCB22(min)	I[19]	-16.56	0.00	-1.27	0.00	-0.71	0.00
19	gLCB23(min)	I[19]	-12.33	0.00	-1.27	0.00	-0.71	0.00
19	gLCB24(min)	I[19]	-12.51	0.00	-1.35	0.00	0.00	0.00
20	gLCB1	I[22]	-19.01	0.00	0.19	0.00	88.78	0.00
20	gLCB2	I[22]	-17.22	0.00	0.29	0.00	89.83	0.00
20	gLCB3	I[22]	-19.01	0.00	-0.58	0.00	26.41	0.00
20	gLCB4	I[22]	-17.22	0.00	-0.47	0.00	27.46	0.00
20	gLCB5	I[22]	-17.33	0.00	0.32	0.00	90.08	0.00
20	gLCB6	I[22]	-15.53	0.00	0.42	0.00	91.13	0.00
20	gLCB7	I[22]	-17.33	0.00	-0.45	0.00	27.71	0.00
20	gLCB8	I[22]	-15.53	0.00	-0.34	0.00	28.76	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
20	gLCB9	I[22]	-16.03	0.00	0.32	0.00	90.13	0.00
20	gLCB10	I[22]	-14.23	0.00	0.43	0.00	91.18	0.00
20	gLCB11	I[22]	-16.03	0.00	-0.44	0.00	27.76	0.00
20	gLCB12	I[22]	-14.23	0.00	-0.34	0.00	28.81	0.00
20	gLCB13	I[22]	-14.35	0.00	0.45	0.00	91.43	0.00
20	gLCB14	I[22]	-12.55	0.00	0.56	0.00	92.48	0.00
20	gLCB15	I[22]	-14.35	0.00	-0.31	0.00	29.06	0.00
20	gLCB16	I[22]	-12.55	0.00	-0.21	0.00	30.11	0.00
20	gLCB17(max)	I[22]	-3.88	0.00	0.16	0.00	1.59	0.00
20	gLCB18(max)	I[22]	0.18	0.00	0.08	0.00	0.79	0.00
20	gLCB19(max)	I[22]	-4.06	0.00	0.08	0.00	0.79	0.00
20	gLCB20(max)	I[22]	0.00	0.00	0.00	0.00	0.00	0.00
20	gLCB21(max)	I[22]	-3.88	0.00	0.16	0.00	1.59	0.00
20	gLCB22(max)	I[22]	0.18	0.00	0.08	0.00	0.79	0.00
20	gLCB23(max)	I[22]	-4.06	0.00	0.08	0.00	0.79	0.00
20	gLCB24(max)	I[22]	0.00	0.00	0.00	0.00	0.00	0.00
20	gLCB17(min)	I[22]	-12.38	0.00	-0.75	0.00	-7.51	0.00
20	gLCB18(min)	I[22]	-8.33	0.00	-0.83	0.00	-8.30	0.00
20	gLCB19(min)	I[22]	-12.56	0.00	-0.83	0.00	-8.30	0.00
20	gLCB20(min)	I[22]	-8.51	0.00	-0.91	0.00	-9.10	0.00
20	gLCB21(min)	I[22]	-16.38	0.00	-1.20	0.00	-11.95	0.00
20	gLCB22(min)	I[22]	-12.33	0.00	-1.27	0.00	-12.75	0.00
20	gLCB23(min)	I[22]	-16.56	0.00	-1.27	0.00	-12.75	0.00
20	gLCB24(min)	I[22]	-12.51	0.00	-1.35	0.00	-13.54	0.00
21	gLCB1	I[21]	-19.01	0.00	0.19	0.00	-88.78	0.00
21	gLCB2	I[21]	-17.22	0.00	0.29	0.00	-89.83	0.00
21	gLCB3	I[21]	-19.01	0.00	-0.58	0.00	-26.41	0.00
21	gLCB4	I[21]	-17.22	0.00	-0.47	0.00	-27.46	0.00
21	gLCB5	I[21]	-17.33	0.00	0.32	0.00	-90.08	0.00
21	gLCB6	I[21]	-15.53	0.00	0.42	0.00	-91.13	0.00
21	gLCB7	I[21]	-17.33	0.00	-0.45	0.00	-27.71	0.00
21	gLCB8	I[21]	-15.53	0.00	-0.34	0.00	-28.76	0.00
21	gLCB9	I[21]	-16.03	0.00	0.32	0.00	-90.13	0.00
21	gLCB10	I[21]	-14.23	0.00	0.43	0.00	-91.18	0.00
21	gLCB11	I[21]	-16.03	0.00	-0.44	0.00	-27.76	0.00
21	gLCB12	I[21]	-14.23	0.00	-0.34	0.00	-28.81	0.00
21	gLCB13	I[21]	-14.35	0.00	0.45	0.00	-91.43	0.00
21	gLCB14	I[21]	-12.55	0.00	0.56	0.00	-92.48	0.00
21	gLCB15	I[21]	-14.35	0.00	-0.31	0.00	-29.06	0.00
21	gLCB16	I[21]	-12.55	0.00	-0.21	0.00	-30.11	0.00
21	gLCB17(max)	I[21]	-3.88	0.00	0.16	0.00	7.51	0.00
21	gLCB18(max)	I[21]	-4.06	0.00	0.08	0.00	8.30	0.00
21	gLCB19(max)	I[21]	0.18	0.00	0.08	0.00	8.30	0.00
21	gLCB20(max)	I[21]	0.00	0.00	0.00	0.00	9.10	0.00
21	gLCB21(max)	I[21]	-3.88	0.00	0.16	0.00	11.95	0.00
21	gLCB22(max)	I[21]	-4.06	0.00	0.08	0.00	12.75	0.00
21	gLCB23(max)	I[21]	0.18	0.00	0.08	0.00	12.75	0.00
21	gLCB24(max)	I[21]	0.00	0.00	0.00	0.00	13.54	0.00
21	gLCB17(min)	I[21]	-12.38	0.00	-0.75	0.00	-1.59	0.00
21	gLCB18(min)	I[21]	-12.56	0.00	-0.83	0.00	-0.79	0.00
21	gLCB19(min)	I[21]	-8.33	0.00	-0.83	0.00	-0.79	0.00
21	gLCB20(min)	I[21]	-8.51	0.00	-0.91	0.00	0.00	0.00
21	gLCB21(min)	I[21]	-16.38	0.00	-1.20	0.00	-1.59	0.00
21	gLCB22(min)	I[21]	-16.56	0.00	-1.27	0.00	-0.79	0.00
21	gLCB23(min)	I[21]	-12.33	0.00	-1.27	0.00	-0.79	0.00
21	gLCB24(min)	I[21]	-12.51	0.00	-1.35	0.00	0.00	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
22	gLCB1	I[24]	-18.64	0.00	-1.24	0.00	88.24	0.00
22	gLCB2	I[24]	-16.84	0.00	-1.14	0.00	89.40	0.00
22	gLCB3	I[24]	-18.64	0.00	-1.11	0.00	25.56	0.00
22	gLCB4	I[24]	-16.84	0.00	-1.00	0.00	26.72	0.00
22	gLCB5	I[24]	-16.95	0.00	-1.11	0.00	89.67	0.00
22	gLCB6	I[24]	-15.16	0.00	-1.01	0.00	90.83	0.00
22	gLCB7	I[24]	-16.95	0.00	-0.98	0.00	26.99	0.00
22	gLCB8	I[24]	-15.16	0.00	-0.87	0.00	28.15	0.00
22	gLCB9	I[24]	-15.76	0.00	-1.11	0.00	89.73	0.00
22	gLCB10	I[24]	-13.96	0.00	-1.00	0.00	90.89	0.00
22	gLCB11	I[24]	-15.76	0.00	-0.97	0.00	27.05	0.00
22	gLCB12	I[24]	-13.96	0.00	-0.87	0.00	28.21	0.00
22	gLCB13	I[24]	-14.08	0.00	-0.98	0.00	91.16	0.00
22	gLCB14	I[24]	-12.28	0.00	-0.87	0.00	92.32	0.00
22	gLCB15	I[24]	-14.08	0.00	-0.84	0.00	28.48	0.00
22	gLCB16	I[24]	-12.28	0.00	-0.74	0.00	29.64	0.00
22	gLCB17(max)	I[24]	-3.88	0.00	0.16	0.00	1.75	0.00
22	gLCB18(max)	I[24]	0.18	0.00	0.08	0.00	0.87	0.00
22	gLCB19(max)	I[24]	-4.06	0.00	0.08	0.00	0.87	0.00
22	gLCB20(max)	I[24]	0.00	0.00	0.00	0.00	0.00	0.00
22	gLCB21(max)	I[24]	-3.88	0.00	0.16	0.00	1.75	0.00
22	gLCB22(max)	I[24]	0.18	0.00	0.08	0.00	0.87	0.00
22	gLCB23(max)	I[24]	-4.06	0.00	0.08	0.00	0.87	0.00
22	gLCB24(max)	I[24]	0.00	0.00	0.00	0.00	0.00	0.00
22	gLCB17(min)	I[24]	-12.38	0.00	-0.75	0.00	-8.26	0.00
22	gLCB18(min)	I[24]	-8.33	0.00	-0.83	0.00	-9.13	0.00
22	gLCB19(min)	I[24]	-12.56	0.00	-0.83	0.00	-9.13	0.00
22	gLCB20(min)	I[24]	-8.51	0.00	-0.91	0.00	-10.01	0.00
22	gLCB21(min)	I[24]	-16.38	0.00	-1.20	0.00	-13.15	0.00
22	gLCB22(min)	I[24]	-12.33	0.00	-1.27	0.00	-14.02	0.00
22	gLCB23(min)	I[24]	-16.56	0.00	-1.27	0.00	-14.02	0.00
22	gLCB24(min)	I[24]	-12.51	0.00	-1.35	0.00	-14.90	0.00
23	gLCB1	I[23]	-18.64	0.00	-1.24	0.00	-88.24	0.00
23	gLCB2	I[23]	-16.84	0.00	-1.14	0.00	-89.40	0.00
23	gLCB3	I[23]	-18.64	0.00	-1.11	0.00	-25.56	0.00
23	gLCB4	I[23]	-16.84	0.00	-1.00	0.00	-26.72	0.00
23	gLCB5	I[23]	-16.95	0.00	-1.11	0.00	-89.67	0.00
23	gLCB6	I[23]	-15.16	0.00	-1.01	0.00	-90.83	0.00
23	gLCB7	I[23]	-16.95	0.00	-0.98	0.00	-26.99	0.00
23	gLCB8	I[23]	-15.16	0.00	-0.87	0.00	-28.15	0.00
23	gLCB9	I[23]	-15.76	0.00	-1.11	0.00	-89.73	0.00
23	gLCB10	I[23]	-13.96	0.00	-1.00	0.00	-90.89	0.00
23	gLCB11	I[23]	-15.76	0.00	-0.97	0.00	-27.05	0.00
23	gLCB12	I[23]	-13.96	0.00	-0.87	0.00	-28.21	0.00
23	gLCB13	I[23]	-14.08	0.00	-0.98	0.00	-91.16	0.00
23	gLCB14	I[23]	-12.28	0.00	-0.87	0.00	-92.32	0.00
23	gLCB15	I[23]	-14.08	0.00	-0.84	0.00	-28.48	0.00
23	gLCB16	I[23]	-12.28	0.00	-0.74	0.00	-29.64	0.00
23	gLCB17(max)	I[23]	-3.88	0.00	0.16	0.00	8.26	0.00
23	gLCB18(max)	I[23]	-4.06	0.00	0.08	0.00	9.13	0.00
23	gLCB19(max)	I[23]	0.18	0.00	0.08	0.00	9.13	0.00
23	gLCB20(max)	I[23]	0.00	0.00	0.00	0.00	10.01	0.00
23	gLCB21(max)	I[23]	-3.88	0.00	0.16	0.00	13.15	0.00
23	gLCB22(max)	I[23]	-4.06	0.00	0.08	0.00	14.02	0.00
23	gLCB23(max)	I[23]	0.18	0.00	0.08	0.00	14.02	0.00
23	gLCB24(max)	I[23]	0.00	0.00	0.00	0.00	14.90	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
23	gLCB17(min)	I[23]	-12.38	0.00	-0.75	0.00	-1.75	0.00
23	gLCB18(min)	I[23]	-12.56	0.00	-0.83	0.00	-0.87	0.00
23	gLCB19(min)	I[23]	-8.33	0.00	-0.83	0.00	-0.87	0.00
23	gLCB20(min)	I[23]	-8.51	0.00	-0.91	0.00	0.00	0.00
23	gLCB21(min)	I[23]	-16.38	0.00	-1.20	0.00	-1.75	0.00
23	gLCB22(min)	I[23]	-16.56	0.00	-1.27	0.00	-0.87	0.00
23	gLCB23(min)	I[23]	-12.33	0.00	-1.27	0.00	-0.87	0.00
23	gLCB24(min)	I[23]	-12.51	0.00	-1.35	0.00	0.00	0.00
24	gLCB1	I[26]	-18.26	0.00	-2.60	0.00	86.32	0.00
24	gLCB2	I[26]	-16.47	0.00	-2.49	0.00	87.58	0.00
24	gLCB3	I[26]	-18.26	0.00	-1.61	0.00	24.20	0.00
24	gLCB4	I[26]	-16.47	0.00	-1.50	0.00	25.46	0.00
24	gLCB5	I[26]	-16.58	0.00	-2.47	0.00	87.88	0.00
24	gLCB6	I[26]	-14.78	0.00	-2.36	0.00	89.14	0.00
24	gLCB7	I[26]	-16.58	0.00	-1.48	0.00	25.76	0.00
24	gLCB8	I[26]	-14.78	0.00	-1.37	0.00	27.02	0.00
24	gLCB9	I[26]	-15.49	0.00	-2.46	0.00	87.94	0.00
24	gLCB10	I[26]	-13.69	0.00	-2.36	0.00	89.20	0.00
24	gLCB11	I[26]	-15.49	0.00	-1.47	0.00	25.82	0.00
24	gLCB12	I[26]	-13.69	0.00	-1.37	0.00	27.09	0.00
24	gLCB13	I[26]	-13.81	0.00	-2.33	0.00	89.50	0.00
24	gLCB14	I[26]	-12.01	0.00	-2.23	0.00	90.76	0.00
24	gLCB15	I[26]	-13.81	0.00	-1.34	0.00	27.38	0.00
24	gLCB16	I[26]	-12.01	0.00	-1.24	0.00	28.65	0.00
24	gLCB17(max)	I[26]	-3.88	0.00	0.16	0.00	1.91	0.00
24	gLCB18(max)	I[26]	0.18	0.00	0.08	0.00	0.95	0.00
24	gLCB19(max)	I[26]	-4.06	0.00	0.08	0.00	0.95	0.00
24	gLCB20(max)	I[26]	0.00	0.00	0.00	0.00	0.00	0.00
24	gLCB21(max)	I[26]	-3.88	0.00	0.16	0.00	1.91	0.00
24	gLCB22(max)	I[26]	0.18	0.00	0.08	0.00	0.95	0.00
24	gLCB23(max)	I[26]	-4.06	0.00	0.08	0.00	0.95	0.00
24	gLCB24(max)	I[26]	0.00	0.00	0.00	0.00	0.00	0.00
24	gLCB17(min)	I[26]	-12.38	0.00	-0.75	0.00	-9.01	0.00
24	gLCB18(min)	I[26]	-8.33	0.00	-0.83	0.00	-9.96	0.00
24	gLCB19(min)	I[26]	-12.56	0.00	-0.83	0.00	-9.96	0.00
24	gLCB20(min)	I[26]	-8.51	0.00	-0.91	0.00	-10.92	0.00
24	gLCB21(min)	I[26]	-16.38	0.00	-1.20	0.00	-14.35	0.00
24	gLCB22(min)	I[26]	-12.33	0.00	-1.27	0.00	-15.30	0.00
24	gLCB23(min)	I[26]	-16.56	0.00	-1.27	0.00	-15.30	0.00
24	gLCB24(min)	I[26]	-12.51	0.00	-1.35	0.00	-16.25	0.00
25	gLCB1	I[25]	-18.26	0.00	-2.60	0.00	-86.32	0.00
25	gLCB2	I[25]	-16.47	0.00	-2.49	0.00	-87.58	0.00
25	gLCB3	I[25]	-18.26	0.00	-1.61	0.00	-24.20	0.00
25	gLCB4	I[25]	-16.47	0.00	-1.50	0.00	-25.46	0.00
25	gLCB5	I[25]	-16.58	0.00	-2.47	0.00	-87.88	0.00
25	gLCB6	I[25]	-14.78	0.00	-2.36	0.00	-89.14	0.00
25	gLCB7	I[25]	-16.58	0.00	-1.48	0.00	-25.76	0.00
25	gLCB8	I[25]	-14.78	0.00	-1.37	0.00	-27.02	0.00
25	gLCB9	I[25]	-15.49	0.00	-2.46	0.00	-87.94	0.00
25	gLCB10	I[25]	-13.69	0.00	-2.36	0.00	-89.20	0.00
25	gLCB11	I[25]	-15.49	0.00	-1.47	0.00	-25.82	0.00
25	gLCB12	I[25]	-13.69	0.00	-1.37	0.00	-27.09	0.00
25	gLCB13	I[25]	-13.81	0.00	-2.33	0.00	-89.50	0.00
25	gLCB14	I[25]	-12.01	0.00	-2.23	0.00	-90.76	0.00
25	gLCB15	I[25]	-13.81	0.00	-1.34	0.00	-27.38	0.00
25	gLCB16	I[25]	-12.01	0.00	-1.24	0.00	-28.65	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
25	gLCB17(max)	I[25]	-3.88	0.00	0.16	0.00	9.01	0.00
25	gLCB18(max)	I[25]	-4.06	0.00	0.08	0.00	9.96	0.00
25	gLCB19(max)	I[25]	0.18	0.00	0.08	0.00	9.96	0.00
25	gLCB20(max)	I[25]	0.00	0.00	0.00	0.00	10.92	0.00
25	gLCB21(max)	I[25]	-3.88	0.00	0.16	0.00	14.35	0.00
25	gLCB22(max)	I[25]	-4.06	0.00	0.08	0.00	15.30	0.00
25	gLCB23(max)	I[25]	0.18	0.00	0.08	0.00	15.30	0.00
25	gLCB24(max)	I[25]	0.00	0.00	0.00	0.00	16.25	0.00
25	gLCB17(min)	I[25]	-12.38	0.00	-0.75	0.00	-1.91	0.00
25	gLCB18(min)	I[25]	-12.56	0.00	-0.83	0.00	-0.95	0.00
25	gLCB19(min)	I[25]	-8.33	0.00	-0.83	0.00	-0.95	0.00
25	gLCB20(min)	I[25]	-8.51	0.00	-0.91	0.00	0.00	0.00
25	gLCB21(min)	I[25]	-16.38	0.00	-1.20	0.00	-1.91	0.00
25	gLCB22(min)	I[25]	-16.56	0.00	-1.27	0.00	-0.95	0.00
25	gLCB23(min)	I[25]	-12.33	0.00	-1.27	0.00	-0.95	0.00
25	gLCB24(min)	I[25]	-12.51	0.00	-1.35	0.00	0.00	0.00
26	gLCB1	I[28]	-17.89	0.00	-3.87	0.00	83.07	0.00
26	gLCB2	I[28]	-16.09	0.00	-3.77	0.00	84.44	0.00
26	gLCB3	I[28]	-17.89	0.00	-2.08	0.00	22.35	0.00
26	gLCB4	I[28]	-16.09	0.00	-1.98	0.00	23.72	0.00
26	gLCB5	I[28]	-16.20	0.00	-3.74	0.00	84.76	0.00
26	gLCB6	I[28]	-14.41	0.00	-3.64	0.00	86.13	0.00
26	gLCB7	I[28]	-16.20	0.00	-1.95	0.00	24.04	0.00
26	gLCB8	I[28]	-14.41	0.00	-1.85	0.00	25.41	0.00
26	gLCB9	I[28]	-15.22	0.00	-3.74	0.00	84.83	0.00
26	gLCB10	I[28]	-13.42	0.00	-3.63	0.00	86.20	0.00
26	gLCB11	I[28]	-15.22	0.00	-1.95	0.00	24.11	0.00
26	gLCB12	I[28]	-13.42	0.00	-1.84	0.00	25.48	0.00
26	gLCB13	I[28]	-13.54	0.00	-3.61	0.00	86.52	0.00
26	gLCB14	I[28]	-11.74	0.00	-3.50	0.00	87.89	0.00
26	gLCB15	I[28]	-13.54	0.00	-1.82	0.00	25.80	0.00
26	gLCB16	I[28]	-11.74	0.00	-1.71	0.00	27.17	0.00
26	gLCB17(max)	I[28]	-3.88	0.00	0.16	0.00	2.06	0.00
26	gLCB18(max)	I[28]	0.18	0.00	0.08	0.00	1.03	0.00
26	gLCB19(max)	I[28]	-4.06	0.00	0.08	0.00	1.03	0.00
26	gLCB20(max)	I[28]	0.00	0.00	0.00	0.00	0.00	0.00
26	gLCB21(max)	I[28]	-3.88	0.00	0.16	0.00	2.06	0.00
26	gLCB22(max)	I[28]	0.18	0.00	0.08	0.00	1.03	0.00
26	gLCB23(max)	I[28]	-4.06	0.00	0.08	0.00	1.03	0.00
26	gLCB24(max)	I[28]	0.00	0.00	0.00	0.00	0.00	0.00
26	gLCB17(min)	I[28]	-12.38	0.00	-0.75	0.00	-9.76	0.00
26	gLCB18(min)	I[28]	-8.33	0.00	-0.83	0.00	-10.79	0.00
26	gLCB19(min)	I[28]	-12.56	0.00	-0.83	0.00	-10.79	0.00
26	gLCB20(min)	I[28]	-8.51	0.00	-0.91	0.00	-11.83	0.00
26	gLCB21(min)	I[28]	-16.38	0.00	-1.20	0.00	-15.54	0.00
26	gLCB22(min)	I[28]	-12.33	0.00	-1.27	0.00	-16.57	0.00
26	gLCB23(min)	I[28]	-16.56	0.00	-1.27	0.00	-16.57	0.00
26	gLCB24(min)	I[28]	-12.51	0.00	-1.35	0.00	-17.61	0.00
27	gLCB1	I[27]	-17.89	0.00	-3.87	0.00	-83.07	0.00
27	gLCB2	I[27]	-16.09	0.00	-3.77	0.00	-84.44	0.00
27	gLCB3	I[27]	-17.89	0.00	-2.08	0.00	-22.35	0.00
27	gLCB4	I[27]	-16.09	0.00	-1.98	0.00	-23.72	0.00
27	gLCB5	I[27]	-16.20	0.00	-3.74	0.00	-84.76	0.00
27	gLCB6	I[27]	-14.41	0.00	-3.64	0.00	-86.13	0.00
27	gLCB7	I[27]	-16.20	0.00	-1.95	0.00	-24.04	0.00
27	gLCB8	I[27]	-14.41	0.00	-1.85	0.00	-25.41	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
27	gLCB9	I[27]	-15.22	0.00	-3.74	0.00	-84.83	0.00
27	gLCB10	I[27]	-13.42	0.00	-3.63	0.00	-86.20	0.00
27	gLCB11	I[27]	-15.22	0.00	-1.95	0.00	-24.11	0.00
27	gLCB12	I[27]	-13.42	0.00	-1.84	0.00	-25.48	0.00
27	gLCB13	I[27]	-13.54	0.00	-3.61	0.00	-86.52	0.00
27	gLCB14	I[27]	-11.74	0.00	-3.50	0.00	-87.89	0.00
27	gLCB15	I[27]	-13.54	0.00	-1.82	0.00	-25.80	0.00
27	gLCB16	I[27]	-11.74	0.00	-1.71	0.00	-27.17	0.00
27	gLCB17(max)	I[27]	-3.88	0.00	0.16	0.00	9.76	0.00
27	gLCB18(max)	I[27]	-4.06	0.00	0.08	0.00	10.79	0.00
27	gLCB19(max)	I[27]	0.18	0.00	0.08	0.00	10.79	0.00
27	gLCB20(max)	I[27]	0.00	0.00	0.00	0.00	11.83	0.00
27	gLCB21(max)	I[27]	-3.88	0.00	0.16	0.00	15.54	0.00
27	gLCB22(max)	I[27]	-4.06	0.00	0.08	0.00	16.57	0.00
27	gLCB23(max)	I[27]	0.18	0.00	0.08	0.00	16.57	0.00
27	gLCB24(max)	I[27]	0.00	0.00	0.00	0.00	17.61	0.00
27	gLCB17(min)	I[27]	-12.38	0.00	-0.75	0.00	-2.06	0.00
27	gLCB18(min)	I[27]	-12.56	0.00	-0.83	0.00	-1.03	0.00
27	gLCB19(min)	I[27]	-8.33	0.00	-0.83	0.00	-1.03	0.00
27	gLCB20(min)	I[27]	-8.51	0.00	-0.91	0.00	0.00	0.00
27	gLCB21(min)	I[27]	-16.38	0.00	-1.20	0.00	-2.06	0.00
27	gLCB22(min)	I[27]	-16.56	0.00	-1.27	0.00	-1.03	0.00
27	gLCB23(min)	I[27]	-12.33	0.00	-1.27	0.00	-1.03	0.00
27	gLCB24(min)	I[27]	-12.51	0.00	-1.35	0.00	0.00	0.00
28	gLCB1	I[30]	-17.51	0.00	-5.07	0.00	78.60	0.00
28	gLCB2	I[30]	-15.72	0.00	-4.96	0.00	80.07	0.00
28	gLCB3	I[30]	-17.51	0.00	-2.52	0.00	20.04	0.00
28	gLCB4	I[30]	-15.72	0.00	-2.42	0.00	21.52	0.00
28	gLCB5	I[30]	-15.83	0.00	-4.94	0.00	80.42	0.00
28	gLCB6	I[30]	-14.03	0.00	-4.83	0.00	81.89	0.00
28	gLCB7	I[30]	-15.83	0.00	-2.39	0.00	21.86	0.00
28	gLCB8	I[30]	-14.03	0.00	-2.29	0.00	23.34	0.00
28	gLCB9	I[30]	-14.95	0.00	-4.93	0.00	80.49	0.00
28	gLCB10	I[30]	-13.15	0.00	-4.83	0.00	81.96	0.00
28	gLCB11	I[30]	-14.95	0.00	-2.39	0.00	21.94	0.00
28	gLCB12	I[30]	-13.15	0.00	-2.28	0.00	23.41	0.00
28	gLCB13	I[30]	-13.27	0.00	-4.80	0.00	82.31	0.00
28	gLCB14	I[30]	-11.47	0.00	-4.70	0.00	83.78	0.00
28	gLCB15	I[30]	-13.27	0.00	-2.26	0.00	23.76	0.00
28	gLCB16	I[30]	-11.47	0.00	-2.15	0.00	25.23	0.00
28	gLCB17(max)	I[30]	-3.88	0.00	0.16	0.00	2.22	0.00
28	gLCB18(max)	I[30]	0.18	0.00	0.08	0.00	1.11	0.00
28	gLCB19(max)	I[30]	-4.06	0.00	0.08	0.00	1.11	0.00
28	gLCB20(max)	I[30]	0.00	0.00	0.00	0.00	0.00	0.00
28	gLCB21(max)	I[30]	-3.88	0.00	0.16	0.00	2.22	0.00
28	gLCB22(max)	I[30]	0.18	0.00	0.08	0.00	1.11	0.00
28	gLCB23(max)	I[30]	-4.06	0.00	0.08	0.00	1.11	0.00
28	gLCB24(max)	I[30]	0.00	0.00	0.00	0.00	0.00	0.00
28	gLCB17(min)	I[30]	-12.38	0.00	-0.75	0.00	-10.51	0.00
28	gLCB18(min)	I[30]	-8.33	0.00	-0.83	0.00	-11.62	0.00
28	gLCB19(min)	I[30]	-12.56	0.00	-0.83	0.00	-11.62	0.00
28	gLCB20(min)	I[30]	-8.51	0.00	-0.91	0.00	-12.73	0.00
28	gLCB21(min)	I[30]	-16.38	0.00	-1.20	0.00	-16.74	0.00
28	gLCB22(min)	I[30]	-12.33	0.00	-1.27	0.00	-17.85	0.00
28	gLCB23(min)	I[30]	-16.56	0.00	-1.27	0.00	-17.85	0.00
28	gLCB24(min)	I[30]	-12.51	0.00	-1.35	0.00	-18.96	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
29	gLCB1	I[29]	-17.51	0.00	-5.07	0.00	-78.60	0.00
29	gLCB2	I[29]	-15.72	0.00	-4.96	0.00	-80.07	0.00
29	gLCB3	I[29]	-17.51	0.00	-2.52	0.00	-20.04	0.00
29	gLCB4	I[29]	-15.72	0.00	-2.42	0.00	-21.52	0.00
29	gLCB5	I[29]	-15.83	0.00	-4.94	0.00	-80.42	0.00
29	gLCB6	I[29]	-14.03	0.00	-4.83	0.00	-81.89	0.00
29	gLCB7	I[29]	-15.83	0.00	-2.39	0.00	-21.86	0.00
29	gLCB8	I[29]	-14.03	0.00	-2.29	0.00	-23.34	0.00
29	gLCB9	I[29]	-14.95	0.00	-4.93	0.00	-80.49	0.00
29	gLCB10	I[29]	-13.15	0.00	-4.83	0.00	-81.96	0.00
29	gLCB11	I[29]	-14.95	0.00	-2.39	0.00	-21.94	0.00
29	gLCB12	I[29]	-13.15	0.00	-2.28	0.00	-23.41	0.00
29	gLCB13	I[29]	-13.27	0.00	-4.80	0.00	-82.31	0.00
29	gLCB14	I[29]	-11.47	0.00	-4.70	0.00	-83.78	0.00
29	gLCB15	I[29]	-13.27	0.00	-2.26	0.00	-23.76	0.00
29	gLCB16	I[29]	-11.47	0.00	-2.15	0.00	-25.23	0.00
29	gLCB17(max)	I[29]	-3.88	0.00	0.16	0.00	10.51	0.00
29	gLCB18(max)	I[29]	-4.06	0.00	0.08	0.00	11.62	0.00
29	gLCB19(max)	I[29]	0.18	0.00	0.08	0.00	11.62	0.00
29	gLCB20(max)	I[29]	0.00	0.00	0.00	0.00	12.73	0.00
29	gLCB21(max)	I[29]	-3.88	0.00	0.16	0.00	16.74	0.00
29	gLCB22(max)	I[29]	-4.06	0.00	0.08	0.00	17.85	0.00
29	gLCB23(max)	I[29]	0.18	0.00	0.08	0.00	17.85	0.00
29	gLCB24(max)	I[29]	0.00	0.00	0.00	0.00	18.96	0.00
29	gLCB17(min)	I[29]	-12.38	0.00	-0.75	0.00	-2.22	0.00
29	gLCB18(min)	I[29]	-12.56	0.00	-0.83	0.00	-1.11	0.00
29	gLCB19(min)	I[29]	-8.33	0.00	-0.83	0.00	-1.11	0.00
29	gLCB20(min)	I[29]	-8.51	0.00	-0.91	0.00	0.00	0.00
29	gLCB21(min)	I[29]	-16.38	0.00	-1.20	0.00	-2.22	0.00
29	gLCB22(min)	I[29]	-16.56	0.00	-1.27	0.00	-1.11	0.00
29	gLCB23(min)	I[29]	-12.33	0.00	-1.27	0.00	-1.11	0.00
29	gLCB24(min)	I[29]	-12.51	0.00	-1.35	0.00	0.00	0.00
30	gLCB1	I[32]	-17.14	0.00	-6.19	0.00	72.96	0.00
30	gLCB2	I[32]	-15.34	0.00	-6.08	0.00	74.54	0.00
30	gLCB3	I[32]	-17.14	0.00	-2.94	0.00	17.31	0.00
30	gLCB4	I[32]	-15.34	0.00	-2.83	0.00	18.89	0.00
30	gLCB5	I[32]	-15.45	0.00	-6.06	0.00	74.91	0.00
30	gLCB6	I[32]	-13.66	0.00	-5.95	0.00	76.49	0.00
30	gLCB7	I[32]	-15.45	0.00	-2.81	0.00	19.26	0.00
30	gLCB8	I[32]	-13.66	0.00	-2.70	0.00	20.84	0.00
30	gLCB9	I[32]	-14.68	0.00	-6.05	0.00	74.99	0.00
30	gLCB10	I[32]	-12.88	0.00	-5.94	0.00	76.57	0.00
30	gLCB11	I[32]	-14.68	0.00	-2.80	0.00	19.34	0.00
30	gLCB12	I[32]	-12.88	0.00	-2.70	0.00	20.92	0.00
30	gLCB13	I[32]	-13.00	0.00	-5.92	0.00	76.94	0.00
30	gLCB14	I[32]	-11.20	0.00	-5.81	0.00	78.52	0.00
30	gLCB15	I[32]	-13.00	0.00	-2.67	0.00	21.29	0.00
30	gLCB16	I[32]	-11.20	0.00	-2.57	0.00	22.87	0.00
30	gLCB17(max)	I[32]	-3.88	0.00	0.16	0.00	2.38	0.00
30	gLCB18(max)	I[32]	0.18	0.00	0.08	0.00	1.19	0.00
30	gLCB19(max)	I[32]	-4.06	0.00	0.08	0.00	1.19	0.00
30	gLCB20(max)	I[32]	0.00	0.00	0.00	0.00	0.00	0.00
30	gLCB21(max)	I[32]	-3.88	0.00	0.16	0.00	2.38	0.00
30	gLCB22(max)	I[32]	0.18	0.00	0.08	0.00	1.19	0.00
30	gLCB23(max)	I[32]	-4.06	0.00	0.08	0.00	1.19	0.00
30	gLCB24(max)	I[32]	0.00	0.00	0.00	0.00	0.00	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
30	gLCB17(min)	I[32]	-12.38	0.00	-0.75	0.00	-11.26	0.00
30	gLCB18(min)	I[32]	-8.33	0.00	-0.83	0.00	-12.45	0.00
30	gLCB19(min)	I[32]	-12.56	0.00	-0.83	0.00	-12.45	0.00
30	gLCB20(min)	I[32]	-8.51	0.00	-0.91	0.00	-13.64	0.00
30	gLCB21(min)	I[32]	-16.38	0.00	-1.20	0.00	-17.93	0.00
30	gLCB22(min)	I[32]	-12.33	0.00	-1.27	0.00	-19.12	0.00
30	gLCB23(min)	I[32]	-16.56	0.00	-1.27	0.00	-19.12	0.00
30	gLCB24(min)	I[32]	-12.51	0.00	-1.35	0.00	-20.31	0.00
31	gLCB1	I[31]	-17.14	0.00	-6.19	0.00	-72.96	0.00
31	gLCB2	I[31]	-15.34	0.00	-6.08	0.00	-74.54	0.00
31	gLCB3	I[31]	-17.14	0.00	-2.94	0.00	-17.31	0.00
31	gLCB4	I[31]	-15.34	0.00	-2.83	0.00	-18.89	0.00
31	gLCB5	I[31]	-15.45	0.00	-6.06	0.00	-74.91	0.00
31	gLCB6	I[31]	-13.66	0.00	-5.95	0.00	-76.49	0.00
31	gLCB7	I[31]	-15.45	0.00	-2.81	0.00	-19.26	0.00
31	gLCB8	I[31]	-13.66	0.00	-2.70	0.00	-20.84	0.00
31	gLCB9	I[31]	-14.68	0.00	-6.05	0.00	-74.99	0.00
31	gLCB10	I[31]	-12.88	0.00	-5.94	0.00	-76.57	0.00
31	gLCB11	I[31]	-14.68	0.00	-2.80	0.00	-19.34	0.00
31	gLCB12	I[31]	-12.88	0.00	-2.70	0.00	-20.92	0.00
31	gLCB13	I[31]	-13.00	0.00	-5.92	0.00	-76.94	0.00
31	gLCB14	I[31]	-11.20	0.00	-5.81	0.00	-78.52	0.00
31	gLCB15	I[31]	-13.00	0.00	-2.67	0.00	-21.29	0.00
31	gLCB16	I[31]	-11.20	0.00	-2.57	0.00	-22.87	0.00
31	gLCB17(max)	I[31]	-3.88	0.00	0.16	0.00	11.26	0.00
31	gLCB18(max)	I[31]	-4.06	0.00	0.08	0.00	12.45	0.00
31	gLCB19(max)	I[31]	0.18	0.00	0.08	0.00	12.45	0.00
31	gLCB20(max)	I[31]	0.00	0.00	0.00	0.00	13.64	0.00
31	gLCB21(max)	I[31]	-3.88	0.00	0.16	0.00	17.93	0.00
31	gLCB22(max)	I[31]	-4.06	0.00	0.08	0.00	19.12	0.00
31	gLCB23(max)	I[31]	0.18	0.00	0.08	0.00	19.12	0.00
31	gLCB24(max)	I[31]	0.00	0.00	0.00	0.00	20.31	0.00
31	gLCB17(min)	I[31]	-12.38	0.00	-0.75	0.00	-2.38	0.00
31	gLCB18(min)	I[31]	-12.56	0.00	-0.83	0.00	-1.19	0.00
31	gLCB19(min)	I[31]	-8.33	0.00	-0.83	0.00	-1.19	0.00
31	gLCB20(min)	I[31]	-8.51	0.00	-0.91	0.00	0.00	0.00
31	gLCB21(min)	I[31]	-16.38	0.00	-1.20	0.00	-2.38	0.00
31	gLCB22(min)	I[31]	-16.56	0.00	-1.27	0.00	-1.19	0.00
31	gLCB23(min)	I[31]	-12.33	0.00	-1.27	0.00	-1.19	0.00
31	gLCB24(min)	I[31]	-12.51	0.00	-1.35	0.00	0.00	0.00
32	gLCB1	I[34]	-16.76	0.00	-7.22	0.00	66.25	0.00
32	gLCB2	I[34]	-14.97	0.00	-7.12	0.00	67.94	0.00
32	gLCB3	I[34]	-16.76	0.00	-3.32	0.00	14.18	0.00
32	gLCB4	I[34]	-14.97	0.00	-3.22	0.00	15.86	0.00
32	gLCB5	I[34]	-15.08	0.00	-7.09	0.00	68.33	0.00
32	gLCB6	I[34]	-13.28	0.00	-6.99	0.00	70.02	0.00
32	gLCB7	I[34]	-15.08	0.00	-3.19	0.00	16.26	0.00
32	gLCB8	I[34]	-13.28	0.00	-3.09	0.00	17.94	0.00
32	gLCB9	I[34]	-14.41	0.00	-7.09	0.00	68.42	0.00
32	gLCB10	I[34]	-12.61	0.00	-6.98	0.00	70.10	0.00
32	gLCB11	I[34]	-14.41	0.00	-3.19	0.00	16.34	0.00
32	gLCB12	I[34]	-12.61	0.00	-3.08	0.00	18.03	0.00
32	gLCB13	I[34]	-12.73	0.00	-6.96	0.00	70.50	0.00
32	gLCB14	I[34]	-10.93	0.00	-6.85	0.00	72.18	0.00
32	gLCB15	I[34]	-12.73	0.00	-3.06	0.00	18.42	0.00
32	gLCB16	I[34]	-10.93	0.00	-2.95	0.00	20.11	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
32	gLCB17(max)	I[34]	-3.88	0.00	0.16	0.00	2.54	0.00
32	gLCB18(max)	I[34]	0.18	0.00	0.08	0.00	1.27	0.00
32	gLCB19(max)	I[34]	-4.06	0.00	0.08	0.00	1.27	0.00
32	gLCB20(max)	I[34]	0.00	0.00	0.00	0.00	0.00	0.00
32	gLCB21(max)	I[34]	-3.88	0.00	0.16	0.00	2.54	0.00
32	gLCB22(max)	I[34]	0.18	0.00	0.08	0.00	1.27	0.00
32	gLCB23(max)	I[34]	-4.06	0.00	0.08	0.00	1.27	0.00
32	gLCB24(max)	I[34]	0.00	0.00	0.00	0.00	0.00	0.00
32	gLCB17(min)	I[34]	-12.38	0.00	-0.75	0.00	-12.01	0.00
32	gLCB18(min)	I[34]	-8.33	0.00	-0.83	0.00	-13.28	0.00
32	gLCB19(min)	I[34]	-12.56	0.00	-0.83	0.00	-13.28	0.00
32	gLCB20(min)	I[34]	-8.51	0.00	-0.91	0.00	-14.55	0.00
32	gLCB21(min)	I[34]	-16.38	0.00	-1.20	0.00	-19.13	0.00
32	gLCB22(min)	I[34]	-12.33	0.00	-1.27	0.00	-20.40	0.00
32	gLCB23(min)	I[34]	-16.56	0.00	-1.27	0.00	-20.40	0.00
32	gLCB24(min)	I[34]	-12.51	0.00	-1.35	0.00	-21.67	0.00
33	gLCB1	I[33]	-16.76	0.00	-7.22	0.00	-66.25	0.00
33	gLCB2	I[33]	-14.97	0.00	-7.12	0.00	-67.94	0.00
33	gLCB3	I[33]	-16.76	0.00	-3.32	0.00	-14.18	0.00
33	gLCB4	I[33]	-14.97	0.00	-3.22	0.00	-15.86	0.00
33	gLCB5	I[33]	-15.08	0.00	-7.09	0.00	-68.33	0.00
33	gLCB6	I[33]	-13.28	0.00	-6.99	0.00	-70.02	0.00
33	gLCB7	I[33]	-15.08	0.00	-3.19	0.00	-16.26	0.00
33	gLCB8	I[33]	-13.28	0.00	-3.09	0.00	-17.94	0.00
33	gLCB9	I[33]	-14.41	0.00	-7.09	0.00	-68.42	0.00
33	gLCB10	I[33]	-12.61	0.00	-6.98	0.00	-70.10	0.00
33	gLCB11	I[33]	-14.41	0.00	-3.19	0.00	-16.34	0.00
33	gLCB12	I[33]	-12.61	0.00	-3.08	0.00	-18.03	0.00
33	gLCB13	I[33]	-12.73	0.00	-6.96	0.00	-70.50	0.00
33	gLCB14	I[33]	-10.93	0.00	-6.85	0.00	-72.18	0.00
33	gLCB15	I[33]	-12.73	0.00	-3.06	0.00	-18.42	0.00
33	gLCB16	I[33]	-10.93	0.00	-2.95	0.00	-20.11	0.00
33	gLCB17(max)	I[33]	-3.88	0.00	0.16	0.00	12.01	0.00
33	gLCB18(max)	I[33]	-4.06	0.00	0.08	0.00	13.28	0.00
33	gLCB19(max)	I[33]	0.18	0.00	0.08	0.00	13.28	0.00
33	gLCB20(max)	I[33]	0.00	0.00	0.00	0.00	14.55	0.00
33	gLCB21(max)	I[33]	-3.88	0.00	0.16	0.00	19.13	0.00
33	gLCB22(max)	I[33]	-4.06	0.00	0.08	0.00	20.40	0.00
33	gLCB23(max)	I[33]	0.18	0.00	0.08	0.00	20.40	0.00
33	gLCB24(max)	I[33]	0.00	0.00	0.00	0.00	21.67	0.00
33	gLCB17(min)	I[33]	-12.38	0.00	-0.75	0.00	-2.54	0.00
33	gLCB18(min)	I[33]	-12.56	0.00	-0.83	0.00	-1.27	0.00
33	gLCB19(min)	I[33]	-8.33	0.00	-0.83	0.00	-1.27	0.00
33	gLCB20(min)	I[33]	-8.51	0.00	-0.91	0.00	0.00	0.00
33	gLCB21(min)	I[33]	-16.38	0.00	-1.20	0.00	-2.54	0.00
33	gLCB22(min)	I[33]	-16.56	0.00	-1.27	0.00	-1.27	0.00
33	gLCB23(min)	I[33]	-12.33	0.00	-1.27	0.00	-1.27	0.00
33	gLCB24(min)	I[33]	-12.51	0.00	-1.35	0.00	0.00	0.00
34	gLCB1	I[36]	-16.39	0.00	-8.18	0.00	58.54	0.00
34	gLCB2	I[36]	-14.59	0.00	-8.07	0.00	60.33	0.00
34	gLCB3	I[36]	-16.39	0.00	-3.68	0.00	10.68	0.00
34	gLCB4	I[36]	-14.59	0.00	-3.57	0.00	12.47	0.00
34	gLCB5	I[36]	-14.70	0.00	-8.05	0.00	60.75	0.00
34	gLCB6	I[36]	-12.91	0.00	-7.94	0.00	62.54	0.00
34	gLCB7	I[36]	-14.70	0.00	-3.55	0.00	12.88	0.00
34	gLCB8	I[36]	-12.91	0.00	-3.44	0.00	14.68	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
34	gLCB9	I[36]	-14.14	0.00	-8.04	0.00	60.84	0.00
34	gLCB10	I[36]	-12.34	0.00	-7.94	0.00	62.63	0.00
34	gLCB11	I[36]	-14.14	0.00	-3.54	0.00	12.97	0.00
34	gLCB12	I[36]	-12.34	0.00	-3.44	0.00	14.77	0.00
34	gLCB13	I[36]	-12.46	0.00	-7.91	0.00	63.05	0.00
34	gLCB14	I[36]	-10.66	0.00	-7.81	0.00	64.84	0.00
34	gLCB15	I[36]	-12.46	0.00	-3.41	0.00	15.18	0.00
34	gLCB16	I[36]	-10.66	0.00	-3.31	0.00	16.97	0.00
34	gLCB17(max)	I[36]	-3.88	0.00	0.16	0.00	2.70	0.00
34	gLCB18(max)	I[36]	0.18	0.00	0.08	0.00	1.35	0.00
34	gLCB19(max)	I[36]	-4.06	0.00	0.08	0.00	1.35	0.00
34	gLCB20(max)	I[36]	0.00	0.00	0.00	0.00	0.00	0.00
34	gLCB21(max)	I[36]	-3.88	0.00	0.16	0.00	2.70	0.00
34	gLCB22(max)	I[36]	0.18	0.00	0.08	0.00	1.35	0.00
34	gLCB23(max)	I[36]	-4.06	0.00	0.08	0.00	1.35	0.00
34	gLCB24(max)	I[36]	0.00	0.00	0.00	0.00	0.00	0.00
34	gLCB17(min)	I[36]	-12.38	0.00	-0.75	0.00	-12.76	0.00
34	gLCB18(min)	I[36]	-8.33	0.00	-0.83	0.00	-14.11	0.00
34	gLCB19(min)	I[36]	-12.56	0.00	-0.83	0.00	-14.11	0.00
34	gLCB20(min)	I[36]	-8.51	0.00	-0.91	0.00	-15.46	0.00
34	gLCB21(min)	I[36]	-16.38	0.00	-1.20	0.00	-20.32	0.00
34	gLCB22(min)	I[36]	-12.33	0.00	-1.27	0.00	-21.67	0.00
34	gLCB23(min)	I[36]	-16.56	0.00	-1.27	0.00	-21.67	0.00
34	gLCB24(min)	I[36]	-12.51	0.00	-1.35	0.00	-23.02	0.00
35	gLCB1	I[35]	-16.39	0.00	-8.18	0.00	-58.54	0.00
35	gLCB2	I[35]	-14.59	0.00	-8.07	0.00	-60.33	0.00
35	gLCB3	I[35]	-16.39	0.00	-3.68	0.00	-10.68	0.00
35	gLCB4	I[35]	-14.59	0.00	-3.57	0.00	-12.47	0.00
35	gLCB5	I[35]	-14.70	0.00	-8.05	0.00	-60.75	0.00
35	gLCB6	I[35]	-12.91	0.00	-7.94	0.00	-62.54	0.00
35	gLCB7	I[35]	-14.70	0.00	-3.55	0.00	-12.88	0.00
35	gLCB8	I[35]	-12.91	0.00	-3.44	0.00	-14.68	0.00
35	gLCB9	I[35]	-14.14	0.00	-8.04	0.00	-60.84	0.00
35	gLCB10	I[35]	-12.34	0.00	-7.94	0.00	-62.63	0.00
35	gLCB11	I[35]	-14.14	0.00	-3.54	0.00	-12.97	0.00
35	gLCB12	I[35]	-12.34	0.00	-3.44	0.00	-14.77	0.00
35	gLCB13	I[35]	-12.46	0.00	-7.91	0.00	-63.05	0.00
35	gLCB14	I[35]	-10.66	0.00	-7.81	0.00	-64.84	0.00
35	gLCB15	I[35]	-12.46	0.00	-3.41	0.00	-15.18	0.00
35	gLCB16	I[35]	-10.66	0.00	-3.31	0.00	-16.97	0.00
35	gLCB17(max)	I[35]	-3.88	0.00	0.16	0.00	12.76	0.00
35	gLCB18(max)	I[35]	-4.06	0.00	0.08	0.00	14.11	0.00
35	gLCB19(max)	I[35]	0.18	0.00	0.08	0.00	14.11	0.00
35	gLCB20(max)	I[35]	0.00	0.00	0.00	0.00	15.46	0.00
35	gLCB21(max)	I[35]	-3.88	0.00	0.16	0.00	20.32	0.00
35	gLCB22(max)	I[35]	-4.06	0.00	0.08	0.00	21.67	0.00
35	gLCB23(max)	I[35]	0.18	0.00	0.08	0.00	21.67	0.00
35	gLCB24(max)	I[35]	0.00	0.00	0.00	0.00	23.02	0.00
35	gLCB17(min)	I[35]	-12.38	0.00	-0.75	0.00	-2.70	0.00
35	gLCB18(min)	I[35]	-12.56	0.00	-0.83	0.00	-1.35	0.00
35	gLCB19(min)	I[35]	-8.33	0.00	-0.83	0.00	-1.35	0.00
35	gLCB20(min)	I[35]	-8.51	0.00	-0.91	0.00	0.00	0.00
35	gLCB21(min)	I[35]	-16.38	0.00	-1.20	0.00	-2.70	0.00
35	gLCB22(min)	I[35]	-16.56	0.00	-1.27	0.00	-1.35	0.00
35	gLCB23(min)	I[35]	-12.33	0.00	-1.27	0.00	-1.35	0.00
35	gLCB24(min)	I[35]	-12.51	0.00	-1.35	0.00	0.00	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
36	gLCB1	I[38]	-16.01	0.00	-9.06	0.00	49.92	0.00
36	gLCB2	I[38]	-14.22	0.00	-8.95	0.00	51.81	0.00
36	gLCB3	I[38]	-16.01	0.00	-4.00	0.00	6.83	0.00
36	gLCB4	I[38]	-14.22	0.00	-3.90	0.00	8.73	0.00
36	gLCB5	I[38]	-14.33	0.00	-8.93	0.00	52.26	0.00
36	gLCB6	I[38]	-12.53	0.00	-8.82	0.00	54.15	0.00
36	gLCB7	I[38]	-14.33	0.00	-3.87	0.00	9.17	0.00
36	gLCB8	I[38]	-12.53	0.00	-3.77	0.00	11.07	0.00
36	gLCB9	I[38]	-13.87	0.00	-8.92	0.00	52.35	0.00
36	gLCB10	I[38]	-12.07	0.00	-8.82	0.00	54.25	0.00
36	gLCB11	I[38]	-13.87	0.00	-3.87	0.00	9.27	0.00
36	gLCB12	I[38]	-12.07	0.00	-3.76	0.00	11.16	0.00
36	gLCB13	I[38]	-12.19	0.00	-8.79	0.00	54.69	0.00
36	gLCB14	I[38]	-10.39	0.00	-8.69	0.00	56.59	0.00
36	gLCB15	I[38]	-12.19	0.00	-3.74	0.00	11.61	0.00
36	gLCB16	I[38]	-10.39	0.00	-3.63	0.00	13.50	0.00
36	gLCB17(max)	I[38]	-3.88	0.00	0.16	0.00	2.86	0.00
36	gLCB18(max)	I[38]	0.18	0.00	0.08	0.00	1.43	0.00
36	gLCB19(max)	I[38]	-4.06	0.00	0.08	0.00	1.43	0.00
36	gLCB20(max)	I[38]	0.00	0.00	0.00	0.00	0.00	0.00
36	gLCB21(max)	I[38]	-3.88	0.00	0.16	0.00	2.86	0.00
36	gLCB22(max)	I[38]	0.18	0.00	0.08	0.00	1.43	0.00
36	gLCB23(max)	I[38]	-4.06	0.00	0.08	0.00	1.43	0.00
36	gLCB24(max)	I[38]	0.00	0.00	0.00	0.00	0.00	0.00
36	gLCB17(min)	I[38]	-12.38	0.00	-0.75	0.00	-13.52	0.00
36	gLCB18(min)	I[38]	-8.33	0.00	-0.83	0.00	-14.94	0.00
36	gLCB19(min)	I[38]	-12.56	0.00	-0.83	0.00	-14.94	0.00
36	gLCB20(min)	I[38]	-8.51	0.00	-0.91	0.00	-16.37	0.00
36	gLCB21(min)	I[38]	-16.38	0.00	-1.20	0.00	-21.52	0.00
36	gLCB22(min)	I[38]	-12.33	0.00	-1.27	0.00	-22.95	0.00
36	gLCB23(min)	I[38]	-16.56	0.00	-1.27	0.00	-22.95	0.00
36	gLCB24(min)	I[38]	-12.51	0.00	-1.35	0.00	-24.38	0.00
37	gLCB1	I[37]	-16.01	0.00	-9.06	0.00	-49.92	0.00
37	gLCB2	I[37]	-14.22	0.00	-8.95	0.00	-51.81	0.00
37	gLCB3	I[37]	-16.01	0.00	-4.00	0.00	-6.83	0.00
37	gLCB4	I[37]	-14.22	0.00	-3.90	0.00	-8.73	0.00
37	gLCB5	I[37]	-14.33	0.00	-8.93	0.00	-52.26	0.00
37	gLCB6	I[37]	-12.53	0.00	-8.82	0.00	-54.15	0.00
37	gLCB7	I[37]	-14.33	0.00	-3.87	0.00	-9.17	0.00
37	gLCB8	I[37]	-12.53	0.00	-3.77	0.00	-11.07	0.00
37	gLCB9	I[37]	-13.87	0.00	-8.92	0.00	-52.35	0.00
37	gLCB10	I[37]	-12.07	0.00	-8.82	0.00	-54.25	0.00
37	gLCB11	I[37]	-13.87	0.00	-3.87	0.00	-9.27	0.00
37	gLCB12	I[37]	-12.07	0.00	-3.76	0.00	-11.16	0.00
37	gLCB13	I[37]	-12.19	0.00	-8.79	0.00	-54.69	0.00
37	gLCB14	I[37]	-10.39	0.00	-8.69	0.00	-56.59	0.00
37	gLCB15	I[37]	-12.19	0.00	-3.74	0.00	-11.61	0.00
37	gLCB16	I[37]	-10.39	0.00	-3.63	0.00	-13.50	0.00
37	gLCB17(max)	I[37]	-3.88	0.00	0.16	0.00	13.52	0.00
37	gLCB18(max)	I[37]	-4.06	0.00	0.08	0.00	14.94	0.00
37	gLCB19(max)	I[37]	0.18	0.00	0.08	0.00	14.94	0.00
37	gLCB20(max)	I[37]	0.00	0.00	0.00	0.00	16.37	0.00
37	gLCB21(max)	I[37]	-3.88	0.00	0.16	0.00	21.52	0.00
37	gLCB22(max)	I[37]	-4.06	0.00	0.08	0.00	22.95	0.00
37	gLCB23(max)	I[37]	0.18	0.00	0.08	0.00	22.95	0.00
37	gLCB24(max)	I[37]	0.00	0.00	0.00	0.00	24.38	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
37	gLCB17(min)	I[37]	-12.38	0.00	-0.75	0.00	-2.86	0.00
37	gLCB18(min)	I[37]	-12.56	0.00	-0.83	0.00	-1.43	0.00
37	gLCB19(min)	I[37]	-8.33	0.00	-0.83	0.00	-1.43	0.00
37	gLCB20(min)	I[37]	-8.51	0.00	-0.91	0.00	0.00	0.00
37	gLCB21(min)	I[37]	-16.38	0.00	-1.20	0.00	-2.86	0.00
37	gLCB22(min)	I[37]	-16.56	0.00	-1.27	0.00	-1.43	0.00
37	gLCB23(min)	I[37]	-12.33	0.00	-1.27	0.00	-1.43	0.00
37	gLCB24(min)	I[37]	-12.51	0.00	-1.35	0.00	0.00	0.00
38	gLCB1	I[40]	-15.64	0.00	-9.86	0.00	40.45	0.00
38	gLCB2	I[40]	-13.84	0.00	-9.75	0.00	42.46	0.00
38	gLCB3	I[40]	-15.64	0.00	-4.30	0.00	2.68	0.00
38	gLCB4	I[40]	-13.84	0.00	-4.19	0.00	4.68	0.00
38	gLCB5	I[40]	-13.95	0.00	-9.73	0.00	42.92	0.00
38	gLCB6	I[40]	-12.16	0.00	-9.62	0.00	44.92	0.00
38	gLCB7	I[40]	-13.95	0.00	-4.17	0.00	5.15	0.00
38	gLCB8	I[40]	-12.16	0.00	-4.06	0.00	7.15	0.00
38	gLCB9	I[40]	-13.60	0.00	-9.72	0.00	43.02	0.00
38	gLCB10	I[40]	-11.80	0.00	-9.62	0.00	45.03	0.00
38	gLCB11	I[40]	-13.60	0.00	-4.16	0.00	5.25	0.00
38	gLCB12	I[40]	-11.80	0.00	-4.06	0.00	7.25	0.00
38	gLCB13	I[40]	-11.92	0.00	-9.59	0.00	45.49	0.00
38	gLCB14	I[40]	-10.12	0.00	-9.49	0.00	47.49	0.00
38	gLCB15	I[40]	-11.92	0.00	-4.03	0.00	7.72	0.00
38	gLCB16	I[40]	-10.12	0.00	-3.93	0.00	9.72	0.00
38	gLCB17(max)	I[40]	-3.88	0.00	0.16	0.00	3.02	0.00
38	gLCB18(max)	I[40]	0.18	0.00	0.08	0.00	1.51	0.00
38	gLCB19(max)	I[40]	-4.06	0.00	0.08	0.00	1.51	0.00
38	gLCB20(max)	I[40]	0.00	0.00	0.00	0.00	0.00	0.00
38	gLCB21(max)	I[40]	-3.88	0.00	0.16	0.00	3.02	0.00
38	gLCB22(max)	I[40]	0.18	0.00	0.08	0.00	1.51	0.00
38	gLCB23(max)	I[40]	-4.06	0.00	0.08	0.00	1.51	0.00
38	gLCB24(max)	I[40]	0.00	0.00	0.00	0.00	0.00	0.00
38	gLCB17(min)	I[40]	-12.38	0.00	-0.75	0.00	-14.27	0.00
38	gLCB18(min)	I[40]	-8.33	0.00	-0.83	0.00	-15.77	0.00
38	gLCB19(min)	I[40]	-12.56	0.00	-0.83	0.00	-15.77	0.00
38	gLCB20(min)	I[40]	-8.51	0.00	-0.91	0.00	-17.28	0.00
38	gLCB21(min)	I[40]	-16.38	0.00	-1.20	0.00	-22.71	0.00
38	gLCB22(min)	I[40]	-12.33	0.00	-1.27	0.00	-24.22	0.00
38	gLCB23(min)	I[40]	-16.56	0.00	-1.27	0.00	-24.22	0.00
38	gLCB24(min)	I[40]	-12.51	0.00	-1.35	0.00	-25.73	0.00
39	gLCB1	I[39]	-15.64	0.00	-9.86	0.00	-40.45	0.00
39	gLCB2	I[39]	-13.84	0.00	-9.75	0.00	-42.46	0.00
39	gLCB3	I[39]	-15.64	0.00	-4.30	0.00	-2.68	0.00
39	gLCB4	I[39]	-13.84	0.00	-4.19	0.00	-4.68	0.00
39	gLCB5	I[39]	-13.95	0.00	-9.73	0.00	-42.92	0.00
39	gLCB6	I[39]	-12.16	0.00	-9.62	0.00	-44.92	0.00
39	gLCB7	I[39]	-13.95	0.00	-4.17	0.00	-5.15	0.00
39	gLCB8	I[39]	-12.16	0.00	-4.06	0.00	-7.15	0.00
39	gLCB9	I[39]	-13.60	0.00	-9.72	0.00	-43.02	0.00
39	gLCB10	I[39]	-11.80	0.00	-9.62	0.00	-45.03	0.00
39	gLCB11	I[39]	-13.60	0.00	-4.16	0.00	-5.25	0.00
39	gLCB12	I[39]	-11.80	0.00	-4.06	0.00	-7.25	0.00
39	gLCB13	I[39]	-11.92	0.00	-9.59	0.00	-45.49	0.00
39	gLCB14	I[39]	-10.12	0.00	-9.49	0.00	-47.49	0.00
39	gLCB15	I[39]	-11.92	0.00	-4.03	0.00	-7.72	0.00
39	gLCB16	I[39]	-10.12	0.00	-3.93	0.00	-9.72	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
39	gLCB17(max)	I[39]	-3.88	0.00	0.16	0.00	14.27	0.00
39	gLCB18(max)	I[39]	-4.06	0.00	0.08	0.00	15.77	0.00
39	gLCB19(max)	I[39]	0.18	0.00	0.08	0.00	15.77	0.00
39	gLCB20(max)	I[39]	0.00	0.00	0.00	0.00	17.28	0.00
39	gLCB21(max)	I[39]	-3.88	0.00	0.16	0.00	22.71	0.00
39	gLCB22(max)	I[39]	-4.06	0.00	0.08	0.00	24.22	0.00
39	gLCB23(max)	I[39]	0.18	0.00	0.08	0.00	24.22	0.00
39	gLCB24(max)	I[39]	0.00	0.00	0.00	0.00	25.73	0.00
39	gLCB17(min)	I[39]	-12.38	0.00	-0.75	0.00	-3.02	0.00
39	gLCB18(min)	I[39]	-12.56	0.00	-0.83	0.00	-1.51	0.00
39	gLCB19(min)	I[39]	-8.33	0.00	-0.83	0.00	-1.51	0.00
39	gLCB20(min)	I[39]	-8.51	0.00	-0.91	0.00	0.00	0.00
39	gLCB21(min)	I[39]	-16.38	0.00	-1.20	0.00	-3.02	0.00
39	gLCB22(min)	I[39]	-16.56	0.00	-1.27	0.00	-1.51	0.00
39	gLCB23(min)	I[39]	-12.33	0.00	-1.27	0.00	-1.51	0.00
39	gLCB24(min)	I[39]	-12.51	0.00	-1.35	0.00	0.00	0.00
40	gLCB1	I[42]	-15.26	0.00	-10.58	0.00	30.23	0.00
40	gLCB2	I[42]	-13.47	0.00	-10.47	0.00	32.34	0.00
40	gLCB3	I[42]	-15.26	0.00	-4.56	0.00	-1.75	0.00
40	gLCB4	I[42]	-13.47	0.00	-4.46	0.00	0.35	0.00
40	gLCB5	I[42]	-13.58	0.00	-10.45	0.00	32.83	0.00
40	gLCB6	I[42]	-11.78	0.00	-10.34	0.00	34.94	0.00
40	gLCB7	I[42]	-13.58	0.00	-4.43	0.00	0.85	0.00
40	gLCB8	I[42]	-11.78	0.00	-4.33	0.00	2.95	0.00
40	gLCB9	I[42]	-13.33	0.00	-10.44	0.00	32.94	0.00
40	gLCB10	I[42]	-11.53	0.00	-10.34	0.00	35.04	0.00
40	gLCB11	I[42]	-13.33	0.00	-4.43	0.00	0.95	0.00
40	gLCB12	I[42]	-11.53	0.00	-4.32	0.00	3.06	0.00
40	gLCB13	I[42]	-11.65	0.00	-10.31	0.00	35.54	0.00
40	gLCB14	I[42]	-9.85	0.00	-10.21	0.00	37.64	0.00
40	gLCB15	I[42]	-11.65	0.00	-4.30	0.00	3.55	0.00
40	gLCB16	I[42]	-9.85	0.00	-4.19	0.00	5.66	0.00
40	gLCB17(max)	I[42]	-3.88	0.00	0.16	0.00	3.18	0.00
40	gLCB18(max)	I[42]	0.18	0.00	0.08	0.00	1.59	0.00
40	gLCB19(max)	I[42]	-4.06	0.00	0.08	0.00	1.59	0.00
40	gLCB20(max)	I[42]	0.00	0.00	0.00	0.00	0.00	0.00
40	gLCB21(max)	I[42]	-3.88	0.00	0.16	0.00	3.18	0.00
40	gLCB22(max)	I[42]	0.18	0.00	0.08	0.00	1.59	0.00
40	gLCB23(max)	I[42]	-4.06	0.00	0.08	0.00	1.59	0.00
40	gLCB24(max)	I[42]	0.00	0.00	0.00	0.00	0.00	0.00
40	gLCB17(min)	I[42]	-12.38	0.00	-0.75	0.00	-15.02	0.00
40	gLCB18(min)	I[42]	-8.33	0.00	-0.83	0.00	-16.61	0.00
40	gLCB19(min)	I[42]	-12.56	0.00	-0.83	0.00	-16.61	0.00
40	gLCB20(min)	I[42]	-8.51	0.00	-0.91	0.00	-18.19	0.00
40	gLCB21(min)	I[42]	-16.38	0.00	-1.20	0.00	-23.91	0.00
40	gLCB22(min)	I[42]	-12.33	0.00	-1.27	0.00	-25.50	0.00
40	gLCB23(min)	I[42]	-16.56	0.00	-1.27	0.00	-25.50	0.00
40	gLCB24(min)	I[42]	-12.51	0.00	-1.35	0.00	-27.08	0.00
41	gLCB1	I[41]	-15.26	0.00	-10.58	0.00	-30.23	0.00
41	gLCB2	I[41]	-13.47	0.00	-10.47	0.00	-32.34	0.00
41	gLCB3	I[41]	-15.26	0.00	-4.56	0.00	1.75	0.00
41	gLCB4	I[41]	-13.47	0.00	-4.46	0.00	-0.35	0.00
41	gLCB5	I[41]	-13.58	0.00	-10.45	0.00	-32.83	0.00
41	gLCB6	I[41]	-11.78	0.00	-10.34	0.00	-34.94	0.00
41	gLCB7	I[41]	-13.58	0.00	-4.43	0.00	-0.85	0.00
41	gLCB8	I[41]	-11.78	0.00	-4.33	0.00	-2.95	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
41	gLCB9	I[41]	-13.33	0.00	-10.44	0.00	-32.94	0.00
41	gLCB10	I[41]	-11.53	0.00	-10.34	0.00	-35.04	0.00
41	gLCB11	I[41]	-13.33	0.00	-4.43	0.00	-0.95	0.00
41	gLCB12	I[41]	-11.53	0.00	-4.32	0.00	-3.06	0.00
41	gLCB13	I[41]	-11.65	0.00	-10.31	0.00	-35.54	0.00
41	gLCB14	I[41]	-9.85	0.00	-10.21	0.00	-37.64	0.00
41	gLCB15	I[41]	-11.65	0.00	-4.30	0.00	-3.55	0.00
41	gLCB16	I[41]	-9.85	0.00	-4.19	0.00	-5.66	0.00
41	gLCB17(max)	I[41]	-3.88	0.00	0.16	0.00	15.02	0.00
41	gLCB18(max)	I[41]	-4.06	0.00	0.08	0.00	16.61	0.00
41	gLCB19(max)	I[41]	0.18	0.00	0.08	0.00	16.61	0.00
41	gLCB20(max)	I[41]	0.00	0.00	0.00	0.00	18.19	0.00
41	gLCB21(max)	I[41]	-3.88	0.00	0.16	0.00	23.91	0.00
41	gLCB22(max)	I[41]	-4.06	0.00	0.08	0.00	25.50	0.00
41	gLCB23(max)	I[41]	0.18	0.00	0.08	0.00	25.50	0.00
41	gLCB24(max)	I[41]	0.00	0.00	0.00	0.00	27.08	0.00
41	gLCB17(min)	I[41]	-12.38	0.00	-0.75	0.00	-3.18	0.00
41	gLCB18(min)	I[41]	-12.56	0.00	-0.83	0.00	-1.59	0.00
41	gLCB19(min)	I[41]	-8.33	0.00	-0.83	0.00	-1.59	0.00
41	gLCB20(min)	I[41]	-8.51	0.00	-0.91	0.00	0.00	0.00
41	gLCB21(min)	I[41]	-16.38	0.00	-1.20	0.00	-3.18	0.00
41	gLCB22(min)	I[41]	-16.56	0.00	-1.27	0.00	-1.59	0.00
41	gLCB23(min)	I[41]	-12.33	0.00	-1.27	0.00	-1.59	0.00
41	gLCB24(min)	I[41]	-12.51	0.00	-1.35	0.00	0.00	0.00
42	gLCB1	I[44]	-14.89	0.00	-11.22	0.00	19.33	0.00
42	gLCB2	I[44]	-13.09	0.00	-11.11	0.00	21.54	0.00
42	gLCB3	I[44]	-14.89	0.00	-4.80	0.00	-6.44	0.00
42	gLCB4	I[44]	-13.09	0.00	-4.70	0.00	-4.23	0.00
42	gLCB5	I[44]	-13.20	0.00	-11.09	0.00	22.06	0.00
42	gLCB6	I[44]	-11.41	0.00	-10.98	0.00	24.27	0.00
42	gLCB7	I[44]	-13.20	0.00	-4.67	0.00	-3.71	0.00
42	gLCB8	I[44]	-11.41	0.00	-4.57	0.00	-1.50	0.00
42	gLCB9	I[44]	-13.06	0.00	-11.08	0.00	22.17	0.00
42	gLCB10	I[44]	-11.26	0.00	-10.98	0.00	24.38	0.00
42	gLCB11	I[44]	-13.06	0.00	-4.67	0.00	-3.60	0.00
42	gLCB12	I[44]	-11.26	0.00	-4.56	0.00	-1.39	0.00
42	gLCB13	I[44]	-11.38	0.00	-10.95	0.00	24.90	0.00
42	gLCB14	I[44]	-9.58	0.00	-10.85	0.00	27.11	0.00
42	gLCB15	I[44]	-11.38	0.00	-4.54	0.00	-0.87	0.00
42	gLCB16	I[44]	-9.58	0.00	-4.43	0.00	1.34	0.00
42	gLCB17(max)	I[44]	-3.88	0.00	0.16	0.00	3.33	0.00
42	gLCB18(max)	I[44]	0.18	0.00	0.08	0.00	1.67	0.00
42	gLCB19(max)	I[44]	-4.06	0.00	0.08	0.00	1.67	0.00
42	gLCB20(max)	I[44]	0.00	0.00	0.00	0.00	0.00	0.00
42	gLCB21(max)	I[44]	-3.88	0.00	0.16	0.00	3.33	0.00
42	gLCB22(max)	I[44]	0.18	0.00	0.08	0.00	1.67	0.00
42	gLCB23(max)	I[44]	-4.06	0.00	0.08	0.00	1.67	0.00
42	gLCB24(max)	I[44]	0.00	0.00	0.00	0.00	0.00	0.00
42	gLCB17(min)	I[44]	-12.38	0.00	-0.75	0.00	-15.77	0.00
42	gLCB18(min)	I[44]	-8.33	0.00	-0.83	0.00	-17.44	0.00
42	gLCB19(min)	I[44]	-12.56	0.00	-0.83	0.00	-17.44	0.00
42	gLCB20(min)	I[44]	-8.51	0.00	-0.91	0.00	-19.10	0.00
42	gLCB21(min)	I[44]	-16.38	0.00	-1.20	0.00	-25.10	0.00
42	gLCB22(min)	I[44]	-12.33	0.00	-1.27	0.00	-26.77	0.00
42	gLCB23(min)	I[44]	-16.56	0.00	-1.27	0.00	-26.77	0.00
42	gLCB24(min)	I[44]	-12.51	0.00	-1.35	0.00	-28.44	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
43	gLCB1	I[43]	-14.89	0.00	-11.22	0.00	-19.33	0.00
43	gLCB2	I[43]	-13.09	0.00	-11.11	0.00	-21.54	0.00
43	gLCB3	I[43]	-14.89	0.00	-4.80	0.00	6.44	0.00
43	gLCB4	I[43]	-13.09	0.00	-4.70	0.00	4.23	0.00
43	gLCB5	I[43]	-13.20	0.00	-11.09	0.00	-22.06	0.00
43	gLCB6	I[43]	-11.41	0.00	-10.98	0.00	-24.27	0.00
43	gLCB7	I[43]	-13.20	0.00	-4.67	0.00	3.71	0.00
43	gLCB8	I[43]	-11.41	0.00	-4.57	0.00	1.50	0.00
43	gLCB9	I[43]	-13.06	0.00	-11.08	0.00	-22.17	0.00
43	gLCB10	I[43]	-11.26	0.00	-10.98	0.00	-24.38	0.00
43	gLCB11	I[43]	-13.06	0.00	-4.67	0.00	3.60	0.00
43	gLCB12	I[43]	-11.26	0.00	-4.56	0.00	1.39	0.00
43	gLCB13	I[43]	-11.38	0.00	-10.95	0.00	-24.90	0.00
43	gLCB14	I[43]	-9.58	0.00	-10.85	0.00	-27.11	0.00
43	gLCB15	I[43]	-11.38	0.00	-4.54	0.00	0.87	0.00
43	gLCB16	I[43]	-9.58	0.00	-4.43	0.00	-1.34	0.00
43	gLCB17(max)	I[43]	-3.88	0.00	0.16	0.00	15.77	0.00
43	gLCB18(max)	I[43]	-4.06	0.00	0.08	0.00	17.44	0.00
43	gLCB19(max)	I[43]	0.18	0.00	0.08	0.00	17.44	0.00
43	gLCB20(max)	I[43]	0.00	0.00	0.00	0.00	19.10	0.00
43	gLCB21(max)	I[43]	-3.88	0.00	0.16	0.00	25.10	0.00
43	gLCB22(max)	I[43]	-4.06	0.00	0.08	0.00	26.77	0.00
43	gLCB23(max)	I[43]	0.18	0.00	0.08	0.00	26.77	0.00
43	gLCB24(max)	I[43]	0.00	0.00	0.00	0.00	28.44	0.00
43	gLCB17(min)	I[43]	-12.38	0.00	-0.75	0.00	-3.33	0.00
43	gLCB18(min)	I[43]	-12.56	0.00	-0.83	0.00	-1.67	0.00
43	gLCB19(min)	I[43]	-8.33	0.00	-0.83	0.00	-1.67	0.00
43	gLCB20(min)	I[43]	-8.51	0.00	-0.91	0.00	0.00	0.00
43	gLCB21(min)	I[43]	-16.38	0.00	-1.20	0.00	-3.33	0.00
43	gLCB22(min)	I[43]	-16.56	0.00	-1.27	0.00	-1.67	0.00
43	gLCB23(min)	I[43]	-12.33	0.00	-1.27	0.00	-1.67	0.00
43	gLCB24(min)	I[43]	-12.51	0.00	-1.35	0.00	0.00	0.00
44	gLCB1	I[46]	-14.51	0.00	-11.78	0.00	7.82	0.00
44	gLCB2	I[46]	-12.72	0.00	-11.67	0.00	10.14	0.00
44	gLCB3	I[46]	-14.51	0.00	-5.01	0.00	-11.35	0.00
44	gLCB4	I[46]	-12.72	0.00	-4.90	0.00	-9.03	0.00
44	gLCB5	I[46]	-12.83	0.00	-11.65	0.00	10.68	0.00
44	gLCB6	I[46]	-11.03	0.00	-11.54	0.00	13.00	0.00
44	gLCB7	I[46]	-12.83	0.00	-4.88	0.00	-8.49	0.00
44	gLCB8	I[46]	-11.03	0.00	-4.77	0.00	-6.17	0.00
44	gLCB9	I[46]	-12.79	0.00	-11.64	0.00	10.80	0.00
44	gLCB10	I[46]	-10.99	0.00	-11.54	0.00	13.12	0.00
44	gLCB11	I[46]	-12.79	0.00	-4.87	0.00	-8.37	0.00
44	gLCB12	I[46]	-10.99	0.00	-4.77	0.00	-6.05	0.00
44	gLCB13	I[46]	-11.11	0.00	-11.51	0.00	13.66	0.00
44	gLCB14	I[46]	-9.31	0.00	-11.41	0.00	15.98	0.00
44	gLCB15	I[46]	-11.11	0.00	-4.74	0.00	-5.51	0.00
44	gLCB16	I[46]	-9.31	0.00	-4.64	0.00	-3.20	0.00
44	gLCB17(max)	I[46]	-3.88	0.00	0.16	0.00	3.49	0.00
44	gLCB18(max)	I[46]	0.18	0.00	0.08	0.00	1.75	0.00
44	gLCB19(max)	I[46]	-4.06	0.00	0.08	0.00	1.75	0.00
44	gLCB20(max)	I[46]	0.00	0.00	0.00	0.00	0.00	0.00
44	gLCB21(max)	I[46]	-3.88	0.00	0.16	0.00	3.49	0.00
44	gLCB22(max)	I[46]	0.18	0.00	0.08	0.00	1.75	0.00
44	gLCB23(max)	I[46]	-4.06	0.00	0.08	0.00	1.75	0.00
44	gLCB24(max)	I[46]	0.00	0.00	0.00	0.00	0.00	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
44	gLCB17(min)	I[46]	-12.38	0.00	-0.75	0.00	-16.52	0.00
44	gLCB18(min)	I[46]	-8.33	0.00	-0.83	0.00	-18.27	0.00
44	gLCB19(min)	I[46]	-12.56	0.00	-0.83	0.00	-18.27	0.00
44	gLCB20(min)	I[46]	-8.51	0.00	-0.91	0.00	-20.01	0.00
44	gLCB21(min)	I[46]	-16.38	0.00	-1.20	0.00	-26.30	0.00
44	gLCB22(min)	I[46]	-12.33	0.00	-1.27	0.00	-28.05	0.00
44	gLCB23(min)	I[46]	-16.56	0.00	-1.27	0.00	-28.05	0.00
44	gLCB24(min)	I[46]	-12.51	0.00	-1.35	0.00	-29.79	0.00
45	gLCB1	I[45]	-14.51	0.00	-11.78	0.00	-7.82	0.00
45	gLCB2	I[45]	-12.72	0.00	-11.67	0.00	-10.14	0.00
45	gLCB3	I[45]	-14.51	0.00	-5.01	0.00	11.35	0.00
45	gLCB4	I[45]	-12.72	0.00	-4.90	0.00	9.03	0.00
45	gLCB5	I[45]	-12.83	0.00	-11.65	0.00	-10.68	0.00
45	gLCB6	I[45]	-11.03	0.00	-11.54	0.00	-13.00	0.00
45	gLCB7	I[45]	-12.83	0.00	-4.88	0.00	8.49	0.00
45	gLCB8	I[45]	-11.03	0.00	-4.77	0.00	6.17	0.00
45	gLCB9	I[45]	-12.79	0.00	-11.64	0.00	-10.80	0.00
45	gLCB10	I[45]	-10.99	0.00	-11.54	0.00	-13.12	0.00
45	gLCB11	I[45]	-12.79	0.00	-4.87	0.00	8.37	0.00
45	gLCB12	I[45]	-10.99	0.00	-4.77	0.00	6.05	0.00
45	gLCB13	I[45]	-11.11	0.00	-11.51	0.00	-13.66	0.00
45	gLCB14	I[45]	-9.31	0.00	-11.41	0.00	-15.98	0.00
45	gLCB15	I[45]	-11.11	0.00	-4.74	0.00	5.51	0.00
45	gLCB16	I[45]	-9.31	0.00	-4.64	0.00	3.20	0.00
45	gLCB17(max)	I[45]	-3.88	0.00	0.16	0.00	16.52	0.00
45	gLCB18(max)	I[45]	-4.06	0.00	0.08	0.00	18.27	0.00
45	gLCB19(max)	I[45]	0.18	0.00	0.08	0.00	18.27	0.00
45	gLCB20(max)	I[45]	0.00	0.00	0.00	0.00	20.01	0.00
45	gLCB21(max)	I[45]	-3.88	0.00	0.16	0.00	26.30	0.00
45	gLCB22(max)	I[45]	-4.06	0.00	0.08	0.00	28.05	0.00
45	gLCB23(max)	I[45]	0.18	0.00	0.08	0.00	28.05	0.00
45	gLCB24(max)	I[45]	0.00	0.00	0.00	0.00	29.79	0.00
45	gLCB17(min)	I[45]	-12.38	0.00	-0.75	0.00	-3.49	0.00
45	gLCB18(min)	I[45]	-12.56	0.00	-0.83	0.00	-1.75	0.00
45	gLCB19(min)	I[45]	-8.33	0.00	-0.83	0.00	-1.75	0.00
45	gLCB20(min)	I[45]	-8.51	0.00	-0.91	0.00	0.00	0.00
45	gLCB21(min)	I[45]	-16.38	0.00	-1.20	0.00	-3.49	0.00
45	gLCB22(min)	I[45]	-16.56	0.00	-1.27	0.00	-1.75	0.00
45	gLCB23(min)	I[45]	-12.33	0.00	-1.27	0.00	-1.75	0.00
45	gLCB24(min)	I[45]	-12.51	0.00	-1.35	0.00	0.00	0.00
46	gLCB1	I[48]	-14.14	0.00	-12.26	0.00	-4.20	0.00
46	gLCB2	I[48]	-12.34	0.00	-12.15	0.00	-1.78	0.00
46	gLCB3	I[48]	-14.14	0.00	-5.19	0.00	-16.45	0.00
46	gLCB4	I[48]	-12.34	0.00	-5.08	0.00	-14.03	0.00
46	gLCB5	I[48]	-12.45	0.00	-12.13	0.00	-1.21	0.00
46	gLCB6	I[48]	-10.66	0.00	-12.02	0.00	1.21	0.00
46	gLCB7	I[48]	-12.45	0.00	-5.06	0.00	-13.46	0.00
46	gLCB8	I[48]	-10.66	0.00	-4.95	0.00	-11.04	0.00
46	gLCB9	I[48]	-12.52	0.00	-12.12	0.00	-1.09	0.00
46	gLCB10	I[48]	-10.72	0.00	-12.02	0.00	1.33	0.00
46	gLCB11	I[48]	-12.52	0.00	-5.05	0.00	-13.34	0.00
46	gLCB12	I[48]	-10.72	0.00	-4.95	0.00	-10.92	0.00
46	gLCB13	I[48]	-10.84	0.00	-11.99	0.00	1.90	0.00
46	gLCB14	I[48]	-9.04	0.00	-11.89	0.00	4.32	0.00
46	gLCB15	I[48]	-10.84	0.00	-4.92	0.00	-10.35	0.00
46	gLCB16	I[48]	-9.04	0.00	-4.82	0.00	-7.93	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
46	gLCB17(max)	I[48]	-3.88	0.00	0.16	0.00	3.65	0.00	
46	gLCB18(max)	I[48]	0.18	0.00	0.08	0.00	1.83	0.00	
46	gLCB19(max)	I[48]	-4.06	0.00	0.08	0.00	1.83	0.00	
46	gLCB20(max)	I[48]	0.00	0.00	0.00	0.00	0.00	0.00	
46	gLCB21(max)	I[48]	-3.88	0.00	0.16	0.00	3.65	0.00	
46	gLCB22(max)	I[48]	0.18	0.00	0.08	0.00	1.83	0.00	
46	gLCB23(max)	I[48]	-4.06	0.00	0.08	0.00	1.83	0.00	
46	gLCB24(max)	I[48]	0.00	0.00	0.00	0.00	0.00	0.00	
46	gLCB17(min)	I[48]	-12.38	0.00	-0.75	0.00	-17.27	0.00	
46	gLCB18(min)	I[48]	-8.33	0.00	-0.83	0.00	-19.10	0.00	
46	gLCB19(min)	I[48]	-12.56	0.00	-0.83	0.00	-19.10	0.00	
46	gLCB20(min)	I[48]	-8.51	0.00	-0.91	0.00	-20.92	0.00	
46	gLCB21(min)	I[48]	-16.38	0.00	-1.20	0.00	-27.50	0.00	
46	gLCB22(min)	I[48]	-12.33	0.00	-1.27	0.00	-29.32	0.00	
46	gLCB23(min)	I[48]	-16.56	0.00	-1.27	0.00	-29.32	0.00	
46	gLCB24(min)	I[48]	-12.51	0.00	-1.35	0.00	-31.15	0.00	
47	gLCB1	I[47]	-14.14	0.00	-12.26	0.00	4.20	0.00	
47	gLCB2	I[47]	-12.34	0.00	-12.15	0.00	1.78	0.00	
47	gLCB3	I[47]	-14.14	0.00	-5.19	0.00	16.45	0.00	
47	gLCB4	I[47]	-12.34	0.00	-5.08	0.00	14.03	0.00	
47	gLCB5	I[47]	-12.45	0.00	-12.13	0.00	1.21	0.00	
47	gLCB6	I[47]	-10.66	0.00	-12.02	0.00	-1.21	0.00	
47	gLCB7	I[47]	-12.45	0.00	-5.06	0.00	13.46	0.00	
47	gLCB8	I[47]	-10.66	0.00	-4.95	0.00	11.04	0.00	
47	gLCB9	I[47]	-12.52	0.00	-12.12	0.00	1.09	0.00	
47	gLCB10	I[47]	-10.72	0.00	-12.02	0.00	-1.33	0.00	
47	gLCB11	I[47]	-12.52	0.00	-5.05	0.00	13.34	0.00	
47	gLCB12	I[47]	-10.72	0.00	-4.95	0.00	10.92	0.00	
47	gLCB13	I[47]	-10.84	0.00	-11.99	0.00	-1.90	0.00	
47	gLCB14	I[47]	-9.04	0.00	-11.89	0.00	-4.32	0.00	
47	gLCB15	I[47]	-10.84	0.00	-4.92	0.00	10.35	0.00	
47	gLCB16	I[47]	-9.04	0.00	-4.82	0.00	7.93	0.00	
47	gLCB17(max)	I[47]	-3.88	0.00	0.16	0.00	17.27	0.00	
47	gLCB18(max)	I[47]	-4.06	0.00	0.08	0.00	19.10	0.00	
47	gLCB19(max)	I[47]	0.18	0.00	0.08	0.00	19.10	0.00	
47	gLCB20(max)	I[47]	0.00	0.00	0.00	0.00	20.92	0.00	
47	gLCB21(max)	I[47]	-3.88	0.00	0.16	0.00	27.50	0.00	
47	gLCB22(max)	I[47]	-4.06	0.00	0.08	0.00	29.32	0.00	
47	gLCB23(max)	I[47]	0.18	0.00	0.08	0.00	29.32	0.00	
47	gLCB24(max)	I[47]	0.00	0.00	0.00	0.00	31.15	0.00	
47	gLCB17(min)	I[47]	-12.38	0.00	-0.75	0.00	-3.65	0.00	
47	gLCB18(min)	I[47]	-12.56	0.00	-0.83	0.00	-1.83	0.00	
47	gLCB19(min)	I[47]	-8.33	0.00	-0.83	0.00	-1.83	0.00	
47	gLCB20(min)	I[47]	-8.51	0.00	-0.91	0.00	0.00	0.00	
47	gLCB21(min)	I[47]	-16.38	0.00	-1.20	0.00	-3.65	0.00	
47	gLCB22(min)	I[47]	-16.56	0.00	-1.27	0.00	-1.83	0.00	
47	gLCB23(min)	I[47]	-12.33	0.00	-1.27	0.00	-1.83	0.00	
47	gLCB24(min)	I[47]	-12.51	0.00	-1.35	0.00	0.00	0.00	
48	gLCB1	I[50]	-13.76	0.00	-12.66	0.00	-16.67	0.00	
48	gLCB2	I[50]	-11.97	0.00	-12.56	0.00	-14.14	0.00	
48	gLCB3	I[50]	-13.76	0.00	-5.34	0.00	-21.71	0.00	
48	gLCB4	I[50]	-11.97	0.00	-5.23	0.00	-19.19	0.00	
48	gLCB5	I[50]	-12.08	0.00	-12.53	0.00	-13.55	0.00	
48	gLCB6	I[50]	-10.28	0.00	-12.43	0.00	-11.02	0.00	
48	gLCB7	I[50]	-12.08	0.00	-5.21	0.00	-18.59	0.00	
48	gLCB8	I[50]	-10.28	0.00	-5.10	0.00	-16.07	0.00	

Wall
Min. Soil,
Max EV3
Pu


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
48	gLCB9	I[50]	-12.25	0.00	-12.53	0.00	-13.42	0.00
48	gLCB10	I[50]	-10.45	0.00	-12.42	0.00	-10.89	0.00
48	gLCB11	I[50]	-12.25	0.00	-5.20	0.00	-18.47	0.00
48	gLCB12	I[50]	-10.45	0.00	-5.10	0.00	-15.94	0.00
48	gLCB13	I[50]	-10.57	0.00	-12.40	0.00	-10.30	0.00
48	gLCB14	I[50]	-8.77	0.00	-12.29	0.00	-7.77	0.00
48	gLCB15	I[50]	-10.57	0.00	-5.07	0.00	-15.35	0.00
48	gLCB16	I[50]	-8.77	0.00	-4.97	0.00	-12.82	0.00
48	gLCB17(max)	I[50]	-3.88	0.00	0.16	0.00	3.81	0.00
48	gLCB18(max)	I[50]	0.18	0.00	0.08	0.00	1.91	0.00
48	gLCB19(max)	I[50]	-4.06	0.00	0.08	0.00	1.91	0.00
48	gLCB20(max)	I[50]	0.00	0.00	0.00	0.00	0.00	0.00
48	gLCB21(max)	I[50]	-3.88	0.00	0.16	0.00	3.81	0.00
48	gLCB22(max)	I[50]	0.18	0.00	0.08	0.00	1.91	0.00
48	gLCB23(max)	I[50]	-4.06	0.00	0.08	0.00	1.91	0.00
48	gLCB24(max)	I[50]	0.00	0.00	0.00	0.00	0.00	0.00
48	gLCB17(min)	I[50]	-12.38	0.00	-0.75	0.00	-18.02	0.00
48	gLCB18(min)	I[50]	-8.33	0.00	-0.83	0.00	-19.93	0.00
48	gLCB19(min)	I[50]	-12.56	0.00	-0.83	0.00	-19.93	0.00
48	gLCB20(min)	I[50]	-8.51	0.00	-0.91	0.00	-21.83	0.00
48	gLCB21(min)	I[50]	-16.38	0.00	-1.20	0.00	-28.69	0.00
48	gLCB22(min)	I[50]	-12.33	0.00	-1.27	0.00	-30.60	0.00
48	gLCB23(min)	I[50]	-16.56	0.00	-1.27	0.00	-30.60	0.00
48	gLCB24(min)	I[50]	-12.51	0.00	-1.35	0.00	-32.50	0.00
49	gLCB1	I[49]	-13.76	0.00	-12.66	0.00	16.67	0.00
49	gLCB2	I[49]	-11.97	0.00	-12.56	0.00	14.14	0.00
49	gLCB3	I[49]	-13.76	0.00	-5.34	0.00	21.71	0.00
49	gLCB4	I[49]	-11.97	0.00	-5.23	0.00	19.19	0.00
49	gLCB5	I[49]	-12.08	0.00	-12.53	0.00	13.55	0.00
49	gLCB6	I[49]	-10.28	0.00	-12.43	0.00	11.02	0.00
49	gLCB7	I[49]	-12.08	0.00	-5.21	0.00	18.59	0.00
49	gLCB8	I[49]	-10.28	0.00	-5.10	0.00	16.07	0.00
49	gLCB9	I[49]	-12.25	0.00	-12.53	0.00	13.42	0.00
49	gLCB10	I[49]	-10.45	0.00	-12.42	0.00	10.89	0.00
49	gLCB11	I[49]	-12.25	0.00	-5.20	0.00	18.47	0.00
49	gLCB12	I[49]	-10.45	0.00	-5.10	0.00	15.94	0.00
49	gLCB13	I[49]	-10.57	0.00	-12.40	0.00	10.30	0.00
49	gLCB14	I[49]	-8.77	0.00	-12.29	0.00	7.77	0.00
49	gLCB15	I[49]	-10.57	0.00	-5.07	0.00	15.35	0.00
49	gLCB16	I[49]	-8.77	0.00	-4.97	0.00	12.82	0.00
49	gLCB17(max)	I[49]	-3.88	0.00	0.16	0.00	18.02	0.00
49	gLCB18(max)	I[49]	-4.06	0.00	0.08	0.00	19.93	0.00
49	gLCB19(max)	I[49]	0.18	0.00	0.08	0.00	19.93	0.00
49	gLCB20(max)	I[49]	0.00	0.00	0.00	0.00	21.83	0.00
49	gLCB21(max)	I[49]	-3.88	0.00	0.16	0.00	28.69	0.00
49	gLCB22(max)	I[49]	-4.06	0.00	0.08	0.00	30.60	0.00
49	gLCB23(max)	I[49]	0.18	0.00	0.08	0.00	30.60	0.00
49	gLCB24(max)	I[49]	0.00	0.00	0.00	0.00	32.50	0.00
49	gLCB17(min)	I[49]	-12.38	0.00	-0.75	0.00	-3.81	0.00
49	gLCB18(min)	I[49]	-12.56	0.00	-0.83	0.00	-1.91	0.00
49	gLCB19(min)	I[49]	-8.33	0.00	-0.83	0.00	-1.91	0.00
49	gLCB20(min)	I[49]	-8.51	0.00	-0.91	0.00	0.00	0.00
49	gLCB21(min)	I[49]	-16.38	0.00	-1.20	0.00	-3.81	0.00
49	gLCB22(min)	I[49]	-16.56	0.00	-1.27	0.00	-1.91	0.00
49	gLCB23(min)	I[49]	-12.33	0.00	-1.27	0.00	-1.91	0.00
49	gLCB24(min)	I[49]	-12.51	0.00	-1.35	0.00	0.00	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
50	gLCB1	I[52]	-13.39	0.00	-12.98	0.00	-29.50	0.00
50	gLCB2	I[52]	-11.59	0.00	-12.88	0.00	-26.86	0.00
50	gLCB3	I[52]	-13.39	0.00	-5.46	0.00	-27.11	0.00
50	gLCB4	I[52]	-11.59	0.00	-5.35	0.00	-24.48	0.00
50	gLCB5	I[52]	-11.70	0.00	-12.85	0.00	-26.25	0.00
50	gLCB6	I[52]	-9.91	0.00	-12.75	0.00	-23.61	0.00
50	gLCB7	I[52]	-11.70	0.00	-5.33	0.00	-23.86	0.00
50	gLCB8	I[52]	-9.91	0.00	-5.22	0.00	-21.23	0.00
50	gLCB9	I[52]	-11.98	0.00	-12.85	0.00	-26.12	0.00
50	gLCB10	I[52]	-10.18	0.00	-12.74	0.00	-23.48	0.00
50	gLCB11	I[52]	-11.98	0.00	-5.32	0.00	-23.73	0.00
50	gLCB12	I[52]	-10.18	0.00	-5.22	0.00	-21.10	0.00
50	gLCB13	I[52]	-10.30	0.00	-12.72	0.00	-22.87	0.00
50	gLCB14	I[52]	-8.50	0.00	-12.61	0.00	-20.23	0.00
50	gLCB15	I[52]	-10.30	0.00	-5.19	0.00	-20.48	0.00
50	gLCB16	I[52]	-8.50	0.00	-5.09	0.00	-17.85	0.00
50	gLCB17(max)	I[52]	-3.88	0.00	0.16	0.00	3.97	0.00
50	gLCB18(max)	I[52]	0.18	0.00	0.08	0.00	1.98	0.00
50	gLCB19(max)	I[52]	-4.06	0.00	0.08	0.00	1.98	0.00
50	gLCB20(max)	I[52]	0.00	0.00	0.00	0.00	0.00	0.00
50	gLCB21(max)	I[52]	-3.88	0.00	0.16	0.00	3.97	0.00
50	gLCB22(max)	I[52]	0.18	0.00	0.08	0.00	1.98	0.00
50	gLCB23(max)	I[52]	-4.06	0.00	0.08	0.00	1.98	0.00
50	gLCB24(max)	I[52]	0.00	0.00	0.00	0.00	0.00	0.00
50	gLCB17(min)	I[52]	-12.38	0.00	-0.75	0.00	-18.77	0.00
50	gLCB18(min)	I[52]	-8.33	0.00	-0.83	0.00	-20.76	0.00
50	gLCB19(min)	I[52]	-12.56	0.00	-0.83	0.00	-20.76	0.00
50	gLCB20(min)	I[52]	-8.51	0.00	-0.91	0.00	-22.74	0.00
50	gLCB21(min)	I[52]	-16.38	0.00	-1.20	0.00	-29.89	0.00
50	gLCB22(min)	I[52]	-12.33	0.00	-1.27	0.00	-31.87	0.00
50	gLCB23(min)	I[52]	-16.56	0.00	-1.27	0.00	-31.87	0.00
50	gLCB24(min)	I[52]	-12.51	0.00	-1.35	0.00	-33.86	0.00
51	gLCB1	I[51]	-13.39	0.00	-12.98	0.00	29.50	0.00
51	gLCB2	I[51]	-11.59	0.00	-12.88	0.00	26.86	0.00
51	gLCB3	I[51]	-13.39	0.00	-5.46	0.00	27.11	0.00
51	gLCB4	I[51]	-11.59	0.00	-5.35	0.00	24.48	0.00
51	gLCB5	I[51]	-11.70	0.00	-12.85	0.00	26.25	0.00
51	gLCB6	I[51]	-9.91	0.00	-12.75	0.00	23.61	0.00
51	gLCB7	I[51]	-11.70	0.00	-5.33	0.00	23.86	0.00
51	gLCB8	I[51]	-9.91	0.00	-5.22	0.00	21.23	0.00
51	gLCB9	I[51]	-11.98	0.00	-12.85	0.00	26.12	0.00
51	gLCB10	I[51]	-10.18	0.00	-12.74	0.00	23.48	0.00
51	gLCB11	I[51]	-11.98	0.00	-5.32	0.00	23.73	0.00
51	gLCB12	I[51]	-10.18	0.00	-5.22	0.00	21.10	0.00
51	gLCB13	I[51]	-10.30	0.00	-12.72	0.00	22.87	0.00
51	gLCB14	I[51]	-8.50	0.00	-12.61	0.00	20.23	0.00
51	gLCB15	I[51]	-10.30	0.00	-5.19	0.00	20.48	0.00
51	gLCB16	I[51]	-8.50	0.00	-5.09	0.00	17.85	0.00
51	gLCB17(max)	I[51]	-3.88	0.00	0.16	0.00	18.77	0.00
51	gLCB18(max)	I[51]	-4.06	0.00	0.08	0.00	20.76	0.00
51	gLCB19(max)	I[51]	0.18	0.00	0.08	0.00	20.76	0.00
51	gLCB20(max)	I[51]	0.00	0.00	0.00	0.00	22.74	0.00
51	gLCB21(max)	I[51]	-3.88	0.00	0.16	0.00	29.89	0.00
51	gLCB22(max)	I[51]	-4.06	0.00	0.08	0.00	31.87	0.00
51	gLCB23(max)	I[51]	0.18	0.00	0.08	0.00	31.87	0.00
51	gLCB24(max)	I[51]	0.00	0.00	0.00	0.00	33.86	0.00


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Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
51	gLCB17(min)	I[51]	-12.38	0.00	-0.75	0.00	-3.97	0.00
51	gLCB18(min)	I[51]	-12.56	0.00	-0.83	0.00	-1.98	0.00
51	gLCB19(min)	I[51]	-8.33	0.00	-0.83	0.00	-1.98	0.00
51	gLCB20(min)	I[51]	-8.51	0.00	-0.91	0.00	0.00	0.00
51	gLCB21(min)	I[51]	-16.38	0.00	-1.20	0.00	-3.97	0.00
51	gLCB22(min)	I[51]	-16.56	0.00	-1.27	0.00	-1.98	0.00
51	gLCB23(min)	I[51]	-12.33	0.00	-1.27	0.00	-1.98	0.00
51	gLCB24(min)	I[51]	-12.51	0.00	-1.35	0.00	0.00	0.00
52	gLCB1	I[54]	-13.27	0.00	-13.07	0.00	-33.63	0.00
52	gLCB2	I[54]	-11.47	0.00	-12.96	0.00	-30.96	0.00
52	gLCB3	I[54]	-13.27	0.00	-5.49	0.00	-28.85	0.00
52	gLCB4	I[54]	-11.47	0.00	-5.38	0.00	-26.18	0.00
52	gLCB5	I[54]	-11.59	0.00	-12.94	0.00	-30.34	0.00
52	gLCB6	I[54]	-9.79	0.00	-12.83	0.00	-27.67	0.00
52	gLCB7	I[54]	-11.59	0.00	-5.36	0.00	-25.56	0.00
52	gLCB8	I[54]	-9.79	0.00	-5.25	0.00	-22.89	0.00
52	gLCB9	I[54]	-11.89	0.00	-12.93	0.00	-30.20	0.00
52	gLCB10	I[54]	-10.10	0.00	-12.83	0.00	-27.54	0.00
52	gLCB11	I[54]	-11.89	0.00	-5.35	0.00	-25.42	0.00
52	gLCB12	I[54]	-10.10	0.00	-5.25	0.00	-22.76	0.00
52	gLCB13	I[54]	-10.21	0.00	-12.80	0.00	-26.91	0.00
52	gLCB14	I[54]	-8.41	0.00	-12.70	0.00	-24.25	0.00
52	gLCB15	I[54]	-10.21	0.00	-5.22	0.00	-22.13	0.00
52	gLCB16	I[54]	-8.41	0.00	-5.12	0.00	-19.47	0.00
52	gLCB17(max)	I[54]	-3.88	0.00	0.16	0.00	4.02	0.00
52	gLCB18(max)	I[54]	0.18	0.00	0.08	0.00	2.01	0.00
52	gLCB19(max)	I[54]	-4.06	0.00	0.08	0.00	2.01	0.00
52	gLCB20(max)	I[54]	0.00	0.00	0.00	0.00	0.00	0.00
52	gLCB21(max)	I[54]	-3.88	0.00	0.16	0.00	4.02	0.00
52	gLCB22(max)	I[54]	0.18	0.00	0.08	0.00	2.01	0.00
52	gLCB23(max)	I[54]	-4.06	0.00	0.08	0.00	2.01	0.00
52	gLCB24(max)	I[54]	0.00	0.00	0.00	0.00	0.00	0.00
52	gLCB17(min)	I[54]	-12.38	0.00	-0.75	0.00	-19.01	0.00
52	gLCB18(min)	I[54]	-8.33	0.00	-0.83	0.00	-21.02	0.00
52	gLCB19(min)	I[54]	-12.56	0.00	-0.83	0.00	-21.02	0.00
52	gLCB20(min)	I[54]	-8.51	0.00	-0.91	0.00	-23.03	0.00
52	gLCB21(min)	I[54]	-16.38	0.00	-1.20	0.00	-30.27	0.00
52	gLCB22(min)	I[54]	-12.33	0.00	-1.27	0.00	-32.28	0.00
52	gLCB23(min)	I[54]	-16.56	0.00	-1.27	0.00	-32.28	0.00
52	gLCB24(min)	I[54]	-12.51	0.00	-1.35	0.00	-34.29	0.00
53	gLCB1	I[53]	-8.59	0.00	-13.07	0.00	39.47	0.00
53	gLCB2	I[53]	-7.63	0.00	-12.96	0.00	35.76	0.00
53	gLCB3	I[53]	-8.59	0.00	-5.49	0.00	34.69	0.00
53	gLCB4	I[53]	-7.63	0.00	-5.38	0.00	30.98	0.00
53	gLCB5	I[53]	-7.52	0.00	-12.94	0.00	35.41	0.00
53	gLCB6	I[53]	-6.56	0.00	-12.83	0.00	31.70	0.00
53	gLCB7	I[53]	-7.52	0.00	-5.36	0.00	30.64	0.00
53	gLCB8	I[53]	-6.56	0.00	-5.25	0.00	26.92	0.00
53	gLCB9	I[53]	-7.52	0.00	-12.93	0.00	35.67	0.00
53	gLCB10	I[53]	-6.56	0.00	-12.83	0.00	31.96	0.00
53	gLCB11	I[53]	-7.52	0.00	-5.35	0.00	30.89	0.00
53	gLCB12	I[53]	-6.56	0.00	-5.25	0.00	27.18	0.00
53	gLCB13	I[53]	-6.45	0.00	-12.80	0.00	31.61	0.00
53	gLCB14	I[53]	-5.49	0.00	-12.70	0.00	27.90	0.00
53	gLCB15	I[53]	-6.45	0.00	-5.22	0.00	26.83	0.00
53	gLCB16	I[53]	-5.49	0.00	-5.12	0.00	23.12	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
53	gLCB17(max)	I[53]	0.00	0.00	0.16	0.00	23.85	0.00	
53	gLCB18(max)	I[53]	-0.18	0.00	0.08	0.00	25.86	0.00	
53	gLCB19(max)	I[53]	0.18	0.00	0.08	0.00	21.02	0.00	
53	gLCB20(max)	I[53]	0.00	0.00	0.00	0.00	23.03	0.00	
53	gLCB21(max)	I[53]	0.00	0.00	0.16	0.00	35.11	0.00	
53	gLCB22(max)	I[53]	-0.18	0.00	0.08	0.00	37.12	0.00	
53	gLCB23(max)	I[53]	0.18	0.00	0.08	0.00	32.28	0.00	
53	gLCB24(max)	I[53]	0.00	0.00	0.00	0.00	34.29	0.00	
53	gLCB17(min)	I[53]	-8.51	0.00	-0.75	0.00	0.82	0.00	
53	gLCB18(min)	I[53]	-8.69	0.00	-0.83	0.00	2.83	0.00	
53	gLCB19(min)	I[53]	-8.33	0.00	-0.83	0.00	-2.01	0.00	
53	gLCB20(min)	I[53]	-8.51	0.00	-0.91	0.00	0.00	0.00	
53	gLCB21(min)	I[53]	-12.51	0.00	-1.20	0.00	0.82	0.00	
53	gLCB22(min)	I[53]	-12.69	0.00	-1.27	0.00	2.83	0.00	
53	gLCB23(min)	I[53]	-12.33	0.00	-1.27	0.00	-2.01	0.00	
53	gLCB24(min)	I[53]	-12.51	0.00	-1.35	0.00	0.00	0.00	
54	gLCB1	I[83]	-8.34	0.00	-13.22	0.00	-48.23	0.00	
54	gLCB2	I[83]	-7.38	0.00	-13.12	0.00	-44.45	0.00	
54	gLCB3	I[83]	-8.34	0.00	-5.55	0.00	-38.37	0.00	
54	gLCB4	I[83]	-7.38	0.00	-5.44	0.00	-34.59	0.00	
54	gLCB5	I[83]	-7.27	0.00	-13.09	0.00	-44.09	0.00	
54	gLCB6	I[83]	-6.31	0.00	-12.99	0.00	-40.31	0.00	
54	gLCB7	I[83]	-7.27	0.00	-5.42	0.00	-34.22	0.00	
54	gLCB8	I[83]	-6.31	0.00	-5.31	0.00	-30.44	0.00	
54	gLCB9	I[83]	-7.34	0.00	-13.09	0.00	-44.34	0.00	
54	gLCB10	I[83]	-6.38	0.00	-12.98	0.00	-40.56	0.00	
54	gLCB11	I[83]	-7.34	0.00	-5.41	0.00	-34.48	0.00	
54	gLCB12	I[83]	-6.38	0.00	-5.30	0.00	-30.69	0.00	
54	gLCB13	I[83]	-6.27	0.00	-12.96	0.00	-40.19	0.00	
54	gLCB14	I[83]	-5.31	0.00	-12.85	0.00	-36.41	0.00	
54	gLCB15	I[83]	-6.27	0.00	-5.28	0.00	-30.33	0.00	
54	gLCB16	I[83]	-5.31	0.00	-5.17	0.00	-26.55	0.00	
54	gLCB17(max)	I[83]	0.00	0.00	0.16	0.00	-0.72	0.00	
54	gLCB18(max)	I[83]	0.18	0.00	0.08	0.00	2.06	0.00	
54	gLCB19(max)	I[83]	-0.18	0.00	0.08	0.00	-2.78	0.00	
54	gLCB20(max)	I[83]	0.00	0.00	0.00	0.00	0.00	0.00	
54	gLCB21(max)	I[83]	0.00	0.00	0.16	0.00	-0.72	0.00	
54	gLCB22(max)	I[83]	0.18	0.00	0.08	0.00	2.06	0.00	
54	gLCB23(max)	I[83]	-0.18	0.00	0.08	0.00	-2.78	0.00	
54	gLCB24(max)	I[83]	0.00	0.00	0.00	0.00	0.00	0.00	
54	gLCB17(min)	I[83]	-8.51	0.00	-0.75	0.00	-24.35	0.00	
54	gLCB18(min)	I[83]	-8.33	0.00	-0.83	0.00	-21.57	0.00	
54	gLCB19(min)	I[83]	-8.69	0.00	-0.83	0.00	-26.42	0.00	
54	gLCB20(min)	I[83]	-8.51	0.00	-0.91	0.00	-23.64	0.00	
54	gLCB21(min)	I[83]	-12.51	0.00	-1.20	0.00	-35.91	0.00	
54	gLCB22(min)	I[83]	-12.33	0.00	-1.27	0.00	-33.12	0.00	
54	gLCB23(min)	I[83]	-12.69	0.00	-1.27	0.00	-37.97	0.00	
54	gLCB24(min)	I[83]	-12.51	0.00	-1.35	0.00	-35.19	0.00	
55	gLCB1	I[55]	-13.22	0.00	-8.34	0.00	-48.23	0.00	Top Slab Min. Soil, Max DL Pu
55	gLCB2	I[55]	-13.12	0.00	-7.38	0.00	-44.45	0.00	
55	gLCB3	I[55]	-5.55	0.00	-8.34	0.00	-38.37	0.00	
55	gLCB4	I[55]	-5.44	0.00	-7.38	0.00	-34.59	0.00	
55	gLCB5	I[55]	-13.09	0.00	-7.27	0.00	-44.09	0.00	
55	gLCB6	I[55]	-12.99	0.00	-6.31	0.00	-40.31	0.00	
55	gLCB7	I[55]	-5.42	0.00	-7.27	0.00	-34.22	0.00	
55	gLCB8	I[55]	-5.31	0.00	-6.31	0.00	-30.44	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
55	gLCB9	I[55]	-13.09	0.00	-7.34	0.00	-44.34	0.00
55	gLCB10	I[55]	-12.98	0.00	-6.38	0.00	-40.56	0.00
55	gLCB11	I[55]	-5.41	0.00	-7.34	0.00	-34.48	0.00
55	gLCB12	I[55]	-5.30	0.00	-6.38	0.00	-30.69	0.00
55	gLCB13	I[55]	-12.96	0.00	-6.27	0.00	-40.19	0.00
55	gLCB14	I[55]	-12.85	0.00	-5.31	0.00	-36.41	0.00
55	gLCB15	I[55]	-5.28	0.00	-6.27	0.00	-30.33	0.00
55	gLCB16	I[55]	-5.17	0.00	-5.31	0.00	-26.55	0.00
55	gLCB17(max)	I[55]	0.16	0.00	0.00	0.00	-0.72	0.00
55	gLCB18(max)	I[55]	0.08	0.00	-0.18	0.00	-2.78	0.00
55	gLCB19(max)	I[55]	0.08	0.00	0.18	0.00	2.06	0.00
55	gLCB20(max)	I[55]	0.00	0.00	0.00	0.00	0.00	0.00
55	gLCB21(max)	I[55]	0.16	0.00	0.00	0.00	-0.72	0.00
55	gLCB22(max)	I[55]	0.08	0.00	-0.18	0.00	-2.78	0.00
55	gLCB23(max)	I[55]	0.08	0.00	0.18	0.00	2.06	0.00
55	gLCB24(max)	I[55]	0.00	0.00	0.00	0.00	0.00	0.00
55	gLCB17(min)	I[55]	-0.75	0.00	-8.51	0.00	-24.35	0.00
55	gLCB18(min)	I[55]	-0.83	0.00	-8.69	0.00	-26.42	0.00
55	gLCB19(min)	I[55]	-0.83	0.00	-8.33	0.00	-21.57	0.00
55	gLCB20(min)	I[55]	-0.91	0.00	-8.51	0.00	-23.64	0.00
55	gLCB21(min)	I[55]	-1.20	0.00	-12.51	0.00	-35.91	0.00
55	gLCB22(min)	I[55]	-1.27	0.00	-12.69	0.00	-37.97	0.00
55	gLCB23(min)	I[55]	-1.27	0.00	-12.33	0.00	-33.12	0.00
55	gLCB24(min)	I[55]	-1.35	0.00	-12.51	0.00	-35.19	0.00
56	gLCB1	I[56]	-13.22	0.00	-7.74	0.00	-40.19	0.00
56	gLCB2	I[56]	-13.12	0.00	-6.85	0.00	-37.34	0.00
56	gLCB3	I[56]	-5.55	0.00	-7.74	0.00	-30.33	0.00
56	gLCB4	I[56]	-5.44	0.00	-6.85	0.00	-27.47	0.00
56	gLCB5	I[56]	-13.09	0.00	-6.75	0.00	-37.08	0.00
56	gLCB6	I[56]	-12.99	0.00	-5.86	0.00	-34.22	0.00
56	gLCB7	I[56]	-5.42	0.00	-6.75	0.00	-27.21	0.00
56	gLCB8	I[56]	-5.31	0.00	-5.86	0.00	-24.36	0.00
56	gLCB9	I[56]	-13.09	0.00	-6.81	0.00	-37.27	0.00
56	gLCB10	I[56]	-12.98	0.00	-5.92	0.00	-34.41	0.00
56	gLCB11	I[56]	-5.41	0.00	-6.80	0.00	-27.40	0.00
56	gLCB12	I[56]	-5.30	0.00	-5.92	0.00	-24.55	0.00
56	gLCB13	I[56]	-12.96	0.00	-5.82	0.00	-34.15	0.00
56	gLCB14	I[56]	-12.85	0.00	-4.93	0.00	-31.29	0.00
56	gLCB15	I[56]	-5.28	0.00	-5.82	0.00	-24.29	0.00
56	gLCB16	I[56]	-5.17	0.00	-4.93	0.00	-21.43	0.00
56	gLCB17(max)	I[56]	0.16	0.00	0.06	0.00	0.96	0.00
56	gLCB18(max)	I[56]	0.08	0.00	-0.12	0.00	-0.93	0.00
56	gLCB19(max)	I[56]	0.08	0.00	0.24	0.00	3.56	0.00
56	gLCB20(max)	I[56]	0.00	0.00	0.06	0.00	1.68	0.00
56	gLCB21(max)	I[56]	0.16	0.00	0.06	0.00	0.83	0.00
56	gLCB22(max)	I[56]	0.08	0.00	-0.12	0.00	-1.05	0.00
56	gLCB23(max)	I[56]	0.08	0.00	0.24	0.00	3.43	0.00
56	gLCB24(max)	I[56]	0.00	0.00	0.06	0.00	1.55	0.00
56	gLCB17(min)	I[56]	-0.75	0.00	-8.07	0.00	-18.72	0.00
56	gLCB18(min)	I[56]	-0.83	0.00	-8.25	0.00	-20.61	0.00
56	gLCB19(min)	I[56]	-0.83	0.00	-7.89	0.00	-16.12	0.00
56	gLCB20(min)	I[56]	-0.91	0.00	-8.07	0.00	-18.00	0.00
56	gLCB21(min)	I[56]	-1.20	0.00	-11.86	0.00	-29.84	0.00
56	gLCB22(min)	I[56]	-1.27	0.00	-12.03	0.00	-31.72	0.00
56	gLCB23(min)	I[56]	-1.27	0.00	-11.68	0.00	-27.23	0.00
56	gLCB24(min)	I[56]	-1.35	0.00	-11.86	0.00	-29.12	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
57	gLCB1	I[57]	-13.22	0.00	-7.13	0.00	-32.76	0.00	Top Slab Min. Soil Max DL
57	gLCB2	I[57]	-13.12	0.00	-6.31	0.00	-30.76	0.00	
57	gLCB3	I[57]	-5.55	0.00	-7.13	0.00	-22.90	0.00	
57	gLCB4	I[57]	-5.44	0.00	-6.31	0.00	-20.89	0.00	
57	gLCB5	I[57]	-13.09	0.00	-6.22	0.00	-30.59	0.00	
57	gLCB6	I[57]	-12.99	0.00	-5.40	0.00	-28.59	0.00	
57	gLCB7	I[57]	-5.42	0.00	-6.22	0.00	-20.73	0.00	
57	gLCB8	I[57]	-5.31	0.00	-5.40	0.00	-18.72	0.00	
57	gLCB9	I[57]	-13.09	0.00	-6.27	0.00	-30.73	0.00	
57	gLCB10	I[57]	-12.98	0.00	-5.45	0.00	-28.72	0.00	
57	gLCB11	I[57]	-5.41	0.00	-6.27	0.00	-20.87	0.00	
57	gLCB12	I[57]	-5.30	0.00	-5.45	0.00	-18.86	0.00	
57	gLCB13	I[57]	-12.96	0.00	-5.36	0.00	-28.56	0.00	
57	gLCB14	I[57]	-12.85	0.00	-4.54	0.00	-26.56	0.00	
57	gLCB15	I[57]	-5.28	0.00	-5.36	0.00	-18.70	0.00	
57	gLCB16	I[57]	-5.17	0.00	-4.54	0.00	-16.69	0.00	
57	gLCB17(max)	I[57]	0.16	0.00	0.22	0.00	4.43	0.00	Top Slab Min. Soil Max EV2
57	gLCB18(max)	I[57]	0.08	0.00	0.04	0.00	2.72	0.00	
57	gLCB19(max)	I[57]	0.08	0.00	0.39	0.00	6.85	0.00	
57	gLCB20(max)	I[57]	0.00	0.00	0.22	0.00	5.15	0.00	
57	gLCB21(max)	I[57]	0.16	0.00	0.20	0.00	4.08	0.00	
57	gLCB22(max)	I[57]	0.08	0.00	0.02	0.00	2.37	0.00	
57	gLCB23(max)	I[57]	0.08	0.00	0.38	0.00	6.50	0.00	
57	gLCB24(max)	I[57]	0.00	0.00	0.20	0.00	4.80	0.00	
57	gLCB17(min)	I[57]	-0.75	0.00	-7.64	0.00	-13.84	0.00	
57	gLCB18(min)	I[57]	-0.83	0.00	-7.81	0.00	-15.54	0.00	
57	gLCB19(min)	I[57]	-0.83	0.00	-7.46	0.00	-11.42	0.00	
57	gLCB20(min)	I[57]	-0.91	0.00	-7.64	0.00	-13.12	0.00	
57	gLCB21(min)	I[57]	-1.20	0.00	-11.20	0.00	-24.32	0.00	
57	gLCB22(min)	I[57]	-1.27	0.00	-11.38	0.00	-26.03	0.00	
57	gLCB23(min)	I[57]	-1.27	0.00	-11.02	0.00	-21.90	0.00	
57	gLCB24(min)	I[57]	-1.35	0.00	-11.20	0.00	-23.61	0.00	
58	gLCB1	I[58]	-13.22	0.00	-6.52	0.00	-25.93	0.00	Top Slab Min. Soil Max EV3
58	gLCB2	I[58]	-13.12	0.00	-5.78	0.00	-24.71	0.00	
58	gLCB3	I[58]	-5.55	0.00	-6.52	0.00	-16.07	0.00	
58	gLCB4	I[58]	-5.44	0.00	-5.78	0.00	-14.85	0.00	
58	gLCB5	I[58]	-13.09	0.00	-5.69	0.00	-24.63	0.00	
58	gLCB6	I[58]	-12.99	0.00	-4.95	0.00	-23.41	0.00	
58	gLCB7	I[58]	-5.42	0.00	-5.69	0.00	-14.77	0.00	
58	gLCB8	I[58]	-5.31	0.00	-4.95	0.00	-13.55	0.00	
58	gLCB9	I[58]	-13.09	0.00	-5.73	0.00	-24.73	0.00	
58	gLCB10	I[58]	-12.98	0.00	-4.99	0.00	-23.51	0.00	
58	gLCB11	I[58]	-5.41	0.00	-5.73	0.00	-14.86	0.00	
58	gLCB12	I[58]	-5.30	0.00	-4.99	0.00	-13.64	0.00	
58	gLCB13	I[58]	-12.96	0.00	-4.90	0.00	-23.43	0.00	
58	gLCB14	I[58]	-12.85	0.00	-4.16	0.00	-22.21	0.00	
58	gLCB15	I[58]	-5.28	0.00	-4.90	0.00	-13.56	0.00	
58	gLCB16	I[58]	-5.17	0.00	-4.16	0.00	-12.34	0.00	
58	gLCB17(max)	I[58]	0.16	0.00	0.45	0.00	7.67	0.00	
58	gLCB18(max)	I[58]	0.08	0.00	0.27	0.00	6.14	0.00	
58	gLCB19(max)	I[58]	0.08	0.00	0.62	0.00	9.91	0.00	
58	gLCB20(max)	I[58]	0.00	0.00	0.45	0.00	8.39	0.00	
58	gLCB21(max)	I[58]	0.16	0.00	0.41	0.00	8.69	0.00	
58	gLCB22(max)	I[58]	0.08	0.00	0.23	0.00	7.16	0.00	
58	gLCB23(max)	I[58]	0.08	0.00	0.59	0.00	10.93	0.00	
58	gLCB24(max)	I[58]	0.00	0.00	0.41	0.00	9.40	0.00	

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
58	gLCB17(min)	I[58]	-0.75	0.00	-7.20	0.00	-11.16	0.00
58	gLCB18(min)	I[58]	-0.83	0.00	-7.38	0.00	-12.69	0.00
58	gLCB19(min)	I[58]	-0.83	0.00	-7.02	0.00	-8.92	0.00
58	gLCB20(min)	I[58]	-0.91	0.00	-7.20	0.00	-10.44	0.00
58	gLCB21(min)	I[58]	-1.20	0.00	-10.55	0.00	-19.37	0.00
58	gLCB22(min)	I[58]	-1.27	0.00	-10.73	0.00	-20.90	0.00
58	gLCB23(min)	I[58]	-1.27	0.00	-10.37	0.00	-17.13	0.00
58	gLCB24(min)	I[58]	-1.35	0.00	-10.55	0.00	-18.65	0.00
59	gLCB1	I[59]	-13.22	0.00	-5.91	0.00	-19.72	0.00
59	gLCB2	I[59]	-13.12	0.00	-5.24	0.00	-19.21	0.00
59	gLCB3	I[59]	-5.55	0.00	-5.91	0.00	-9.85	0.00
59	gLCB4	I[59]	-5.44	0.00	-5.24	0.00	-9.34	0.00
59	gLCB5	I[59]	-13.09	0.00	-5.16	0.00	-19.21	0.00
59	gLCB6	I[59]	-12.99	0.00	-4.48	0.00	-18.70	0.00
59	gLCB7	I[59]	-5.42	0.00	-5.16	0.00	-9.34	0.00
59	gLCB8	I[59]	-5.31	0.00	-4.48	0.00	-8.83	0.00
59	gLCB9	I[59]	-13.09	0.00	-5.19	0.00	-19.26	0.00
59	gLCB10	I[59]	-12.98	0.00	-4.52	0.00	-18.75	0.00
59	gLCB11	I[59]	-5.41	0.00	-5.19	0.00	-9.40	0.00
59	gLCB12	I[59]	-5.30	0.00	-4.52	0.00	-8.89	0.00
59	gLCB13	I[59]	-12.96	0.00	-4.44	0.00	-18.75	0.00
59	gLCB14	I[59]	-12.85	0.00	-3.77	0.00	-18.24	0.00
59	gLCB15	I[59]	-5.28	0.00	-4.44	0.00	-8.89	0.00
59	gLCB16	I[59]	-5.17	0.00	-3.77	0.00	-8.38	0.00
59	gLCB17(max)	I[59]	0.16	0.00	0.69	0.00	10.61	0.00
59	gLCB18(max)	I[59]	0.08	0.00	0.51	0.00	9.27	0.00
59	gLCB19(max)	I[59]	0.08	0.00	0.87	0.00	12.67	0.00
59	gLCB20(max)	I[59]	0.00	0.00	0.69	0.00	11.33	0.00
59	gLCB21(max)	I[59]	0.16	0.00	0.65	0.00	14.05	0.00
59	gLCB22(max)	I[59]	0.08	0.00	0.47	0.00	12.70	0.00
59	gLCB23(max)	I[59]	0.08	0.00	0.83	0.00	16.11	0.00
59	gLCB24(max)	I[59]	0.00	0.00	0.65	0.00	14.77	0.00
59	gLCB17(min)	I[59]	-0.75	0.00	-6.76	0.00	-8.79	0.00
59	gLCB18(min)	I[59]	-0.83	0.00	-6.94	0.00	-10.14	0.00
59	gLCB19(min)	I[59]	-0.83	0.00	-6.58	0.00	-6.73	0.00
59	gLCB20(min)	I[59]	-0.91	0.00	-6.76	0.00	-8.07	0.00
59	gLCB21(min)	I[59]	-1.20	0.00	-9.90	0.00	-14.98	0.00
59	gLCB22(min)	I[59]	-1.27	0.00	-10.08	0.00	-16.33	0.00
59	gLCB23(min)	I[59]	-1.27	0.00	-9.72	0.00	-12.92	0.00
59	gLCB24(min)	I[59]	-1.35	0.00	-9.90	0.00	-14.26	0.00
60	gLCB1	I[60]	-13.22	0.00	-5.30	0.00	-14.11	0.00
60	gLCB2	I[60]	-13.12	0.00	-4.69	0.00	-14.24	0.00
60	gLCB3	I[60]	-5.55	0.00	-5.30	0.00	-4.25	0.00
60	gLCB4	I[60]	-5.44	0.00	-4.69	0.00	-4.38	0.00
60	gLCB5	I[60]	-13.09	0.00	-4.63	0.00	-14.31	0.00
60	gLCB6	I[60]	-12.99	0.00	-4.02	0.00	-14.44	0.00
60	gLCB7	I[60]	-5.42	0.00	-4.63	0.00	-4.45	0.00
60	gLCB8	I[60]	-5.31	0.00	-4.02	0.00	-4.58	0.00
60	gLCB9	I[60]	-13.09	0.00	-4.65	0.00	-14.34	0.00
60	gLCB10	I[60]	-12.98	0.00	-4.05	0.00	-14.47	0.00
60	gLCB11	I[60]	-5.41	0.00	-4.65	0.00	-4.48	0.00
60	gLCB12	I[60]	-5.30	0.00	-4.05	0.00	-4.60	0.00
60	gLCB13	I[60]	-12.96	0.00	-3.98	0.00	-14.54	0.00
60	gLCB14	I[60]	-12.85	0.00	-3.38	0.00	-14.67	0.00
60	gLCB15	I[60]	-5.28	0.00	-3.98	0.00	-4.68	0.00
60	gLCB16	I[60]	-5.17	0.00	-3.38	0.00	-4.81	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
60	gLCB17(max)	I[60]	0.16	0.00	0.93	0.00	13.26	0.00
60	gLCB18(max)	I[60]	0.08	0.00	0.75	0.00	12.09	0.00
60	gLCB19(max)	I[60]	0.08	0.00	1.11	0.00	15.14	0.00
60	gLCB20(max)	I[60]	0.00	0.00	0.93	0.00	13.98	0.00
60	gLCB21(max)	I[60]	0.16	0.00	0.97	0.00	18.89	0.00
60	gLCB22(max)	I[60]	0.08	0.00	0.79	0.00	17.73	0.00
60	gLCB23(max)	I[60]	0.08	0.00	1.15	0.00	20.78	0.00
60	gLCB24(max)	I[60]	0.00	0.00	0.97	0.00	19.61	0.00
60	gLCB17(min)	I[60]	-0.75	0.00	-6.33	0.00	-6.72	0.00
60	gLCB18(min)	I[60]	-0.83	0.00	-6.51	0.00	-7.89	0.00
60	gLCB19(min)	I[60]	-0.83	0.00	-6.15	0.00	-4.84	0.00
60	gLCB20(min)	I[60]	-0.91	0.00	-6.33	0.00	-6.00	0.00
60	gLCB21(min)	I[60]	-1.20	0.00	-9.24	0.00	-11.15	0.00
60	gLCB22(min)	I[60]	-1.27	0.00	-9.42	0.00	-12.32	0.00
60	gLCB23(min)	I[60]	-1.27	0.00	-9.07	0.00	-9.27	0.00
60	gLCB24(min)	I[60]	-1.35	0.00	-9.24	0.00	-10.43	0.00
61	gLCB1	I[61]	-13.22	0.00	-4.68	0.00	-9.12	0.00
61	gLCB2	I[61]	-13.12	0.00	-4.15	0.00	-9.82	0.00
61	gLCB3	I[61]	-5.55	0.00	-4.68	0.00	0.74	0.00
61	gLCB4	I[61]	-5.44	0.00	-4.15	0.00	0.04	0.00
61	gLCB5	I[61]	-13.09	0.00	-4.09	0.00	-9.96	0.00
61	gLCB6	I[61]	-12.99	0.00	-3.56	0.00	-10.65	0.00
61	gLCB7	I[61]	-5.42	0.00	-4.09	0.00	-0.09	0.00
61	gLCB8	I[61]	-5.31	0.00	-3.56	0.00	-0.79	0.00
61	gLCB9	I[61]	-13.09	0.00	-4.11	0.00	-9.95	0.00
61	gLCB10	I[61]	-12.98	0.00	-3.58	0.00	-10.65	0.00
61	gLCB11	I[61]	-5.41	0.00	-4.11	0.00	-0.09	0.00
61	gLCB12	I[61]	-5.30	0.00	-3.58	0.00	-0.79	0.00
61	gLCB13	I[61]	-12.96	0.00	-3.52	0.00	-10.79	0.00
61	gLCB14	I[61]	-12.85	0.00	-2.99	0.00	-11.49	0.00
61	gLCB15	I[61]	-5.28	0.00	-3.52	0.00	-0.93	0.00
61	gLCB16	I[61]	-5.17	0.00	-2.99	0.00	-1.62	0.00
61	gLCB17(max)	I[61]	0.16	0.00	1.18	0.00	15.61	0.00
61	gLCB18(max)	I[61]	0.08	0.00	1.00	0.00	14.63	0.00
61	gLCB19(max)	I[61]	0.08	0.00	1.36	0.00	17.32	0.00
61	gLCB20(max)	I[61]	0.00	0.00	1.18	0.00	16.33	0.00
61	gLCB21(max)	I[61]	0.16	0.00	1.37	0.00	23.20	0.00
61	gLCB22(max)	I[61]	0.08	0.00	1.19	0.00	22.22	0.00
61	gLCB23(max)	I[61]	0.08	0.00	1.55	0.00	24.91	0.00
61	gLCB24(max)	I[61]	0.00	0.00	1.37	0.00	23.92	0.00
61	gLCB17(min)	I[61]	-0.75	0.00	-5.89	0.00	-4.95	0.00
61	gLCB18(min)	I[61]	-0.83	0.00	-6.07	0.00	-5.94	0.00
61	gLCB19(min)	I[61]	-0.83	0.00	-5.71	0.00	-3.25	0.00
61	gLCB20(min)	I[61]	-0.91	0.00	-5.89	0.00	-4.24	0.00
61	gLCB21(min)	I[61]	-1.20	0.00	-8.59	0.00	-7.88	0.00
61	gLCB22(min)	I[61]	-1.27	0.00	-8.77	0.00	-8.87	0.00
61	gLCB23(min)	I[61]	-1.27	0.00	-8.41	0.00	-6.18	0.00
61	gLCB24(min)	I[61]	-1.35	0.00	-8.59	0.00	-7.16	0.00
62	gLCB1	I[62]	-13.22	0.00	-4.07	0.00	-4.75	0.00
62	gLCB2	I[62]	-13.12	0.00	-3.60	0.00	-5.94	0.00
62	gLCB3	I[62]	-5.55	0.00	-4.07	0.00	5.12	0.00
62	gLCB4	I[62]	-5.44	0.00	-3.60	0.00	3.92	0.00
62	gLCB5	I[62]	-13.09	0.00	-3.55	0.00	-6.13	0.00
62	gLCB6	I[62]	-12.99	0.00	-3.09	0.00	-7.33	0.00
62	gLCB7	I[62]	-5.42	0.00	-3.55	0.00	3.73	0.00
62	gLCB8	I[62]	-5.31	0.00	-3.09	0.00	2.53	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
62	gLCB9	I[62]	-13.09	0.00	-3.57	0.00	-6.11	0.00
62	gLCB10	I[62]	-12.98	0.00	-3.11	0.00	-7.31	0.00
62	gLCB11	I[62]	-5.41	0.00	-3.57	0.00	3.75	0.00
62	gLCB12	I[62]	-5.30	0.00	-3.11	0.00	2.55	0.00
62	gLCB13	I[62]	-12.96	0.00	-3.06	0.00	-7.50	0.00
62	gLCB14	I[62]	-12.85	0.00	-2.59	0.00	-8.70	0.00
62	gLCB15	I[62]	-5.28	0.00	-3.06	0.00	2.36	0.00
62	gLCB16	I[62]	-5.17	0.00	-2.59	0.00	1.17	0.00
62	gLCB17(max)	I[62]	0.16	0.00	1.43	0.00	17.67	0.00
62	gLCB18(max)	I[62]	0.08	0.00	1.25	0.00	16.87	0.00
62	gLCB19(max)	I[62]	0.08	0.00	1.61	0.00	19.20	0.00
62	gLCB20(max)	I[62]	0.00	0.00	1.43	0.00	18.39	0.00
62	gLCB21(max)	I[62]	0.16	0.00	1.83	0.00	26.97	0.00
62	gLCB22(max)	I[62]	0.08	0.00	1.65	0.00	26.16	0.00
62	gLCB23(max)	I[62]	0.08	0.00	2.01	0.00	28.49	0.00
62	gLCB24(max)	I[62]	0.00	0.00	1.83	0.00	27.68	0.00
62	gLCB17(min)	I[62]	-0.75	0.00	-5.45	0.00	-3.49	0.00
62	gLCB18(min)	I[62]	-0.83	0.00	-5.63	0.00	-4.30	0.00
62	gLCB19(min)	I[62]	-0.83	0.00	-5.27	0.00	-1.96	0.00
62	gLCB20(min)	I[62]	-0.91	0.00	-5.45	0.00	-2.77	0.00
62	gLCB21(min)	I[62]	-1.20	0.00	-7.98	0.00	-5.17	0.00
62	gLCB22(min)	I[62]	-1.27	0.00	-8.16	0.00	-5.98	0.00
62	gLCB23(min)	I[62]	-1.27	0.00	-7.80	0.00	-3.65	0.00
62	gLCB24(min)	I[62]	-1.35	0.00	-7.98	0.00	-4.45	0.00
63	gLCB1	I[63]	-13.22	0.00	-3.45	0.00	-0.99	0.00
63	gLCB2	I[63]	-13.12	0.00	-3.06	0.00	-2.61	0.00
63	gLCB3	I[63]	-5.55	0.00	-3.45	0.00	8.87	0.00
63	gLCB4	I[63]	-5.44	0.00	-3.06	0.00	7.25	0.00
63	gLCB5	I[63]	-13.09	0.00	-3.01	0.00	-2.85	0.00
63	gLCB6	I[63]	-12.99	0.00	-2.62	0.00	-4.47	0.00
63	gLCB7	I[63]	-5.42	0.00	-3.01	0.00	7.01	0.00
63	gLCB8	I[63]	-5.31	0.00	-2.62	0.00	5.39	0.00
63	gLCB9	I[63]	-13.09	0.00	-3.02	0.00	-2.82	0.00
63	gLCB10	I[63]	-12.98	0.00	-2.63	0.00	-4.44	0.00
63	gLCB11	I[63]	-5.41	0.00	-3.02	0.00	7.05	0.00
63	gLCB12	I[63]	-5.30	0.00	-2.63	0.00	5.43	0.00
63	gLCB13	I[63]	-12.96	0.00	-2.59	0.00	-4.68	0.00
63	gLCB14	I[63]	-12.85	0.00	-2.20	0.00	-6.30	0.00
63	gLCB15	I[63]	-5.28	0.00	-2.59	0.00	5.19	0.00
63	gLCB16	I[63]	-5.17	0.00	-2.20	0.00	3.56	0.00
63	gLCB17(max)	I[63]	0.16	0.00	1.69	0.00	19.44	0.00
63	gLCB18(max)	I[63]	0.08	0.00	1.51	0.00	18.81	0.00
63	gLCB19(max)	I[63]	0.08	0.00	1.87	0.00	20.78	0.00
63	gLCB20(max)	I[63]	0.00	0.00	1.69	0.00	20.16	0.00
63	gLCB21(max)	I[63]	0.16	0.00	2.28	0.00	30.18	0.00
63	gLCB22(max)	I[63]	0.08	0.00	2.11	0.00	29.55	0.00
63	gLCB23(max)	I[63]	0.08	0.00	2.46	0.00	31.53	0.00
63	gLCB24(max)	I[63]	0.00	0.00	2.28	0.00	30.90	0.00
63	gLCB17(min)	I[63]	-0.75	0.00	-5.02	0.00	-2.33	0.00
63	gLCB18(min)	I[63]	-0.83	0.00	-5.20	0.00	-2.96	0.00
63	gLCB19(min)	I[63]	-0.83	0.00	-4.84	0.00	-0.98	0.00
63	gLCB20(min)	I[63]	-0.91	0.00	-5.02	0.00	-1.61	0.00
63	gLCB21(min)	I[63]	-1.20	0.00	-7.44	0.00	-3.02	0.00
63	gLCB22(min)	I[63]	-1.27	0.00	-7.62	0.00	-3.65	0.00
63	gLCB23(min)	I[63]	-1.27	0.00	-7.26	0.00	-1.68	0.00
63	gLCB24(min)	I[63]	-1.35	0.00	-7.44	0.00	-2.30	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
64	gLCB1	I[64]	-13.22	0.00	-2.83	0.00	2.15	0.00
64	gLCB2	I[64]	-13.12	0.00	-2.51	0.00	0.17	0.00
64	gLCB3	I[64]	-5.55	0.00	-2.83	0.00	12.01	0.00
64	gLCB4	I[64]	-5.44	0.00	-2.51	0.00	10.03	0.00
64	gLCB5	I[64]	-13.09	0.00	-2.47	0.00	-0.11	0.00
64	gLCB6	I[64]	-12.99	0.00	-2.15	0.00	-2.09	0.00
64	gLCB7	I[64]	-5.42	0.00	-2.47	0.00	9.75	0.00
64	gLCB8	I[64]	-5.31	0.00	-2.15	0.00	7.77	0.00
64	gLCB9	I[64]	-13.09	0.00	-2.48	0.00	-0.06	0.00
64	gLCB10	I[64]	-12.98	0.00	-2.16	0.00	-2.04	0.00
64	gLCB11	I[64]	-5.41	0.00	-2.48	0.00	9.80	0.00
64	gLCB12	I[64]	-5.30	0.00	-2.16	0.00	7.82	0.00
64	gLCB13	I[64]	-12.96	0.00	-2.12	0.00	-2.32	0.00
64	gLCB14	I[64]	-12.85	0.00	-1.80	0.00	-4.30	0.00
64	gLCB15	I[64]	-5.28	0.00	-2.12	0.00	7.54	0.00
64	gLCB16	I[64]	-5.17	0.00	-1.80	0.00	5.56	0.00
64	gLCB17(max)	I[64]	0.16	0.00	1.94	0.00	20.91	0.00
64	gLCB18(max)	I[64]	0.08	0.00	1.76	0.00	20.46	0.00
64	gLCB19(max)	I[64]	0.08	0.00	2.12	0.00	22.07	0.00
64	gLCB20(max)	I[64]	0.00	0.00	1.94	0.00	21.62	0.00
64	gLCB21(max)	I[64]	0.16	0.00	2.74	0.00	32.85	0.00
64	gLCB22(max)	I[64]	0.08	0.00	2.56	0.00	32.40	0.00
64	gLCB23(max)	I[64]	0.08	0.00	2.92	0.00	34.02	0.00
64	gLCB24(max)	I[64]	0.00	0.00	2.74	0.00	33.57	0.00
64	gLCB17(min)	I[64]	-0.75	0.00	-4.58	0.00	-1.47	0.00
64	gLCB18(min)	I[64]	-0.83	0.00	-4.76	0.00	-1.92	0.00
64	gLCB19(min)	I[64]	-0.83	0.00	-4.40	0.00	-0.30	0.00
64	gLCB20(min)	I[64]	-0.91	0.00	-4.58	0.00	-0.75	0.00
64	gLCB21(min)	I[64]	-1.20	0.00	-6.96	0.00	-1.49	0.00
64	gLCB22(min)	I[64]	-1.27	0.00	-7.14	0.00	-1.94	0.00
64	gLCB23(min)	I[64]	-1.27	0.00	-6.78	0.00	-0.32	0.00
64	gLCB24(min)	I[64]	-1.35	0.00	-6.96	0.00	-0.77	0.00
65	gLCB1	I[65]	-13.22	0.00	-2.20	0.00	4.66	0.00
65	gLCB2	I[65]	-13.12	0.00	-1.95	0.00	2.40	0.00
65	gLCB3	I[65]	-5.55	0.00	-2.20	0.00	14.52	0.00
65	gLCB4	I[65]	-5.44	0.00	-1.95	0.00	12.26	0.00
65	gLCB5	I[65]	-13.09	0.00	-1.92	0.00	2.09	0.00
65	gLCB6	I[65]	-12.99	0.00	-1.68	0.00	-0.18	0.00
65	gLCB7	I[65]	-5.42	0.00	-1.92	0.00	11.95	0.00
65	gLCB8	I[65]	-5.31	0.00	-1.68	0.00	9.69	0.00
65	gLCB9	I[65]	-13.09	0.00	-1.93	0.00	2.14	0.00
65	gLCB10	I[65]	-12.98	0.00	-1.68	0.00	-0.12	0.00
65	gLCB11	I[65]	-5.41	0.00	-1.93	0.00	12.00	0.00
65	gLCB12	I[65]	-5.30	0.00	-1.68	0.00	9.74	0.00
65	gLCB13	I[65]	-12.96	0.00	-1.65	0.00	-0.43	0.00
65	gLCB14	I[65]	-12.85	0.00	-1.41	0.00	-2.69	0.00
65	gLCB15	I[65]	-5.28	0.00	-1.65	0.00	9.43	0.00
65	gLCB16	I[65]	-5.17	0.00	-1.41	0.00	7.17	0.00
65	gLCB17(max)	I[65]	0.16	0.00	2.19	0.00	22.09	0.00
65	gLCB18(max)	I[65]	0.08	0.00	2.02	0.00	21.82	0.00
65	gLCB19(max)	I[65]	0.08	0.00	2.37	0.00	23.07	0.00
65	gLCB20(max)	I[65]	0.00	0.00	2.19	0.00	22.81	0.00
65	gLCB21(max)	I[65]	0.16	0.00	3.20	0.00	34.98	0.00
65	gLCB22(max)	I[65]	0.08	0.00	3.02	0.00	34.71	0.00
65	gLCB23(max)	I[65]	0.08	0.00	3.38	0.00	35.96	0.00
65	gLCB24(max)	I[65]	0.00	0.00	3.20	0.00	35.70	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
65	gLCB17(min)	I[65]	-0.75	0.00	-4.15	0.00	-0.92	0.00
65	gLCB18(min)	I[65]	-0.83	0.00	-4.33	0.00	-1.18	0.00
65	gLCB19(min)	I[65]	-0.83	0.00	-3.97	0.00	0.07	0.00
65	gLCB20(min)	I[65]	-0.91	0.00	-4.15	0.00	-0.20	0.00
65	gLCB21(min)	I[65]	-1.20	0.00	-6.49	0.00	-0.90	0.00
65	gLCB22(min)	I[65]	-1.27	0.00	-6.66	0.00	-1.17	0.00
65	gLCB23(min)	I[65]	-1.27	0.00	-6.31	0.00	0.09	0.00
65	gLCB24(min)	I[65]	-1.35	0.00	-6.49	0.00	-0.18	0.00
66	gLCB1	I[66]	-13.22	0.00	-1.58	0.00	6.55	0.00
66	gLCB2	I[66]	-13.12	0.00	-1.40	0.00	4.07	0.00
66	gLCB3	I[66]	-5.55	0.00	-1.58	0.00	16.41	0.00
66	gLCB4	I[66]	-5.44	0.00	-1.40	0.00	13.94	0.00
66	gLCB5	I[66]	-13.09	0.00	-1.38	0.00	3.74	0.00
66	gLCB6	I[66]	-12.99	0.00	-1.20	0.00	1.26	0.00
66	gLCB7	I[66]	-5.42	0.00	-1.38	0.00	13.60	0.00
66	gLCB8	I[66]	-5.31	0.00	-1.20	0.00	11.13	0.00
66	gLCB9	I[66]	-13.09	0.00	-1.38	0.00	3.80	0.00
66	gLCB10	I[66]	-12.98	0.00	-1.20	0.00	1.32	0.00
66	gLCB11	I[66]	-5.41	0.00	-1.38	0.00	13.66	0.00
66	gLCB12	I[66]	-5.30	0.00	-1.20	0.00	11.18	0.00
66	gLCB13	I[66]	-12.96	0.00	-1.18	0.00	0.99	0.00
66	gLCB14	I[66]	-12.85	0.00	-1.01	0.00	-1.49	0.00
66	gLCB15	I[66]	-5.28	0.00	-1.18	0.00	10.85	0.00
66	gLCB16	I[66]	-5.17	0.00	-1.01	0.00	8.37	0.00
66	gLCB17(max)	I[66]	0.16	0.00	2.45	0.00	23.05	0.00
66	gLCB18(max)	I[66]	0.08	0.00	2.27	0.00	22.97	0.00
66	gLCB19(max)	I[66]	0.08	0.00	2.63	0.00	23.86	0.00
66	gLCB20(max)	I[66]	0.00	0.00	2.45	0.00	23.77	0.00
66	gLCB21(max)	I[66]	0.16	0.00	3.66	0.00	36.56	0.00
66	gLCB22(max)	I[66]	0.08	0.00	3.48	0.00	36.47	0.00
66	gLCB23(max)	I[66]	0.08	0.00	3.84	0.00	37.36	0.00
66	gLCB24(max)	I[66]	0.00	0.00	3.66	0.00	37.27	0.00
66	gLCB17(min)	I[66]	-0.75	0.00	-3.78	0.00	-0.72	0.00
66	gLCB18(min)	I[66]	-0.83	0.00	-3.96	0.00	-0.81	0.00
66	gLCB19(min)	I[66]	-0.83	0.00	-3.60	0.00	0.09	0.00
66	gLCB20(min)	I[66]	-0.91	0.00	-3.78	0.00	-0.00	0.00
66	gLCB21(min)	I[66]	-1.20	0.00	-6.01	0.00	-0.72	0.00
66	gLCB22(min)	I[66]	-1.27	0.00	-6.19	0.00	-0.81	0.00
66	gLCB23(min)	I[66]	-1.27	0.00	-5.84	0.00	0.09	0.00
66	gLCB24(min)	I[66]	-1.35	0.00	-6.01	0.00	-0.00	0.00
67	gLCB1	I[67]	-13.22	0.00	-0.95	0.00	7.81	0.00
67	gLCB2	I[67]	-13.12	0.00	-0.84	0.00	5.19	0.00
67	gLCB3	I[67]	-5.55	0.00	-0.95	0.00	17.67	0.00
67	gLCB4	I[67]	-5.44	0.00	-0.84	0.00	15.05	0.00
67	gLCB5	I[67]	-13.09	0.00	-0.83	0.00	4.84	0.00
67	gLCB6	I[67]	-12.99	0.00	-0.72	0.00	2.22	0.00
67	gLCB7	I[67]	-5.42	0.00	-0.83	0.00	14.70	0.00
67	gLCB8	I[67]	-5.31	0.00	-0.72	0.00	12.09	0.00
67	gLCB9	I[67]	-13.09	0.00	-0.83	0.00	4.90	0.00
67	gLCB10	I[67]	-12.98	0.00	-0.72	0.00	2.29	0.00
67	gLCB11	I[67]	-5.41	0.00	-0.83	0.00	14.77	0.00
67	gLCB12	I[67]	-5.30	0.00	-0.72	0.00	12.15	0.00
67	gLCB13	I[67]	-12.96	0.00	-0.71	0.00	1.93	0.00
67	gLCB14	I[67]	-12.85	0.00	-0.60	0.00	-0.68	0.00
67	gLCB15	I[67]	-5.28	0.00	-0.71	0.00	11.80	0.00
67	gLCB16	I[67]	-5.17	0.00	-0.60	0.00	9.18	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
67	gLCB17(max)	I[67]	0.16	0.00	2.70	0.00	23.66	0.00	
67	gLCB18(max)	I[67]	0.08	0.00	2.52	0.00	23.75	0.00	
67	gLCB19(max)	I[67]	0.08	0.00	2.88	0.00	24.29	0.00	
67	gLCB20(max)	I[67]	0.00	0.00	2.70	0.00	24.38	0.00	
67	gLCB21(max)	I[67]	0.16	0.00	4.13	0.00	37.59	0.00	
67	gLCB22(max)	I[67]	0.08	0.00	3.95	0.00	37.68	0.00	
67	gLCB23(max)	I[67]	0.08	0.00	4.31	0.00	38.22	0.00	
67	gLCB24(max)	I[67]	0.00	0.00	4.13	0.00	38.31	0.00	
67	gLCB17(min)	I[67]	-0.75	0.00	-3.47	0.00	-0.72	0.00	
67	gLCB18(min)	I[67]	-0.83	0.00	-3.65	0.00	-0.63	0.00	
67	gLCB19(min)	I[67]	-0.83	0.00	-3.29	0.00	-0.09	0.00	
67	gLCB20(min)	I[67]	-0.91	0.00	-3.47	0.00	0.00	0.00	
67	gLCB21(min)	I[67]	-1.20	0.00	-5.54	0.00	-0.72	0.00	
67	gLCB22(min)	I[67]	-1.27	0.00	-5.72	0.00	-0.63	0.00	
67	gLCB23(min)	I[67]	-1.27	0.00	-5.36	0.00	-0.09	0.00	
67	gLCB24(min)	I[67]	-1.35	0.00	-5.54	0.00	0.00	0.00	
68	gLCB1	I[68]	-13.22	0.00	-0.32	0.00	8.44	0.00	
68	gLCB2	I[68]	-13.12	0.00	-0.28	0.00	5.75	0.00	
68	gLCB3	I[68]	-5.55	0.00	-0.32	0.00	18.30	0.00	
68	gLCB4	I[68]	-5.44	0.00	-0.28	0.00	15.62	0.00	
68	gLCB5	I[68]	-13.09	0.00	-0.28	0.00	5.39	0.00	
68	gLCB6	I[68]	-12.99	0.00	-0.24	0.00	2.70	0.00	
68	gLCB7	I[68]	-5.42	0.00	-0.28	0.00	15.26	0.00	
68	gLCB8	I[68]	-5.31	0.00	-0.24	0.00	12.57	0.00	
68	gLCB9	I[68]	-13.09	0.00	-0.28	0.00	5.46	0.00	
68	gLCB10	I[68]	-12.98	0.00	-0.24	0.00	2.77	0.00	
68	gLCB11	I[68]	-5.41	0.00	-0.28	0.00	15.32	0.00	
68	gLCB12	I[68]	-5.30	0.00	-0.24	0.00	12.63	0.00	
68	gLCB13	I[68]	-12.96	0.00	-0.24	0.00	2.41	0.00	
68	gLCB14	I[68]	-12.85	0.00	-0.20	0.00	-0.28	0.00	
68	gLCB15	I[68]	-5.28	0.00	-0.24	0.00	12.27	0.00	
68	gLCB16	I[68]	-5.17	0.00	-0.20	0.00	9.58	0.00	
68	gLCB17(max)	I[68]	0.16	0.00	2.96	0.00	23.87	0.00	
68	gLCB18(max)	I[68]	0.08	0.00	2.78	0.00	24.14	0.00	
68	gLCB19(max)	I[68]	0.08	0.00	3.14	0.00	24.32	0.00	
68	gLCB20(max)	I[68]	0.00	0.00	2.96	0.00	24.59	0.00	
68	gLCB21(max)	I[68]	0.16	0.00	4.60	0.00	38.10	0.00	
68	gLCB22(max)	I[68]	0.08	0.00	4.42	0.00	38.37	0.00	
68	gLCB23(max)	I[68]	0.08	0.00	4.78	0.00	38.54	0.00	
68	gLCB24(max)	I[68]	0.00	0.00	4.60	0.00	38.81	0.00	
68	gLCB17(min)	I[68]	-0.75	0.00	-3.21	0.00	-0.72	0.00	
68	gLCB18(min)	I[68]	-0.83	0.00	-3.39	0.00	-0.45	0.00	
68	gLCB19(min)	I[68]	-0.83	0.00	-3.03	0.00	-0.27	0.00	
68	gLCB20(min)	I[68]	-0.91	0.00	-3.21	0.00	0.00	0.00	
68	gLCB21(min)	I[68]	-1.20	0.00	-5.07	0.00	-0.72	0.00	
68	gLCB22(min)	I[68]	-1.27	0.00	-5.25	0.00	-0.45	0.00	
68	gLCB23(min)	I[68]	-1.27	0.00	-4.89	0.00	-0.27	0.00	
68	gLCB24(min)	I[68]	-1.35	0.00	-5.07	0.00	0.00	0.00	
69	gLCB1	I[69]	-13.22	0.00	0.00	0.00	8.52	0.00	
69	gLCB2	I[69]	-13.12	0.00	0.00	0.00	5.82	0.00	
69	gLCB3	I[69]	-5.55	0.00	0.00	0.00	18.38	0.00	Midspan
69	gLCB4	I[69]	-5.44	0.00	0.00	0.00	15.69	0.00	Min. Soil
69	gLCB5	I[69]	-13.09	0.00	0.00	0.00	5.46	0.00	Max DL
69	gLCB6	I[69]	-12.99	0.00	0.00	0.00	2.77	0.00	
69	gLCB7	I[69]	-5.42	0.00	0.00	0.00	15.33	0.00	
69	gLCB8	I[69]	-5.31	0.00	0.00	0.00	12.63	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
69	gLCB9	I[69]	-13.09	0.00	0.00	0.00	5.53	0.00	
69	gLCB10	I[69]	-12.98	0.00	0.00	0.00	2.83	0.00	
69	gLCB11	I[69]	-5.41	0.00	0.00	0.00	15.39	0.00	
69	gLCB12	I[69]	-5.30	0.00	0.00	0.00	12.69	0.00	
69	gLCB13	I[69]	-12.96	0.00	0.00	0.00	2.47	0.00	
69	gLCB14	I[69]	-12.85	0.00	0.00	0.00	-0.23	0.00	
69	gLCB15	I[69]	-5.28	0.00	0.00	0.00	12.33	0.00	
69	gLCB16	I[69]	-5.17	0.00	0.00	0.00	9.63	0.00	
69	gLCB17(max)	I[69]	0.16	0.00	3.08	0.00	23.87	0.00	
69	gLCB18(max)	I[69]	0.08	0.00	2.91	0.00	24.23	0.00	
69	gLCB19(max)	I[69]	0.08	0.00	3.26	0.00	24.23	0.00	Midspan
69	gLCB20(max)	I[69]	0.00	0.00	3.08	0.00	24.59	0.00	Min. Soil
69	gLCB21(max)	I[69]	0.16	0.00	4.84	0.00	38.15	0.00	Max EV2
69	gLCB22(max)	I[69]	0.08	0.00	4.66	0.00	38.50	0.00	
69	gLCB23(max)	I[69]	0.08	0.00	5.02	0.00	38.50	0.00	Midspan
69	gLCB24(max)	I[69]	0.00	0.00	4.84	0.00	38.86	0.00	Min. Soil
69	gLCB17(min)	I[69]	-0.75	0.00	-3.08	0.00	-0.72	0.00	Max EV3
69	gLCB18(min)	I[69]	-0.83	0.00	-3.26	0.00	-0.36	0.00	
69	gLCB19(min)	I[69]	-0.83	0.00	-2.91	0.00	-0.36	0.00	
69	gLCB20(min)	I[69]	-0.91	0.00	-3.08	0.00	0.00	0.00	
69	gLCB21(min)	I[69]	-1.20	0.00	-4.84	0.00	-0.72	0.00	
69	gLCB22(min)	I[69]	-1.27	0.00	-5.02	0.00	-0.36	0.00	
69	gLCB23(min)	I[69]	-1.27	0.00	-4.66	0.00	-0.36	0.00	
69	gLCB24(min)	I[69]	-1.35	0.00	-4.84	0.00	0.00	0.00	
70	gLCB1	I[70]	-13.22	0.00	0.32	0.00	8.44	0.00	
70	gLCB2	I[70]	-13.12	0.00	0.28	0.00	5.75	0.00	
70	gLCB3	I[70]	-5.55	0.00	0.32	0.00	18.30	0.00	
70	gLCB4	I[70]	-5.44	0.00	0.28	0.00	15.62	0.00	
70	gLCB5	I[70]	-13.09	0.00	0.28	0.00	5.39	0.00	
70	gLCB6	I[70]	-12.99	0.00	0.24	0.00	2.70	0.00	
70	gLCB7	I[70]	-5.42	0.00	0.28	0.00	15.26	0.00	
70	gLCB8	I[70]	-5.31	0.00	0.24	0.00	12.57	0.00	
70	gLCB9	I[70]	-13.09	0.00	0.28	0.00	5.46	0.00	
70	gLCB10	I[70]	-12.98	0.00	0.24	0.00	2.77	0.00	
70	gLCB11	I[70]	-5.41	0.00	0.28	0.00	15.32	0.00	
70	gLCB12	I[70]	-5.30	0.00	0.24	0.00	12.63	0.00	
70	gLCB13	I[70]	-12.96	0.00	0.24	0.00	2.41	0.00	
70	gLCB14	I[70]	-12.85	0.00	0.20	0.00	-0.28	0.00	
70	gLCB15	I[70]	-5.28	0.00	0.24	0.00	12.27	0.00	
70	gLCB16	I[70]	-5.17	0.00	0.20	0.00	9.58	0.00	
70	gLCB17(max)	I[70]	0.16	0.00	3.21	0.00	23.87	0.00	
70	gLCB18(max)	I[70]	0.08	0.00	3.03	0.00	24.32	0.00	
70	gLCB19(max)	I[70]	0.08	0.00	3.39	0.00	24.14	0.00	
70	gLCB20(max)	I[70]	0.00	0.00	3.21	0.00	24.59	0.00	
70	gLCB21(max)	I[70]	0.16	0.00	5.07	0.00	38.10	0.00	
70	gLCB22(max)	I[70]	0.08	0.00	4.89	0.00	38.54	0.00	
70	gLCB23(max)	I[70]	0.08	0.00	5.25	0.00	38.37	0.00	
70	gLCB24(max)	I[70]	0.00	0.00	5.07	0.00	38.81	0.00	
70	gLCB17(min)	I[70]	-0.75	0.00	-2.96	0.00	-0.72	0.00	
70	gLCB18(min)	I[70]	-0.83	0.00	-3.14	0.00	-0.27	0.00	
70	gLCB19(min)	I[70]	-0.83	0.00	-2.78	0.00	-0.45	0.00	
70	gLCB20(min)	I[70]	-0.91	0.00	-2.96	0.00	0.00	0.00	
70	gLCB21(min)	I[70]	-1.20	0.00	-4.60	0.00	-0.72	0.00	
70	gLCB22(min)	I[70]	-1.27	0.00	-4.78	0.00	-0.27	0.00	
70	gLCB23(min)	I[70]	-1.27	0.00	-4.42	0.00	-0.45	0.00	
70	gLCB24(min)	I[70]	-1.35	0.00	-4.60	0.00	0.00	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
71	gLCB1	I[71]	-13.22	0.00	0.95	0.00	7.81	0.00
71	gLCB2	I[71]	-13.12	0.00	0.84	0.00	5.19	0.00
71	gLCB3	I[71]	-5.55	0.00	0.95	0.00	17.67	0.00
71	gLCB4	I[71]	-5.44	0.00	0.84	0.00	15.05	0.00
71	gLCB5	I[71]	-13.09	0.00	0.83	0.00	4.84	0.00
71	gLCB6	I[71]	-12.99	0.00	0.72	0.00	2.22	0.00
71	gLCB7	I[71]	-5.42	0.00	0.83	0.00	14.70	0.00
71	gLCB8	I[71]	-5.31	0.00	0.72	0.00	12.09	0.00
71	gLCB9	I[71]	-13.09	0.00	0.83	0.00	4.90	0.00
71	gLCB10	I[71]	-12.98	0.00	0.72	0.00	2.29	0.00
71	gLCB11	I[71]	-5.41	0.00	0.83	0.00	14.77	0.00
71	gLCB12	I[71]	-5.30	0.00	0.72	0.00	12.15	0.00
71	gLCB13	I[71]	-12.96	0.00	0.71	0.00	1.93	0.00
71	gLCB14	I[71]	-12.85	0.00	0.60	0.00	-0.68	0.00
71	gLCB15	I[71]	-5.28	0.00	0.71	0.00	11.80	0.00
71	gLCB16	I[71]	-5.17	0.00	0.60	0.00	9.18	0.00
71	gLCB17(max)	I[71]	0.16	0.00	3.47	0.00	23.66	0.00
71	gLCB18(max)	I[71]	0.08	0.00	3.29	0.00	24.29	0.00
71	gLCB19(max)	I[71]	0.08	0.00	3.65	0.00	23.75	0.00
71	gLCB20(max)	I[71]	0.00	0.00	3.47	0.00	24.38	0.00
71	gLCB21(max)	I[71]	0.16	0.00	5.54	0.00	37.59	0.00
71	gLCB22(max)	I[71]	0.08	0.00	5.36	0.00	38.22	0.00
71	gLCB23(max)	I[71]	0.08	0.00	5.72	0.00	37.68	0.00
71	gLCB24(max)	I[71]	0.00	0.00	5.54	0.00	38.31	0.00
71	gLCB17(min)	I[71]	-0.75	0.00	-2.70	0.00	-0.72	0.00
71	gLCB18(min)	I[71]	-0.83	0.00	-2.88	0.00	-0.09	0.00
71	gLCB19(min)	I[71]	-0.83	0.00	-2.52	0.00	-0.63	0.00
71	gLCB20(min)	I[71]	-0.91	0.00	-2.70	0.00	0.00	0.00
71	gLCB21(min)	I[71]	-1.20	0.00	-4.13	0.00	-0.72	0.00
71	gLCB22(min)	I[71]	-1.27	0.00	-4.31	0.00	-0.09	0.00
71	gLCB23(min)	I[71]	-1.27	0.00	-3.95	0.00	-0.63	0.00
71	gLCB24(min)	I[71]	-1.35	0.00	-4.13	0.00	0.00	0.00
72	gLCB1	I[72]	-13.22	0.00	1.58	0.00	6.55	0.00
72	gLCB2	I[72]	-13.12	0.00	1.40	0.00	4.07	0.00
72	gLCB3	I[72]	-5.55	0.00	1.58	0.00	16.41	0.00
72	gLCB4	I[72]	-5.44	0.00	1.40	0.00	13.94	0.00
72	gLCB5	I[72]	-13.09	0.00	1.38	0.00	3.74	0.00
72	gLCB6	I[72]	-12.99	0.00	1.20	0.00	1.26	0.00
72	gLCB7	I[72]	-5.42	0.00	1.38	0.00	13.60	0.00
72	gLCB8	I[72]	-5.31	0.00	1.20	0.00	11.13	0.00
72	gLCB9	I[72]	-13.09	0.00	1.38	0.00	3.80	0.00
72	gLCB10	I[72]	-12.98	0.00	1.20	0.00	1.32	0.00
72	gLCB11	I[72]	-5.41	0.00	1.38	0.00	13.66	0.00
72	gLCB12	I[72]	-5.30	0.00	1.20	0.00	11.18	0.00
72	gLCB13	I[72]	-12.96	0.00	1.18	0.00	0.99	0.00
72	gLCB14	I[72]	-12.85	0.00	1.01	0.00	-1.49	0.00
72	gLCB15	I[72]	-5.28	0.00	1.18	0.00	10.85	0.00
72	gLCB16	I[72]	-5.17	0.00	1.01	0.00	8.37	0.00
72	gLCB17(max)	I[72]	0.16	0.00	3.78	0.00	23.05	0.00
72	gLCB18(max)	I[72]	0.08	0.00	3.60	0.00	23.86	0.00
72	gLCB19(max)	I[72]	0.08	0.00	3.96	0.00	22.97	0.00
72	gLCB20(max)	I[72]	0.00	0.00	3.78	0.00	23.77	0.00
72	gLCB21(max)	I[72]	0.16	0.00	6.01	0.00	36.56	0.00
72	gLCB22(max)	I[72]	0.08	0.00	5.84	0.00	37.36	0.00
72	gLCB23(max)	I[72]	0.08	0.00	6.19	0.00	36.47	0.00
72	gLCB24(max)	I[72]	0.00	0.00	6.01	0.00	37.27	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
72	gLCB17(min)	I[72]	-0.75	0.00	-2.45	0.00	-0.72	0.00
72	gLCB18(min)	I[72]	-0.83	0.00	-2.63	0.00	0.09	0.00
72	gLCB19(min)	I[72]	-0.83	0.00	-2.27	0.00	-0.81	0.00
72	gLCB20(min)	I[72]	-0.91	0.00	-2.45	0.00	-0.00	0.00
72	gLCB21(min)	I[72]	-1.20	0.00	-3.66	0.00	-0.72	0.00
72	gLCB22(min)	I[72]	-1.27	0.00	-3.84	0.00	0.09	0.00
72	gLCB23(min)	I[72]	-1.27	0.00	-3.48	0.00	-0.81	0.00
72	gLCB24(min)	I[72]	-1.35	0.00	-3.66	0.00	-0.00	0.00
73	gLCB1	I[73]	-13.22	0.00	2.20	0.00	4.66	0.00
73	gLCB2	I[73]	-13.12	0.00	1.95	0.00	2.40	0.00
73	gLCB3	I[73]	-5.55	0.00	2.20	0.00	14.52	0.00
73	gLCB4	I[73]	-5.44	0.00	1.95	0.00	12.26	0.00
73	gLCB5	I[73]	-13.09	0.00	1.92	0.00	2.09	0.00
73	gLCB6	I[73]	-12.99	0.00	1.68	0.00	-0.18	0.00
73	gLCB7	I[73]	-5.42	0.00	1.92	0.00	11.95	0.00
73	gLCB8	I[73]	-5.31	0.00	1.68	0.00	9.69	0.00
73	gLCB9	I[73]	-13.09	0.00	1.93	0.00	2.14	0.00
73	gLCB10	I[73]	-12.98	0.00	1.68	0.00	-0.12	0.00
73	gLCB11	I[73]	-5.41	0.00	1.93	0.00	12.00	0.00
73	gLCB12	I[73]	-5.30	0.00	1.68	0.00	9.74	0.00
73	gLCB13	I[73]	-12.96	0.00	1.65	0.00	-0.43	0.00
73	gLCB14	I[73]	-12.85	0.00	1.41	0.00	-2.69	0.00
73	gLCB15	I[73]	-5.28	0.00	1.65	0.00	9.43	0.00
73	gLCB16	I[73]	-5.17	0.00	1.41	0.00	7.17	0.00
73	gLCB17(max)	I[73]	0.16	0.00	4.15	0.00	22.09	0.00
73	gLCB18(max)	I[73]	0.08	0.00	3.97	0.00	23.07	0.00
73	gLCB19(max)	I[73]	0.08	0.00	4.33	0.00	21.82	0.00
73	gLCB20(max)	I[73]	0.00	0.00	4.15	0.00	22.81	0.00
73	gLCB21(max)	I[73]	0.16	0.00	6.49	0.00	34.98	0.00
73	gLCB22(max)	I[73]	0.08	0.00	6.31	0.00	35.96	0.00
73	gLCB23(max)	I[73]	0.08	0.00	6.66	0.00	34.71	0.00
73	gLCB24(max)	I[73]	0.00	0.00	6.49	0.00	35.70	0.00
73	gLCB17(min)	I[73]	-0.75	0.00	-2.19	0.00	-0.92	0.00
73	gLCB18(min)	I[73]	-0.83	0.00	-2.37	0.00	0.07	0.00
73	gLCB19(min)	I[73]	-0.83	0.00	-2.02	0.00	-1.18	0.00
73	gLCB20(min)	I[73]	-0.91	0.00	-2.19	0.00	-0.20	0.00
73	gLCB21(min)	I[73]	-1.20	0.00	-3.20	0.00	-0.90	0.00
73	gLCB22(min)	I[73]	-1.27	0.00	-3.38	0.00	0.09	0.00
73	gLCB23(min)	I[73]	-1.27	0.00	-3.02	0.00	-1.17	0.00
73	gLCB24(min)	I[73]	-1.35	0.00	-3.20	0.00	-0.18	0.00
74	gLCB1	I[74]	-13.22	0.00	2.83	0.00	2.15	0.00
74	gLCB2	I[74]	-13.12	0.00	2.51	0.00	0.17	0.00
74	gLCB3	I[74]	-5.55	0.00	2.83	0.00	12.01	0.00
74	gLCB4	I[74]	-5.44	0.00	2.51	0.00	10.03	0.00
74	gLCB5	I[74]	-13.09	0.00	2.47	0.00	-0.11	0.00
74	gLCB6	I[74]	-12.99	0.00	2.15	0.00	-2.09	0.00
74	gLCB7	I[74]	-5.42	0.00	2.47	0.00	9.75	0.00
74	gLCB8	I[74]	-5.31	0.00	2.15	0.00	7.77	0.00
74	gLCB9	I[74]	-13.09	0.00	2.48	0.00	-0.06	0.00
74	gLCB10	I[74]	-12.98	0.00	2.16	0.00	-2.04	0.00
74	gLCB11	I[74]	-5.41	0.00	2.48	0.00	9.80	0.00
74	gLCB12	I[74]	-5.30	0.00	2.16	0.00	7.82	0.00
74	gLCB13	I[74]	-12.96	0.00	2.12	0.00	-2.32	0.00
74	gLCB14	I[74]	-12.85	0.00	1.80	0.00	-4.30	0.00
74	gLCB15	I[74]	-5.28	0.00	2.12	0.00	7.54	0.00
74	gLCB16	I[74]	-5.17	0.00	1.80	0.00	5.56	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
74	gLCB17(max)	I[74]	0.16	0.00	4.58	0.00	20.91	0.00
74	gLCB18(max)	I[74]	0.08	0.00	4.40	0.00	22.07	0.00
74	gLCB19(max)	I[74]	0.08	0.00	4.76	0.00	20.46	0.00
74	gLCB20(max)	I[74]	0.00	0.00	4.58	0.00	21.62	0.00
74	gLCB21(max)	I[74]	0.16	0.00	6.96	0.00	32.85	0.00
74	gLCB22(max)	I[74]	0.08	0.00	6.78	0.00	34.02	0.00
74	gLCB23(max)	I[74]	0.08	0.00	7.14	0.00	32.40	0.00
74	gLCB24(max)	I[74]	0.00	0.00	6.96	0.00	33.57	0.00
74	gLCB17(min)	I[74]	-0.75	0.00	-1.94	0.00	-1.47	0.00
74	gLCB18(min)	I[74]	-0.83	0.00	-2.12	0.00	-0.30	0.00
74	gLCB19(min)	I[74]	-0.83	0.00	-1.76	0.00	-1.92	0.00
74	gLCB20(min)	I[74]	-0.91	0.00	-1.94	0.00	-0.75	0.00
74	gLCB21(min)	I[74]	-1.20	0.00	-2.74	0.00	-1.49	0.00
74	gLCB22(min)	I[74]	-1.27	0.00	-2.92	0.00	-0.32	0.00
74	gLCB23(min)	I[74]	-1.27	0.00	-2.56	0.00	-1.94	0.00
74	gLCB24(min)	I[74]	-1.35	0.00	-2.74	0.00	-0.77	0.00
75	gLCB1	I[75]	-13.22	0.00	3.45	0.00	-0.99	0.00
75	gLCB2	I[75]	-13.12	0.00	3.06	0.00	-2.61	0.00
75	gLCB3	I[75]	-5.55	0.00	3.45	0.00	8.87	0.00
75	gLCB4	I[75]	-5.44	0.00	3.06	0.00	7.25	0.00
75	gLCB5	I[75]	-13.09	0.00	3.01	0.00	-2.85	0.00
75	gLCB6	I[75]	-12.99	0.00	2.62	0.00	-4.47	0.00
75	gLCB7	I[75]	-5.42	0.00	3.01	0.00	7.01	0.00
75	gLCB8	I[75]	-5.31	0.00	2.62	0.00	5.39	0.00
75	gLCB9	I[75]	-13.09	0.00	3.03	0.00	-2.82	0.00
75	gLCB10	I[75]	-12.98	0.00	2.63	0.00	-4.44	0.00
75	gLCB11	I[75]	-5.41	0.00	3.02	0.00	7.05	0.00
75	gLCB12	I[75]	-5.30	0.00	2.63	0.00	5.43	0.00
75	gLCB13	I[75]	-12.96	0.00	2.59	0.00	-4.68	0.00
75	gLCB14	I[75]	-12.85	0.00	2.20	0.00	-6.30	0.00
75	gLCB15	I[75]	-5.28	0.00	2.59	0.00	5.19	0.00
75	gLCB16	I[75]	-5.17	0.00	2.20	0.00	3.56	0.00
75	gLCB17(max)	I[75]	0.16	0.00	5.02	0.00	19.44	0.00
75	gLCB18(max)	I[75]	0.08	0.00	4.84	0.00	20.78	0.00
75	gLCB19(max)	I[75]	0.08	0.00	5.20	0.00	18.81	0.00
75	gLCB20(max)	I[75]	0.00	0.00	5.02	0.00	20.16	0.00
75	gLCB21(max)	I[75]	0.16	0.00	7.44	0.00	30.18	0.00
75	gLCB22(max)	I[75]	0.08	0.00	7.26	0.00	31.53	0.00
75	gLCB23(max)	I[75]	0.08	0.00	7.62	0.00	29.55	0.00
75	gLCB24(max)	I[75]	0.00	0.00	7.44	0.00	30.90	0.00
75	gLCB17(min)	I[75]	-0.75	0.00	-1.69	0.00	-2.33	0.00
75	gLCB18(min)	I[75]	-0.83	0.00	-1.87	0.00	-0.98	0.00
75	gLCB19(min)	I[75]	-0.83	0.00	-1.51	0.00	-2.96	0.00
75	gLCB20(min)	I[75]	-0.91	0.00	-1.69	0.00	-1.61	0.00
75	gLCB21(min)	I[75]	-1.20	0.00	-2.28	0.00	-3.02	0.00
75	gLCB22(min)	I[75]	-1.27	0.00	-2.46	0.00	-1.68	0.00
75	gLCB23(min)	I[75]	-1.27	0.00	-2.11	0.00	-3.65	0.00
75	gLCB24(min)	I[75]	-1.35	0.00	-2.28	0.00	-2.30	0.00
76	gLCB1	I[76]	-13.22	0.00	4.07	0.00	-4.75	0.00
76	gLCB2	I[76]	-13.12	0.00	3.60	0.00	-5.94	0.00
76	gLCB3	I[76]	-5.55	0.00	4.07	0.00	5.12	0.00
76	gLCB4	I[76]	-5.44	0.00	3.60	0.00	3.92	0.00
76	gLCB5	I[76]	-13.09	0.00	3.55	0.00	-6.13	0.00
76	gLCB6	I[76]	-12.99	0.00	3.09	0.00	-7.33	0.00
76	gLCB7	I[76]	-5.42	0.00	3.55	0.00	3.73	0.00
76	gLCB8	I[76]	-5.31	0.00	3.09	0.00	2.53	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
76	gLCB9	I[76]	-13.09	0.00	3.57	0.00	-6.11	0.00
76	gLCB10	I[76]	-12.98	0.00	3.11	0.00	-7.31	0.00
76	gLCB11	I[76]	-5.41	0.00	3.57	0.00	3.75	0.00
76	gLCB12	I[76]	-5.30	0.00	3.11	0.00	2.55	0.00
76	gLCB13	I[76]	-12.96	0.00	3.06	0.00	-7.50	0.00
76	gLCB14	I[76]	-12.85	0.00	2.59	0.00	-8.70	0.00
76	gLCB15	I[76]	-5.28	0.00	3.06	0.00	2.36	0.00
76	gLCB16	I[76]	-5.17	0.00	2.59	0.00	1.17	0.00
76	gLCB17(max)	I[76]	0.16	0.00	5.45	0.00	17.67	0.00
76	gLCB18(max)	I[76]	0.08	0.00	5.27	0.00	19.20	0.00
76	gLCB19(max)	I[76]	0.08	0.00	5.63	0.00	16.87	0.00
76	gLCB20(max)	I[76]	0.00	0.00	5.45	0.00	18.39	0.00
76	gLCB21(max)	I[76]	0.16	0.00	7.98	0.00	26.97	0.00
76	gLCB22(max)	I[76]	0.08	0.00	7.80	0.00	28.49	0.00
76	gLCB23(max)	I[76]	0.08	0.00	8.16	0.00	26.16	0.00
76	gLCB24(max)	I[76]	0.00	0.00	7.98	0.00	27.68	0.00
76	gLCB17(min)	I[76]	-0.75	0.00	-1.43	0.00	-3.49	0.00
76	gLCB18(min)	I[76]	-0.83	0.00	-1.61	0.00	-1.96	0.00
76	gLCB19(min)	I[76]	-0.83	0.00	-1.25	0.00	-4.30	0.00
76	gLCB20(min)	I[76]	-0.91	0.00	-1.43	0.00	-2.77	0.00
76	gLCB21(min)	I[76]	-1.20	0.00	-1.83	0.00	-5.17	0.00
76	gLCB22(min)	I[76]	-1.27	0.00	-2.01	0.00	-3.65	0.00
76	gLCB23(min)	I[76]	-1.27	0.00	-1.65	0.00	-5.98	0.00
76	gLCB24(min)	I[76]	-1.35	0.00	-1.83	0.00	-4.45	0.00
77	gLCB1	I[77]	-13.22	0.00	4.68	0.00	-9.12	0.00
77	gLCB2	I[77]	-13.12	0.00	4.15	0.00	-9.82	0.00
77	gLCB3	I[77]	-5.55	0.00	4.68	0.00	0.74	0.00
77	gLCB4	I[77]	-5.44	0.00	4.15	0.00	0.04	0.00
77	gLCB5	I[77]	-13.09	0.00	4.09	0.00	-9.96	0.00
77	gLCB6	I[77]	-12.99	0.00	3.56	0.00	-10.65	0.00
77	gLCB7	I[77]	-5.42	0.00	4.09	0.00	-0.09	0.00
77	gLCB8	I[77]	-5.31	0.00	3.56	0.00	-0.79	0.00
77	gLCB9	I[77]	-13.09	0.00	4.11	0.00	-9.95	0.00
77	gLCB10	I[77]	-12.98	0.00	3.58	0.00	-10.65	0.00
77	gLCB11	I[77]	-5.41	0.00	4.11	0.00	-0.09	0.00
77	gLCB12	I[77]	-5.30	0.00	3.58	0.00	-0.79	0.00
77	gLCB13	I[77]	-12.96	0.00	3.52	0.00	-10.79	0.00
77	gLCB14	I[77]	-12.85	0.00	2.99	0.00	-11.49	0.00
77	gLCB15	I[77]	-5.28	0.00	3.52	0.00	-0.93	0.00
77	gLCB16	I[77]	-5.17	0.00	2.99	0.00	-1.62	0.00
77	gLCB17(max)	I[77]	0.16	0.00	5.89	0.00	15.61	0.00
77	gLCB18(max)	I[77]	0.08	0.00	5.71	0.00	17.32	0.00
77	gLCB19(max)	I[77]	0.08	0.00	6.07	0.00	14.63	0.00
77	gLCB20(max)	I[77]	0.00	0.00	5.89	0.00	16.33	0.00
77	gLCB21(max)	I[77]	0.16	0.00	8.59	0.00	23.20	0.00
77	gLCB22(max)	I[77]	0.08	0.00	8.41	0.00	24.91	0.00
77	gLCB23(max)	I[77]	0.08	0.00	8.77	0.00	22.22	0.00
77	gLCB24(max)	I[77]	0.00	0.00	8.59	0.00	23.92	0.00
77	gLCB17(min)	I[77]	-0.75	0.00	-1.18	0.00	-4.95	0.00
77	gLCB18(min)	I[77]	-0.83	0.00	-1.36	0.00	-3.25	0.00
77	gLCB19(min)	I[77]	-0.83	0.00	-1.00	0.00	-5.94	0.00
77	gLCB20(min)	I[77]	-0.91	0.00	-1.18	0.00	-4.24	0.00
77	gLCB21(min)	I[77]	-1.20	0.00	-1.37	0.00	-7.88	0.00
77	gLCB22(min)	I[77]	-1.27	0.00	-1.55	0.00	-6.18	0.00
77	gLCB23(min)	I[77]	-1.27	0.00	-1.19	0.00	-8.87	0.00
77	gLCB24(min)	I[77]	-1.35	0.00	-1.37	0.00	-7.16	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
78	gLCB1	I[78]	-13.22	0.00	5.30	0.00	-14.11	0.00
78	gLCB2	I[78]	-13.12	0.00	4.69	0.00	-14.24	0.00
78	gLCB3	I[78]	-5.55	0.00	5.30	0.00	-4.25	0.00
78	gLCB4	I[78]	-5.44	0.00	4.69	0.00	-4.38	0.00
78	gLCB5	I[78]	-13.09	0.00	4.63	0.00	-14.31	0.00
78	gLCB6	I[78]	-12.99	0.00	4.02	0.00	-14.44	0.00
78	gLCB7	I[78]	-5.42	0.00	4.63	0.00	-4.45	0.00
78	gLCB8	I[78]	-5.31	0.00	4.02	0.00	-4.58	0.00
78	gLCB9	I[78]	-13.09	0.00	4.65	0.00	-14.34	0.00
78	gLCB10	I[78]	-12.98	0.00	4.05	0.00	-14.47	0.00
78	gLCB11	I[78]	-5.41	0.00	4.65	0.00	-4.48	0.00
78	gLCB12	I[78]	-5.30	0.00	4.05	0.00	-4.60	0.00
78	gLCB13	I[78]	-12.96	0.00	3.98	0.00	-14.54	0.00
78	gLCB14	I[78]	-12.85	0.00	3.38	0.00	-14.67	0.00
78	gLCB15	I[78]	-5.28	0.00	3.98	0.00	-4.68	0.00
78	gLCB16	I[78]	-5.17	0.00	3.38	0.00	-4.81	0.00
78	gLCB17(max)	I[78]	0.16	0.00	6.33	0.00	13.26	0.00
78	gLCB18(max)	I[78]	0.08	0.00	6.15	0.00	15.14	0.00
78	gLCB19(max)	I[78]	0.08	0.00	6.51	0.00	12.09	0.00
78	gLCB20(max)	I[78]	0.00	0.00	6.33	0.00	13.98	0.00
78	gLCB21(max)	I[78]	0.16	0.00	9.24	0.00	18.89	0.00
78	gLCB22(max)	I[78]	0.08	0.00	9.07	0.00	20.78	0.00
78	gLCB23(max)	I[78]	0.08	0.00	9.42	0.00	17.73	0.00
78	gLCB24(max)	I[78]	0.00	0.00	9.24	0.00	19.61	0.00
78	gLCB17(min)	I[78]	-0.75	0.00	-0.93	0.00	-6.72	0.00
78	gLCB18(min)	I[78]	-0.83	0.00	-1.11	0.00	-4.84	0.00
78	gLCB19(min)	I[78]	-0.83	0.00	-0.75	0.00	-7.89	0.00
78	gLCB20(min)	I[78]	-0.91	0.00	-0.93	0.00	-6.00	0.00
78	gLCB21(min)	I[78]	-1.20	0.00	-0.97	0.00	-11.15	0.00
78	gLCB22(min)	I[78]	-1.27	0.00	-1.15	0.00	-9.27	0.00
78	gLCB23(min)	I[78]	-1.27	0.00	-0.79	0.00	-12.32	0.00
78	gLCB24(min)	I[78]	-1.35	0.00	-0.97	0.00	-10.43	0.00
79	gLCB1	I[79]	-13.22	0.00	5.91	0.00	-19.72	0.00
79	gLCB2	I[79]	-13.12	0.00	5.24	0.00	-19.21	0.00
79	gLCB3	I[79]	-5.55	0.00	5.91	0.00	-9.85	0.00
79	gLCB4	I[79]	-5.44	0.00	5.24	0.00	-9.34	0.00
79	gLCB5	I[79]	-13.09	0.00	5.16	0.00	-19.21	0.00
79	gLCB6	I[79]	-12.99	0.00	4.48	0.00	-18.70	0.00
79	gLCB7	I[79]	-5.42	0.00	5.16	0.00	-9.34	0.00
79	gLCB8	I[79]	-5.31	0.00	4.48	0.00	-8.83	0.00
79	gLCB9	I[79]	-13.09	0.00	5.19	0.00	-19.26	0.00
79	gLCB10	I[79]	-12.98	0.00	4.52	0.00	-18.75	0.00
79	gLCB11	I[79]	-5.41	0.00	5.19	0.00	-9.40	0.00
79	gLCB12	I[79]	-5.30	0.00	4.52	0.00	-8.89	0.00
79	gLCB13	I[79]	-12.96	0.00	4.44	0.00	-18.75	0.00
79	gLCB14	I[79]	-12.85	0.00	3.77	0.00	-18.24	0.00
79	gLCB15	I[79]	-5.28	0.00	4.44	0.00	-8.89	0.00
79	gLCB16	I[79]	-5.17	0.00	3.77	0.00	-8.38	0.00
79	gLCB17(max)	I[79]	0.16	0.00	6.76	0.00	10.61	0.00
79	gLCB18(max)	I[79]	0.08	0.00	6.58	0.00	12.67	0.00
79	gLCB19(max)	I[79]	0.08	0.00	6.94	0.00	9.27	0.00
79	gLCB20(max)	I[79]	0.00	0.00	6.76	0.00	11.33	0.00
79	gLCB21(max)	I[79]	0.16	0.00	9.90	0.00	14.05	0.00
79	gLCB22(max)	I[79]	0.08	0.00	9.72	0.00	16.11	0.00
79	gLCB23(max)	I[79]	0.08	0.00	10.08	0.00	12.70	0.00
79	gLCB24(max)	I[79]	0.00	0.00	9.90	0.00	14.77	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
79	gLCB17(min)	I[79]	-0.75	0.00	-0.69	0.00	-8.79	0.00
79	gLCB18(min)	I[79]	-0.83	0.00	-0.87	0.00	-6.73	0.00
79	gLCB19(min)	I[79]	-0.83	0.00	-0.51	0.00	-10.14	0.00
79	gLCB20(min)	I[79]	-0.91	0.00	-0.69	0.00	-8.07	0.00
79	gLCB21(min)	I[79]	-1.20	0.00	-0.65	0.00	-14.98	0.00
79	gLCB22(min)	I[79]	-1.27	0.00	-0.83	0.00	-12.92	0.00
79	gLCB23(min)	I[79]	-1.27	0.00	-0.47	0.00	-16.33	0.00
79	gLCB24(min)	I[79]	-1.35	0.00	-0.65	0.00	-14.26	0.00
80	gLCB1	I[80]	-13.22	0.00	6.52	0.00	-25.93	0.00
80	gLCB2	I[80]	-13.12	0.00	5.78	0.00	-24.71	0.00
80	gLCB3	I[80]	-5.55	0.00	6.52	0.00	-16.07	0.00
80	gLCB4	I[80]	-5.44	0.00	5.78	0.00	-14.85	0.00
80	gLCB5	I[80]	-13.09	0.00	5.69	0.00	-24.63	0.00
80	gLCB6	I[80]	-12.99	0.00	4.95	0.00	-23.41	0.00
80	gLCB7	I[80]	-5.42	0.00	5.69	0.00	-14.77	0.00
80	gLCB8	I[80]	-5.31	0.00	4.95	0.00	-13.55	0.00
80	gLCB9	I[80]	-13.09	0.00	5.73	0.00	-24.73	0.00
80	gLCB10	I[80]	-12.98	0.00	4.99	0.00	-23.51	0.00
80	gLCB11	I[80]	-5.41	0.00	5.73	0.00	-14.86	0.00
80	gLCB12	I[80]	-5.30	0.00	4.99	0.00	-13.64	0.00
80	gLCB13	I[80]	-12.96	0.00	4.90	0.00	-23.43	0.00
80	gLCB14	I[80]	-12.85	0.00	4.16	0.00	-22.21	0.00
80	gLCB15	I[80]	-5.28	0.00	4.90	0.00	-13.56	0.00
80	gLCB16	I[80]	-5.17	0.00	4.16	0.00	-12.34	0.00
80	gLCB17(max)	I[80]	0.16	0.00	7.20	0.00	7.67	0.00
80	gLCB18(max)	I[80]	0.08	0.00	7.02	0.00	9.91	0.00
80	gLCB19(max)	I[80]	0.08	0.00	7.38	0.00	6.14	0.00
80	gLCB20(max)	I[80]	0.00	0.00	7.20	0.00	8.39	0.00
80	gLCB21(max)	I[80]	0.16	0.00	10.55	0.00	8.69	0.00
80	gLCB22(max)	I[80]	0.08	0.00	10.37	0.00	10.93	0.00
80	gLCB23(max)	I[80]	0.08	0.00	10.73	0.00	7.16	0.00
80	gLCB24(max)	I[80]	0.00	0.00	10.55	0.00	9.40	0.00
80	gLCB17(min)	I[80]	-0.75	0.00	-0.45	0.00	-11.16	0.00
80	gLCB18(min)	I[80]	-0.83	0.00	-0.62	0.00	-8.92	0.00
80	gLCB19(min)	I[80]	-0.83	0.00	-0.27	0.00	-12.69	0.00
80	gLCB20(min)	I[80]	-0.91	0.00	-0.45	0.00	-10.44	0.00
80	gLCB21(min)	I[80]	-1.20	0.00	-0.41	0.00	-19.37	0.00
80	gLCB22(min)	I[80]	-1.27	0.00	-0.59	0.00	-17.13	0.00
80	gLCB23(min)	I[80]	-1.27	0.00	-0.23	0.00	-20.90	0.00
80	gLCB24(min)	I[80]	-1.35	0.00	-0.41	0.00	-18.65	0.00
81	gLCB1	I[81]	-13.22	0.00	7.13	0.00	-32.76	0.00
81	gLCB2	I[81]	-13.12	0.00	6.31	0.00	-30.76	0.00
81	gLCB3	I[81]	-5.55	0.00	7.13	0.00	-22.90	0.00
81	gLCB4	I[81]	-5.44	0.00	6.31	0.00	-20.89	0.00
81	gLCB5	I[81]	-13.09	0.00	6.22	0.00	-30.59	0.00
81	gLCB6	I[81]	-12.99	0.00	5.40	0.00	-28.59	0.00
81	gLCB7	I[81]	-5.42	0.00	6.22	0.00	-20.73	0.00
81	gLCB8	I[81]	-5.31	0.00	5.40	0.00	-18.72	0.00
81	gLCB9	I[81]	-13.09	0.00	6.27	0.00	-30.73	0.00
81	gLCB10	I[81]	-12.98	0.00	5.45	0.00	-28.72	0.00
81	gLCB11	I[81]	-5.41	0.00	6.27	0.00	-20.87	0.00
81	gLCB12	I[81]	-5.30	0.00	5.45	0.00	-18.86	0.00
81	gLCB13	I[81]	-12.96	0.00	5.36	0.00	-28.56	0.00
81	gLCB14	I[81]	-12.85	0.00	4.54	0.00	-26.56	0.00
81	gLCB15	I[81]	-5.28	0.00	5.36	0.00	-18.70	0.00
81	gLCB16	I[81]	-5.17	0.00	4.54	0.00	-16.69	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
81	gLCB17(max)	I[81]	0.16	0.00	7.64	0.00	4.43	0.00	
81	gLCB18(max)	I[81]	0.08	0.00	7.46	0.00	6.85	0.00	
81	gLCB19(max)	I[81]	0.08	0.00	7.81	0.00	2.72	0.00	
81	gLCB20(max)	I[81]	0.00	0.00	7.64	0.00	5.15	0.00	
81	gLCB21(max)	I[81]	0.16	0.00	11.20	0.00	4.08	0.00	
81	gLCB22(max)	I[81]	0.08	0.00	11.02	0.00	6.50	0.00	
81	gLCB23(max)	I[81]	0.08	0.00	11.38	0.00	2.37	0.00	
81	gLCB24(max)	I[81]	0.00	0.00	11.20	0.00	4.80	0.00	
81	gLCB17(min)	I[81]	-0.75	0.00	-0.22	0.00	-13.84	0.00	
81	gLCB18(min)	I[81]	-0.83	0.00	-0.39	0.00	-11.42	0.00	
81	gLCB19(min)	I[81]	-0.83	0.00	-0.04	0.00	-15.54	0.00	
81	gLCB20(min)	I[81]	-0.91	0.00	-0.22	0.00	-13.12	0.00	
81	gLCB21(min)	I[81]	-1.20	0.00	-0.20	0.00	-24.32	0.00	
81	gLCB22(min)	I[81]	-1.27	0.00	-0.38	0.00	-21.90	0.00	
81	gLCB23(min)	I[81]	-1.27	0.00	-0.02	0.00	-26.03	0.00	
81	gLCB24(min)	I[81]	-1.35	0.00	-0.20	0.00	-23.61	0.00	
82	gLCB1	I[82]	-13.22	0.00	7.74	0.00	-40.19	0.00	Top Slab Min. Soil, Max EV3 Pu
82	gLCB2	I[82]	-13.12	0.00	6.85	0.00	-37.34	0.00	
82	gLCB3	I[82]	-5.55	0.00	7.74	0.00	-30.33	0.00	
82	gLCB4	I[82]	-5.44	0.00	6.85	0.00	-27.47	0.00	
82	gLCB5	I[82]	-13.09	0.00	6.75	0.00	-37.08	0.00	
82	gLCB6	I[82]	-12.99	0.00	5.86	0.00	-34.22	0.00	
82	gLCB7	I[82]	-5.42	0.00	6.75	0.00	-27.21	0.00	
82	gLCB8	I[82]	-5.31	0.00	5.86	0.00	-24.36	0.00	
82	gLCB9	I[82]	-13.09	0.00	6.81	0.00	-37.27	0.00	
82	gLCB10	I[82]	-12.98	0.00	5.92	0.00	-34.41	0.00	
82	gLCB11	I[82]	-5.41	0.00	6.80	0.00	-27.40	0.00	
82	gLCB12	I[82]	-5.30	0.00	5.92	0.00	-24.55	0.00	
82	gLCB13	I[82]	-12.96	0.00	5.82	0.00	-34.15	0.00	
82	gLCB14	I[82]	-12.85	0.00	4.93	0.00	-31.29	0.00	
82	gLCB15	I[82]	-5.28	0.00	5.82	0.00	-24.29	0.00	
82	gLCB16	I[82]	-5.17	0.00	4.93	0.00	-21.43	0.00	
82	gLCB17(max)	I[82]	0.16	0.00	8.07	0.00	0.96	0.00	Wall, Max. Soil, Max DL Pu
82	gLCB18(max)	I[82]	0.08	0.00	7.89	0.00	3.56	0.00	
82	gLCB19(max)	I[82]	0.08	0.00	8.25	0.00	-0.93	0.00	
82	gLCB20(max)	I[82]	0.00	0.00	8.07	0.00	1.68	0.00	
82	gLCB21(max)	I[82]	0.16	0.00	11.86	0.00	0.83	0.00	
82	gLCB22(max)	I[82]	0.08	0.00	11.68	0.00	3.43	0.00	
82	gLCB23(max)	I[82]	0.08	0.00	12.03	0.00	-1.05	0.00	
82	gLCB24(max)	I[82]	0.00	0.00	11.86	0.00	1.55	0.00	
82	gLCB17(min)	I[82]	-0.75	0.00	-0.06	0.00	-18.72	0.00	
82	gLCB18(min)	I[82]	-0.83	0.00	-0.24	0.00	-16.12	0.00	
82	gLCB19(min)	I[82]	-0.83	0.00	0.12	0.00	-20.61	0.00	
82	gLCB20(min)	I[82]	-0.91	0.00	-0.06	0.00	-18.00	0.00	
82	gLCB21(min)	I[82]	-1.20	0.00	-0.06	0.00	-29.84	0.00	
82	gLCB22(min)	I[82]	-1.27	0.00	-0.24	0.00	-27.23	0.00	
82	gLCB23(min)	I[82]	-1.27	0.00	0.12	0.00	-31.72	0.00	
82	gLCB24(min)	I[82]	-1.35	0.00	-0.06	0.00	-29.12	0.00	
101	gLCB1	I[101]	-37.81	0.00	22.40	0.00	0.00	0.00	
101	gLCB2	I[101]	-31.10	0.00	22.89	0.00	0.00	0.00	
101	gLCB3	I[101]	-37.81	0.00	6.93	0.00	0.00	0.00	
101	gLCB4	I[101]	-31.10	0.00	7.41	0.00	0.00	0.00	
101	gLCB5	I[101]	-36.13	0.00	22.53	0.00	0.00	0.00	
101	gLCB6	I[101]	-29.42	0.00	23.02	0.00	0.00	0.00	
101	gLCB7	I[101]	-36.13	0.00	7.06	0.00	0.00	0.00	
101	gLCB8	I[101]	-29.42	0.00	7.54	0.00	0.00	0.00	


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
101	gLCB9	I[101]	-33.69	0.00	22.54	0.00	0.00	0.00	
101	gLCB10	I[101]	-26.98	0.00	23.03	0.00	0.00	0.00	
101	gLCB11	I[101]	-33.69	0.00	7.07	0.00	0.00	0.00	
101	gLCB12	I[101]	-26.98	0.00	7.55	0.00	0.00	0.00	
101	gLCB13	I[101]	-32.01	0.00	22.67	0.00	0.00	0.00	
101	gLCB14	I[101]	-25.30	0.00	23.15	0.00	0.00	0.00	
101	gLCB15	I[101]	-32.01	0.00	7.19	0.00	0.00	0.00	
101	gLCB16	I[101]	-25.30	0.00	7.68	0.00	0.00	0.00	
101	gLCB17(max)	I[101]	-3.88	0.00	0.16	0.00	0.00	0.00	
101	gLCB18(max)	I[101]	-4.06	0.00	0.08	0.00	0.00	0.00	
101	gLCB19(max)	I[101]	0.18	0.00	0.08	0.00	0.00	0.00	
101	gLCB20(max)	I[101]	0.00	0.00	0.00	0.00	0.00	0.00	
101	gLCB21(max)	I[101]	-3.88	0.00	0.16	0.00	0.00	0.00	
101	gLCB22(max)	I[101]	-4.06	0.00	0.08	0.00	0.00	0.00	
101	gLCB23(max)	I[101]	0.18	0.00	0.08	0.00	0.00	0.00	
101	gLCB24(max)	I[101]	0.00	0.00	0.00	0.00	0.00	0.00	
101	gLCB17(min)	I[101]	-8.47	0.00	-0.38	0.00	0.00	0.00	
101	gLCB18(min)	I[101]	-8.65	0.00	-0.45	0.00	0.00	0.00	
101	gLCB19(min)	I[101]	-4.42	0.00	-0.45	0.00	0.00	0.00	
101	gLCB20(min)	I[101]	-4.60	0.00	-0.53	0.00	0.00	0.00	
101	gLCB21(min)	I[101]	-10.63	0.00	-0.62	0.00	0.00	0.00	
101	gLCB22(min)	I[101]	-10.81	0.00	-0.70	0.00	0.00	0.00	
101	gLCB23(min)	I[101]	-6.58	0.00	-0.70	0.00	0.00	0.00	
101	gLCB24(min)	I[101]	-6.76	0.00	-0.78	0.00	0.00	0.00	
102	gLCB1	I[104]	-37.44	0.00	19.83	0.00	21.11	0.00	
102	gLCB2	I[104]	-30.72	0.00	20.31	0.00	21.59	0.00	
102	gLCB3	I[104]	-37.44	0.00	5.97	0.00	6.45	0.00	
102	gLCB4	I[104]	-30.72	0.00	6.46	0.00	6.93	0.00	
102	gLCB5	I[104]	-35.75	0.00	19.95	0.00	21.24	0.00	
102	gLCB6	I[104]	-29.04	0.00	20.44	0.00	21.72	0.00	
102	gLCB7	I[104]	-35.75	0.00	6.10	0.00	6.58	0.00	
102	gLCB8	I[104]	-29.04	0.00	6.59	0.00	7.06	0.00	
102	gLCB9	I[104]	-33.42	0.00	19.96	0.00	21.25	0.00	
102	gLCB10	I[104]	-26.71	0.00	20.45	0.00	21.73	0.00	
102	gLCB11	I[104]	-33.42	0.00	6.11	0.00	6.59	0.00	
102	gLCB12	I[104]	-26.71	0.00	6.60	0.00	7.07	0.00	
102	gLCB13	I[104]	-31.74	0.00	20.09	0.00	21.37	0.00	
102	gLCB14	I[104]	-25.03	0.00	20.58	0.00	21.86	0.00	
102	gLCB15	I[104]	-31.74	0.00	6.24	0.00	6.71	0.00	
102	gLCB16	I[104]	-25.03	0.00	6.72	0.00	7.20	0.00	
102	gLCB17(max)	I[104]	-3.88	0.00	0.16	0.00	0.16	0.00	
102	gLCB18(max)	I[104]	0.18	0.00	0.08	0.00	0.08	0.00	
102	gLCB19(max)	I[104]	-4.06	0.00	0.08	0.00	0.08	0.00	
102	gLCB20(max)	I[104]	0.00	0.00	0.00	0.00	0.00	0.00	
102	gLCB21(max)	I[104]	-3.88	0.00	0.16	0.00	0.16	0.00	
102	gLCB22(max)	I[104]	0.18	0.00	0.08	0.00	0.08	0.00	
102	gLCB23(max)	I[104]	-4.06	0.00	0.08	0.00	0.08	0.00	
102	gLCB24(max)	I[104]	0.00	0.00	0.00	0.00	0.00	0.00	
102	gLCB17(min)	I[104]	-8.47	0.00	-0.38	0.00	-0.38	0.00	
102	gLCB18(min)	I[104]	-4.42	0.00	-0.45	0.00	-0.45	0.00	
102	gLCB19(min)	I[104]	-8.65	0.00	-0.45	0.00	-0.45	0.00	
102	gLCB20(min)	I[104]	-4.60	0.00	-0.53	0.00	-0.53	0.00	
102	gLCB21(min)	I[104]	-10.63	0.00	-0.62	0.00	-0.62	0.00	
102	gLCB22(min)	I[104]	-6.58	0.00	-0.70	0.00	-0.70	0.00	
102	gLCB23(min)	I[104]	-10.81	0.00	-0.70	0.00	-0.70	0.00	
102	gLCB24(min)	I[104]	-6.76	0.00	-0.78	0.00	-0.78	0.00	


Wall
Max. Soil,
Max EV3
Pu

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
103	gLCB1	I[103]	-37.44	0.00	19.83	0.00	-21.11	0.00
103	gLCB2	I[103]	-30.72	0.00	20.31	0.00	-21.59	0.00
103	gLCB3	I[103]	-37.44	0.00	5.97	0.00	-6.45	0.00
103	gLCB4	I[103]	-30.72	0.00	6.46	0.00	-6.93	0.00
103	gLCB5	I[103]	-35.75	0.00	19.95	0.00	-21.24	0.00
103	gLCB6	I[103]	-29.04	0.00	20.44	0.00	-21.72	0.00
103	gLCB7	I[103]	-35.75	0.00	6.10	0.00	-6.58	0.00
103	gLCB8	I[103]	-29.04	0.00	6.59	0.00	-7.06	0.00
103	gLCB9	I[103]	-33.42	0.00	19.96	0.00	-21.25	0.00
103	gLCB10	I[103]	-26.71	0.00	20.45	0.00	-21.73	0.00
103	gLCB11	I[103]	-33.42	0.00	6.11	0.00	-6.59	0.00
103	gLCB12	I[103]	-26.71	0.00	6.60	0.00	-7.07	0.00
103	gLCB13	I[103]	-31.74	0.00	20.09	0.00	-21.37	0.00
103	gLCB14	I[103]	-25.03	0.00	20.58	0.00	-21.86	0.00
103	gLCB15	I[103]	-31.74	0.00	6.24	0.00	-6.71	0.00
103	gLCB16	I[103]	-25.03	0.00	6.72	0.00	-7.20	0.00
103	gLCB17(max)	I[103]	-3.88	0.00	0.16	0.00	0.38	0.00
103	gLCB18(max)	I[103]	-4.06	0.00	0.08	0.00	0.45	0.00
103	gLCB19(max)	I[103]	0.18	0.00	0.08	0.00	0.45	0.00
103	gLCB20(max)	I[103]	0.00	0.00	0.00	0.00	0.53	0.00
103	gLCB21(max)	I[103]	-3.88	0.00	0.16	0.00	0.62	0.00
103	gLCB22(max)	I[103]	-4.06	0.00	0.08	0.00	0.70	0.00
103	gLCB23(max)	I[103]	0.18	0.00	0.08	0.00	0.70	0.00
103	gLCB24(max)	I[103]	0.00	0.00	0.00	0.00	0.78	0.00
103	gLCB17(min)	I[103]	-8.47	0.00	-0.38	0.00	-0.16	0.00
103	gLCB18(min)	I[103]	-8.65	0.00	-0.45	0.00	-0.08	0.00
103	gLCB19(min)	I[103]	-4.42	0.00	-0.45	0.00	-0.08	0.00
103	gLCB20(min)	I[103]	-4.60	0.00	-0.53	0.00	0.00	0.00
103	gLCB21(min)	I[103]	-10.63	0.00	-0.62	0.00	-0.16	0.00
103	gLCB22(min)	I[103]	-10.81	0.00	-0.70	0.00	-0.08	0.00
103	gLCB23(min)	I[103]	-6.58	0.00	-0.70	0.00	-0.08	0.00
103	gLCB24(min)	I[103]	-6.76	0.00	-0.78	0.00	0.00	0.00
104	gLCB1	I[106]	-37.06	0.00	17.33	0.00	39.68	0.00
104	gLCB2	I[106]	-30.35	0.00	17.81	0.00	40.65	0.00
104	gLCB3	I[106]	-37.06	0.00	5.05	0.00	11.96	0.00
104	gLCB4	I[106]	-30.35	0.00	5.53	0.00	12.93	0.00
104	gLCB5	I[106]	-35.38	0.00	17.45	0.00	39.93	0.00
104	gLCB6	I[106]	-28.67	0.00	17.94	0.00	40.90	0.00
104	gLCB7	I[106]	-35.38	0.00	5.18	0.00	12.21	0.00
104	gLCB8	I[106]	-28.67	0.00	5.66	0.00	13.18	0.00
104	gLCB9	I[106]	-33.15	0.00	17.46	0.00	39.95	0.00
104	gLCB10	I[106]	-26.44	0.00	17.95	0.00	40.92	0.00
104	gLCB11	I[106]	-33.15	0.00	5.19	0.00	12.23	0.00
104	gLCB12	I[106]	-26.44	0.00	5.67	0.00	13.20	0.00
104	gLCB13	I[106]	-31.47	0.00	17.59	0.00	40.21	0.00
104	gLCB14	I[106]	-24.76	0.00	18.08	0.00	41.18	0.00
104	gLCB15	I[106]	-31.47	0.00	5.31	0.00	12.49	0.00
104	gLCB16	I[106]	-24.76	0.00	5.80	0.00	13.46	0.00
104	gLCB17(max)	I[106]	-3.88	0.00	0.16	0.00	0.31	0.00
104	gLCB18(max)	I[106]	0.18	0.00	0.08	0.00	0.16	0.00
104	gLCB19(max)	I[106]	-4.06	0.00	0.08	0.00	0.16	0.00
104	gLCB20(max)	I[106]	0.00	0.00	0.00	0.00	0.00	0.00
104	gLCB21(max)	I[106]	-3.88	0.00	0.16	0.00	0.31	0.00
104	gLCB22(max)	I[106]	0.18	0.00	0.08	0.00	0.16	0.00
104	gLCB23(max)	I[106]	-4.06	0.00	0.08	0.00	0.16	0.00
104	gLCB24(max)	I[106]	0.00	0.00	0.00	0.00	0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
104	gLCB17(min)	I[106]	-8.47	0.00	-0.38	0.00	-0.75	0.00
104	gLCB18(min)	I[106]	-4.42	0.00	-0.45	0.00	-0.91	0.00
104	gLCB19(min)	I[106]	-8.65	0.00	-0.45	0.00	-0.91	0.00
104	gLCB20(min)	I[106]	-4.60	0.00	-0.53	0.00	-1.06	0.00
104	gLCB21(min)	I[106]	-10.63	0.00	-0.62	0.00	-1.25	0.00
104	gLCB22(min)	I[106]	-6.58	0.00	-0.70	0.00	-1.40	0.00
104	gLCB23(min)	I[106]	-10.81	0.00	-0.70	0.00	-1.40	0.00
104	gLCB24(min)	I[106]	-6.76	0.00	-0.78	0.00	-1.56	0.00
105	gLCB1	I[105]	-37.06	0.00	17.33	0.00	-39.68	0.00
105	gLCB2	I[105]	-30.35	0.00	17.81	0.00	-40.65	0.00
105	gLCB3	I[105]	-37.06	0.00	5.05	0.00	-11.96	0.00
105	gLCB4	I[105]	-30.35	0.00	5.53	0.00	-12.93	0.00
105	gLCB5	I[105]	-35.38	0.00	17.45	0.00	-39.93	0.00
105	gLCB6	I[105]	-28.67	0.00	17.94	0.00	-40.90	0.00
105	gLCB7	I[105]	-35.38	0.00	5.18	0.00	-12.21	0.00
105	gLCB8	I[105]	-28.67	0.00	5.66	0.00	-13.18	0.00
105	gLCB9	I[105]	-33.15	0.00	17.46	0.00	-39.95	0.00
105	gLCB10	I[105]	-26.44	0.00	17.95	0.00	-40.92	0.00
105	gLCB11	I[105]	-33.15	0.00	5.19	0.00	-12.23	0.00
105	gLCB12	I[105]	-26.44	0.00	5.67	0.00	-13.20	0.00
105	gLCB13	I[105]	-31.47	0.00	17.59	0.00	-40.21	0.00
105	gLCB14	I[105]	-24.76	0.00	18.08	0.00	-41.18	0.00
105	gLCB15	I[105]	-31.47	0.00	5.31	0.00	-12.49	0.00
105	gLCB16	I[105]	-24.76	0.00	5.80	0.00	-13.46	0.00
105	gLCB17(max)	I[105]	-3.88	0.00	0.16	0.00	0.75	0.00
105	gLCB18(max)	I[105]	-4.06	0.00	0.08	0.00	0.91	0.00
105	gLCB19(max)	I[105]	0.18	0.00	0.08	0.00	0.91	0.00
105	gLCB20(max)	I[105]	0.00	0.00	0.00	0.00	1.06	0.00
105	gLCB21(max)	I[105]	-3.88	0.00	0.16	0.00	1.25	0.00
105	gLCB22(max)	I[105]	-4.06	0.00	0.08	0.00	1.40	0.00
105	gLCB23(max)	I[105]	0.18	0.00	0.08	0.00	1.40	0.00
105	gLCB24(max)	I[105]	0.00	0.00	0.00	0.00	1.56	0.00
105	gLCB17(min)	I[105]	-8.47	0.00	-0.38	0.00	-0.31	0.00
105	gLCB18(min)	I[105]	-8.65	0.00	-0.45	0.00	-0.16	0.00
105	gLCB19(min)	I[105]	-4.42	0.00	-0.45	0.00	-0.16	0.00
105	gLCB20(min)	I[105]	-4.60	0.00	-0.53	0.00	0.00	0.00
105	gLCB21(min)	I[105]	-10.63	0.00	-0.62	0.00	-0.31	0.00
105	gLCB22(min)	I[105]	-10.81	0.00	-0.70	0.00	-0.16	0.00
105	gLCB23(min)	I[105]	-6.58	0.00	-0.70	0.00	-0.16	0.00
105	gLCB24(min)	I[105]	-6.76	0.00	-0.78	0.00	0.00	0.00
106	gLCB1	I[108]	-36.69	0.00	14.90	0.00	55.78	0.00
106	gLCB2	I[108]	-29.97	0.00	15.39	0.00	57.24	0.00
106	gLCB3	I[108]	-36.69	0.00	4.15	0.00	16.56	0.00
106	gLCB4	I[108]	-29.97	0.00	4.64	0.00	18.01	0.00
106	gLCB5	I[108]	-35.00	0.00	15.03	0.00	56.17	0.00
106	gLCB6	I[108]	-28.29	0.00	15.52	0.00	57.62	0.00
106	gLCB7	I[108]	-35.00	0.00	4.28	0.00	16.94	0.00
106	gLCB8	I[108]	-28.29	0.00	4.76	0.00	18.39	0.00
106	gLCB9	I[108]	-32.88	0.00	15.04	0.00	56.20	0.00
106	gLCB10	I[108]	-26.17	0.00	15.53	0.00	57.65	0.00
106	gLCB11	I[108]	-32.88	0.00	4.29	0.00	16.97	0.00
106	gLCB12	I[108]	-26.17	0.00	4.77	0.00	18.43	0.00
106	gLCB13	I[108]	-31.20	0.00	15.17	0.00	56.58	0.00
106	gLCB14	I[108]	-24.49	0.00	15.65	0.00	58.04	0.00
106	gLCB15	I[108]	-31.20	0.00	4.42	0.00	17.35	0.00
106	gLCB16	I[108]	-24.49	0.00	4.90	0.00	18.81	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
106	gLCB17(max)	I[108]	-3.88	0.00	0.16	0.00	0.47	0.00
106	gLCB18(max)	I[108]	0.18	0.00	0.08	0.00	0.23	0.00
106	gLCB19(max)	I[108]	-4.06	0.00	0.08	0.00	0.23	0.00
106	gLCB20(max)	I[108]	0.00	0.00	0.00	0.00	0.00	0.00
106	gLCB21(max)	I[108]	-3.88	0.00	0.16	0.00	0.47	0.00
106	gLCB22(max)	I[108]	0.18	0.00	0.08	0.00	0.23	0.00
106	gLCB23(max)	I[108]	-4.06	0.00	0.08	0.00	0.23	0.00
106	gLCB24(max)	I[108]	0.00	0.00	0.00	0.00	0.00	0.00
106	gLCB17(min)	I[108]	-8.47	0.00	-0.38	0.00	-1.13	0.00
106	gLCB18(min)	I[108]	-4.42	0.00	-0.45	0.00	-1.36	0.00
106	gLCB19(min)	I[108]	-8.65	0.00	-0.45	0.00	-1.36	0.00
106	gLCB20(min)	I[108]	-4.60	0.00	-0.53	0.00	-1.60	0.00
106	gLCB21(min)	I[108]	-10.63	0.00	-0.62	0.00	-1.87	0.00
106	gLCB22(min)	I[108]	-6.58	0.00	-0.70	0.00	-2.10	0.00
106	gLCB23(min)	I[108]	-10.81	0.00	-0.70	0.00	-2.10	0.00
106	gLCB24(min)	I[108]	-6.76	0.00	-0.78	0.00	-2.34	0.00
107	gLCB1	I[107]	-36.69	0.00	14.90	0.00	-55.78	0.00
107	gLCB2	I[107]	-29.97	0.00	15.39	0.00	-57.24	0.00
107	gLCB3	I[107]	-36.69	0.00	4.15	0.00	-16.56	0.00
107	gLCB4	I[107]	-29.97	0.00	4.64	0.00	-18.01	0.00
107	gLCB5	I[107]	-35.00	0.00	15.03	0.00	-56.17	0.00
107	gLCB6	I[107]	-28.29	0.00	15.52	0.00	-57.62	0.00
107	gLCB7	I[107]	-35.00	0.00	4.28	0.00	-16.94	0.00
107	gLCB8	I[107]	-28.29	0.00	4.76	0.00	-18.39	0.00
107	gLCB9	I[107]	-32.88	0.00	15.04	0.00	-56.20	0.00
107	gLCB10	I[107]	-26.17	0.00	15.53	0.00	-57.65	0.00
107	gLCB11	I[107]	-32.88	0.00	4.29	0.00	-16.97	0.00
107	gLCB12	I[107]	-26.17	0.00	4.77	0.00	-18.43	0.00
107	gLCB13	I[107]	-31.20	0.00	15.17	0.00	-56.58	0.00
107	gLCB14	I[107]	-24.49	0.00	15.65	0.00	-58.04	0.00
107	gLCB15	I[107]	-31.20	0.00	4.42	0.00	-17.35	0.00
107	gLCB16	I[107]	-24.49	0.00	4.90	0.00	-18.81	0.00
107	gLCB17(max)	I[107]	-3.88	0.00	0.16	0.00	1.13	0.00
107	gLCB18(max)	I[107]	-4.06	0.00	0.08	0.00	1.36	0.00
107	gLCB19(max)	I[107]	0.18	0.00	0.08	0.00	1.36	0.00
107	gLCB20(max)	I[107]	0.00	0.00	0.00	0.00	1.60	0.00
107	gLCB21(max)	I[107]	-3.88	0.00	0.16	0.00	1.87	0.00
107	gLCB22(max)	I[107]	-4.06	0.00	0.08	0.00	2.10	0.00
107	gLCB23(max)	I[107]	0.18	0.00	0.08	0.00	2.10	0.00
107	gLCB24(max)	I[107]	0.00	0.00	0.00	0.00	2.34	0.00
107	gLCB17(min)	I[107]	-8.47	0.00	-0.38	0.00	-0.47	0.00
107	gLCB18(min)	I[107]	-8.65	0.00	-0.45	0.00	-0.23	0.00
107	gLCB19(min)	I[107]	-4.42	0.00	-0.45	0.00	-0.23	0.00
107	gLCB20(min)	I[107]	-4.60	0.00	-0.53	0.00	0.00	0.00
107	gLCB21(min)	I[107]	-10.63	0.00	-0.62	0.00	-0.47	0.00
107	gLCB22(min)	I[107]	-10.81	0.00	-0.70	0.00	-0.23	0.00
107	gLCB23(min)	I[107]	-6.58	0.00	-0.70	0.00	-0.23	0.00
107	gLCB24(min)	I[107]	-6.76	0.00	-0.78	0.00	0.00	0.00
108	gLCB1	I[110]	-36.31	0.00	12.56	0.00	69.51	0.00
108	gLCB2	I[110]	-29.60	0.00	13.05	0.00	71.45	0.00
108	gLCB3	I[110]	-36.31	0.00	3.28	0.00	20.27	0.00
108	gLCB4	I[110]	-29.60	0.00	3.77	0.00	22.21	0.00
108	gLCB5	I[110]	-34.63	0.00	12.69	0.00	70.02	0.00
108	gLCB6	I[110]	-27.92	0.00	13.18	0.00	71.96	0.00
108	gLCB7	I[110]	-34.63	0.00	3.41	0.00	20.78	0.00
108	gLCB8	I[110]	-27.92	0.00	3.90	0.00	22.72	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
108	gLCB9	I[110]	-32.61	0.00	12.70	0.00	70.06	0.00
108	gLCB10	I[110]	-25.90	0.00	13.19	0.00	72.00	0.00
108	gLCB11	I[110]	-32.61	0.00	3.42	0.00	20.82	0.00
108	gLCB12	I[110]	-25.90	0.00	3.91	0.00	22.76	0.00
108	gLCB13	I[110]	-30.93	0.00	12.83	0.00	70.57	0.00
108	gLCB14	I[110]	-24.22	0.00	13.31	0.00	72.51	0.00
108	gLCB15	I[110]	-30.93	0.00	3.55	0.00	21.33	0.00
108	gLCB16	I[110]	-24.22	0.00	4.04	0.00	23.27	0.00
108	gLCB17(max)	I[110]	-3.88	0.00	0.16	0.00	0.62	0.00
108	gLCB18(max)	I[110]	0.18	0.00	0.08	0.00	0.31	0.00
108	gLCB19(max)	I[110]	-4.06	0.00	0.08	0.00	0.31	0.00
108	gLCB20(max)	I[110]	0.00	0.00	0.00	0.00	0.00	0.00
108	gLCB21(max)	I[110]	-3.88	0.00	0.16	0.00	0.62	0.00
108	gLCB22(max)	I[110]	0.18	0.00	0.08	0.00	0.31	0.00
108	gLCB23(max)	I[110]	-4.06	0.00	0.08	0.00	0.31	0.00
108	gLCB24(max)	I[110]	0.00	0.00	0.00	0.00	0.00	0.00
108	gLCB17(min)	I[110]	-8.47	0.00	-0.38	0.00	-1.51	0.00
108	gLCB18(min)	I[110]	-4.42	0.00	-0.45	0.00	-1.82	0.00
108	gLCB19(min)	I[110]	-8.65	0.00	-0.45	0.00	-1.82	0.00
108	gLCB20(min)	I[110]	-4.60	0.00	-0.53	0.00	-2.13	0.00
108	gLCB21(min)	I[110]	-10.63	0.00	-0.62	0.00	-2.49	0.00
108	gLCB22(min)	I[110]	-6.58	0.00	-0.70	0.00	-2.80	0.00
108	gLCB23(min)	I[110]	-10.81	0.00	-0.70	0.00	-2.80	0.00
108	gLCB24(min)	I[110]	-6.76	0.00	-0.78	0.00	-3.12	0.00
109	gLCB1	I[109]	-36.31	0.00	12.56	0.00	-69.51	0.00
109	gLCB2	I[109]	-29.60	0.00	13.05	0.00	-71.45	0.00
109	gLCB3	I[109]	-36.31	0.00	3.28	0.00	-20.27	0.00
109	gLCB4	I[109]	-29.60	0.00	3.77	0.00	-22.21	0.00
109	gLCB5	I[109]	-34.63	0.00	12.69	0.00	-70.02	0.00
109	gLCB6	I[109]	-27.92	0.00	13.18	0.00	-71.96	0.00
109	gLCB7	I[109]	-34.63	0.00	3.41	0.00	-20.78	0.00
109	gLCB8	I[109]	-27.92	0.00	3.90	0.00	-22.72	0.00
109	gLCB9	I[109]	-32.61	0.00	12.70	0.00	-70.06	0.00
109	gLCB10	I[109]	-25.90	0.00	13.19	0.00	-72.00	0.00
109	gLCB11	I[109]	-32.61	0.00	3.42	0.00	-20.82	0.00
109	gLCB12	I[109]	-25.90	0.00	3.91	0.00	-22.76	0.00
109	gLCB13	I[109]	-30.93	0.00	12.83	0.00	-70.57	0.00
109	gLCB14	I[109]	-24.22	0.00	13.31	0.00	-72.51	0.00
109	gLCB15	I[109]	-30.93	0.00	3.55	0.00	-21.33	0.00
109	gLCB16	I[109]	-24.22	0.00	4.04	0.00	-23.27	0.00
109	gLCB17(max)	I[109]	-3.88	0.00	0.16	0.00	1.51	0.00
109	gLCB18(max)	I[109]	-4.06	0.00	0.08	0.00	1.82	0.00
109	gLCB19(max)	I[109]	0.18	0.00	0.08	0.00	1.82	0.00
109	gLCB20(max)	I[109]	0.00	0.00	0.00	0.00	2.13	0.00
109	gLCB21(max)	I[109]	-3.88	0.00	0.16	0.00	2.49	0.00
109	gLCB22(max)	I[109]	-4.06	0.00	0.08	0.00	2.80	0.00
109	gLCB23(max)	I[109]	0.18	0.00	0.08	0.00	2.80	0.00
109	gLCB24(max)	I[109]	0.00	0.00	0.00	0.00	3.12	0.00
109	gLCB17(min)	I[109]	-8.47	0.00	-0.38	0.00	-0.62	0.00
109	gLCB18(min)	I[109]	-8.65	0.00	-0.45	0.00	-0.31	0.00
109	gLCB19(min)	I[109]	-4.42	0.00	-0.45	0.00	-0.31	0.00
109	gLCB20(min)	I[109]	-4.60	0.00	-0.53	0.00	0.00	0.00
109	gLCB21(min)	I[109]	-10.63	0.00	-0.62	0.00	-0.62	0.00
109	gLCB22(min)	I[109]	-10.81	0.00	-0.70	0.00	-0.31	0.00
109	gLCB23(min)	I[109]	-6.58	0.00	-0.70	0.00	-0.31	0.00
109	gLCB24(min)	I[109]	-6.76	0.00	-0.78	0.00	0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
110	gLCB1	I[112]	-35.94	0.00	10.30	0.00	80.94	0.00
110	gLCB2	I[112]	-29.22	0.00	10.79	0.00	83.36	0.00
110	gLCB3	I[112]	-35.94	0.00	2.45	0.00	23.13	0.00
110	gLCB4	I[112]	-29.22	0.00	2.93	0.00	25.56	0.00
110	gLCB5	I[112]	-34.25	0.00	10.43	0.00	81.57	0.00
110	gLCB6	I[112]	-27.54	0.00	10.91	0.00	84.00	0.00
110	gLCB7	I[112]	-34.25	0.00	2.57	0.00	23.77	0.00
110	gLCB8	I[112]	-27.54	0.00	3.06	0.00	26.20	0.00
110	gLCB9	I[112]	-32.34	0.00	10.44	0.00	81.63	0.00
110	gLCB10	I[112]	-25.63	0.00	10.92	0.00	84.05	0.00
110	gLCB11	I[112]	-32.34	0.00	2.58	0.00	23.82	0.00
110	gLCB12	I[112]	-25.63	0.00	3.07	0.00	26.25	0.00
110	gLCB13	I[112]	-30.66	0.00	10.57	0.00	82.26	0.00
110	gLCB14	I[112]	-23.95	0.00	11.05	0.00	84.69	0.00
110	gLCB15	I[112]	-30.66	0.00	2.71	0.00	24.46	0.00
110	gLCB16	I[112]	-23.95	0.00	3.20	0.00	26.89	0.00
110	gLCB17(max)	I[112]	-3.88	0.00	0.16	0.00	0.78	0.00
110	gLCB18(max)	I[112]	0.18	0.00	0.08	0.00	0.39	0.00
110	gLCB19(max)	I[112]	-4.06	0.00	0.08	0.00	0.39	0.00
110	gLCB20(max)	I[112]	0.00	0.00	0.00	0.00	0.00	0.00
110	gLCB21(max)	I[112]	-3.88	0.00	0.16	0.00	0.78	0.00
110	gLCB22(max)	I[112]	0.18	0.00	0.08	0.00	0.39	0.00
110	gLCB23(max)	I[112]	-4.06	0.00	0.08	0.00	0.39	0.00
110	gLCB24(max)	I[112]	0.00	0.00	0.00	0.00	0.00	0.00
110	gLCB17(min)	I[112]	-8.47	0.00	-0.38	0.00	-1.88	0.00
110	gLCB18(min)	I[112]	-4.42	0.00	-0.45	0.00	-2.27	0.00
110	gLCB19(min)	I[112]	-8.65	0.00	-0.45	0.00	-2.27	0.00
110	gLCB20(min)	I[112]	-4.60	0.00	-0.53	0.00	-2.66	0.00
110	gLCB21(min)	I[112]	-10.63	0.00	-0.62	0.00	-3.12	0.00
110	gLCB22(min)	I[112]	-6.58	0.00	-0.70	0.00	-3.51	0.00
110	gLCB23(min)	I[112]	-10.81	0.00	-0.70	0.00	-3.51	0.00
110	gLCB24(min)	I[112]	-6.76	0.00	-0.78	0.00	-3.90	0.00
111	gLCB1	I[111]	-35.94	0.00	10.30	0.00	-80.94	0.00
111	gLCB2	I[111]	-29.22	0.00	10.79	0.00	-83.36	0.00
111	gLCB3	I[111]	-35.94	0.00	2.45	0.00	-23.13	0.00
111	gLCB4	I[111]	-29.22	0.00	2.93	0.00	-25.56	0.00
111	gLCB5	I[111]	-34.25	0.00	10.43	0.00	-81.57	0.00
111	gLCB6	I[111]	-27.54	0.00	10.91	0.00	-84.00	0.00
111	gLCB7	I[111]	-34.25	0.00	2.57	0.00	-23.77	0.00
111	gLCB8	I[111]	-27.54	0.00	3.06	0.00	-26.20	0.00
111	gLCB9	I[111]	-32.34	0.00	10.44	0.00	-81.63	0.00
111	gLCB10	I[111]	-25.63	0.00	10.92	0.00	-84.05	0.00
111	gLCB11	I[111]	-32.34	0.00	2.58	0.00	-23.82	0.00
111	gLCB12	I[111]	-25.63	0.00	3.07	0.00	-26.25	0.00
111	gLCB13	I[111]	-30.66	0.00	10.57	0.00	-82.26	0.00
111	gLCB14	I[111]	-23.95	0.00	11.05	0.00	-84.69	0.00
111	gLCB15	I[111]	-30.66	0.00	2.71	0.00	-24.46	0.00
111	gLCB16	I[111]	-23.95	0.00	3.20	0.00	-26.89	0.00
111	gLCB17(max)	I[111]	-3.88	0.00	0.16	0.00	1.88	0.00
111	gLCB18(max)	I[111]	-4.06	0.00	0.08	0.00	2.27	0.00
111	gLCB19(max)	I[111]	0.18	0.00	0.08	0.00	2.27	0.00
111	gLCB20(max)	I[111]	0.00	0.00	0.00	0.00	2.66	0.00
111	gLCB21(max)	I[111]	-3.88	0.00	0.16	0.00	3.12	0.00
111	gLCB22(max)	I[111]	-4.06	0.00	0.08	0.00	3.51	0.00
111	gLCB23(max)	I[111]	0.18	0.00	0.08	0.00	3.51	0.00
111	gLCB24(max)	I[111]	0.00	0.00	0.00	0.00	3.90	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
111	gLCB17(min)	I[111]	-8.47	0.00	-0.38	0.00	-0.78	0.00
111	gLCB18(min)	I[111]	-8.65	0.00	-0.45	0.00	-0.39	0.00
111	gLCB19(min)	I[111]	-4.42	0.00	-0.45	0.00	-0.39	0.00
111	gLCB20(min)	I[111]	-4.60	0.00	-0.53	0.00	0.00	0.00
111	gLCB21(min)	I[111]	-10.63	0.00	-0.62	0.00	-0.78	0.00
111	gLCB22(min)	I[111]	-10.81	0.00	-0.70	0.00	-0.39	0.00
111	gLCB23(min)	I[111]	-6.58	0.00	-0.70	0.00	-0.39	0.00
111	gLCB24(min)	I[111]	-6.76	0.00	-0.78	0.00	0.00	0.00
112	gLCB1	I[114]	-35.56	0.00	8.12	0.00	90.14	0.00
112	gLCB2	I[114]	-28.85	0.00	8.60	0.00	93.05	0.00
112	gLCB3	I[114]	-35.56	0.00	1.64	0.00	25.18	0.00
112	gLCB4	I[114]	-28.85	0.00	2.12	0.00	28.09	0.00
112	gLCB5	I[114]	-33.88	0.00	8.25	0.00	90.90	0.00
112	gLCB6	I[114]	-27.17	0.00	8.73	0.00	93.82	0.00
112	gLCB7	I[114]	-33.88	0.00	1.77	0.00	25.94	0.00
112	gLCB8	I[114]	-27.17	0.00	2.25	0.00	28.85	0.00
112	gLCB9	I[114]	-32.07	0.00	8.26	0.00	90.97	0.00
112	gLCB10	I[114]	-25.36	0.00	8.74	0.00	93.88	0.00
112	gLCB11	I[114]	-32.07	0.00	1.78	0.00	26.00	0.00
112	gLCB12	I[114]	-25.36	0.00	2.26	0.00	28.91	0.00
112	gLCB13	I[114]	-30.39	0.00	8.38	0.00	91.73	0.00
112	gLCB14	I[114]	-23.68	0.00	8.87	0.00	94.64	0.00
112	gLCB15	I[114]	-30.39	0.00	1.90	0.00	26.77	0.00
112	gLCB16	I[114]	-23.68	0.00	2.39	0.00	29.68	0.00
112	gLCB17(max)	I[114]	-3.88	0.00	0.16	0.00	0.93	0.00
112	gLCB18(max)	I[114]	0.18	0.00	0.08	0.00	0.47	0.00
112	gLCB19(max)	I[114]	-4.06	0.00	0.08	0.00	0.47	0.00
112	gLCB20(max)	I[114]	0.00	0.00	0.00	0.00	0.00	0.00
112	gLCB21(max)	I[114]	-3.88	0.00	0.16	0.00	0.93	0.00
112	gLCB22(max)	I[114]	0.18	0.00	0.08	0.00	0.47	0.00
112	gLCB23(max)	I[114]	-4.06	0.00	0.08	0.00	0.47	0.00
112	gLCB24(max)	I[114]	0.00	0.00	0.00	0.00	0.00	0.00
112	gLCB17(min)	I[114]	-8.47	0.00	-0.38	0.00	-2.26	0.00
112	gLCB18(min)	I[114]	-4.42	0.00	-0.45	0.00	-2.73	0.00
112	gLCB19(min)	I[114]	-8.65	0.00	-0.45	0.00	-2.73	0.00
112	gLCB20(min)	I[114]	-4.60	0.00	-0.53	0.00	-3.19	0.00
112	gLCB21(min)	I[114]	-10.63	0.00	-0.62	0.00	-3.74	0.00
112	gLCB22(min)	I[114]	-6.58	0.00	-0.70	0.00	-4.21	0.00
112	gLCB23(min)	I[114]	-10.81	0.00	-0.70	0.00	-4.21	0.00
112	gLCB24(min)	I[114]	-6.76	0.00	-0.78	0.00	-4.67	0.00
113	gLCB1	I[113]	-35.56	0.00	8.12	0.00	-90.14	0.00
113	gLCB2	I[113]	-28.85	0.00	8.60	0.00	-93.05	0.00
113	gLCB3	I[113]	-35.56	0.00	1.64	0.00	-25.18	0.00
113	gLCB4	I[113]	-28.85	0.00	2.12	0.00	-28.09	0.00
113	gLCB5	I[113]	-33.88	0.00	8.25	0.00	-90.90	0.00
113	gLCB6	I[113]	-27.17	0.00	8.73	0.00	-93.82	0.00
113	gLCB7	I[113]	-33.88	0.00	1.77	0.00	-25.94	0.00
113	gLCB8	I[113]	-27.17	0.00	2.25	0.00	-28.85	0.00
113	gLCB9	I[113]	-32.07	0.00	8.26	0.00	-90.97	0.00
113	gLCB10	I[113]	-25.36	0.00	8.74	0.00	-93.88	0.00
113	gLCB11	I[113]	-32.07	0.00	1.78	0.00	-26.00	0.00
113	gLCB12	I[113]	-25.36	0.00	2.26	0.00	-28.91	0.00
113	gLCB13	I[113]	-30.39	0.00	8.38	0.00	-91.73	0.00
113	gLCB14	I[113]	-23.68	0.00	8.87	0.00	-94.64	0.00
113	gLCB15	I[113]	-30.39	0.00	1.90	0.00	-26.77	0.00
113	gLCB16	I[113]	-23.68	0.00	2.39	0.00	-29.68	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
113	gLCB17(max)	I[113]	-3.88	0.00	0.16	0.00	2.26	0.00
113	gLCB18(max)	I[113]	-4.06	0.00	0.08	0.00	2.73	0.00
113	gLCB19(max)	I[113]	0.18	0.00	0.08	0.00	2.73	0.00
113	gLCB20(max)	I[113]	0.00	0.00	0.00	0.00	3.19	0.00
113	gLCB21(max)	I[113]	-3.88	0.00	0.16	0.00	3.74	0.00
113	gLCB22(max)	I[113]	-4.06	0.00	0.08	0.00	4.21	0.00
113	gLCB23(max)	I[113]	0.18	0.00	0.08	0.00	4.21	0.00
113	gLCB24(max)	I[113]	0.00	0.00	0.00	0.00	4.67	0.00
113	gLCB17(min)	I[113]	-8.47	0.00	-0.38	0.00	-0.93	0.00
113	gLCB18(min)	I[113]	-8.65	0.00	-0.45	0.00	-0.47	0.00
113	gLCB19(min)	I[113]	-4.42	0.00	-0.45	0.00	-0.47	0.00
113	gLCB20(min)	I[113]	-4.60	0.00	-0.53	0.00	0.00	0.00
113	gLCB21(min)	I[113]	-10.63	0.00	-0.62	0.00	-0.93	0.00
113	gLCB22(min)	I[113]	-10.81	0.00	-0.70	0.00	-0.47	0.00
113	gLCB23(min)	I[113]	-6.58	0.00	-0.70	0.00	-0.47	0.00
113	gLCB24(min)	I[113]	-6.76	0.00	-0.78	0.00	0.00	0.00
114	gLCB1	I[116]	-35.19	0.00	6.01	0.00	97.20	0.00
114	gLCB2	I[116]	-28.47	0.00	6.50	0.00	100.60	0.00
114	gLCB3	I[116]	-35.19	0.00	0.86	0.00	26.42	0.00
114	gLCB4	I[116]	-28.47	0.00	1.34	0.00	29.82	0.00
114	gLCB5	I[116]	-33.50	0.00	6.14	0.00	98.09	0.00
114	gLCB6	I[116]	-26.79	0.00	6.63	0.00	101.49	0.00
114	gLCB7	I[116]	-33.50	0.00	0.99	0.00	27.31	0.00
114	gLCB8	I[116]	-26.79	0.00	1.47	0.00	30.71	0.00
114	gLCB9	I[116]	-31.80	0.00	6.15	0.00	98.17	0.00
114	gLCB10	I[116]	-25.09	0.00	6.64	0.00	101.56	0.00
114	gLCB11	I[116]	-31.80	0.00	1.00	0.00	27.39	0.00
114	gLCB12	I[116]	-25.09	0.00	1.48	0.00	30.78	0.00
114	gLCB13	I[116]	-30.12	0.00	6.28	0.00	99.06	0.00
114	gLCB14	I[116]	-23.41	0.00	6.77	0.00	102.45	0.00
114	gLCB15	I[116]	-30.12	0.00	1.12	0.00	28.28	0.00
114	gLCB16	I[116]	-23.41	0.00	1.61	0.00	31.68	0.00
114	gLCB17(max)	I[116]	-3.88	0.00	0.16	0.00	1.09	0.00
114	gLCB18(max)	I[116]	0.18	0.00	0.08	0.00	0.54	0.00
114	gLCB19(max)	I[116]	-4.06	0.00	0.08	0.00	0.54	0.00
114	gLCB20(max)	I[116]	0.00	0.00	0.00	0.00	0.00	0.00
114	gLCB21(max)	I[116]	-3.88	0.00	0.16	0.00	1.09	0.00
114	gLCB22(max)	I[116]	0.18	0.00	0.08	0.00	0.54	0.00
114	gLCB23(max)	I[116]	-4.06	0.00	0.08	0.00	0.54	0.00
114	gLCB24(max)	I[116]	0.00	0.00	0.00	0.00	0.00	0.00
114	gLCB17(min)	I[116]	-8.47	0.00	-0.38	0.00	-2.64	0.00
114	gLCB18(min)	I[116]	-4.42	0.00	-0.45	0.00	-3.18	0.00
114	gLCB19(min)	I[116]	-8.65	0.00	-0.45	0.00	-3.18	0.00
114	gLCB20(min)	I[116]	-4.60	0.00	-0.53	0.00	-3.73	0.00
114	gLCB21(min)	I[116]	-10.63	0.00	-0.62	0.00	-4.36	0.00
114	gLCB22(min)	I[116]	-6.58	0.00	-0.70	0.00	-4.91	0.00
114	gLCB23(min)	I[116]	-10.81	0.00	-0.70	0.00	-4.91	0.00
114	gLCB24(min)	I[116]	-6.76	0.00	-0.78	0.00	-5.45	0.00
115	gLCB1	I[115]	-35.19	0.00	6.01	0.00	-97.20	0.00
115	gLCB2	I[115]	-28.47	0.00	6.50	0.00	-100.60	0.00
115	gLCB3	I[115]	-35.19	0.00	0.86	0.00	-26.42	0.00
115	gLCB4	I[115]	-28.47	0.00	1.34	0.00	-29.82	0.00
115	gLCB5	I[115]	-33.50	0.00	6.14	0.00	-98.09	0.00
115	gLCB6	I[115]	-26.79	0.00	6.63	0.00	-101.49	0.00
115	gLCB7	I[115]	-33.50	0.00	0.99	0.00	-27.31	0.00
115	gLCB8	I[115]	-26.79	0.00	1.47	0.00	-30.71	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
115	gLCB9	I[115]	-31.80	0.00	6.15	0.00	-98.17	0.00
115	gLCB10	I[115]	-25.09	0.00	6.64	0.00	-101.56	0.00
115	gLCB11	I[115]	-31.80	0.00	1.00	0.00	-27.39	0.00
115	gLCB12	I[115]	-25.09	0.00	1.48	0.00	-30.78	0.00
115	gLCB13	I[115]	-30.12	0.00	6.28	0.00	-99.06	0.00
115	gLCB14	I[115]	-23.41	0.00	6.77	0.00	-102.45	0.00
115	gLCB15	I[115]	-30.12	0.00	1.12	0.00	-28.28	0.00
115	gLCB16	I[115]	-23.41	0.00	1.61	0.00	-31.68	0.00
115	gLCB17(max)	I[115]	-3.88	0.00	0.16	0.00	2.64	0.00
115	gLCB18(max)	I[115]	-4.06	0.00	0.08	0.00	3.18	0.00
115	gLCB19(max)	I[115]	0.18	0.00	0.08	0.00	3.18	0.00
115	gLCB20(max)	I[115]	0.00	0.00	0.00	0.00	3.73	0.00
115	gLCB21(max)	I[115]	-3.88	0.00	0.16	0.00	4.36	0.00
115	gLCB22(max)	I[115]	-4.06	0.00	0.08	0.00	4.91	0.00
115	gLCB23(max)	I[115]	0.18	0.00	0.08	0.00	4.91	0.00
115	gLCB24(max)	I[115]	0.00	0.00	0.00	0.00	5.45	0.00
115	gLCB17(min)	I[115]	-8.47	0.00	-0.38	0.00	-1.09	0.00
115	gLCB18(min)	I[115]	-8.65	0.00	-0.45	0.00	-0.54	0.00
115	gLCB19(min)	I[115]	-4.42	0.00	-0.45	0.00	-0.54	0.00
115	gLCB20(min)	I[115]	-4.60	0.00	-0.53	0.00	0.00	0.00
115	gLCB21(min)	I[115]	-10.63	0.00	-0.62	0.00	-1.09	0.00
115	gLCB22(min)	I[115]	-10.81	0.00	-0.70	0.00	-0.54	0.00
115	gLCB23(min)	I[115]	-6.58	0.00	-0.70	0.00	-0.54	0.00
115	gLCB24(min)	I[115]	-6.76	0.00	-0.78	0.00	0.00	0.00
116	gLCB1	I[118]	-34.81	0.00	3.99	0.00	102.20	0.00
116	gLCB2	I[118]	-28.10	0.00	4.48	0.00	106.08	0.00
116	gLCB3	I[118]	-34.81	0.00	0.11	0.00	26.90	0.00
116	gLCB4	I[118]	-28.10	0.00	0.59	0.00	30.79	0.00
116	gLCB5	I[118]	-33.13	0.00	4.12	0.00	103.21	0.00
116	gLCB6	I[118]	-26.42	0.00	4.60	0.00	107.10	0.00
116	gLCB7	I[118]	-33.13	0.00	0.24	0.00	27.92	0.00
116	gLCB8	I[118]	-26.42	0.00	0.72	0.00	31.80	0.00
116	gLCB9	I[118]	-31.53	0.00	4.13	0.00	103.30	0.00
116	gLCB10	I[118]	-24.82	0.00	4.61	0.00	107.18	0.00
116	gLCB11	I[118]	-31.53	0.00	0.25	0.00	28.01	0.00
116	gLCB12	I[118]	-24.82	0.00	0.73	0.00	31.89	0.00
116	gLCB13	I[118]	-29.85	0.00	4.26	0.00	104.32	0.00
116	gLCB14	I[118]	-23.14	0.00	4.74	0.00	108.20	0.00
116	gLCB15	I[118]	-29.85	0.00	0.38	0.00	29.03	0.00
116	gLCB16	I[118]	-23.14	0.00	0.86	0.00	32.91	0.00
116	gLCB17(max)	I[118]	-3.88	0.00	0.16	0.00	1.25	0.00
116	gLCB18(max)	I[118]	0.18	0.00	0.08	0.00	0.62	0.00
116	gLCB19(max)	I[118]	-4.06	0.00	0.08	0.00	0.62	0.00
116	gLCB20(max)	I[118]	0.00	0.00	0.00	0.00	0.00	0.00
116	gLCB21(max)	I[118]	-3.88	0.00	0.16	0.00	1.25	0.00
116	gLCB22(max)	I[118]	0.18	0.00	0.08	0.00	0.62	0.00
116	gLCB23(max)	I[118]	-4.06	0.00	0.08	0.00	0.62	0.00
116	gLCB24(max)	I[118]	0.00	0.00	0.00	0.00	0.00	0.00
116	gLCB17(min)	I[118]	-8.47	0.00	-0.38	0.00	-3.01	0.00
116	gLCB18(min)	I[118]	-4.42	0.00	-0.45	0.00	-3.63	0.00
116	gLCB19(min)	I[118]	-8.65	0.00	-0.45	0.00	-3.63	0.00
116	gLCB20(min)	I[118]	-4.60	0.00	-0.53	0.00	-4.26	0.00
116	gLCB21(min)	I[118]	-10.63	0.00	-0.62	0.00	-4.99	0.00
116	gLCB22(min)	I[118]	-6.58	0.00	-0.70	0.00	-5.61	0.00
116	gLCB23(min)	I[118]	-10.81	0.00	-0.70	0.00	-5.61	0.00
116	gLCB24(min)	I[118]	-6.76	0.00	-0.78	0.00	-6.23	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
117	gLCB1	I[117]	-34.81	0.00	3.99	0.00	-102.20	0.00
117	gLCB2	I[117]	-28.10	0.00	4.48	0.00	-106.08	0.00
117	gLCB3	I[117]	-34.81	0.00	0.11	0.00	-26.90	0.00
117	gLCB4	I[117]	-28.10	0.00	0.59	0.00	-30.79	0.00
117	gLCB5	I[117]	-33.13	0.00	4.12	0.00	-103.21	0.00
117	gLCB6	I[117]	-26.42	0.00	4.60	0.00	-107.10	0.00
117	gLCB7	I[117]	-33.13	0.00	0.24	0.00	-27.92	0.00
117	gLCB8	I[117]	-26.42	0.00	0.72	0.00	-31.80	0.00
117	gLCB9	I[117]	-31.53	0.00	4.13	0.00	-103.30	0.00
117	gLCB10	I[117]	-24.82	0.00	4.61	0.00	-107.18	0.00
117	gLCB11	I[117]	-31.53	0.00	0.25	0.00	-28.01	0.00
117	gLCB12	I[117]	-24.82	0.00	0.73	0.00	-31.89	0.00
117	gLCB13	I[117]	-29.85	0.00	4.26	0.00	-104.32	0.00
117	gLCB14	I[117]	-23.14	0.00	4.74	0.00	-108.20	0.00
117	gLCB15	I[117]	-29.85	0.00	0.38	0.00	-29.03	0.00
117	gLCB16	I[117]	-23.14	0.00	0.86	0.00	-32.91	0.00
117	gLCB17(max)	I[117]	-3.88	0.00	0.16	0.00	3.01	0.00
117	gLCB18(max)	I[117]	-4.06	0.00	0.08	0.00	3.63	0.00
117	gLCB19(max)	I[117]	0.18	0.00	0.08	0.00	3.63	0.00
117	gLCB20(max)	I[117]	0.00	0.00	0.00	0.00	4.26	0.00
117	gLCB21(max)	I[117]	-3.88	0.00	0.16	0.00	4.99	0.00
117	gLCB22(max)	I[117]	-4.06	0.00	0.08	0.00	5.61	0.00
117	gLCB23(max)	I[117]	0.18	0.00	0.08	0.00	5.61	0.00
117	gLCB24(max)	I[117]	0.00	0.00	0.00	0.00	6.23	0.00
117	gLCB17(min)	I[117]	-8.47	0.00	-0.38	0.00	-1.25	0.00
117	gLCB18(min)	I[117]	-8.65	0.00	-0.45	0.00	-0.62	0.00
117	gLCB19(min)	I[117]	-4.42	0.00	-0.45	0.00	-0.62	0.00
117	gLCB20(min)	I[117]	-4.60	0.00	-0.53	0.00	0.00	0.00
117	gLCB21(min)	I[117]	-10.63	0.00	-0.62	0.00	-1.25	0.00
117	gLCB22(min)	I[117]	-10.81	0.00	-0.70	0.00	-0.62	0.00
117	gLCB23(min)	I[117]	-6.58	0.00	-0.70	0.00	-0.62	0.00
117	gLCB24(min)	I[117]	-6.76	0.00	-0.78	0.00	0.00	0.00
118	gLCB1	I[120]	-34.44	0.00	2.05	0.00	105.21	0.00
118	gLCB2	I[120]	-27.72	0.00	2.53	0.00	109.57	0.00
118	gLCB3	I[120]	-34.44	0.00	-0.61	0.00	26.65	0.00
118	gLCB4	I[120]	-27.72	0.00	-0.13	0.00	31.02	0.00
118	gLCB5	I[120]	-32.75	0.00	2.17	0.00	106.35	0.00
118	gLCB6	I[120]	-26.04	0.00	2.66	0.00	110.72	0.00
118	gLCB7	I[120]	-32.75	0.00	-0.48	0.00	27.80	0.00
118	gLCB8	I[120]	-26.04	0.00	0.00	0.00	32.16	0.00
118	gLCB9	I[120]	-31.26	0.00	2.18	0.00	106.45	0.00
118	gLCB10	I[120]	-24.55	0.00	2.67	0.00	110.82	0.00
118	gLCB11	I[120]	-31.26	0.00	-0.47	0.00	27.89	0.00
118	gLCB12	I[120]	-24.55	0.00	0.01	0.00	32.26	0.00
118	gLCB13	I[120]	-29.58	0.00	2.31	0.00	107.60	0.00
118	gLCB14	I[120]	-22.87	0.00	2.80	0.00	111.96	0.00
118	gLCB15	I[120]	-29.58	0.00	-0.35	0.00	29.04	0.00
118	gLCB16	I[120]	-22.87	0.00	0.14	0.00	33.41	0.00
118	gLCB17(max)	I[120]	-3.88	0.00	0.16	0.00	1.40	0.00
118	gLCB18(max)	I[120]	0.18	0.00	0.08	0.00	0.70	0.00
118	gLCB19(max)	I[120]	-4.06	0.00	0.08	0.00	0.70	0.00
118	gLCB20(max)	I[120]	0.00	0.00	0.00	0.00	0.00	0.00
118	gLCB21(max)	I[120]	-3.88	0.00	0.16	0.00	1.40	0.00
118	gLCB22(max)	I[120]	0.18	0.00	0.08	0.00	0.70	0.00
118	gLCB23(max)	I[120]	-4.06	0.00	0.08	0.00	0.70	0.00
118	gLCB24(max)	I[120]	0.00	0.00	0.00	0.00	0.00	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
118	gLCB17(min)	I[120]	-8.47	0.00	-0.38	0.00	-3.39	0.00
118	gLCB18(min)	I[120]	-4.42	0.00	-0.45	0.00	-4.09	0.00
118	gLCB19(min)	I[120]	-8.65	0.00	-0.45	0.00	-4.09	0.00
118	gLCB20(min)	I[120]	-4.60	0.00	-0.53	0.00	-4.79	0.00
118	gLCB21(min)	I[120]	-10.63	0.00	-0.62	0.00	-5.61	0.00
118	gLCB22(min)	I[120]	-6.58	0.00	-0.70	0.00	-6.31	0.00
118	gLCB23(min)	I[120]	-10.81	0.00	-0.70	0.00	-6.31	0.00
118	gLCB24(min)	I[120]	-6.76	0.00	-0.78	0.00	-7.01	0.00
119	gLCB1	I[119]	-34.44	0.00	2.05	0.00	-105.21	0.00
119	gLCB2	I[119]	-27.72	0.00	2.53	0.00	-109.57	0.00
119	gLCB3	I[119]	-34.44	0.00	-0.61	0.00	-26.65	0.00
119	gLCB4	I[119]	-27.72	0.00	-0.13	0.00	-31.02	0.00
119	gLCB5	I[119]	-32.75	0.00	2.17	0.00	-106.35	0.00
119	gLCB6	I[119]	-26.04	0.00	2.66	0.00	-110.72	0.00
119	gLCB7	I[119]	-32.75	0.00	-0.48	0.00	-27.80	0.00
119	gLCB8	I[119]	-26.04	0.00	0.00	0.00	-32.16	0.00
119	gLCB9	I[119]	-31.26	0.00	2.18	0.00	-106.45	0.00
119	gLCB10	I[119]	-24.55	0.00	2.67	0.00	-110.82	0.00
119	gLCB11	I[119]	-31.26	0.00	-0.47	0.00	-27.89	0.00
119	gLCB12	I[119]	-24.55	0.00	0.01	0.00	-32.26	0.00
119	gLCB13	I[119]	-29.58	0.00	2.31	0.00	-107.60	0.00
119	gLCB14	I[119]	-22.87	0.00	2.80	0.00	-111.96	0.00
119	gLCB15	I[119]	-29.58	0.00	-0.35	0.00	-29.04	0.00
119	gLCB16	I[119]	-22.87	0.00	0.14	0.00	-33.41	0.00
119	gLCB17(max)	I[119]	-3.88	0.00	0.16	0.00	3.39	0.00
119	gLCB18(max)	I[119]	-4.06	0.00	0.08	0.00	4.09	0.00
119	gLCB19(max)	I[119]	0.18	0.00	0.08	0.00	4.09	0.00
119	gLCB20(max)	I[119]	0.00	0.00	0.00	0.00	4.79	0.00
119	gLCB21(max)	I[119]	-3.88	0.00	0.16	0.00	5.61	0.00
119	gLCB22(max)	I[119]	-4.06	0.00	0.08	0.00	6.31	0.00
119	gLCB23(max)	I[119]	0.18	0.00	0.08	0.00	6.31	0.00
119	gLCB24(max)	I[119]	0.00	0.00	0.00	0.00	7.01	0.00
119	gLCB17(min)	I[119]	-8.47	0.00	-0.38	0.00	-1.40	0.00
119	gLCB18(min)	I[119]	-8.65	0.00	-0.45	0.00	-0.70	0.00
119	gLCB19(min)	I[119]	-4.42	0.00	-0.45	0.00	-0.70	0.00
119	gLCB20(min)	I[119]	-4.60	0.00	-0.53	0.00	0.00	0.00
119	gLCB21(min)	I[119]	-10.63	0.00	-0.62	0.00	-1.40	0.00
119	gLCB22(min)	I[119]	-10.81	0.00	-0.70	0.00	-0.70	0.00
119	gLCB23(min)	I[119]	-6.58	0.00	-0.70	0.00	-0.70	0.00
119	gLCB24(min)	I[119]	-6.76	0.00	-0.78	0.00	0.00	0.00
120	gLCB1	I[122]	-34.06	0.00	0.18	0.00	106.31	0.00
120	gLCB2	I[122]	-27.35	0.00	0.67	0.00	111.17	0.00
120	gLCB3	I[122]	-34.06	0.00	-1.30	0.00	25.69	0.00
120	gLCB4	I[122]	-27.35	0.00	-0.82	0.00	30.54	0.00
120	gLCB5	I[122]	-32.38	0.00	0.31	0.00	107.59	0.00
120	gLCB6	I[122]	-25.67	0.00	0.79	0.00	112.44	0.00
120	gLCB7	I[122]	-32.38	0.00	-1.17	0.00	26.97	0.00
120	gLCB8	I[122]	-25.67	0.00	-0.69	0.00	31.82	0.00
120	gLCB9	I[122]	-30.99	0.00	0.32	0.00	107.69	0.00
120	gLCB10	I[122]	-24.28	0.00	0.80	0.00	112.54	0.00
120	gLCB11	I[122]	-30.99	0.00	-1.16	0.00	27.07	0.00
120	gLCB12	I[122]	-24.28	0.00	-0.68	0.00	31.92	0.00
120	gLCB13	I[122]	-29.31	0.00	0.45	0.00	108.97	0.00
120	gLCB14	I[122]	-22.60	0.00	0.93	0.00	113.82	0.00
120	gLCB15	I[122]	-29.31	0.00	-1.04	0.00	28.35	0.00
120	gLCB16	I[122]	-22.60	0.00	-0.55	0.00	33.20	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
120	gLCB17(max)	I[122]	-3.88	0.00	0.16	0.00	1.56	0.00
120	gLCB18(max)	I[122]	0.18	0.00	0.08	0.00	0.78	0.00
120	gLCB19(max)	I[122]	-4.06	0.00	0.08	0.00	0.78	0.00
120	gLCB20(max)	I[122]	0.00	0.00	0.00	0.00	0.00	0.00
120	gLCB21(max)	I[122]	-3.88	0.00	0.16	0.00	1.56	0.00
120	gLCB22(max)	I[122]	0.18	0.00	0.08	0.00	0.78	0.00
120	gLCB23(max)	I[122]	-4.06	0.00	0.08	0.00	0.78	0.00
120	gLCB24(max)	I[122]	0.00	0.00	0.00	0.00	0.00	0.00
120	gLCB17(min)	I[122]	-8.47	0.00	-0.38	0.00	-3.77	0.00
120	gLCB18(min)	I[122]	-4.42	0.00	-0.45	0.00	-4.54	0.00
120	gLCB19(min)	I[122]	-8.65	0.00	-0.45	0.00	-4.54	0.00
120	gLCB20(min)	I[122]	-4.60	0.00	-0.53	0.00	-5.32	0.00
120	gLCB21(min)	I[122]	-10.63	0.00	-0.62	0.00	-6.23	0.00
120	gLCB22(min)	I[122]	-6.58	0.00	-0.70	0.00	-7.01	0.00
120	gLCB23(min)	I[122]	-10.81	0.00	-0.70	0.00	-7.01	0.00
120	gLCB24(min)	I[122]	-6.76	0.00	-0.78	0.00	-7.79	0.00
121	gLCB1	I[121]	-34.06	0.00	0.18	0.00	-106.31	0.00
121	gLCB2	I[121]	-27.35	0.00	0.67	0.00	-111.17	0.00
121	gLCB3	I[121]	-34.06	0.00	-1.30	0.00	-25.69	0.00
121	gLCB4	I[121]	-27.35	0.00	-0.82	0.00	-30.54	0.00
121	gLCB5	I[121]	-32.38	0.00	0.31	0.00	-107.59	0.00
121	gLCB6	I[121]	-25.67	0.00	0.79	0.00	-112.44	0.00
121	gLCB7	I[121]	-32.38	0.00	-1.17	0.00	-26.97	0.00
121	gLCB8	I[121]	-25.67	0.00	-0.69	0.00	-31.82	0.00
121	gLCB9	I[121]	-30.99	0.00	0.32	0.00	-107.69	0.00
121	gLCB10	I[121]	-24.28	0.00	0.80	0.00	-112.54	0.00
121	gLCB11	I[121]	-30.99	0.00	-1.16	0.00	-27.07	0.00
121	gLCB12	I[121]	-24.28	0.00	-0.68	0.00	-31.92	0.00
121	gLCB13	I[121]	-29.31	0.00	0.45	0.00	-108.97	0.00
121	gLCB14	I[121]	-22.60	0.00	0.93	0.00	-113.82	0.00
121	gLCB15	I[121]	-29.31	0.00	-1.04	0.00	-28.35	0.00
121	gLCB16	I[121]	-22.60	0.00	-0.55	0.00	-33.20	0.00
121	gLCB17(max)	I[121]	-3.88	0.00	0.16	0.00	3.77	0.00
121	gLCB18(max)	I[121]	-4.06	0.00	0.08	0.00	4.54	0.00
121	gLCB19(max)	I[121]	0.18	0.00	0.08	0.00	4.54	0.00
121	gLCB20(max)	I[121]	0.00	0.00	0.00	0.00	5.32	0.00
121	gLCB21(max)	I[121]	-3.88	0.00	0.16	0.00	6.23	0.00
121	gLCB22(max)	I[121]	-4.06	0.00	0.08	0.00	7.01	0.00
121	gLCB23(max)	I[121]	0.18	0.00	0.08	0.00	7.01	0.00
121	gLCB24(max)	I[121]	0.00	0.00	0.00	0.00	7.79	0.00
121	gLCB17(min)	I[121]	-8.47	0.00	-0.38	0.00	-1.56	0.00
121	gLCB18(min)	I[121]	-8.65	0.00	-0.45	0.00	-0.78	0.00
121	gLCB19(min)	I[121]	-4.42	0.00	-0.45	0.00	-0.78	0.00
121	gLCB20(min)	I[121]	-4.60	0.00	-0.53	0.00	0.00	0.00
121	gLCB21(min)	I[121]	-10.63	0.00	-0.62	0.00	-1.56	0.00
121	gLCB22(min)	I[121]	-10.81	0.00	-0.70	0.00	-0.78	0.00
121	gLCB23(min)	I[121]	-6.58	0.00	-0.70	0.00	-0.78	0.00
121	gLCB24(min)	I[121]	-6.76	0.00	-0.78	0.00	0.00	0.00
122	gLCB1	I[124]	-33.69	0.00	-1.61	0.00	105.59	0.00
122	gLCB2	I[124]	-26.97	0.00	-1.12	0.00	110.93	0.00
122	gLCB3	I[124]	-33.69	0.00	-1.96	0.00	24.06	0.00
122	gLCB4	I[124]	-26.97	0.00	-1.48	0.00	29.39	0.00
122	gLCB5	I[124]	-32.00	0.00	-1.48	0.00	107.00	0.00
122	gLCB6	I[124]	-25.29	0.00	-0.99	0.00	112.33	0.00
122	gLCB7	I[124]	-32.00	0.00	-1.84	0.00	25.46	0.00
122	gLCB8	I[124]	-25.29	0.00	-1.35	0.00	30.80	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
122	gLCB9	I[124]	-30.72	0.00	-1.47	0.00	107.11	0.00
122	gLCB10	I[124]	-24.01	0.00	-0.98	0.00	112.45	0.00
122	gLCB11	I[124]	-30.72	0.00	-1.83	0.00	25.57	0.00
122	gLCB12	I[124]	-24.01	0.00	-1.34	0.00	30.91	0.00
122	gLCB13	I[124]	-29.04	0.00	-1.34	0.00	108.51	0.00
122	gLCB14	I[124]	-22.33	0.00	-0.86	0.00	113.85	0.00
122	gLCB15	I[124]	-29.04	0.00	-1.70	0.00	26.98	0.00
122	gLCB16	I[124]	-22.33	0.00	-1.21	0.00	32.31	0.00
122	gLCB17(max)	I[124]	-3.88	0.00	0.16	0.00	1.71	0.00
122	gLCB18(max)	I[124]	0.18	0.00	0.08	0.00	0.86	0.00
122	gLCB19(max)	I[124]	-4.06	0.00	0.08	0.00	0.86	0.00
122	gLCB20(max)	I[124]	0.00	0.00	0.00	0.00	0.00	0.00
122	gLCB21(max)	I[124]	-3.88	0.00	0.16	0.00	1.71	0.00
122	gLCB22(max)	I[124]	0.18	0.00	0.08	0.00	0.86	0.00
122	gLCB23(max)	I[124]	-4.06	0.00	0.08	0.00	0.86	0.00
122	gLCB24(max)	I[124]	0.00	0.00	0.00	0.00	0.00	0.00
122	gLCB17(min)	I[124]	-8.47	0.00	-0.38	0.00	-4.14	0.00
122	gLCB18(min)	I[124]	-4.42	0.00	-0.45	0.00	-5.00	0.00
122	gLCB19(min)	I[124]	-8.65	0.00	-0.45	0.00	-5.00	0.00
122	gLCB20(min)	I[124]	-4.60	0.00	-0.53	0.00	-5.85	0.00
122	gLCB21(min)	I[124]	-10.63	0.00	-0.62	0.00	-6.86	0.00
122	gLCB22(min)	I[124]	-6.58	0.00	-0.70	0.00	-7.71	0.00
122	gLCB23(min)	I[124]	-10.81	0.00	-0.70	0.00	-7.71	0.00
122	gLCB24(min)	I[124]	-6.76	0.00	-0.78	0.00	-8.57	0.00
123	gLCB1	I[123]	-33.69	0.00	-1.61	0.00	-105.59	0.00
123	gLCB2	I[123]	-26.97	0.00	-1.12	0.00	-110.93	0.00
123	gLCB3	I[123]	-33.69	0.00	-1.96	0.00	-24.06	0.00
123	gLCB4	I[123]	-26.97	0.00	-1.48	0.00	-29.39	0.00
123	gLCB5	I[123]	-32.00	0.00	-1.48	0.00	-107.00	0.00
123	gLCB6	I[123]	-25.29	0.00	-0.99	0.00	-112.33	0.00
123	gLCB7	I[123]	-32.00	0.00	-1.84	0.00	-25.46	0.00
123	gLCB8	I[123]	-25.29	0.00	-1.35	0.00	-30.80	0.00
123	gLCB9	I[123]	-30.72	0.00	-1.47	0.00	-107.11	0.00
123	gLCB10	I[123]	-24.01	0.00	-0.98	0.00	-112.45	0.00
123	gLCB11	I[123]	-30.72	0.00	-1.83	0.00	-25.57	0.00
123	gLCB12	I[123]	-24.01	0.00	-1.34	0.00	-30.91	0.00
123	gLCB13	I[123]	-29.04	0.00	-1.34	0.00	-108.51	0.00
123	gLCB14	I[123]	-22.33	0.00	-0.86	0.00	-113.85	0.00
123	gLCB15	I[123]	-29.04	0.00	-1.70	0.00	-26.98	0.00
123	gLCB16	I[123]	-22.33	0.00	-1.21	0.00	-32.31	0.00
123	gLCB17(max)	I[123]	-3.88	0.00	0.16	0.00	4.14	0.00
123	gLCB18(max)	I[123]	-4.06	0.00	0.08	0.00	5.00	0.00
123	gLCB19(max)	I[123]	0.18	0.00	0.08	0.00	5.00	0.00
123	gLCB20(max)	I[123]	0.00	0.00	0.00	0.00	5.85	0.00
123	gLCB21(max)	I[123]	-3.88	0.00	0.16	0.00	6.86	0.00
123	gLCB22(max)	I[123]	-4.06	0.00	0.08	0.00	7.71	0.00
123	gLCB23(max)	I[123]	0.18	0.00	0.08	0.00	7.71	0.00
123	gLCB24(max)	I[123]	0.00	0.00	0.00	0.00	8.57	0.00
123	gLCB17(min)	I[123]	-8.47	0.00	-0.38	0.00	-1.71	0.00
123	gLCB18(min)	I[123]	-8.65	0.00	-0.45	0.00	-0.86	0.00
123	gLCB19(min)	I[123]	-4.42	0.00	-0.45	0.00	-0.86	0.00
123	gLCB20(min)	I[123]	-4.60	0.00	-0.53	0.00	0.00	0.00
123	gLCB21(min)	I[123]	-10.63	0.00	-0.62	0.00	-1.71	0.00
123	gLCB22(min)	I[123]	-10.81	0.00	-0.70	0.00	-0.86	0.00
123	gLCB23(min)	I[123]	-6.58	0.00	-0.70	0.00	-0.86	0.00
123	gLCB24(min)	I[123]	-6.76	0.00	-0.78	0.00	0.00	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
124	gLCB1	I[126]	-33.31	0.00	-3.31	0.00	103.13	0.00
124	gLCB2	I[126]	-26.60	0.00	-2.83	0.00	108.95	0.00
124	gLCB3	I[126]	-33.31	0.00	-2.60	0.00	21.78	0.00
124	gLCB4	I[126]	-26.60	0.00	-2.11	0.00	27.60	0.00
124	gLCB5	I[126]	-31.63	0.00	-3.19	0.00	104.66	0.00
124	gLCB6	I[126]	-24.92	0.00	-2.70	0.00	110.48	0.00
124	gLCB7	I[126]	-31.63	0.00	-2.47	0.00	23.30	0.00
124	gLCB8	I[126]	-24.92	0.00	-1.98	0.00	29.13	0.00
124	gLCB9	I[126]	-30.45	0.00	-3.17	0.00	104.78	0.00
124	gLCB10	I[126]	-23.74	0.00	-2.69	0.00	110.61	0.00
124	gLCB11	I[126]	-30.45	0.00	-2.46	0.00	23.43	0.00
124	gLCB12	I[126]	-23.74	0.00	-1.97	0.00	29.25	0.00
124	gLCB13	I[126]	-28.77	0.00	-3.05	0.00	106.31	0.00
124	gLCB14	I[126]	-22.06	0.00	-2.56	0.00	112.13	0.00
124	gLCB15	I[126]	-28.77	0.00	-2.33	0.00	24.96	0.00
124	gLCB16	I[126]	-22.06	0.00	-1.84	0.00	30.78	0.00
124	gLCB17(max)	I[126]	-3.88	0.00	0.16	0.00	1.87	0.00
124	gLCB18(max)	I[126]	0.18	0.00	0.08	0.00	0.93	0.00
124	gLCB19(max)	I[126]	-4.06	0.00	0.08	0.00	0.93	0.00
124	gLCB20(max)	I[126]	0.00	0.00	0.00	0.00	0.00	0.00
124	gLCB21(max)	I[126]	-3.88	0.00	0.16	0.00	1.87	0.00
124	gLCB22(max)	I[126]	0.18	0.00	0.08	0.00	0.93	0.00
124	gLCB23(max)	I[126]	-4.06	0.00	0.08	0.00	0.93	0.00
124	gLCB24(max)	I[126]	0.00	0.00	0.00	0.00	0.00	0.00
124	gLCB17(min)	I[126]	-8.47	0.00	-0.38	0.00	-4.52	0.00
124	gLCB18(min)	I[126]	-4.42	0.00	-0.45	0.00	-5.45	0.00
124	gLCB19(min)	I[126]	-8.65	0.00	-0.45	0.00	-5.45	0.00
124	gLCB20(min)	I[126]	-4.60	0.00	-0.53	0.00	-6.39	0.00
124	gLCB21(min)	I[126]	-10.63	0.00	-0.62	0.00	-7.48	0.00
124	gLCB22(min)	I[126]	-6.58	0.00	-0.70	0.00	-8.41	0.00
124	gLCB23(min)	I[126]	-10.81	0.00	-0.70	0.00	-8.41	0.00
124	gLCB24(min)	I[126]	-6.76	0.00	-0.78	0.00	-9.35	0.00
125	gLCB1	I[125]	-33.31	0.00	-3.31	0.00	-103.13	0.00
125	gLCB2	I[125]	-26.60	0.00	-2.83	0.00	-108.95	0.00
125	gLCB3	I[125]	-33.31	0.00	-2.60	0.00	-21.78	0.00
125	gLCB4	I[125]	-26.60	0.00	-2.11	0.00	-27.60	0.00
125	gLCB5	I[125]	-31.63	0.00	-3.19	0.00	-104.66	0.00
125	gLCB6	I[125]	-24.92	0.00	-2.70	0.00	-110.48	0.00
125	gLCB7	I[125]	-31.63	0.00	-2.47	0.00	-23.30	0.00
125	gLCB8	I[125]	-24.92	0.00	-1.98	0.00	-29.13	0.00
125	gLCB9	I[125]	-30.45	0.00	-3.17	0.00	-104.78	0.00
125	gLCB10	I[125]	-23.74	0.00	-2.69	0.00	-110.61	0.00
125	gLCB11	I[125]	-30.45	0.00	-2.46	0.00	-23.43	0.00
125	gLCB12	I[125]	-23.74	0.00	-1.97	0.00	-29.25	0.00
125	gLCB13	I[125]	-28.77	0.00	-3.05	0.00	-106.31	0.00
125	gLCB14	I[125]	-22.06	0.00	-2.56	0.00	-112.13	0.00
125	gLCB15	I[125]	-28.77	0.00	-2.33	0.00	-24.96	0.00
125	gLCB16	I[125]	-22.06	0.00	-1.84	0.00	-30.78	0.00
125	gLCB17(max)	I[125]	-3.88	0.00	0.16	0.00	4.52	0.00
125	gLCB18(max)	I[125]	-4.06	0.00	0.08	0.00	5.45	0.00
125	gLCB19(max)	I[125]	0.18	0.00	0.08	0.00	5.45	0.00
125	gLCB20(max)	I[125]	0.00	0.00	0.00	0.00	6.39	0.00
125	gLCB21(max)	I[125]	-3.88	0.00	0.16	0.00	7.48	0.00
125	gLCB22(max)	I[125]	-4.06	0.00	0.08	0.00	8.41	0.00
125	gLCB23(max)	I[125]	0.18	0.00	0.08	0.00	8.41	0.00
125	gLCB24(max)	I[125]	0.00	0.00	0.00	0.00	9.35	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
125	gLCB17(min)	I[125]	-8.47	0.00	-0.38	0.00	-1.87	0.00
125	gLCB18(min)	I[125]	-8.65	0.00	-0.45	0.00	-0.93	0.00
125	gLCB19(min)	I[125]	-4.42	0.00	-0.45	0.00	-0.93	0.00
125	gLCB20(min)	I[125]	-4.60	0.00	-0.53	0.00	0.00	0.00
125	gLCB21(min)	I[125]	-10.63	0.00	-0.62	0.00	-1.87	0.00
125	gLCB22(min)	I[125]	-10.81	0.00	-0.70	0.00	-0.93	0.00
125	gLCB23(min)	I[125]	-6.58	0.00	-0.70	0.00	-0.93	0.00
125	gLCB24(min)	I[125]	-6.76	0.00	-0.78	0.00	0.00	0.00
126	gLCB1	I[128]	-32.94	0.00	-4.94	0.00	98.99	0.00
126	gLCB2	I[128]	-26.22	0.00	-4.46	0.00	105.30	0.00
126	gLCB3	I[128]	-32.94	0.00	-3.20	0.00	18.88	0.00
126	gLCB4	I[128]	-26.22	0.00	-2.71	0.00	25.18	0.00
126	gLCB5	I[128]	-31.25	0.00	-4.81	0.00	100.65	0.00
126	gLCB6	I[128]	-24.54	0.00	-4.33	0.00	106.96	0.00
126	gLCB7	I[128]	-31.25	0.00	-3.07	0.00	20.53	0.00
126	gLCB8	I[128]	-24.54	0.00	-2.59	0.00	26.84	0.00
126	gLCB9	I[128]	-30.18	0.00	-4.80	0.00	100.79	0.00
126	gLCB10	I[128]	-23.47	0.00	-4.32	0.00	107.10	0.00
126	gLCB11	I[128]	-30.18	0.00	-3.06	0.00	20.67	0.00
126	gLCB12	I[128]	-23.47	0.00	-2.57	0.00	26.98	0.00
126	gLCB13	I[128]	-28.50	0.00	-4.68	0.00	102.44	0.00
126	gLCB14	I[128]	-21.79	0.00	-4.19	0.00	108.75	0.00
126	gLCB15	I[128]	-28.50	0.00	-2.93	0.00	22.33	0.00
126	gLCB16	I[128]	-21.79	0.00	-2.45	0.00	28.63	0.00
126	gLCB17(max)	I[128]	-3.88	0.00	0.16	0.00	2.02	0.00
126	gLCB18(max)	I[128]	0.18	0.00	0.08	0.00	1.01	0.00
126	gLCB19(max)	I[128]	-4.06	0.00	0.08	0.00	1.01	0.00
126	gLCB20(max)	I[128]	0.00	0.00	0.00	0.00	0.00	0.00
126	gLCB21(max)	I[128]	-3.88	0.00	0.16	0.00	2.02	0.00
126	gLCB22(max)	I[128]	0.18	0.00	0.08	0.00	1.01	0.00
126	gLCB23(max)	I[128]	-4.06	0.00	0.08	0.00	1.01	0.00
126	gLCB24(max)	I[128]	0.00	0.00	0.00	0.00	0.00	0.00
126	gLCB17(min)	I[128]	-8.47	0.00	-0.38	0.00	-4.90	0.00
126	gLCB18(min)	I[128]	-4.42	0.00	-0.45	0.00	-5.91	0.00
126	gLCB19(min)	I[128]	-8.65	0.00	-0.45	0.00	-5.91	0.00
126	gLCB20(min)	I[128]	-4.60	0.00	-0.53	0.00	-6.92	0.00
126	gLCB21(min)	I[128]	-10.63	0.00	-0.62	0.00	-8.10	0.00
126	gLCB22(min)	I[128]	-6.58	0.00	-0.70	0.00	-9.12	0.00
126	gLCB23(min)	I[128]	-10.81	0.00	-0.70	0.00	-9.12	0.00
126	gLCB24(min)	I[128]	-6.76	0.00	-0.78	0.00	-10.13	0.00
127	gLCB1	I[127]	-32.94	0.00	-4.94	0.00	-98.99	0.00
127	gLCB2	I[127]	-26.22	0.00	-4.46	0.00	-105.30	0.00
127	gLCB3	I[127]	-32.94	0.00	-3.20	0.00	-18.88	0.00
127	gLCB4	I[127]	-26.22	0.00	-2.71	0.00	-25.18	0.00
127	gLCB5	I[127]	-31.25	0.00	-4.81	0.00	-100.65	0.00
127	gLCB6	I[127]	-24.54	0.00	-4.33	0.00	-106.96	0.00
127	gLCB7	I[127]	-31.25	0.00	-3.07	0.00	-20.53	0.00
127	gLCB8	I[127]	-24.54	0.00	-2.59	0.00	-26.84	0.00
127	gLCB9	I[127]	-30.18	0.00	-4.80	0.00	-100.79	0.00
127	gLCB10	I[127]	-23.47	0.00	-4.32	0.00	-107.10	0.00
127	gLCB11	I[127]	-30.18	0.00	-3.06	0.00	-20.67	0.00
127	gLCB12	I[127]	-23.47	0.00	-2.57	0.00	-26.98	0.00
127	gLCB13	I[127]	-28.50	0.00	-4.68	0.00	-102.44	0.00
127	gLCB14	I[127]	-21.79	0.00	-4.19	0.00	-108.75	0.00
127	gLCB15	I[127]	-28.50	0.00	-2.93	0.00	-22.33	0.00
127	gLCB16	I[127]	-21.79	0.00	-2.45	0.00	-28.63	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
127	gLCB17(max)	I[127]	-3.88	0.00	0.16	0.00	4.90	0.00
127	gLCB18(max)	I[127]	-4.06	0.00	0.08	0.00	5.91	0.00
127	gLCB19(max)	I[127]	0.18	0.00	0.08	0.00	5.91	0.00
127	gLCB20(max)	I[127]	0.00	0.00	0.00	0.00	6.92	0.00
127	gLCB21(max)	I[127]	-3.88	0.00	0.16	0.00	8.10	0.00
127	gLCB22(max)	I[127]	-4.06	0.00	0.08	0.00	9.12	0.00
127	gLCB23(max)	I[127]	0.18	0.00	0.08	0.00	9.12	0.00
127	gLCB24(max)	I[127]	0.00	0.00	0.00	0.00	10.13	0.00
127	gLCB17(min)	I[127]	-8.47	0.00	-0.38	0.00	-2.02	0.00
127	gLCB18(min)	I[127]	-8.65	0.00	-0.45	0.00	-1.01	0.00
127	gLCB19(min)	I[127]	-4.42	0.00	-0.45	0.00	-1.01	0.00
127	gLCB20(min)	I[127]	-4.60	0.00	-0.53	0.00	0.00	0.00
127	gLCB21(min)	I[127]	-10.63	0.00	-0.62	0.00	-2.02	0.00
127	gLCB22(min)	I[127]	-10.81	0.00	-0.70	0.00	-1.01	0.00
127	gLCB23(min)	I[127]	-6.58	0.00	-0.70	0.00	-1.01	0.00
127	gLCB24(min)	I[127]	-6.76	0.00	-0.78	0.00	0.00	0.00
128	gLCB1	I[130]	-32.56	0.00	-6.49	0.00	93.27	0.00
128	gLCB2	I[130]	-25.85	0.00	-6.00	0.00	100.07	0.00
128	gLCB3	I[130]	-32.56	0.00	-3.77	0.00	15.39	0.00
128	gLCB4	I[130]	-25.85	0.00	-3.29	0.00	22.18	0.00
128	gLCB5	I[130]	-30.88	0.00	-6.36	0.00	95.06	0.00
128	gLCB6	I[130]	-24.17	0.00	-5.88	0.00	101.85	0.00
128	gLCB7	I[130]	-30.88	0.00	-3.64	0.00	17.17	0.00
128	gLCB8	I[130]	-24.17	0.00	-3.16	0.00	23.97	0.00
128	gLCB9	I[130]	-29.91	0.00	-6.35	0.00	95.20	0.00
128	gLCB10	I[130]	-23.20	0.00	-5.87	0.00	102.00	0.00
128	gLCB11	I[130]	-29.91	0.00	-3.63	0.00	17.32	0.00
128	gLCB12	I[130]	-23.20	0.00	-3.15	0.00	24.11	0.00
128	gLCB13	I[130]	-28.23	0.00	-6.22	0.00	96.99	0.00
128	gLCB14	I[130]	-21.52	0.00	-5.74	0.00	103.78	0.00
128	gLCB15	I[130]	-28.23	0.00	-3.51	0.00	19.10	0.00
128	gLCB16	I[130]	-21.52	0.00	-3.02	0.00	25.90	0.00
128	gLCB17(max)	I[130]	-3.88	0.00	0.16	0.00	2.18	0.00
128	gLCB18(max)	I[130]	0.18	0.00	0.08	0.00	1.09	0.00
128	gLCB19(max)	I[130]	-4.06	0.00	0.08	0.00	1.09	0.00
128	gLCB20(max)	I[130]	0.00	0.00	0.00	0.00	0.00	0.00
128	gLCB21(max)	I[130]	-3.88	0.00	0.16	0.00	2.18	0.00
128	gLCB22(max)	I[130]	0.18	0.00	0.08	0.00	1.09	0.00
128	gLCB23(max)	I[130]	-4.06	0.00	0.08	0.00	1.09	0.00
128	gLCB24(max)	I[130]	0.00	0.00	0.00	0.00	0.00	0.00
128	gLCB17(min)	I[130]	-8.47	0.00	-0.38	0.00	-5.27	0.00
128	gLCB18(min)	I[130]	-4.42	0.00	-0.45	0.00	-6.36	0.00
128	gLCB19(min)	I[130]	-8.65	0.00	-0.45	0.00	-6.36	0.00
128	gLCB20(min)	I[130]	-4.60	0.00	-0.53	0.00	-7.45	0.00
128	gLCB21(min)	I[130]	-10.63	0.00	-0.62	0.00	-8.73	0.00
128	gLCB22(min)	I[130]	-6.58	0.00	-0.70	0.00	-9.82	0.00
128	gLCB23(min)	I[130]	-10.81	0.00	-0.70	0.00	-9.82	0.00
128	gLCB24(min)	I[130]	-6.76	0.00	-0.78	0.00	-10.91	0.00
129	gLCB1	I[129]	-32.56	0.00	-6.49	0.00	-93.27	0.00
129	gLCB2	I[129]	-25.85	0.00	-6.00	0.00	-100.07	0.00
129	gLCB3	I[129]	-32.56	0.00	-3.77	0.00	-15.39	0.00
129	gLCB4	I[129]	-25.85	0.00	-3.29	0.00	-22.18	0.00
129	gLCB5	I[129]	-30.88	0.00	-6.36	0.00	-95.06	0.00
129	gLCB6	I[129]	-24.17	0.00	-5.88	0.00	-101.85	0.00
129	gLCB7	I[129]	-30.88	0.00	-3.64	0.00	-17.17	0.00
129	gLCB8	I[129]	-24.17	0.00	-3.16	0.00	-23.97	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
129	gLCB9	I[129]	-29.91	0.00	-6.35	0.00	-95.20	0.00
129	gLCB10	I[129]	-23.20	0.00	-5.87	0.00	-102.00	0.00
129	gLCB11	I[129]	-29.91	0.00	-3.63	0.00	-17.32	0.00
129	gLCB12	I[129]	-23.20	0.00	-3.15	0.00	-24.11	0.00
129	gLCB13	I[129]	-28.23	0.00	-6.22	0.00	-96.99	0.00
129	gLCB14	I[129]	-21.52	0.00	-5.74	0.00	-103.78	0.00
129	gLCB15	I[129]	-28.23	0.00	-3.51	0.00	-19.10	0.00
129	gLCB16	I[129]	-21.52	0.00	-3.02	0.00	-25.90	0.00
129	gLCB17(max)	I[129]	-3.88	0.00	0.16	0.00	5.27	0.00
129	gLCB18(max)	I[129]	-4.06	0.00	0.08	0.00	6.36	0.00
129	gLCB19(max)	I[129]	0.18	0.00	0.08	0.00	6.36	0.00
129	gLCB20(max)	I[129]	0.00	0.00	0.00	0.00	7.45	0.00
129	gLCB21(max)	I[129]	-3.88	0.00	0.16	0.00	8.73	0.00
129	gLCB22(max)	I[129]	-4.06	0.00	0.08	0.00	9.82	0.00
129	gLCB23(max)	I[129]	0.18	0.00	0.08	0.00	9.82	0.00
129	gLCB24(max)	I[129]	0.00	0.00	0.00	0.00	10.91	0.00
129	gLCB17(min)	I[129]	-8.47	0.00	-0.38	0.00	-2.18	0.00
129	gLCB18(min)	I[129]	-8.65	0.00	-0.45	0.00	-1.09	0.00
129	gLCB19(min)	I[129]	-4.42	0.00	-0.45	0.00	-1.09	0.00
129	gLCB20(min)	I[129]	-4.60	0.00	-0.53	0.00	0.00	0.00
129	gLCB21(min)	I[129]	-10.63	0.00	-0.62	0.00	-2.18	0.00
129	gLCB22(min)	I[129]	-10.81	0.00	-0.70	0.00	-1.09	0.00
129	gLCB23(min)	I[129]	-6.58	0.00	-0.70	0.00	-1.09	0.00
129	gLCB24(min)	I[129]	-6.76	0.00	-0.78	0.00	0.00	0.00
130	gLCB1	I[132]	-32.19	0.00	-7.96	0.00	86.04	0.00
130	gLCB2	I[132]	-25.47	0.00	-7.47	0.00	93.32	0.00
130	gLCB3	I[132]	-32.19	0.00	-4.32	0.00	11.34	0.00
130	gLCB4	I[132]	-25.47	0.00	-3.83	0.00	18.62	0.00
130	gLCB5	I[132]	-30.50	0.00	-7.83	0.00	87.95	0.00
130	gLCB6	I[132]	-23.79	0.00	-7.34	0.00	95.23	0.00
130	gLCB7	I[132]	-30.50	0.00	-4.19	0.00	13.25	0.00
130	gLCB8	I[132]	-23.79	0.00	-3.70	0.00	20.53	0.00
130	gLCB9	I[132]	-29.64	0.00	-7.82	0.00	88.11	0.00
130	gLCB10	I[132]	-22.93	0.00	-7.33	0.00	95.39	0.00
130	gLCB11	I[132]	-29.64	0.00	-4.18	0.00	13.41	0.00
130	gLCB12	I[132]	-22.93	0.00	-3.69	0.00	20.69	0.00
130	gLCB13	I[132]	-27.96	0.00	-7.69	0.00	90.02	0.00
130	gLCB14	I[132]	-21.25	0.00	-7.21	0.00	97.30	0.00
130	gLCB15	I[132]	-27.96	0.00	-4.05	0.00	15.32	0.00
130	gLCB16	I[132]	-21.25	0.00	-3.56	0.00	22.60	0.00
130	gLCB17(max)	I[132]	-3.88	0.00	0.16	0.00	2.33	0.00
130	gLCB18(max)	I[132]	0.18	0.00	0.08	0.00	1.17	0.00
130	gLCB19(max)	I[132]	-4.06	0.00	0.08	0.00	1.17	0.00
130	gLCB20(max)	I[132]	0.00	0.00	0.00	0.00	0.00	0.00
130	gLCB21(max)	I[132]	-3.88	0.00	0.16	0.00	2.33	0.00
130	gLCB22(max)	I[132]	0.18	0.00	0.08	0.00	1.17	0.00
130	gLCB23(max)	I[132]	-4.06	0.00	0.08	0.00	1.17	0.00
130	gLCB24(max)	I[132]	0.00	0.00	0.00	0.00	0.00	0.00
130	gLCB17(min)	I[132]	-8.47	0.00	-0.38	0.00	-5.65	0.00
130	gLCB18(min)	I[132]	-4.42	0.00	-0.45	0.00	-6.82	0.00
130	gLCB19(min)	I[132]	-8.65	0.00	-0.45	0.00	-6.82	0.00
130	gLCB20(min)	I[132]	-4.60	0.00	-0.53	0.00	-7.98	0.00
130	gLCB21(min)	I[132]	-10.63	0.00	-0.62	0.00	-9.35	0.00
130	gLCB22(min)	I[132]	-6.58	0.00	-0.70	0.00	-10.52	0.00
130	gLCB23(min)	I[132]	-10.81	0.00	-0.70	0.00	-10.52	0.00
130	gLCB24(min)	I[132]	-6.76	0.00	-0.78	0.00	-11.69	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
131	gLCB1	I[131]	-32.19	0.00	-7.96	0.00	-86.04	0.00
131	gLCB2	I[131]	-25.47	0.00	-7.47	0.00	-93.32	0.00
131	gLCB3	I[131]	-32.19	0.00	-4.32	0.00	-11.34	0.00
131	gLCB4	I[131]	-25.47	0.00	-3.83	0.00	-18.62	0.00
131	gLCB5	I[131]	-30.50	0.00	-7.83	0.00	-87.95	0.00
131	gLCB6	I[131]	-23.79	0.00	-7.34	0.00	-95.23	0.00
131	gLCB7	I[131]	-30.50	0.00	-4.19	0.00	-13.25	0.00
131	gLCB8	I[131]	-23.79	0.00	-3.70	0.00	-20.53	0.00
131	gLCB9	I[131]	-29.64	0.00	-7.82	0.00	-88.11	0.00
131	gLCB10	I[131]	-22.93	0.00	-7.33	0.00	-95.39	0.00
131	gLCB11	I[131]	-29.64	0.00	-4.18	0.00	-13.41	0.00
131	gLCB12	I[131]	-22.93	0.00	-3.69	0.00	-20.69	0.00
131	gLCB13	I[131]	-27.96	0.00	-7.69	0.00	-90.02	0.00
131	gLCB14	I[131]	-21.25	0.00	-7.21	0.00	-97.30	0.00
131	gLCB15	I[131]	-27.96	0.00	-4.05	0.00	-15.32	0.00
131	gLCB16	I[131]	-21.25	0.00	-3.56	0.00	-22.60	0.00
131	gLCB17(max)	I[131]	-3.88	0.00	0.16	0.00	5.65	0.00
131	gLCB18(max)	I[131]	-4.06	0.00	0.08	0.00	6.82	0.00
131	gLCB19(max)	I[131]	0.18	0.00	0.08	0.00	6.82	0.00
131	gLCB20(max)	I[131]	0.00	0.00	0.00	0.00	7.98	0.00
131	gLCB21(max)	I[131]	-3.88	0.00	0.16	0.00	9.35	0.00
131	gLCB22(max)	I[131]	-4.06	0.00	0.08	0.00	10.52	0.00
131	gLCB23(max)	I[131]	0.18	0.00	0.08	0.00	10.52	0.00
131	gLCB24(max)	I[131]	0.00	0.00	0.00	0.00	11.69	0.00
131	gLCB17(min)	I[131]	-8.47	0.00	-0.38	0.00	-2.33	0.00
131	gLCB18(min)	I[131]	-8.65	0.00	-0.45	0.00	-1.17	0.00
131	gLCB19(min)	I[131]	-4.42	0.00	-0.45	0.00	-1.17	0.00
131	gLCB20(min)	I[131]	-4.60	0.00	-0.53	0.00	0.00	0.00
131	gLCB21(min)	I[131]	-10.63	0.00	-0.62	0.00	-2.33	0.00
131	gLCB22(min)	I[131]	-10.81	0.00	-0.70	0.00	-1.17	0.00
131	gLCB23(min)	I[131]	-6.58	0.00	-0.70	0.00	-1.17	0.00
131	gLCB24(min)	I[131]	-6.76	0.00	-0.78	0.00	0.00	0.00
132	gLCB1	I[134]	-31.81	0.00	-9.35	0.00	77.38	0.00
132	gLCB2	I[134]	-25.10	0.00	-8.86	0.00	85.15	0.00
132	gLCB3	I[134]	-31.81	0.00	-4.83	0.00	6.77	0.00
132	gLCB4	I[134]	-25.10	0.00	-4.35	0.00	14.53	0.00
132	gLCB5	I[134]	-30.13	0.00	-9.22	0.00	79.42	0.00
132	gLCB6	I[134]	-23.42	0.00	-8.73	0.00	87.19	0.00
132	gLCB7	I[134]	-30.13	0.00	-4.70	0.00	8.81	0.00
132	gLCB8	I[134]	-23.42	0.00	-4.22	0.00	16.57	0.00
132	gLCB9	I[134]	-29.37	0.00	-9.21	0.00	79.59	0.00
132	gLCB10	I[134]	-22.66	0.00	-8.72	0.00	87.36	0.00
132	gLCB11	I[134]	-29.37	0.00	-4.69	0.00	8.98	0.00
132	gLCB12	I[134]	-22.66	0.00	-4.21	0.00	16.74	0.00
132	gLCB13	I[134]	-27.69	0.00	-9.08	0.00	81.63	0.00
132	gLCB14	I[134]	-20.98	0.00	-8.60	0.00	89.39	0.00
132	gLCB15	I[134]	-27.69	0.00	-4.56	0.00	11.01	0.00
132	gLCB16	I[134]	-20.98	0.00	-4.08	0.00	18.78	0.00
132	gLCB17(max)	I[134]	-3.88	0.00	0.16	0.00	2.49	0.00
132	gLCB18(max)	I[134]	0.18	0.00	0.08	0.00	1.25	0.00
132	gLCB19(max)	I[134]	-4.06	0.00	0.08	0.00	1.25	0.00
132	gLCB20(max)	I[134]	0.00	0.00	0.00	0.00	0.00	0.00
132	gLCB21(max)	I[134]	-3.88	0.00	0.16	0.00	2.49	0.00
132	gLCB22(max)	I[134]	0.18	0.00	0.08	0.00	1.25	0.00
132	gLCB23(max)	I[134]	-4.06	0.00	0.08	0.00	1.25	0.00
132	gLCB24(max)	I[134]	0.00	0.00	0.00	0.00	0.00	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
132	gLCB17(min)	I[134]	-8.47	0.00	-0.38	0.00	-6.02	0.00
132	gLCB18(min)	I[134]	-4.42	0.00	-0.45	0.00	-7.27	0.00
132	gLCB19(min)	I[134]	-8.65	0.00	-0.45	0.00	-7.27	0.00
132	gLCB20(min)	I[134]	-4.60	0.00	-0.53	0.00	-8.52	0.00
132	gLCB21(min)	I[134]	-10.63	0.00	-0.62	0.00	-9.97	0.00
132	gLCB22(min)	I[134]	-6.58	0.00	-0.70	0.00	-11.22	0.00
132	gLCB23(min)	I[134]	-10.81	0.00	-0.70	0.00	-11.22	0.00
132	gLCB24(min)	I[134]	-6.76	0.00	-0.78	0.00	-12.46	0.00
133	gLCB1	I[133]	-31.81	0.00	-9.35	0.00	-77.38	0.00
133	gLCB2	I[133]	-25.10	0.00	-8.86	0.00	-85.15	0.00
133	gLCB3	I[133]	-31.81	0.00	-4.83	0.00	-6.77	0.00
133	gLCB4	I[133]	-25.10	0.00	-4.35	0.00	-14.53	0.00
133	gLCB5	I[133]	-30.13	0.00	-9.22	0.00	-79.42	0.00
133	gLCB6	I[133]	-23.42	0.00	-8.73	0.00	-87.19	0.00
133	gLCB7	I[133]	-30.13	0.00	-4.70	0.00	-8.81	0.00
133	gLCB8	I[133]	-23.42	0.00	-4.22	0.00	-16.57	0.00
133	gLCB9	I[133]	-29.37	0.00	-9.21	0.00	-79.59	0.00
133	gLCB10	I[133]	-22.66	0.00	-8.72	0.00	-87.36	0.00
133	gLCB11	I[133]	-29.37	0.00	-4.69	0.00	-8.98	0.00
133	gLCB12	I[133]	-22.66	0.00	-4.21	0.00	-16.74	0.00
133	gLCB13	I[133]	-27.69	0.00	-9.08	0.00	-81.63	0.00
133	gLCB14	I[133]	-20.98	0.00	-8.60	0.00	-89.39	0.00
133	gLCB15	I[133]	-27.69	0.00	-4.56	0.00	-11.01	0.00
133	gLCB16	I[133]	-20.98	0.00	-4.08	0.00	-18.78	0.00
133	gLCB17(max)	I[133]	-3.88	0.00	0.16	0.00	6.02	0.00
133	gLCB18(max)	I[133]	-4.06	0.00	0.08	0.00	7.27	0.00
133	gLCB19(max)	I[133]	0.18	0.00	0.08	0.00	7.27	0.00
133	gLCB20(max)	I[133]	0.00	0.00	0.00	0.00	8.52	0.00
133	gLCB21(max)	I[133]	-3.88	0.00	0.16	0.00	9.97	0.00
133	gLCB22(max)	I[133]	-4.06	0.00	0.08	0.00	11.22	0.00
133	gLCB23(max)	I[133]	0.18	0.00	0.08	0.00	11.22	0.00
133	gLCB24(max)	I[133]	0.00	0.00	0.00	0.00	12.46	0.00
133	gLCB17(min)	I[133]	-8.47	0.00	-0.38	0.00	-2.49	0.00
133	gLCB18(min)	I[133]	-8.65	0.00	-0.45	0.00	-1.25	0.00
133	gLCB19(min)	I[133]	-4.42	0.00	-0.45	0.00	-1.25	0.00
133	gLCB20(min)	I[133]	-4.60	0.00	-0.53	0.00	0.00	0.00
133	gLCB21(min)	I[133]	-10.63	0.00	-0.62	0.00	-2.49	0.00
133	gLCB22(min)	I[133]	-10.81	0.00	-0.70	0.00	-1.25	0.00
133	gLCB23(min)	I[133]	-6.58	0.00	-0.70	0.00	-1.25	0.00
133	gLCB24(min)	I[133]	-6.76	0.00	-0.78	0.00	0.00	0.00
134	gLCB1	I[136]	-31.44	0.00	-10.66	0.00	67.38	0.00
134	gLCB2	I[136]	-24.72	0.00	-10.17	0.00	75.62	0.00
134	gLCB3	I[136]	-31.44	0.00	-5.32	0.00	1.69	0.00
134	gLCB4	I[136]	-24.72	0.00	-4.83	0.00	9.94	0.00
134	gLCB5	I[136]	-29.75	0.00	-10.53	0.00	69.54	0.00
134	gLCB6	I[136]	-23.04	0.00	-10.04	0.00	77.79	0.00
134	gLCB7	I[136]	-29.75	0.00	-5.19	0.00	3.86	0.00
134	gLCB8	I[136]	-23.04	0.00	-4.70	0.00	12.11	0.00
134	gLCB9	I[136]	-29.10	0.00	-10.52	0.00	69.72	0.00
134	gLCB10	I[136]	-22.39	0.00	-10.03	0.00	77.97	0.00
134	gLCB11	I[136]	-29.10	0.00	-5.18	0.00	4.04	0.00
134	gLCB12	I[136]	-22.39	0.00	-4.69	0.00	12.29	0.00
134	gLCB13	I[136]	-27.42	0.00	-10.39	0.00	71.89	0.00
134	gLCB14	I[136]	-20.71	0.00	-9.91	0.00	80.14	0.00
134	gLCB15	I[136]	-27.42	0.00	-5.05	0.00	6.20	0.00
134	gLCB16	I[136]	-20.71	0.00	-4.56	0.00	14.45	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
134	gLCB17(max)	I[136]	-3.88	0.00	0.16	0.00	2.65	0.00
134	gLCB18(max)	I[136]	0.18	0.00	0.08	0.00	1.32	0.00
134	gLCB19(max)	I[136]	-4.06	0.00	0.08	0.00	1.32	0.00
134	gLCB20(max)	I[136]	0.00	0.00	0.00	0.00	0.00	0.00
134	gLCB21(max)	I[136]	-3.88	0.00	0.16	0.00	2.65	0.00
134	gLCB22(max)	I[136]	0.18	0.00	0.08	0.00	1.32	0.00
134	gLCB23(max)	I[136]	-4.06	0.00	0.08	0.00	1.32	0.00
134	gLCB24(max)	I[136]	0.00	0.00	0.00	0.00	0.00	0.00
134	gLCB17(min)	I[136]	-8.47	0.00	-0.38	0.00	-6.40	0.00
134	gLCB18(min)	I[136]	-4.42	0.00	-0.45	0.00	-7.72	0.00
134	gLCB19(min)	I[136]	-8.65	0.00	-0.45	0.00	-7.72	0.00
134	gLCB20(min)	I[136]	-4.60	0.00	-0.53	0.00	-9.05	0.00
134	gLCB21(min)	I[136]	-10.63	0.00	-0.62	0.00	-10.60	0.00
134	gLCB22(min)	I[136]	-6.58	0.00	-0.70	0.00	-11.92	0.00
134	gLCB23(min)	I[136]	-10.81	0.00	-0.70	0.00	-11.92	0.00
134	gLCB24(min)	I[136]	-6.76	0.00	-0.78	0.00	-13.24	0.00
135	gLCB1	I[135]	-31.44	0.00	-10.66	0.00	-67.38	0.00
135	gLCB2	I[135]	-24.72	0.00	-10.17	0.00	-75.62	0.00
135	gLCB3	I[135]	-31.44	0.00	-5.32	0.00	-1.69	0.00
135	gLCB4	I[135]	-24.72	0.00	-4.83	0.00	-9.94	0.00
135	gLCB5	I[135]	-29.75	0.00	-10.53	0.00	-69.54	0.00
135	gLCB6	I[135]	-23.04	0.00	-10.04	0.00	-77.79	0.00
135	gLCB7	I[135]	-29.75	0.00	-5.19	0.00	-3.86	0.00
135	gLCB8	I[135]	-23.04	0.00	-4.70	0.00	-12.11	0.00
135	gLCB9	I[135]	-29.10	0.00	-10.52	0.00	-69.72	0.00
135	gLCB10	I[135]	-22.39	0.00	-10.03	0.00	-77.97	0.00
135	gLCB11	I[135]	-29.10	0.00	-5.18	0.00	-4.04	0.00
135	gLCB12	I[135]	-22.39	0.00	-4.69	0.00	-12.29	0.00
135	gLCB13	I[135]	-27.42	0.00	-10.39	0.00	-71.89	0.00
135	gLCB14	I[135]	-20.71	0.00	-9.91	0.00	-80.14	0.00
135	gLCB15	I[135]	-27.42	0.00	-5.05	0.00	-6.20	0.00
135	gLCB16	I[135]	-20.71	0.00	-4.56	0.00	-14.45	0.00
135	gLCB17(max)	I[135]	-3.88	0.00	0.16	0.00	6.40	0.00
135	gLCB18(max)	I[135]	-4.06	0.00	0.08	0.00	7.72	0.00
135	gLCB19(max)	I[135]	0.18	0.00	0.08	0.00	7.72	0.00
135	gLCB20(max)	I[135]	0.00	0.00	0.00	0.00	9.05	0.00
135	gLCB21(max)	I[135]	-3.88	0.00	0.16	0.00	10.60	0.00
135	gLCB22(max)	I[135]	-4.06	0.00	0.08	0.00	11.92	0.00
135	gLCB23(max)	I[135]	0.18	0.00	0.08	0.00	11.92	0.00
135	gLCB24(max)	I[135]	0.00	0.00	0.00	0.00	13.24	0.00
135	gLCB17(min)	I[135]	-8.47	0.00	-0.38	0.00	-2.65	0.00
135	gLCB18(min)	I[135]	-8.65	0.00	-0.45	0.00	-1.32	0.00
135	gLCB19(min)	I[135]	-4.42	0.00	-0.45	0.00	-1.32	0.00
135	gLCB20(min)	I[135]	-4.60	0.00	-0.53	0.00	0.00	0.00
135	gLCB21(min)	I[135]	-10.63	0.00	-0.62	0.00	-2.65	0.00
135	gLCB22(min)	I[135]	-10.81	0.00	-0.70	0.00	-1.32	0.00
135	gLCB23(min)	I[135]	-6.58	0.00	-0.70	0.00	-1.32	0.00
135	gLCB24(min)	I[135]	-6.76	0.00	-0.78	0.00	0.00	0.00
136	gLCB1	I[138]	-31.06	0.00	-11.89	0.00	56.10	0.00
136	gLCB2	I[138]	-24.35	0.00	-11.40	0.00	64.83	0.00
136	gLCB3	I[138]	-31.06	0.00	-5.77	0.00	-3.85	0.00
136	gLCB4	I[138]	-24.35	0.00	-5.29	0.00	4.88	0.00
136	gLCB5	I[138]	-29.38	0.00	-11.76	0.00	58.39	0.00
136	gLCB6	I[138]	-22.67	0.00	-11.28	0.00	67.12	0.00
136	gLCB7	I[138]	-29.38	0.00	-5.64	0.00	-1.56	0.00
136	gLCB8	I[138]	-22.67	0.00	-5.16	0.00	7.17	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
136	gLCB9	I[138]	-28.83	0.00	-11.75	0.00	58.58	0.00
136	gLCB10	I[138]	-22.12	0.00	-11.27	0.00	67.31	0.00
136	gLCB11	I[138]	-28.83	0.00	-5.63	0.00	-1.37	0.00
136	gLCB12	I[138]	-22.12	0.00	-5.15	0.00	7.36	0.00
136	gLCB13	I[138]	-27.15	0.00	-11.62	0.00	60.87	0.00
136	gLCB14	I[138]	-20.44	0.00	-11.14	0.00	69.61	0.00
136	gLCB15	I[138]	-27.15	0.00	-5.51	0.00	0.92	0.00
136	gLCB16	I[138]	-20.44	0.00	-5.02	0.00	9.66	0.00
136	gLCB17(max)	I[138]	-3.88	0.00	0.16	0.00	2.80	0.00
136	gLCB18(max)	I[138]	0.18	0.00	0.08	0.00	1.40	0.00
136	gLCB19(max)	I[138]	-4.06	0.00	0.08	0.00	1.40	0.00
136	gLCB20(max)	I[138]	0.00	0.00	0.00	0.00	0.00	0.00
136	gLCB21(max)	I[138]	-3.88	0.00	0.16	0.00	2.80	0.00
136	gLCB22(max)	I[138]	0.18	0.00	0.08	0.00	1.40	0.00
136	gLCB23(max)	I[138]	-4.06	0.00	0.08	0.00	1.40	0.00
136	gLCB24(max)	I[138]	0.00	0.00	0.00	0.00	0.00	0.00
136	gLCB17(min)	I[138]	-8.47	0.00	-0.38	0.00	-6.78	0.00
136	gLCB18(min)	I[138]	-4.42	0.00	-0.45	0.00	-8.18	0.00
136	gLCB19(min)	I[138]	-8.65	0.00	-0.45	0.00	-8.18	0.00
136	gLCB20(min)	I[138]	-4.60	0.00	-0.53	0.00	-9.58	0.00
136	gLCB21(min)	I[138]	-10.63	0.00	-0.62	0.00	-11.22	0.00
136	gLCB22(min)	I[138]	-6.58	0.00	-0.70	0.00	-12.62	0.00
136	gLCB23(min)	I[138]	-10.81	0.00	-0.70	0.00	-12.62	0.00
136	gLCB24(min)	I[138]	-6.76	0.00	-0.78	0.00	-14.02	0.00
137	gLCB1	I[137]	-31.06	0.00	-11.89	0.00	-56.10	0.00
137	gLCB2	I[137]	-24.35	0.00	-11.40	0.00	-64.83	0.00
137	gLCB3	I[137]	-31.06	0.00	-5.77	0.00	3.85	0.00
137	gLCB4	I[137]	-24.35	0.00	-5.29	0.00	-4.88	0.00
137	gLCB5	I[137]	-29.38	0.00	-11.76	0.00	-58.39	0.00
137	gLCB6	I[137]	-22.67	0.00	-11.28	0.00	-67.12	0.00
137	gLCB7	I[137]	-29.38	0.00	-5.64	0.00	1.56	0.00
137	gLCB8	I[137]	-22.67	0.00	-5.16	0.00	-7.17	0.00
137	gLCB9	I[137]	-28.83	0.00	-11.75	0.00	-58.58	0.00
137	gLCB10	I[137]	-22.12	0.00	-11.27	0.00	-67.31	0.00
137	gLCB11	I[137]	-28.83	0.00	-5.63	0.00	1.37	0.00
137	gLCB12	I[137]	-22.12	0.00	-5.15	0.00	-7.36	0.00
137	gLCB13	I[137]	-27.15	0.00	-11.62	0.00	-60.87	0.00
137	gLCB14	I[137]	-20.44	0.00	-11.14	0.00	-69.61	0.00
137	gLCB15	I[137]	-27.15	0.00	-5.51	0.00	-0.92	0.00
137	gLCB16	I[137]	-20.44	0.00	-5.02	0.00	-9.66	0.00
137	gLCB17(max)	I[137]	-3.88	0.00	0.16	0.00	6.78	0.00
137	gLCB18(max)	I[137]	-4.06	0.00	0.08	0.00	8.18	0.00
137	gLCB19(max)	I[137]	0.18	0.00	0.08	0.00	8.18	0.00
137	gLCB20(max)	I[137]	0.00	0.00	0.00	0.00	9.58	0.00
137	gLCB21(max)	I[137]	-3.88	0.00	0.16	0.00	11.22	0.00
137	gLCB22(max)	I[137]	-4.06	0.00	0.08	0.00	12.62	0.00
137	gLCB23(max)	I[137]	0.18	0.00	0.08	0.00	12.62	0.00
137	gLCB24(max)	I[137]	0.00	0.00	0.00	0.00	14.02	0.00
137	gLCB17(min)	I[137]	-8.47	0.00	-0.38	0.00	-2.80	0.00
137	gLCB18(min)	I[137]	-8.65	0.00	-0.45	0.00	-1.40	0.00
137	gLCB19(min)	I[137]	-4.42	0.00	-0.45	0.00	-1.40	0.00
137	gLCB20(min)	I[137]	-4.60	0.00	-0.53	0.00	0.00	0.00
137	gLCB21(min)	I[137]	-10.63	0.00	-0.62	0.00	-2.80	0.00
137	gLCB22(min)	I[137]	-10.81	0.00	-0.70	0.00	-1.40	0.00
137	gLCB23(min)	I[137]	-6.58	0.00	-0.70	0.00	-1.40	0.00
137	gLCB24(min)	I[137]	-6.76	0.00	-0.78	0.00	0.00	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
138	gLCB1	I[140]	-30.69	0.00	-13.04	0.00	43.62	0.00
138	gLCB2	I[140]	-23.97	0.00	-12.55	0.00	52.84	0.00
138	gLCB3	I[140]	-30.69	0.00	-6.20	0.00	-9.84	0.00
138	gLCB4	I[140]	-23.97	0.00	-5.71	0.00	-0.62	0.00
138	gLCB5	I[140]	-29.00	0.00	-12.91	0.00	46.05	0.00
138	gLCB6	I[140]	-22.29	0.00	-12.43	0.00	55.26	0.00
138	gLCB7	I[140]	-29.00	0.00	-6.07	0.00	-7.42	0.00
138	gLCB8	I[140]	-22.29	0.00	-5.59	0.00	1.80	0.00
138	gLCB9	I[140]	-28.56	0.00	-12.90	0.00	46.25	0.00
138	gLCB10	I[140]	-21.85	0.00	-12.42	0.00	55.47	0.00
138	gLCB11	I[140]	-28.56	0.00	-6.06	0.00	-7.22	0.00
138	gLCB12	I[140]	-21.85	0.00	-5.57	0.00	2.00	0.00
138	gLCB13	I[140]	-26.88	0.00	-12.77	0.00	48.67	0.00
138	gLCB14	I[140]	-20.17	0.00	-12.29	0.00	57.89	0.00
138	gLCB15	I[140]	-26.88	0.00	-5.93	0.00	-4.80	0.00
138	gLCB16	I[140]	-20.17	0.00	-5.45	0.00	4.42	0.00
138	gLCB17(max)	I[140]	-3.88	0.00	0.16	0.00	2.96	0.00
138	gLCB18(max)	I[140]	0.18	0.00	0.08	0.00	1.48	0.00
138	gLCB19(max)	I[140]	-4.06	0.00	0.08	0.00	1.48	0.00
138	gLCB20(max)	I[140]	0.00	0.00	0.00	0.00	0.00	0.00
138	gLCB21(max)	I[140]	-3.88	0.00	0.16	0.00	2.96	0.00
138	gLCB22(max)	I[140]	0.18	0.00	0.08	0.00	1.48	0.00
138	gLCB23(max)	I[140]	-4.06	0.00	0.08	0.00	1.48	0.00
138	gLCB24(max)	I[140]	0.00	0.00	0.00	0.00	0.00	0.00
138	gLCB17(min)	I[140]	-8.47	0.00	-0.38	0.00	-7.15	0.00
138	gLCB18(min)	I[140]	-4.42	0.00	-0.45	0.00	-8.63	0.00
138	gLCB19(min)	I[140]	-8.65	0.00	-0.45	0.00	-8.63	0.00
138	gLCB20(min)	I[140]	-4.60	0.00	-0.53	0.00	-10.11	0.00
138	gLCB21(min)	I[140]	-10.63	0.00	-0.62	0.00	-11.84	0.00
138	gLCB22(min)	I[140]	-6.58	0.00	-0.70	0.00	-13.32	0.00
138	gLCB23(min)	I[140]	-10.81	0.00	-0.70	0.00	-13.32	0.00
138	gLCB24(min)	I[140]	-6.76	0.00	-0.78	0.00	-14.80	0.00
139	gLCB1	I[139]	-30.69	0.00	-13.04	0.00	-43.62	0.00
139	gLCB2	I[139]	-23.97	0.00	-12.55	0.00	-52.84	0.00
139	gLCB3	I[139]	-30.69	0.00	-6.20	0.00	9.84	0.00
139	gLCB4	I[139]	-23.97	0.00	-5.71	0.00	0.62	0.00
139	gLCB5	I[139]	-29.00	0.00	-12.91	0.00	-46.05	0.00
139	gLCB6	I[139]	-22.29	0.00	-12.43	0.00	-55.26	0.00
139	gLCB7	I[139]	-29.00	0.00	-6.07	0.00	7.42	0.00
139	gLCB8	I[139]	-22.29	0.00	-5.59	0.00	-1.80	0.00
139	gLCB9	I[139]	-28.56	0.00	-12.90	0.00	-46.25	0.00
139	gLCB10	I[139]	-21.85	0.00	-12.42	0.00	-55.47	0.00
139	gLCB11	I[139]	-28.56	0.00	-6.06	0.00	7.22	0.00
139	gLCB12	I[139]	-21.85	0.00	-5.57	0.00	-2.00	0.00
139	gLCB13	I[139]	-26.88	0.00	-12.77	0.00	-48.67	0.00
139	gLCB14	I[139]	-20.17	0.00	-12.29	0.00	-57.89	0.00
139	gLCB15	I[139]	-26.88	0.00	-5.93	0.00	4.80	0.00
139	gLCB16	I[139]	-20.17	0.00	-5.45	0.00	-4.42	0.00
139	gLCB17(max)	I[139]	-3.88	0.00	0.16	0.00	7.15	0.00
139	gLCB18(max)	I[139]	-4.06	0.00	0.08	0.00	8.63	0.00
139	gLCB19(max)	I[139]	0.18	0.00	0.08	0.00	8.63	0.00
139	gLCB20(max)	I[139]	0.00	0.00	0.00	0.00	10.11	0.00
139	gLCB21(max)	I[139]	-3.88	0.00	0.16	0.00	11.84	0.00
139	gLCB22(max)	I[139]	-4.06	0.00	0.08	0.00	13.32	0.00
139	gLCB23(max)	I[139]	0.18	0.00	0.08	0.00	13.32	0.00
139	gLCB24(max)	I[139]	0.00	0.00	0.00	0.00	14.80	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
139	gLCB17(min)	I[139]	-8.47	0.00	-0.38	0.00	-2.96	0.00
139	gLCB18(min)	I[139]	-8.65	0.00	-0.45	0.00	-1.48	0.00
139	gLCB19(min)	I[139]	-4.42	0.00	-0.45	0.00	-1.48	0.00
139	gLCB20(min)	I[139]	-4.60	0.00	-0.53	0.00	0.00	0.00
139	gLCB21(min)	I[139]	-10.63	0.00	-0.62	0.00	-2.96	0.00
139	gLCB22(min)	I[139]	-10.81	0.00	-0.70	0.00	-1.48	0.00
139	gLCB23(min)	I[139]	-6.58	0.00	-0.70	0.00	-1.48	0.00
139	gLCB24(min)	I[139]	-6.76	0.00	-0.78	0.00	0.00	0.00
140	gLCB1	I[142]	-30.31	0.00	-14.11	0.00	30.04	0.00
140	gLCB2	I[142]	-23.60	0.00	-13.63	0.00	39.75	0.00
140	gLCB3	I[142]	-30.31	0.00	-6.60	0.00	-16.24	0.00
140	gLCB4	I[142]	-23.60	0.00	-6.11	0.00	-6.54	0.00
140	gLCB5	I[142]	-28.63	0.00	-13.99	0.00	32.59	0.00
140	gLCB6	I[142]	-21.92	0.00	-13.50	0.00	42.29	0.00
140	gLCB7	I[142]	-28.63	0.00	-6.47	0.00	-13.69	0.00
140	gLCB8	I[142]	-21.92	0.00	-5.98	0.00	-3.99	0.00
140	gLCB9	I[142]	-28.29	0.00	-13.97	0.00	32.80	0.00
140	gLCB10	I[142]	-21.58	0.00	-13.49	0.00	42.51	0.00
140	gLCB11	I[142]	-28.29	0.00	-6.46	0.00	-13.48	0.00
140	gLCB12	I[142]	-21.58	0.00	-5.97	0.00	-3.78	0.00
140	gLCB13	I[142]	-26.61	0.00	-13.85	0.00	35.35	0.00
140	gLCB14	I[142]	-19.90	0.00	-13.36	0.00	45.05	0.00
140	gLCB15	I[142]	-26.61	0.00	-6.33	0.00	-10.93	0.00
140	gLCB16	I[142]	-19.90	0.00	-5.84	0.00	-1.23	0.00
140	gLCB17(max)	I[142]	-3.88	0.00	0.16	0.00	3.11	0.00
140	gLCB18(max)	I[142]	0.18	0.00	0.08	0.00	1.56	0.00
140	gLCB19(max)	I[142]	-4.06	0.00	0.08	0.00	1.56	0.00
140	gLCB20(max)	I[142]	0.00	0.00	0.00	0.00	0.00	0.00
140	gLCB21(max)	I[142]	-3.88	0.00	0.16	0.00	3.11	0.00
140	gLCB22(max)	I[142]	0.18	0.00	0.08	0.00	1.56	0.00
140	gLCB23(max)	I[142]	-4.06	0.00	0.08	0.00	1.56	0.00
140	gLCB24(max)	I[142]	0.00	0.00	0.00	0.00	0.00	0.00
140	gLCB17(min)	I[142]	-8.47	0.00	-0.38	0.00	-7.53	0.00
140	gLCB18(min)	I[142]	-4.42	0.00	-0.45	0.00	-9.09	0.00
140	gLCB19(min)	I[142]	-8.65	0.00	-0.45	0.00	-9.09	0.00
140	gLCB20(min)	I[142]	-4.60	0.00	-0.53	0.00	-10.64	0.00
140	gLCB21(min)	I[142]	-10.63	0.00	-0.62	0.00	-12.47	0.00
140	gLCB22(min)	I[142]	-6.58	0.00	-0.70	0.00	-14.02	0.00
140	gLCB23(min)	I[142]	-10.81	0.00	-0.70	0.00	-14.02	0.00
140	gLCB24(min)	I[142]	-6.76	0.00	-0.78	0.00	-15.58	0.00
141	gLCB1	I[141]	-30.31	0.00	-14.11	0.00	-30.04	0.00
141	gLCB2	I[141]	-23.60	0.00	-13.63	0.00	-39.75	0.00
141	gLCB3	I[141]	-30.31	0.00	-6.60	0.00	16.24	0.00
141	gLCB4	I[141]	-23.60	0.00	-6.11	0.00	6.54	0.00
141	gLCB5	I[141]	-28.63	0.00	-13.99	0.00	-32.59	0.00
141	gLCB6	I[141]	-21.92	0.00	-13.50	0.00	-42.29	0.00
141	gLCB7	I[141]	-28.63	0.00	-6.47	0.00	13.69	0.00
141	gLCB8	I[141]	-21.92	0.00	-5.98	0.00	3.99	0.00
141	gLCB9	I[141]	-28.29	0.00	-13.97	0.00	-32.80	0.00
141	gLCB10	I[141]	-21.58	0.00	-13.49	0.00	-42.51	0.00
141	gLCB11	I[141]	-28.29	0.00	-6.46	0.00	13.48	0.00
141	gLCB12	I[141]	-21.58	0.00	-5.97	0.00	3.78	0.00
141	gLCB13	I[141]	-26.61	0.00	-13.85	0.00	-35.35	0.00
141	gLCB14	I[141]	-19.90	0.00	-13.36	0.00	-45.05	0.00
141	gLCB15	I[141]	-26.61	0.00	-6.33	0.00	10.93	0.00
141	gLCB16	I[141]	-19.90	0.00	-5.84	0.00	1.23	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
141	gLCB17(max)	I[141]	-3.88	0.00	0.16	0.00	7.53	0.00
141	gLCB18(max)	I[141]	-4.06	0.00	0.08	0.00	9.09	0.00
141	gLCB19(max)	I[141]	0.18	0.00	0.08	0.00	9.09	0.00
141	gLCB20(max)	I[141]	0.00	0.00	0.00	0.00	10.64	0.00
141	gLCB21(max)	I[141]	-3.88	0.00	0.16	0.00	12.47	0.00
141	gLCB22(max)	I[141]	-4.06	0.00	0.08	0.00	14.02	0.00
141	gLCB23(max)	I[141]	0.18	0.00	0.08	0.00	14.02	0.00
141	gLCB24(max)	I[141]	0.00	0.00	0.00	0.00	15.58	0.00
141	gLCB17(min)	I[141]	-8.47	0.00	-0.38	0.00	-3.11	0.00
141	gLCB18(min)	I[141]	-8.65	0.00	-0.45	0.00	-1.56	0.00
141	gLCB19(min)	I[141]	-4.42	0.00	-0.45	0.00	-1.56	0.00
141	gLCB20(min)	I[141]	-4.60	0.00	-0.53	0.00	0.00	0.00
141	gLCB21(min)	I[141]	-10.63	0.00	-0.62	0.00	-3.11	0.00
141	gLCB22(min)	I[141]	-10.81	0.00	-0.70	0.00	-1.56	0.00
141	gLCB23(min)	I[141]	-6.58	0.00	-0.70	0.00	-1.56	0.00
141	gLCB24(min)	I[141]	-6.76	0.00	-0.78	0.00	0.00	0.00
142	gLCB1	I[144]	-29.94	0.00	-15.11	0.00	15.43	0.00
142	gLCB2	I[144]	-23.22	0.00	-14.62	0.00	25.62	0.00
142	gLCB3	I[144]	-29.94	0.00	-6.96	0.00	-23.02	0.00
142	gLCB4	I[144]	-23.22	0.00	-6.48	0.00	-12.83	0.00
142	gLCB5	I[144]	-28.25	0.00	-14.98	0.00	18.10	0.00
142	gLCB6	I[144]	-21.54	0.00	-14.49	0.00	28.29	0.00
142	gLCB7	I[144]	-28.25	0.00	-6.84	0.00	-20.35	0.00
142	gLCB8	I[144]	-21.54	0.00	-6.35	0.00	-10.16	0.00
142	gLCB9	I[144]	-28.02	0.00	-14.97	0.00	18.32	0.00
142	gLCB10	I[144]	-21.31	0.00	-14.48	0.00	28.51	0.00
142	gLCB11	I[144]	-28.02	0.00	-6.83	0.00	-20.12	0.00
142	gLCB12	I[144]	-21.31	0.00	-6.34	0.00	-9.93	0.00
142	gLCB13	I[144]	-26.34	0.00	-14.84	0.00	21.00	0.00
142	gLCB14	I[144]	-19.63	0.00	-14.35	0.00	31.19	0.00
142	gLCB15	I[144]	-26.34	0.00	-6.70	0.00	-17.45	0.00
142	gLCB16	I[144]	-19.63	0.00	-6.21	0.00	-7.26	0.00
142	gLCB17(max)	I[144]	-3.88	0.00	0.16	0.00	3.27	0.00
142	gLCB18(max)	I[144]	0.18	0.00	0.08	0.00	1.63	0.00
142	gLCB19(max)	I[144]	-4.06	0.00	0.08	0.00	1.63	0.00
142	gLCB20(max)	I[144]	0.00	0.00	0.00	0.00	0.00	0.00
142	gLCB21(max)	I[144]	-3.88	0.00	0.16	0.00	3.27	0.00
142	gLCB22(max)	I[144]	0.18	0.00	0.08	0.00	1.63	0.00
142	gLCB23(max)	I[144]	-4.06	0.00	0.08	0.00	1.63	0.00
142	gLCB24(max)	I[144]	0.00	0.00	0.00	0.00	0.00	0.00
142	gLCB17(min)	I[144]	-8.47	0.00	-0.38	0.00	-7.91	0.00
142	gLCB18(min)	I[144]	-4.42	0.00	-0.45	0.00	-9.54	0.00
142	gLCB19(min)	I[144]	-8.65	0.00	-0.45	0.00	-9.54	0.00
142	gLCB20(min)	I[144]	-4.60	0.00	-0.53	0.00	-11.18	0.00
142	gLCB21(min)	I[144]	-10.63	0.00	-0.62	0.00	-13.09	0.00
142	gLCB22(min)	I[144]	-6.58	0.00	-0.70	0.00	-14.73	0.00
142	gLCB23(min)	I[144]	-10.81	0.00	-0.70	0.00	-14.73	0.00
142	gLCB24(min)	I[144]	-6.76	0.00	-0.78	0.00	-16.36	0.00
143	gLCB1	I[143]	-29.94	0.00	-15.11	0.00	-15.43	0.00
143	gLCB2	I[143]	-23.22	0.00	-14.62	0.00	-25.62	0.00
143	gLCB3	I[143]	-29.94	0.00	-6.96	0.00	23.02	0.00
143	gLCB4	I[143]	-23.22	0.00	-6.48	0.00	12.83	0.00
143	gLCB5	I[143]	-28.25	0.00	-14.98	0.00	-18.10	0.00
143	gLCB6	I[143]	-21.54	0.00	-14.49	0.00	-28.29	0.00
143	gLCB7	I[143]	-28.25	0.00	-6.84	0.00	20.35	0.00
143	gLCB8	I[143]	-21.54	0.00	-6.35	0.00	10.16	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
143	gLCB9	I[143]	-28.02	0.00	-14.97	0.00	-18.32	0.00
143	gLCB10	I[143]	-21.31	0.00	-14.48	0.00	-28.51	0.00
143	gLCB11	I[143]	-28.02	0.00	-6.83	0.00	20.12	0.00
143	gLCB12	I[143]	-21.31	0.00	-6.34	0.00	9.93	0.00
143	gLCB13	I[143]	-26.34	0.00	-14.84	0.00	-21.00	0.00
143	gLCB14	I[143]	-19.63	0.00	-14.35	0.00	-31.19	0.00
143	gLCB15	I[143]	-26.34	0.00	-6.70	0.00	17.45	0.00
143	gLCB16	I[143]	-19.63	0.00	-6.21	0.00	7.26	0.00
143	gLCB17(max)	I[143]	-3.88	0.00	0.16	0.00	7.91	0.00
143	gLCB18(max)	I[143]	-4.06	0.00	0.08	0.00	9.54	0.00
143	gLCB19(max)	I[143]	0.18	0.00	0.08	0.00	9.54	0.00
143	gLCB20(max)	I[143]	0.00	0.00	0.00	0.00	11.18	0.00
143	gLCB21(max)	I[143]	-3.88	0.00	0.16	0.00	13.09	0.00
143	gLCB22(max)	I[143]	-4.06	0.00	0.08	0.00	14.73	0.00
143	gLCB23(max)	I[143]	0.18	0.00	0.08	0.00	14.73	0.00
143	gLCB24(max)	I[143]	0.00	0.00	0.00	0.00	16.36	0.00
143	gLCB17(min)	I[143]	-8.47	0.00	-0.38	0.00	-3.27	0.00
143	gLCB18(min)	I[143]	-8.65	0.00	-0.45	0.00	-1.63	0.00
143	gLCB19(min)	I[143]	-4.42	0.00	-0.45	0.00	-1.63	0.00
143	gLCB20(min)	I[143]	-4.60	0.00	-0.53	0.00	0.00	0.00
143	gLCB21(min)	I[143]	-10.63	0.00	-0.62	0.00	-3.27	0.00
143	gLCB22(min)	I[143]	-10.81	0.00	-0.70	0.00	-1.63	0.00
143	gLCB23(min)	I[143]	-6.58	0.00	-0.70	0.00	-1.63	0.00
143	gLCB24(min)	I[143]	-6.76	0.00	-0.78	0.00	0.00	0.00
144	gLCB1	I[146]	-29.56	0.00	-16.02	0.00	-0.14	0.00
144	gLCB2	I[146]	-22.85	0.00	-15.53	0.00	10.53	0.00
144	gLCB3	I[146]	-29.56	0.00	-7.30	0.00	-30.16	0.00
144	gLCB4	I[146]	-22.85	0.00	-6.82	0.00	-19.48	0.00
144	gLCB5	I[146]	-27.88	0.00	-15.89	0.00	2.66	0.00
144	gLCB6	I[146]	-21.17	0.00	-15.41	0.00	13.34	0.00
144	gLCB7	I[146]	-27.88	0.00	-7.17	0.00	-27.35	0.00
144	gLCB8	I[146]	-21.17	0.00	-6.69	0.00	-16.68	0.00
144	gLCB9	I[146]	-27.75	0.00	-15.88	0.00	2.89	0.00
144	gLCB10	I[146]	-21.04	0.00	-15.40	0.00	13.57	0.00
144	gLCB11	I[146]	-27.75	0.00	-7.16	0.00	-27.12	0.00
144	gLCB12	I[146]	-21.04	0.00	-6.68	0.00	-16.45	0.00
144	gLCB13	I[146]	-26.07	0.00	-15.75	0.00	5.70	0.00
144	gLCB14	I[146]	-19.36	0.00	-15.27	0.00	16.37	0.00
144	gLCB15	I[146]	-26.07	0.00	-7.04	0.00	-24.32	0.00
144	gLCB16	I[146]	-19.36	0.00	-6.55	0.00	-13.64	0.00
144	gLCB17(max)	I[146]	-3.88	0.00	0.16	0.00	3.42	0.00
144	gLCB18(max)	I[146]	0.18	0.00	0.08	0.00	1.71	0.00
144	gLCB19(max)	I[146]	-4.06	0.00	0.08	0.00	1.71	0.00
144	gLCB20(max)	I[146]	0.00	0.00	0.00	0.00	0.00	0.00
144	gLCB21(max)	I[146]	-3.88	0.00	0.16	0.00	3.42	0.00
144	gLCB22(max)	I[146]	0.18	0.00	0.08	0.00	1.71	0.00
144	gLCB23(max)	I[146]	-4.06	0.00	0.08	0.00	1.71	0.00
144	gLCB24(max)	I[146]	0.00	0.00	0.00	0.00	0.00	0.00
144	gLCB17(min)	I[146]	-8.47	0.00	-0.38	0.00	-8.28	0.00
144	gLCB18(min)	I[146]	-4.42	0.00	-0.45	0.00	-10.00	0.00
144	gLCB19(min)	I[146]	-8.65	0.00	-0.45	0.00	-10.00	0.00
144	gLCB20(min)	I[146]	-4.60	0.00	-0.53	0.00	-11.71	0.00
144	gLCB21(min)	I[146]	-10.63	0.00	-0.62	0.00	-13.72	0.00
144	gLCB22(min)	I[146]	-6.58	0.00	-0.70	0.00	-15.43	0.00
144	gLCB23(min)	I[146]	-10.81	0.00	-0.70	0.00	-15.43	0.00
144	gLCB24(min)	I[146]	-6.76	0.00	-0.78	0.00	-17.14	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
145	gLCB1	I[145]	-29.56	0.00	-16.02	0.00	0.14	0.00
145	gLCB2	I[145]	-22.85	0.00	-15.53	0.00	-10.53	0.00
145	gLCB3	I[145]	-29.56	0.00	-7.30	0.00	30.16	0.00
145	gLCB4	I[145]	-22.85	0.00	-6.82	0.00	19.48	0.00
145	gLCB5	I[145]	-27.88	0.00	-15.89	0.00	-2.66	0.00
145	gLCB6	I[145]	-21.17	0.00	-15.41	0.00	-13.34	0.00
145	gLCB7	I[145]	-27.88	0.00	-7.17	0.00	27.35	0.00
145	gLCB8	I[145]	-21.17	0.00	-6.69	0.00	16.68	0.00
145	gLCB9	I[145]	-27.75	0.00	-15.88	0.00	-2.89	0.00
145	gLCB10	I[145]	-21.04	0.00	-15.40	0.00	-13.57	0.00
145	gLCB11	I[145]	-27.75	0.00	-7.16	0.00	27.12	0.00
145	gLCB12	I[145]	-21.04	0.00	-6.68	0.00	16.45	0.00
145	gLCB13	I[145]	-26.07	0.00	-15.75	0.00	-5.70	0.00
145	gLCB14	I[145]	-19.36	0.00	-15.27	0.00	-16.37	0.00
145	gLCB15	I[145]	-26.07	0.00	-7.04	0.00	24.32	0.00
145	gLCB16	I[145]	-19.36	0.00	-6.55	0.00	13.64	0.00
145	gLCB17(max)	I[145]	-3.88	0.00	0.16	0.00	8.28	0.00
145	gLCB18(max)	I[145]	-4.06	0.00	0.08	0.00	10.00	0.00
145	gLCB19(max)	I[145]	0.18	0.00	0.08	0.00	10.00	0.00
145	gLCB20(max)	I[145]	0.00	0.00	0.00	0.00	11.71	0.00
145	gLCB21(max)	I[145]	-3.88	0.00	0.16	0.00	13.72	0.00
145	gLCB22(max)	I[145]	-4.06	0.00	0.08	0.00	15.43	0.00
145	gLCB23(max)	I[145]	0.18	0.00	0.08	0.00	15.43	0.00
145	gLCB24(max)	I[145]	0.00	0.00	0.00	0.00	17.14	0.00
145	gLCB17(min)	I[145]	-8.47	0.00	-0.38	0.00	-3.42	0.00
145	gLCB18(min)	I[145]	-8.65	0.00	-0.45	0.00	-1.71	0.00
145	gLCB19(min)	I[145]	-4.42	0.00	-0.45	0.00	-1.71	0.00
145	gLCB20(min)	I[145]	-4.60	0.00	-0.53	0.00	0.00	0.00
145	gLCB21(min)	I[145]	-10.63	0.00	-0.62	0.00	-3.42	0.00
145	gLCB22(min)	I[145]	-10.81	0.00	-0.70	0.00	-1.71	0.00
145	gLCB23(min)	I[145]	-6.58	0.00	-0.70	0.00	-1.71	0.00
145	gLCB24(min)	I[145]	-6.76	0.00	-0.78	0.00	0.00	0.00
146	gLCB1	I[148]	-29.19	0.00	-16.85	0.00	-16.59	0.00
146	gLCB2	I[148]	-22.47	0.00	-16.37	0.00	-5.43	0.00
146	gLCB3	I[148]	-29.19	0.00	-7.61	0.00	-37.61	0.00
146	gLCB4	I[148]	-22.47	0.00	-7.13	0.00	-26.45	0.00
146	gLCB5	I[148]	-27.50	0.00	-16.73	0.00	-13.66	0.00
146	gLCB6	I[148]	-20.79	0.00	-16.24	0.00	-2.50	0.00
146	gLCB7	I[148]	-27.50	0.00	-7.48	0.00	-34.68	0.00
146	gLCB8	I[148]	-20.79	0.00	-7.00	0.00	-23.52	0.00
146	gLCB9	I[148]	-27.48	0.00	-16.72	0.00	-13.41	0.00
146	gLCB10	I[148]	-20.77	0.00	-16.23	0.00	-2.25	0.00
146	gLCB11	I[148]	-27.48	0.00	-7.47	0.00	-34.44	0.00
146	gLCB12	I[148]	-20.77	0.00	-6.99	0.00	-23.28	0.00
146	gLCB13	I[148]	-25.80	0.00	-16.59	0.00	-10.48	0.00
146	gLCB14	I[148]	-19.09	0.00	-16.10	0.00	0.68	0.00
146	gLCB15	I[148]	-25.80	0.00	-7.35	0.00	-31.51	0.00
146	gLCB16	I[148]	-19.09	0.00	-6.86	0.00	-20.35	0.00
146	gLCB17(max)	I[148]	-3.88	0.00	0.16	0.00	3.58	0.00
146	gLCB18(max)	I[148]	0.18	0.00	0.08	0.00	1.79	0.00
146	gLCB19(max)	I[148]	-4.06	0.00	0.08	0.00	1.79	0.00
146	gLCB20(max)	I[148]	0.00	0.00	0.00	0.00	0.00	0.00
146	gLCB21(max)	I[148]	-3.88	0.00	0.16	0.00	3.58	0.00
146	gLCB22(max)	I[148]	0.18	0.00	0.08	0.00	1.79	0.00
146	gLCB23(max)	I[148]	-4.06	0.00	0.08	0.00	1.79	0.00
146	gLCB24(max)	I[148]	0.00	0.00	0.00	0.00	0.00	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
146	gLCB17(min)	I[148]	-8.47	0.00	-0.38	0.00	-8.66	0.00
146	gLCB18(min)	I[148]	-4.42	0.00	-0.45	0.00	-10.45	0.00
146	gLCB19(min)	I[148]	-8.65	0.00	-0.45	0.00	-10.45	0.00
146	gLCB20(min)	I[148]	-4.60	0.00	-0.53	0.00	-12.24	0.00
146	gLCB21(min)	I[148]	-10.63	0.00	-0.62	0.00	-14.34	0.00
146	gLCB22(min)	I[148]	-6.58	0.00	-0.70	0.00	-16.13	0.00
146	gLCB23(min)	I[148]	-10.81	0.00	-0.70	0.00	-16.13	0.00
146	gLCB24(min)	I[148]	-6.76	0.00	-0.78	0.00	-17.92	0.00
147	gLCB1	I[147]	-29.19	0.00	-16.85	0.00	16.59	0.00
147	gLCB2	I[147]	-22.47	0.00	-16.37	0.00	5.43	0.00
147	gLCB3	I[147]	-29.19	0.00	-7.61	0.00	37.61	0.00
147	gLCB4	I[147]	-22.47	0.00	-7.13	0.00	26.45	0.00
147	gLCB5	I[147]	-27.50	0.00	-16.73	0.00	13.66	0.00
147	gLCB6	I[147]	-20.79	0.00	-16.24	0.00	2.50	0.00
147	gLCB7	I[147]	-27.50	0.00	-7.48	0.00	34.68	0.00
147	gLCB8	I[147]	-20.79	0.00	-7.00	0.00	23.52	0.00
147	gLCB9	I[147]	-27.48	0.00	-16.72	0.00	13.41	0.00
147	gLCB10	I[147]	-20.77	0.00	-16.23	0.00	2.25	0.00
147	gLCB11	I[147]	-27.48	0.00	-7.47	0.00	34.44	0.00
147	gLCB12	I[147]	-20.77	0.00	-6.99	0.00	23.28	0.00
147	gLCB13	I[147]	-25.80	0.00	-16.59	0.00	10.48	0.00
147	gLCB14	I[147]	-19.09	0.00	-16.10	0.00	-0.68	0.00
147	gLCB15	I[147]	-25.80	0.00	-7.35	0.00	31.51	0.00
147	gLCB16	I[147]	-19.09	0.00	-6.86	0.00	20.35	0.00
147	gLCB17(max)	I[147]	-3.88	0.00	0.16	0.00	8.66	0.00
147	gLCB18(max)	I[147]	-4.06	0.00	0.08	0.00	10.45	0.00
147	gLCB19(max)	I[147]	0.18	0.00	0.08	0.00	10.45	0.00
147	gLCB20(max)	I[147]	0.00	0.00	0.00	0.00	12.24	0.00
147	gLCB21(max)	I[147]	-3.88	0.00	0.16	0.00	14.34	0.00
147	gLCB22(max)	I[147]	-4.06	0.00	0.08	0.00	16.13	0.00
147	gLCB23(max)	I[147]	0.18	0.00	0.08	0.00	16.13	0.00
147	gLCB24(max)	I[147]	0.00	0.00	0.00	0.00	17.92	0.00
147	gLCB17(min)	I[147]	-8.47	0.00	-0.38	0.00	-3.58	0.00
147	gLCB18(min)	I[147]	-8.65	0.00	-0.45	0.00	-1.79	0.00
147	gLCB19(min)	I[147]	-4.42	0.00	-0.45	0.00	-1.79	0.00
147	gLCB20(min)	I[147]	-4.60	0.00	-0.53	0.00	0.00	0.00
147	gLCB21(min)	I[147]	-10.63	0.00	-0.62	0.00	-3.58	0.00
147	gLCB22(min)	I[147]	-10.81	0.00	-0.70	0.00	-1.79	0.00
147	gLCB23(min)	I[147]	-6.58	0.00	-0.70	0.00	-1.79	0.00
147	gLCB24(min)	I[147]	-6.76	0.00	-0.78	0.00	0.00	0.00
148	gLCB1	I[150]	-28.81	0.00	-17.61	0.00	-33.82	0.00
148	gLCB2	I[150]	-22.10	0.00	-17.12	0.00	-22.18	0.00
148	gLCB3	I[150]	-28.81	0.00	-7.89	0.00	-45.37	0.00
148	gLCB4	I[150]	-22.10	0.00	-7.40	0.00	-33.72	0.00
148	gLCB5	I[150]	-27.13	0.00	-17.48	0.00	-30.77	0.00
148	gLCB6	I[150]	-20.42	0.00	-17.00	0.00	-19.12	0.00
148	gLCB7	I[150]	-27.13	0.00	-7.76	0.00	-42.31	0.00
148	gLCB8	I[150]	-20.42	0.00	-7.28	0.00	-30.66	0.00
148	gLCB9	I[150]	-27.21	0.00	-17.47	0.00	-30.51	0.00
148	gLCB10	I[150]	-20.50	0.00	-16.99	0.00	-18.87	0.00
148	gLCB11	I[150]	-27.21	0.00	-7.75	0.00	-42.06	0.00
148	gLCB12	I[150]	-20.50	0.00	-7.27	0.00	-30.41	0.00
148	gLCB13	I[150]	-25.53	0.00	-17.34	0.00	-27.45	0.00
148	gLCB14	I[150]	-18.82	0.00	-16.86	0.00	-15.81	0.00
148	gLCB15	I[150]	-25.53	0.00	-7.62	0.00	-39.00	0.00
148	gLCB16	I[150]	-18.82	0.00	-7.14	0.00	-27.35	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
148	gLCB17(max)	I[150]	-3.88	0.00	0.16	0.00	3.74	0.00
148	gLCB18(max)	I[150]	0.18	0.00	0.08	0.00	1.87	0.00
148	gLCB19(max)	I[150]	-4.06	0.00	0.08	0.00	1.87	0.00
148	gLCB20(max)	I[150]	0.00	0.00	0.00	0.00	0.00	0.00
148	gLCB21(max)	I[150]	-3.88	0.00	0.16	0.00	3.74	0.00
148	gLCB22(max)	I[150]	0.18	0.00	0.08	0.00	1.87	0.00
148	gLCB23(max)	I[150]	-4.06	0.00	0.08	0.00	1.87	0.00
148	gLCB24(max)	I[150]	0.00	0.00	0.00	0.00	0.00	0.00
148	gLCB17(min)	I[150]	-8.47	0.00	-0.38	0.00	-9.04	0.00
148	gLCB18(min)	I[150]	-4.42	0.00	-0.45	0.00	-10.90	0.00
148	gLCB19(min)	I[150]	-8.65	0.00	-0.45	0.00	-10.90	0.00
148	gLCB20(min)	I[150]	-4.60	0.00	-0.53	0.00	-12.77	0.00
148	gLCB21(min)	I[150]	-10.63	0.00	-0.62	0.00	-14.96	0.00
148	gLCB22(min)	I[150]	-6.58	0.00	-0.70	0.00	-16.83	0.00
148	gLCB23(min)	I[150]	-10.81	0.00	-0.70	0.00	-16.83	0.00
148	gLCB24(min)	I[150]	-6.76	0.00	-0.78	0.00	-18.70	0.00
149	gLCB1	I[149]	-28.81	0.00	-17.61	0.00	33.82	0.00
149	gLCB2	I[149]	-22.10	0.00	-17.12	0.00	22.18	0.00
149	gLCB3	I[149]	-28.81	0.00	-7.89	0.00	45.37	0.00
149	gLCB4	I[149]	-22.10	0.00	-7.40	0.00	33.72	0.00
149	gLCB5	I[149]	-27.13	0.00	-17.48	0.00	30.77	0.00
149	gLCB6	I[149]	-20.42	0.00	-17.00	0.00	19.12	0.00
149	gLCB7	I[149]	-27.13	0.00	-7.76	0.00	42.31	0.00
149	gLCB8	I[149]	-20.42	0.00	-7.28	0.00	30.66	0.00
149	gLCB9	I[149]	-27.21	0.00	-17.47	0.00	30.51	0.00
149	gLCB10	I[149]	-20.50	0.00	-16.99	0.00	18.87	0.00
149	gLCB11	I[149]	-27.21	0.00	-7.75	0.00	42.06	0.00
149	gLCB12	I[149]	-20.50	0.00	-7.27	0.00	30.41	0.00
149	gLCB13	I[149]	-25.53	0.00	-17.34	0.00	27.45	0.00
149	gLCB14	I[149]	-18.82	0.00	-16.86	0.00	15.81	0.00
149	gLCB15	I[149]	-25.53	0.00	-7.62	0.00	39.00	0.00
149	gLCB16	I[149]	-18.82	0.00	-7.14	0.00	27.35	0.00
149	gLCB17(max)	I[149]	-3.88	0.00	0.16	0.00	9.04	0.00
149	gLCB18(max)	I[149]	-4.06	0.00	0.08	0.00	10.90	0.00
149	gLCB19(max)	I[149]	0.18	0.00	0.08	0.00	10.90	0.00
149	gLCB20(max)	I[149]	0.00	0.00	0.00	0.00	12.77	0.00
149	gLCB21(max)	I[149]	-3.88	0.00	0.16	0.00	14.96	0.00
149	gLCB22(max)	I[149]	-4.06	0.00	0.08	0.00	16.83	0.00
149	gLCB23(max)	I[149]	0.18	0.00	0.08	0.00	16.83	0.00
149	gLCB24(max)	I[149]	0.00	0.00	0.00	0.00	18.70	0.00
149	gLCB17(min)	I[149]	-8.47	0.00	-0.38	0.00	-3.74	0.00
149	gLCB18(min)	I[149]	-8.65	0.00	-0.45	0.00	-1.87	0.00
149	gLCB19(min)	I[149]	-4.42	0.00	-0.45	0.00	-1.87	0.00
149	gLCB20(min)	I[149]	-4.60	0.00	-0.53	0.00	0.00	0.00
149	gLCB21(min)	I[149]	-10.63	0.00	-0.62	0.00	-3.74	0.00
149	gLCB22(min)	I[149]	-10.81	0.00	-0.70	0.00	-1.87	0.00
149	gLCB23(min)	I[149]	-6.58	0.00	-0.70	0.00	-1.87	0.00
149	gLCB24(min)	I[149]	-6.76	0.00	-0.78	0.00	0.00	0.00
150	gLCB1	I[152]	-28.44	0.00	-18.28	0.00	-51.78	0.00
150	gLCB2	I[152]	-21.72	0.00	-17.80	0.00	-39.65	0.00
150	gLCB3	I[152]	-28.44	0.00	-8.14	0.00	-53.38	0.00
150	gLCB4	I[152]	-21.72	0.00	-7.66	0.00	-41.25	0.00
150	gLCB5	I[152]	-26.75	0.00	-18.16	0.00	-48.59	0.00
150	gLCB6	I[152]	-20.04	0.00	-17.67	0.00	-36.46	0.00
150	gLCB7	I[152]	-26.75	0.00	-8.01	0.00	-50.20	0.00
150	gLCB8	I[152]	-20.04	0.00	-7.53	0.00	-38.07	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
150	gLCB9	I[152]	-26.94	0.00	-18.15	0.00	-48.33	0.00
150	gLCB10	I[152]	-20.23	0.00	-17.66	0.00	-36.20	0.00
150	gLCB11	I[152]	-26.94	0.00	-8.00	0.00	-49.94	0.00
150	gLCB12	I[152]	-20.23	0.00	-7.52	0.00	-37.81	0.00
150	gLCB13	I[152]	-25.26	0.00	-18.02	0.00	-45.14	0.00
150	gLCB14	I[152]	-18.55	0.00	-17.53	0.00	-33.01	0.00
150	gLCB15	I[152]	-25.26	0.00	-7.87	0.00	-46.75	0.00
150	gLCB16	I[152]	-18.55	0.00	-7.39	0.00	-34.62	0.00
150	gLCB17(max)	I[152]	-3.88	0.00	0.16	0.00	3.89	0.00
150	gLCB18(max)	I[152]	0.18	0.00	0.08	0.00	1.95	0.00
150	gLCB19(max)	I[152]	-4.06	0.00	0.08	0.00	1.95	0.00
150	gLCB20(max)	I[152]	0.00	0.00	0.00	0.00	0.00	0.00
150	gLCB21(max)	I[152]	-3.88	0.00	0.16	0.00	3.89	0.00
150	gLCB22(max)	I[152]	0.18	0.00	0.08	0.00	1.95	0.00
150	gLCB23(max)	I[152]	-4.06	0.00	0.08	0.00	1.95	0.00
150	gLCB24(max)	I[152]	0.00	0.00	0.00	0.00	0.00	0.00
150	gLCB17(min)	I[152]	-8.47	0.00	-0.38	0.00	-9.41	0.00
150	gLCB18(min)	I[152]	-4.42	0.00	-0.45	0.00	-11.36	0.00
150	gLCB19(min)	I[152]	-8.65	0.00	-0.45	0.00	-11.36	0.00
150	gLCB20(min)	I[152]	-4.60	0.00	-0.53	0.00	-13.30	0.00
150	gLCB21(min)	I[152]	-10.63	0.00	-0.62	0.00	-15.59	0.00
150	gLCB22(min)	I[152]	-6.58	0.00	-0.70	0.00	-17.53	0.00
150	gLCB23(min)	I[152]	-10.81	0.00	-0.70	0.00	-17.53	0.00
150	gLCB24(min)	I[152]	-6.76	0.00	-0.78	0.00	-19.48	0.00
151	gLCB1	I[151]	-28.44	0.00	-18.28	0.00	51.78	0.00
151	gLCB2	I[151]	-21.72	0.00	-17.80	0.00	39.65	0.00
151	gLCB3	I[151]	-28.44	0.00	-8.14	0.00	53.38	0.00
151	gLCB4	I[151]	-21.72	0.00	-7.66	0.00	41.25	0.00
151	gLCB5	I[151]	-26.75	0.00	-18.16	0.00	48.59	0.00
151	gLCB6	I[151]	-20.04	0.00	-17.67	0.00	36.46	0.00
151	gLCB7	I[151]	-26.75	0.00	-8.01	0.00	50.20	0.00
151	gLCB8	I[151]	-20.04	0.00	-7.53	0.00	38.07	0.00
151	gLCB9	I[151]	-26.94	0.00	-18.15	0.00	48.33	0.00
151	gLCB10	I[151]	-20.23	0.00	-17.66	0.00	36.20	0.00
151	gLCB11	I[151]	-26.94	0.00	-8.00	0.00	49.94	0.00
151	gLCB12	I[151]	-20.23	0.00	-7.52	0.00	37.81	0.00
151	gLCB13	I[151]	-25.26	0.00	-18.02	0.00	45.14	0.00
151	gLCB14	I[151]	-18.55	0.00	-17.53	0.00	33.01	0.00
151	gLCB15	I[151]	-25.26	0.00	-7.87	0.00	46.75	0.00
151	gLCB16	I[151]	-18.55	0.00	-7.39	0.00	34.62	0.00
151	gLCB17(max)	I[151]	-3.88	0.00	0.16	0.00	9.41	0.00
151	gLCB18(max)	I[151]	-4.06	0.00	0.08	0.00	11.36	0.00
151	gLCB19(max)	I[151]	0.18	0.00	0.08	0.00	11.36	0.00
151	gLCB20(max)	I[151]	0.00	0.00	0.00	0.00	13.30	0.00
151	gLCB21(max)	I[151]	-3.88	0.00	0.16	0.00	15.59	0.00
151	gLCB22(max)	I[151]	-4.06	0.00	0.08	0.00	17.53	0.00
151	gLCB23(max)	I[151]	0.18	0.00	0.08	0.00	17.53	0.00
151	gLCB24(max)	I[151]	0.00	0.00	0.00	0.00	19.48	0.00
151	gLCB17(min)	I[151]	-8.47	0.00	-0.38	0.00	-3.89	0.00
151	gLCB18(min)	I[151]	-8.65	0.00	-0.45	0.00	-1.95	0.00
151	gLCB19(min)	I[151]	-4.42	0.00	-0.45	0.00	-1.95	0.00
151	gLCB20(min)	I[151]	-4.60	0.00	-0.53	0.00	0.00	0.00
151	gLCB21(min)	I[151]	-10.63	0.00	-0.62	0.00	-3.89	0.00
151	gLCB22(min)	I[151]	-10.81	0.00	-0.70	0.00	-1.95	0.00
151	gLCB23(min)	I[151]	-6.58	0.00	-0.70	0.00	-1.95	0.00
151	gLCB24(min)	I[151]	-6.76	0.00	-0.78	0.00	0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
152	gLCB1	I[154]	-28.15	0.00	-18.75	0.00	-65.98	0.00
152	gLCB2	I[154]	-21.44	0.00	-18.26	0.00	-53.48	0.00
152	gLCB3	I[154]	-28.15	0.00	-8.31	0.00	-59.70	0.00
152	gLCB4	I[154]	-21.44	0.00	-7.83	0.00	-47.19	0.00
152	gLCB5	I[154]	-26.47	0.00	-18.62	0.00	-62.70	0.00
152	gLCB6	I[154]	-19.76	0.00	-18.14	0.00	-50.20	0.00
152	gLCB7	I[154]	-26.47	0.00	-8.19	0.00	-56.41	0.00
152	gLCB8	I[154]	-19.76	0.00	-7.70	0.00	-43.91	0.00
152	gLCB9	I[154]	-26.73	0.00	-18.61	0.00	-62.43	0.00
152	gLCB10	I[154]	-20.02	0.00	-18.13	0.00	-49.92	0.00
152	gLCB11	I[154]	-26.73	0.00	-8.17	0.00	-56.14	0.00
152	gLCB12	I[154]	-20.02	0.00	-7.69	0.00	-43.64	0.00
152	gLCB13	I[154]	-25.05	0.00	-18.48	0.00	-59.14	0.00
152	gLCB14	I[154]	-18.34	0.00	-18.00	0.00	-46.64	0.00
152	gLCB15	I[154]	-25.05	0.00	-8.05	0.00	-52.86	0.00
152	gLCB16	I[154]	-18.34	0.00	-7.56	0.00	-40.36	0.00
152	gLCB17(max)	I[154]	-3.88	0.00	0.16	0.00	4.01	0.00
152	gLCB18(max)	I[154]	0.18	0.00	0.08	0.00	2.01	0.00
152	gLCB19(max)	I[154]	-4.06	0.00	0.08	0.00	2.01	0.00
152	gLCB20(max)	I[154]	0.00	0.00	0.00	0.00	0.00	0.00
152	gLCB21(max)	I[154]	-3.88	0.00	0.16	0.00	4.01	0.00
152	gLCB22(max)	I[154]	0.18	0.00	0.08	0.00	2.01	0.00
152	gLCB23(max)	I[154]	-4.06	0.00	0.08	0.00	2.01	0.00
152	gLCB24(max)	I[154]	0.00	0.00	0.00	0.00	0.00	0.00
152	gLCB17(min)	I[154]	-8.47	0.00	-0.38	0.00	-9.70	0.00
152	gLCB18(min)	I[154]	-4.42	0.00	-0.45	0.00	-11.71	0.00
152	gLCB19(min)	I[154]	-8.65	0.00	-0.45	0.00	-11.71	0.00
152	gLCB20(min)	I[154]	-4.60	0.00	-0.53	0.00	-13.71	0.00
152	gLCB21(min)	I[154]	-10.63	0.00	-0.62	0.00	-16.06	0.00
152	gLCB22(min)	I[154]	-6.58	0.00	-0.70	0.00	-18.07	0.00
152	gLCB23(min)	I[154]	-10.81	0.00	-0.70	0.00	-18.07	0.00
152	gLCB24(min)	I[154]	-6.76	0.00	-0.78	0.00	-20.07	0.00
153	gLCB1	I[153]	-18.24	0.00	-18.75	0.00	78.37	0.00
153	gLCB2	I[153]	-14.11	0.00	-18.26	0.00	62.64	0.00
153	gLCB3	I[153]	-18.24	0.00	-8.31	0.00	72.08	0.00
153	gLCB4	I[153]	-14.11	0.00	-7.83	0.00	56.36	0.00
153	gLCB5	I[153]	-17.17	0.00	-18.62	0.00	74.32	0.00
153	gLCB6	I[153]	-13.04	0.00	-18.14	0.00	58.59	0.00
153	gLCB7	I[153]	-17.17	0.00	-8.19	0.00	68.03	0.00
153	gLCB8	I[153]	-13.04	0.00	-7.70	0.00	52.30	0.00
153	gLCB9	I[153]	-17.13	0.00	-18.61	0.00	74.43	0.00
153	gLCB10	I[153]	-13.00	0.00	-18.13	0.00	58.71	0.00
153	gLCB11	I[153]	-17.13	0.00	-8.17	0.00	68.15	0.00
153	gLCB12	I[153]	-13.00	0.00	-7.69	0.00	52.42	0.00
153	gLCB13	I[153]	-16.06	0.00	-18.48	0.00	70.38	0.00
153	gLCB14	I[153]	-11.93	0.00	-18.00	0.00	54.65	0.00
153	gLCB15	I[153]	-16.06	0.00	-8.05	0.00	64.10	0.00
153	gLCB16	I[153]	-11.93	0.00	-7.56	0.00	48.37	0.00
153	gLCB17(max)	I[153]	0.00	0.00	0.16	0.00	14.55	0.00
153	gLCB18(max)	I[153]	-0.18	0.00	0.08	0.00	16.55	0.00
153	gLCB19(max)	I[153]	0.18	0.00	0.08	0.00	11.71	0.00
153	gLCB20(max)	I[153]	0.00	0.00	0.00	0.00	13.71	0.00
153	gLCB21(max)	I[153]	0.00	0.00	0.16	0.00	20.91	0.00
153	gLCB22(max)	I[153]	-0.18	0.00	0.08	0.00	22.91	0.00
153	gLCB23(max)	I[153]	0.18	0.00	0.08	0.00	18.07	0.00
153	gLCB24(max)	I[153]	0.00	0.00	0.00	0.00	20.07	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
153	gLCB17(min)	I[153]	-4.60	0.00	-0.38	0.00	0.83	0.00	
153	gLCB18(min)	I[153]	-4.77	0.00	-0.45	0.00	2.84	0.00	
153	gLCB19(min)	I[153]	-4.42	0.00	-0.45	0.00	-2.01	0.00	
153	gLCB20(min)	I[153]	-4.60	0.00	-0.53	0.00	0.00	0.00	
153	gLCB21(min)	I[153]	-6.76	0.00	-0.62	0.00	0.83	0.00	
153	gLCB22(min)	I[153]	-6.94	0.00	-0.70	0.00	2.84	0.00	
153	gLCB23(min)	I[153]	-6.58	0.00	-0.70	0.00	-2.01	0.00	
153	gLCB24(min)	I[153]	-6.76	0.00	-0.78	0.00	0.00	0.00	
154	gLCB1	I[183]	-17.99	0.00	-19.11	0.00	-90.98	0.00	
154	gLCB2	I[183]	-13.86	0.00	-18.63	0.00	-74.93	0.00	
154	gLCB3	I[183]	-17.99	0.00	-8.45	0.00	-77.66	0.00	
154	gLCB4	I[183]	-13.86	0.00	-7.96	0.00	-61.61	0.00	
154	gLCB5	I[183]	-16.92	0.00	-18.99	0.00	-86.84	0.00	
154	gLCB6	I[183]	-12.79	0.00	-18.50	0.00	-70.79	0.00	
154	gLCB7	I[183]	-16.92	0.00	-8.32	0.00	-73.53	0.00	
154	gLCB8	I[183]	-12.79	0.00	-7.84	0.00	-57.48	0.00	
154	gLCB9	I[183]	-16.95	0.00	-18.98	0.00	-86.95	0.00	
154	gLCB10	I[183]	-12.82	0.00	-18.49	0.00	-70.90	0.00	
154	gLCB11	I[183]	-16.95	0.00	-8.31	0.00	-73.64	0.00	
154	gLCB12	I[183]	-12.82	0.00	-7.82	0.00	-57.59	0.00	
154	gLCB13	I[183]	-15.88	0.00	-18.85	0.00	-82.82	0.00	
154	gLCB14	I[183]	-11.75	0.00	-18.36	0.00	-66.77	0.00	
154	gLCB15	I[183]	-15.88	0.00	-8.18	0.00	-69.50	0.00	
154	gLCB16	I[183]	-11.75	0.00	-7.70	0.00	-53.45	0.00	
154	gLCB17(max)	I[183]	0.00	0.00	0.16	0.00	-0.73	0.00	
154	gLCB18(max)	I[183]	0.18	0.00	0.08	0.00	2.06	0.00	
154	gLCB19(max)	I[183]	-0.18	0.00	0.08	0.00	-2.79	0.00	
154	gLCB20(max)	I[183]	0.00	0.00	0.00	0.00	0.00	0.00	
154	gLCB21(max)	I[183]	0.00	0.00	0.16	0.00	-0.73	0.00	
154	gLCB22(max)	I[183]	0.18	0.00	0.08	0.00	2.06	0.00	
154	gLCB23(max)	I[183]	-0.18	0.00	0.08	0.00	-2.79	0.00	
154	gLCB24(max)	I[183]	0.00	0.00	0.00	0.00	0.00	0.00	
154	gLCB17(min)	I[183]	-4.60	0.00	-0.38	0.00	-14.80	0.00	
154	gLCB18(min)	I[183]	-4.42	0.00	-0.45	0.00	-12.01	0.00	
154	gLCB19(min)	I[183]	-4.77	0.00	-0.45	0.00	-16.85	0.00	
154	gLCB20(min)	I[183]	-4.60	0.00	-0.53	0.00	-14.07	0.00	
154	gLCB21(min)	I[183]	-6.76	0.00	-0.62	0.00	-21.32	0.00	
154	gLCB22(min)	I[183]	-6.58	0.00	-0.70	0.00	-18.54	0.00	
154	gLCB23(min)	I[183]	-6.94	0.00	-0.70	0.00	-23.38	0.00	
154	gLCB24(min)	I[183]	-6.76	0.00	-0.78	0.00	-20.59	0.00	
155	gLCB1	I[155]	-19.11	0.00	-17.99	0.00	-90.98	0.00	Top Slab Max. Soil, Max DL Pu
155	gLCB2	I[155]	-18.63	0.00	-13.86	0.00	-74.93	0.00	
155	gLCB3	I[155]	-8.45	0.00	-17.99	0.00	-77.66	0.00	
155	gLCB4	I[155]	-7.96	0.00	-13.86	0.00	-61.61	0.00	
155	gLCB5	I[155]	-18.99	0.00	-16.92	0.00	-86.84	0.00	
155	gLCB6	I[155]	-18.50	0.00	-12.79	0.00	-70.79	0.00	
155	gLCB7	I[155]	-8.32	0.00	-16.92	0.00	-73.53	0.00	
155	gLCB8	I[155]	-7.84	0.00	-12.79	0.00	-57.48	0.00	
155	gLCB9	I[155]	-18.98	0.00	-16.95	0.00	-86.95	0.00	
155	gLCB10	I[155]	-18.49	0.00	-12.82	0.00	-70.90	0.00	
155	gLCB11	I[155]	-8.31	0.00	-16.95	0.00	-73.64	0.00	
155	gLCB12	I[155]	-7.82	0.00	-12.82	0.00	-57.59	0.00	
155	gLCB13	I[155]	-18.85	0.00	-15.88	0.00	-82.82	0.00	
155	gLCB14	I[155]	-18.36	0.00	-11.75	0.00	-66.77	0.00	
155	gLCB15	I[155]	-8.18	0.00	-15.88	0.00	-69.50	0.00	
155	gLCB16	I[155]	-7.70	0.00	-11.75	0.00	-53.45	0.00	

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
155	gLCB17(max)	I[155]	0.16	0.00	0.00	0.00	-0.73	0.00	
155	gLCB18(max)	I[155]	0.08	0.00	-0.18	0.00	-2.79	0.00	
155	gLCB19(max)	I[155]	0.08	0.00	0.18	0.00	2.06	0.00	
155	gLCB20(max)	I[155]	0.00	0.00	0.00	0.00	0.00	0.00	
155	gLCB21(max)	I[155]	0.16	0.00	0.00	0.00	-0.73	0.00	
155	gLCB22(max)	I[155]	0.08	0.00	-0.18	0.00	-2.79	0.00	
155	gLCB23(max)	I[155]	0.08	0.00	0.18	0.00	2.06	0.00	
155	gLCB24(max)	I[155]	0.00	0.00	0.00	0.00	0.00	0.00	
155	gLCB17(min)	I[155]	-0.38	0.00	-4.60	0.00	-14.80	0.00	
155	gLCB18(min)	I[155]	-0.45	0.00	-4.77	0.00	-16.85	0.00	
155	gLCB19(min)	I[155]	-0.45	0.00	-4.42	0.00	-12.01	0.00	
155	gLCB20(min)	I[155]	-0.53	0.00	-4.60	0.00	-14.07	0.00	
155	gLCB21(min)	I[155]	-0.62	0.00	-6.76	0.00	-21.32	0.00	
155	gLCB22(min)	I[155]	-0.70	0.00	-6.94	0.00	-23.38	0.00	
155	gLCB23(min)	I[155]	-0.70	0.00	-6.58	0.00	-18.54	0.00	
155	gLCB24(min)	I[155]	-0.78	0.00	-6.76	0.00	-20.59	0.00	
156	gLCB1	I[156]	-19.11	0.00	-16.67	0.00	-73.65	0.00	
156	gLCB2	I[156]	-18.63	0.00	-12.85	0.00	-61.58	0.00	
156	gLCB3	I[156]	-8.45	0.00	-16.67	0.00	-60.33	0.00	
156	gLCB4	I[156]	-7.96	0.00	-12.85	0.00	-48.26	0.00	
156	gLCB5	I[156]	-18.99	0.00	-15.68	0.00	-70.54	0.00	
156	gLCB6	I[156]	-18.50	0.00	-11.86	0.00	-58.47	0.00	
156	gLCB7	I[156]	-8.32	0.00	-15.68	0.00	-57.23	0.00	
156	gLCB8	I[156]	-7.84	0.00	-11.86	0.00	-45.15	0.00	
156	gLCB9	I[156]	-18.98	0.00	-15.70	0.00	-70.63	0.00	
156	gLCB10	I[156]	-18.49	0.00	-11.88	0.00	-58.55	0.00	
156	gLCB11	I[156]	-8.31	0.00	-15.70	0.00	-57.31	0.00	
156	gLCB12	I[156]	-7.82	0.00	-11.88	0.00	-45.24	0.00	
156	gLCB13	I[156]	-18.85	0.00	-14.72	0.00	-67.52	0.00	
156	gLCB14	I[156]	-18.36	0.00	-10.89	0.00	-55.44	0.00	
156	gLCB15	I[156]	-8.18	0.00	-14.72	0.00	-54.20	0.00	
156	gLCB16	I[156]	-7.70	0.00	-10.89	0.00	-42.13	0.00	
156	gLCB17(max)	I[156]	0.16	0.00	0.02	0.00	-0.30	0.00	
156	gLCB18(max)	I[156]	0.08	0.00	-0.16	0.00	-2.18	0.00	
156	gLCB19(max)	I[156]	0.08	0.00	0.20	0.00	2.30	0.00	
156	gLCB20(max)	I[156]	0.00	0.00	0.02	0.00	0.43	0.00	
156	gLCB21(max)	I[156]	0.16	0.00	0.03	0.00	-0.18	0.00	
156	gLCB22(max)	I[156]	0.08	0.00	-0.15	0.00	-2.06	0.00	
156	gLCB23(max)	I[156]	0.08	0.00	0.21	0.00	2.42	0.00	
156	gLCB24(max)	I[156]	0.00	0.00	0.03	0.00	0.55	0.00	
156	gLCB17(min)	I[156]	-0.38	0.00	-4.33	0.00	-11.43	0.00	
156	gLCB18(min)	I[156]	-0.45	0.00	-4.51	0.00	-13.31	0.00	
156	gLCB19(min)	I[156]	-0.45	0.00	-4.16	0.00	-8.83	0.00	
156	gLCB20(min)	I[156]	-0.53	0.00	-4.33	0.00	-10.70	0.00	
156	gLCB21(min)	I[156]	-0.62	0.00	-6.38	0.00	-17.46	0.00	
156	gLCB22(min)	I[156]	-0.70	0.00	-6.56	0.00	-19.33	0.00	
156	gLCB23(min)	I[156]	-0.70	0.00	-6.20	0.00	-14.85	0.00	
156	gLCB24(min)	I[156]	-0.78	0.00	-6.38	0.00	-16.73	0.00	
157	gLCB1	I[157]	-19.11	0.00	-15.35	0.00	-57.64	0.00	Top Slab
157	gLCB2	I[157]	-18.63	0.00	-11.83	0.00	-49.24	0.00	Max. Soil
157	gLCB3	I[157]	-8.45	0.00	-15.35	0.00	-44.32	0.00	Max DL
157	gLCB4	I[157]	-7.96	0.00	-11.83	0.00	-35.92	0.00	
157	gLCB5	I[157]	-18.99	0.00	-14.44	0.00	-55.48	0.00	
157	gLCB6	I[157]	-18.50	0.00	-10.92	0.00	-47.08	0.00	
157	gLCB7	I[157]	-8.32	0.00	-14.44	0.00	-42.16	0.00	
157	gLCB8	I[157]	-7.84	0.00	-10.92	0.00	-33.76	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
157	gLCB9	I[157]	-18.98	0.00	-14.46	0.00	-55.54	0.00	
157	gLCB10	I[157]	-18.49	0.00	-10.94	0.00	-47.14	0.00	
157	gLCB11	I[157]	-8.31	0.00	-14.46	0.00	-42.23	0.00	
157	gLCB12	I[157]	-7.82	0.00	-10.94	0.00	-33.83	0.00	
157	gLCB13	I[157]	-18.85	0.00	-13.55	0.00	-53.38	0.00	
157	gLCB14	I[157]	-18.36	0.00	-10.03	0.00	-44.98	0.00	
157	gLCB15	I[157]	-8.18	0.00	-13.55	0.00	-40.07	0.00	
157	gLCB16	I[157]	-7.70	0.00	-10.03	0.00	-31.67	0.00	
157	gLCB17(max)	I[157]	0.16	0.00	0.06	0.00	0.80	0.00	
157	gLCB18(max)	I[157]	0.08	0.00	-0.12	0.00	-0.90	0.00	
157	gLCB19(max)	I[157]	0.08	0.00	0.24	0.00	3.23	0.00	
157	gLCB20(max)	I[157]	0.00	0.00	0.06	0.00	1.53	0.00	
157	gLCB21(max)	I[157]	0.16	0.00	0.09	0.00	1.18	0.00	
157	gLCB22(max)	I[157]	0.08	0.00	-0.09	0.00	-0.51	0.00	
157	gLCB23(max)	I[157]	0.08	0.00	0.27	0.00	3.61	0.00	
157	gLCB24(max)	I[157]	0.00	0.00	0.09	0.00	1.91	0.00	
157	gLCB17(min)	I[157]	-0.38	0.00	-4.07	0.00	-8.51	0.00	Top Slab
157	gLCB18(min)	I[157]	-0.45	0.00	-4.25	0.00	-10.20	0.00	Max. Soil
157	gLCB19(min)	I[157]	-0.45	0.00	-3.89	0.00	-6.08	0.00	Max EV2
157	gLCB20(min)	I[157]	-0.53	0.00	-4.07	0.00	-7.78	0.00	
157	gLCB21(min)	I[157]	-0.62	0.00	-6.01	0.00	-14.16	0.00	Top Slab
157	gLCB22(min)	I[157]	-0.70	0.00	-6.19	0.00	-15.86	0.00	Max. Soil
157	gLCB23(min)	I[157]	-0.70	0.00	-5.83	0.00	-11.73	0.00	Max EV3
157	gLCB24(min)	I[157]	-0.78	0.00	-6.01	0.00	-13.43	0.00	
158	gLCB1	I[158]	-19.11	0.00	-14.03	0.00	-42.95	0.00	
158	gLCB2	I[158]	-18.63	0.00	-10.81	0.00	-37.92	0.00	
158	gLCB3	I[158]	-8.45	0.00	-14.03	0.00	-29.64	0.00	
158	gLCB4	I[158]	-7.96	0.00	-10.81	0.00	-24.60	0.00	
158	gLCB5	I[158]	-18.99	0.00	-13.20	0.00	-41.66	0.00	
158	gLCB6	I[158]	-18.50	0.00	-9.98	0.00	-36.63	0.00	
158	gLCB7	I[158]	-8.32	0.00	-13.20	0.00	-28.35	0.00	
158	gLCB8	I[158]	-7.84	0.00	-9.98	0.00	-23.31	0.00	
158	gLCB9	I[158]	-18.98	0.00	-13.21	0.00	-41.71	0.00	
158	gLCB10	I[158]	-18.49	0.00	-9.99	0.00	-36.68	0.00	
158	gLCB11	I[158]	-8.31	0.00	-13.21	0.00	-28.40	0.00	
158	gLCB12	I[158]	-7.82	0.00	-9.99	0.00	-23.36	0.00	
158	gLCB13	I[158]	-18.85	0.00	-12.38	0.00	-40.42	0.00	
158	gLCB14	I[158]	-18.36	0.00	-9.16	0.00	-35.39	0.00	
158	gLCB15	I[158]	-8.18	0.00	-12.38	0.00	-27.11	0.00	
158	gLCB16	I[158]	-7.70	0.00	-9.16	0.00	-22.07	0.00	
158	gLCB17(max)	I[158]	0.16	0.00	0.13	0.00	2.44	0.00	
158	gLCB18(max)	I[158]	0.08	0.00	-0.05	0.00	0.92	0.00	
158	gLCB19(max)	I[158]	0.08	0.00	0.30	0.00	4.68	0.00	
158	gLCB20(max)	I[158]	0.00	0.00	0.13	0.00	3.17	0.00	
158	gLCB21(max)	I[158]	0.16	0.00	0.17	0.00	3.23	0.00	
158	gLCB22(max)	I[158]	0.08	0.00	-0.01	0.00	1.71	0.00	
158	gLCB23(max)	I[158]	0.08	0.00	0.35	0.00	5.48	0.00	
158	gLCB24(max)	I[158]	0.00	0.00	0.17	0.00	3.96	0.00	
158	gLCB17(min)	I[158]	-0.38	0.00	-3.81	0.00	-6.73	0.00	
158	gLCB18(min)	I[158]	-0.45	0.00	-3.99	0.00	-8.25	0.00	
158	gLCB19(min)	I[158]	-0.45	0.00	-3.63	0.00	-4.48	0.00	
158	gLCB20(min)	I[158]	-0.53	0.00	-3.81	0.00	-6.00	0.00	
158	gLCB21(min)	I[158]	-0.62	0.00	-5.64	0.00	-11.20	0.00	
158	gLCB22(min)	I[158]	-0.70	0.00	-5.81	0.00	-12.72	0.00	
158	gLCB23(min)	I[158]	-0.70	0.00	-5.46	0.00	-8.96	0.00	
158	gLCB24(min)	I[158]	-0.78	0.00	-5.64	0.00	-10.47	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
159	gLCB1	I[159]	-19.11	0.00	-12.70	0.00	-29.59	0.00
159	gLCB2	I[159]	-18.63	0.00	-9.79	0.00	-27.61	0.00
159	gLCB3	I[159]	-8.45	0.00	-12.70	0.00	-16.27	0.00
159	gLCB4	I[159]	-7.96	0.00	-9.79	0.00	-14.30	0.00
159	gLCB5	I[159]	-18.99	0.00	-11.95	0.00	-29.09	0.00
159	gLCB6	I[159]	-18.50	0.00	-9.04	0.00	-27.11	0.00
159	gLCB7	I[159]	-8.32	0.00	-11.95	0.00	-15.77	0.00
159	gLCB8	I[159]	-7.84	0.00	-9.04	0.00	-13.80	0.00
159	gLCB9	I[159]	-18.98	0.00	-11.96	0.00	-29.13	0.00
159	gLCB10	I[159]	-18.49	0.00	-9.05	0.00	-27.16	0.00
159	gLCB11	I[159]	-8.31	0.00	-11.96	0.00	-15.81	0.00
159	gLCB12	I[159]	-7.82	0.00	-9.05	0.00	-13.84	0.00
159	gLCB13	I[159]	-18.85	0.00	-11.21	0.00	-28.63	0.00
159	gLCB14	I[159]	-18.36	0.00	-8.30	0.00	-26.66	0.00
159	gLCB15	I[159]	-8.18	0.00	-11.21	0.00	-15.31	0.00
159	gLCB16	I[159]	-7.70	0.00	-8.30	0.00	-13.34	0.00
159	gLCB17(max)	I[159]	0.16	0.00	0.21	0.00	4.19	0.00
159	gLCB18(max)	I[159]	0.08	0.00	0.03	0.00	2.85	0.00
159	gLCB19(max)	I[159]	0.08	0.00	0.39	0.00	6.26	0.00
159	gLCB20(max)	I[159]	0.00	0.00	0.21	0.00	4.92	0.00
159	gLCB21(max)	I[159]	0.16	0.00	0.28	0.00	5.80	0.00
159	gLCB22(max)	I[159]	0.08	0.00	0.10	0.00	4.46	0.00
159	gLCB23(max)	I[159]	0.08	0.00	0.46	0.00	7.86	0.00
159	gLCB24(max)	I[159]	0.00	0.00	0.28	0.00	6.53	0.00
159	gLCB17(min)	I[159]	-0.38	0.00	-3.55	0.00	-5.31	0.00
159	gLCB18(min)	I[159]	-0.45	0.00	-3.73	0.00	-6.65	0.00
159	gLCB19(min)	I[159]	-0.45	0.00	-3.37	0.00	-3.24	0.00
159	gLCB20(min)	I[159]	-0.53	0.00	-3.55	0.00	-4.58	0.00
159	gLCB21(min)	I[159]	-0.62	0.00	-5.26	0.00	-8.58	0.00
159	gLCB22(min)	I[159]	-0.70	0.00	-5.44	0.00	-9.92	0.00
159	gLCB23(min)	I[159]	-0.70	0.00	-5.08	0.00	-6.51	0.00
159	gLCB24(min)	I[159]	-0.78	0.00	-5.26	0.00	-7.85	0.00
160	gLCB1	I[160]	-19.11	0.00	-11.37	0.00	-17.55	0.00
160	gLCB2	I[160]	-18.63	0.00	-8.77	0.00	-18.33	0.00
160	gLCB3	I[160]	-8.45	0.00	-11.37	0.00	-4.24	0.00
160	gLCB4	I[160]	-7.96	0.00	-8.77	0.00	-5.02	0.00
160	gLCB5	I[160]	-18.99	0.00	-10.70	0.00	-17.76	0.00
160	gLCB6	I[160]	-18.50	0.00	-8.10	0.00	-18.54	0.00
160	gLCB7	I[160]	-8.32	0.00	-10.70	0.00	-4.45	0.00
160	gLCB8	I[160]	-7.84	0.00	-8.10	0.00	-5.23	0.00
160	gLCB9	I[160]	-18.98	0.00	-10.71	0.00	-17.80	0.00
160	gLCB10	I[160]	-18.49	0.00	-8.10	0.00	-18.58	0.00
160	gLCB11	I[160]	-8.31	0.00	-10.71	0.00	-4.48	0.00
160	gLCB12	I[160]	-7.82	0.00	-8.10	0.00	-5.26	0.00
160	gLCB13	I[160]	-18.85	0.00	-10.03	0.00	-18.01	0.00
160	gLCB14	I[160]	-18.36	0.00	-7.43	0.00	-18.79	0.00
160	gLCB15	I[160]	-8.18	0.00	-10.03	0.00	-4.69	0.00
160	gLCB16	I[160]	-7.70	0.00	-7.43	0.00	-5.47	0.00
160	gLCB17(max)	I[160]	0.16	0.00	0.32	0.00	5.77	0.00
160	gLCB18(max)	I[160]	0.08	0.00	0.14	0.00	4.61	0.00
160	gLCB19(max)	I[160]	0.08	0.00	0.50	0.00	7.66	0.00
160	gLCB20(max)	I[160]	0.00	0.00	0.32	0.00	6.50	0.00
160	gLCB21(max)	I[160]	0.16	0.00	0.42	0.00	8.57	0.00
160	gLCB22(max)	I[160]	0.08	0.00	0.24	0.00	7.41	0.00
160	gLCB23(max)	I[160]	0.08	0.00	0.60	0.00	10.46	0.00
160	gLCB24(max)	I[160]	0.00	0.00	0.42	0.00	9.30	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
160	gLCB17(min)	I[160]	-0.38	0.00	-3.30	0.00	-4.08	0.00
160	gLCB18(min)	I[160]	-0.45	0.00	-3.48	0.00	-5.24	0.00
160	gLCB19(min)	I[160]	-0.45	0.00	-3.12	0.00	-2.19	0.00
160	gLCB20(min)	I[160]	-0.53	0.00	-3.30	0.00	-3.35	0.00
160	gLCB21(min)	I[160]	-0.62	0.00	-4.91	0.00	-6.30	0.00
160	gLCB22(min)	I[160]	-0.70	0.00	-5.08	0.00	-7.46	0.00
160	gLCB23(min)	I[160]	-0.70	0.00	-4.73	0.00	-4.41	0.00
160	gLCB24(min)	I[160]	-0.78	0.00	-4.91	0.00	-5.57	0.00
161	gLCB1	I[161]	-19.11	0.00	-10.04	0.00	-6.84	0.00
161	gLCB2	I[161]	-18.63	0.00	-7.75	0.00	-10.07	0.00
161	gLCB3	I[161]	-8.45	0.00	-10.04	0.00	6.47	0.00
161	gLCB4	I[161]	-7.96	0.00	-7.75	0.00	3.25	0.00
161	gLCB5	I[161]	-18.99	0.00	-9.45	0.00	-7.69	0.00
161	gLCB6	I[161]	-18.50	0.00	-7.16	0.00	-10.91	0.00
161	gLCB7	I[161]	-8.32	0.00	-9.45	0.00	5.63	0.00
161	gLCB8	I[161]	-7.84	0.00	-7.16	0.00	2.40	0.00
161	gLCB9	I[161]	-18.98	0.00	-9.45	0.00	-7.72	0.00
161	gLCB10	I[161]	-18.49	0.00	-7.16	0.00	-10.95	0.00
161	gLCB11	I[161]	-8.31	0.00	-9.45	0.00	5.60	0.00
161	gLCB12	I[161]	-7.82	0.00	-7.16	0.00	2.37	0.00
161	gLCB13	I[161]	-18.85	0.00	-8.86	0.00	-8.56	0.00
161	gLCB14	I[161]	-18.36	0.00	-6.56	0.00	-11.79	0.00
161	gLCB15	I[161]	-8.18	0.00	-8.86	0.00	4.75	0.00
161	gLCB16	I[161]	-7.70	0.00	-6.56	0.00	1.52	0.00
161	gLCB17(max)	I[161]	0.16	0.00	0.45	0.00	7.17	0.00
161	gLCB18(max)	I[161]	0.08	0.00	0.27	0.00	6.19	0.00
161	gLCB19(max)	I[161]	0.08	0.00	0.63	0.00	8.88	0.00
161	gLCB20(max)	I[161]	0.00	0.00	0.45	0.00	7.90	0.00
161	gLCB21(max)	I[161]	0.16	0.00	0.58	0.00	11.16	0.00
161	gLCB22(max)	I[161]	0.08	0.00	0.40	0.00	10.18	0.00
161	gLCB23(max)	I[161]	0.08	0.00	0.76	0.00	12.87	0.00
161	gLCB24(max)	I[161]	0.00	0.00	0.58	0.00	11.89	0.00
161	gLCB17(min)	I[161]	-0.38	0.00	-3.05	0.00	-3.02	0.00
161	gLCB18(min)	I[161]	-0.45	0.00	-3.23	0.00	-4.00	0.00
161	gLCB19(min)	I[161]	-0.45	0.00	-2.87	0.00	-1.31	0.00
161	gLCB20(min)	I[161]	-0.53	0.00	-3.05	0.00	-2.29	0.00
161	gLCB21(min)	I[161]	-0.62	0.00	-4.56	0.00	-4.35	0.00
161	gLCB22(min)	I[161]	-0.70	0.00	-4.74	0.00	-5.33	0.00
161	gLCB23(min)	I[161]	-0.70	0.00	-4.39	0.00	-2.63	0.00
161	gLCB24(min)	I[161]	-0.78	0.00	-4.56	0.00	-3.62	0.00
162	gLCB1	I[162]	-19.11	0.00	-8.71	0.00	2.54	0.00
162	gLCB2	I[162]	-18.63	0.00	-6.72	0.00	-2.83	0.00
162	gLCB3	I[162]	-8.45	0.00	-8.71	0.00	15.85	0.00
162	gLCB4	I[162]	-7.96	0.00	-6.72	0.00	10.48	0.00
162	gLCB5	I[162]	-18.99	0.00	-8.20	0.00	1.14	0.00
162	gLCB6	I[162]	-18.50	0.00	-6.21	0.00	-4.23	0.00
162	gLCB7	I[162]	-8.32	0.00	-8.20	0.00	14.45	0.00
162	gLCB8	I[162]	-7.84	0.00	-6.21	0.00	9.08	0.00
162	gLCB9	I[162]	-18.98	0.00	-8.20	0.00	1.11	0.00
162	gLCB10	I[162]	-18.49	0.00	-6.21	0.00	-4.26	0.00
162	gLCB11	I[162]	-8.31	0.00	-8.20	0.00	14.42	0.00
162	gLCB12	I[162]	-7.82	0.00	-6.21	0.00	9.05	0.00
162	gLCB13	I[162]	-18.85	0.00	-7.68	0.00	-0.29	0.00
162	gLCB14	I[162]	-18.36	0.00	-5.69	0.00	-5.66	0.00
162	gLCB15	I[162]	-8.18	0.00	-7.68	0.00	13.02	0.00
162	gLCB16	I[162]	-7.70	0.00	-5.69	0.00	7.65	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
162	gLCB17(max)	I[162]	0.16	0.00	0.59	0.00	8.40	0.00
162	gLCB18(max)	I[162]	0.08	0.00	0.41	0.00	7.60	0.00
162	gLCB19(max)	I[162]	0.08	0.00	0.77	0.00	9.93	0.00
162	gLCB20(max)	I[162]	0.00	0.00	0.59	0.00	9.13	0.00
162	gLCB21(max)	I[162]	0.16	0.00	0.77	0.00	13.42	0.00
162	gLCB22(max)	I[162]	0.08	0.00	0.59	0.00	12.62	0.00
162	gLCB23(max)	I[162]	0.08	0.00	0.95	0.00	14.95	0.00
162	gLCB24(max)	I[162]	0.00	0.00	0.77	0.00	14.15	0.00
162	gLCB17(min)	I[162]	-0.38	0.00	-2.80	0.00	-2.15	0.00
162	gLCB18(min)	I[162]	-0.45	0.00	-2.98	0.00	-2.95	0.00
162	gLCB19(min)	I[162]	-0.45	0.00	-2.62	0.00	-0.62	0.00
162	gLCB20(min)	I[162]	-0.53	0.00	-2.80	0.00	-1.42	0.00
162	gLCB21(min)	I[162]	-0.62	0.00	-4.24	0.00	-2.75	0.00
162	gLCB22(min)	I[162]	-0.70	0.00	-4.42	0.00	-3.55	0.00
162	gLCB23(min)	I[162]	-0.70	0.00	-4.06	0.00	-1.22	0.00
162	gLCB24(min)	I[162]	-0.78	0.00	-4.24	0.00	-2.02	0.00
163	gLCB1	I[163]	-19.11	0.00	-7.38	0.00	10.58	0.00
163	gLCB2	I[163]	-18.63	0.00	-5.69	0.00	3.38	0.00
163	gLCB3	I[163]	-8.45	0.00	-7.38	0.00	23.90	0.00
163	gLCB4	I[163]	-7.96	0.00	-5.69	0.00	16.69	0.00
163	gLCB5	I[163]	-18.99	0.00	-6.94	0.00	8.71	0.00
163	gLCB6	I[163]	-18.50	0.00	-5.26	0.00	1.50	0.00
163	gLCB7	I[163]	-8.32	0.00	-6.94	0.00	22.03	0.00
163	gLCB8	I[163]	-7.84	0.00	-5.26	0.00	14.82	0.00
163	gLCB9	I[163]	-18.98	0.00	-6.94	0.00	8.68	0.00
163	gLCB10	I[163]	-18.49	0.00	-5.26	0.00	1.47	0.00
163	gLCB11	I[163]	-8.31	0.00	-6.94	0.00	21.99	0.00
163	gLCB12	I[163]	-7.82	0.00	-5.26	0.00	14.78	0.00
163	gLCB13	I[163]	-18.85	0.00	-6.51	0.00	6.80	0.00
163	gLCB14	I[163]	-18.36	0.00	-4.82	0.00	-0.40	0.00
163	gLCB15	I[163]	-8.18	0.00	-6.51	0.00	20.12	0.00
163	gLCB16	I[163]	-7.70	0.00	-4.82	0.00	12.91	0.00
163	gLCB17(max)	I[163]	0.16	0.00	0.74	0.00	9.45	0.00
163	gLCB18(max)	I[163]	0.08	0.00	0.56	0.00	8.83	0.00
163	gLCB19(max)	I[163]	0.08	0.00	0.91	0.00	10.80	0.00
163	gLCB20(max)	I[163]	0.00	0.00	0.74	0.00	10.18	0.00
163	gLCB21(max)	I[163]	0.16	0.00	0.99	0.00	15.36	0.00
163	gLCB22(max)	I[163]	0.08	0.00	0.81	0.00	14.73	0.00
163	gLCB23(max)	I[163]	0.08	0.00	1.17	0.00	16.71	0.00
163	gLCB24(max)	I[163]	0.00	0.00	0.99	0.00	16.09	0.00
163	gLCB17(min)	I[163]	-0.38	0.00	-2.56	0.00	-1.46	0.00
163	gLCB18(min)	I[163]	-0.45	0.00	-2.74	0.00	-2.08	0.00
163	gLCB19(min)	I[163]	-0.45	0.00	-2.38	0.00	-0.11	0.00
163	gLCB20(min)	I[163]	-0.53	0.00	-2.56	0.00	-0.73	0.00
163	gLCB21(min)	I[163]	-0.62	0.00	-3.93	0.00	-1.66	0.00
163	gLCB22(min)	I[163]	-0.70	0.00	-4.11	0.00	-2.28	0.00
163	gLCB23(min)	I[163]	-0.70	0.00	-3.75	0.00	-0.30	0.00
163	gLCB24(min)	I[163]	-0.78	0.00	-3.93	0.00	-0.93	0.00
164	gLCB1	I[164]	-19.11	0.00	-6.04	0.00	17.29	0.00
164	gLCB2	I[164]	-18.63	0.00	-4.66	0.00	8.55	0.00
164	gLCB3	I[164]	-8.45	0.00	-6.04	0.00	30.61	0.00
164	gLCB4	I[164]	-7.96	0.00	-4.66	0.00	21.87	0.00
164	gLCB5	I[164]	-18.99	0.00	-5.69	0.00	15.02	0.00
164	gLCB6	I[164]	-18.50	0.00	-4.31	0.00	6.29	0.00
164	gLCB7	I[164]	-8.32	0.00	-5.69	0.00	28.34	0.00
164	gLCB8	I[164]	-7.84	0.00	-4.31	0.00	19.60	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
164	gLCB9	I[164]	-18.98	0.00	-5.68	0.00	14.99	0.00
164	gLCB10	I[164]	-18.49	0.00	-4.31	0.00	6.25	0.00
164	gLCB11	I[164]	-8.31	0.00	-5.68	0.00	28.30	0.00
164	gLCB12	I[164]	-7.82	0.00	-4.31	0.00	19.57	0.00
164	gLCB13	I[164]	-18.85	0.00	-5.33	0.00	12.72	0.00
164	gLCB14	I[164]	-18.36	0.00	-3.95	0.00	3.98	0.00
164	gLCB15	I[164]	-8.18	0.00	-5.33	0.00	26.04	0.00
164	gLCB16	I[164]	-7.70	0.00	-3.95	0.00	17.30	0.00
164	gLCB17(max)	I[164]	0.16	0.00	0.88	0.00	10.37	0.00
164	gLCB18(max)	I[164]	0.08	0.00	0.70	0.00	9.92	0.00
164	gLCB19(max)	I[164]	0.08	0.00	1.06	0.00	11.54	0.00
164	gLCB20(max)	I[164]	0.00	0.00	0.88	0.00	11.10	0.00
164	gLCB21(max)	I[164]	0.16	0.00	1.23	0.00	16.96	0.00
164	gLCB22(max)	I[164]	0.08	0.00	1.05	0.00	16.52	0.00
164	gLCB23(max)	I[164]	0.08	0.00	1.41	0.00	18.14	0.00
164	gLCB24(max)	I[164]	0.00	0.00	1.23	0.00	17.69	0.00
164	gLCB17(min)	I[164]	-0.38	0.00	-2.33	0.00	-0.99	0.00
164	gLCB18(min)	I[164]	-0.45	0.00	-2.51	0.00	-1.43	0.00
164	gLCB19(min)	I[164]	-0.45	0.00	-2.15	0.00	0.19	0.00
164	gLCB20(min)	I[164]	-0.53	0.00	-2.33	0.00	-0.26	0.00
164	gLCB21(min)	I[164]	-0.62	0.00	-3.63	0.00	-1.04	0.00
164	gLCB22(min)	I[164]	-0.70	0.00	-3.81	0.00	-1.49	0.00
164	gLCB23(min)	I[164]	-0.70	0.00	-3.45	0.00	0.13	0.00
164	gLCB24(min)	I[164]	-0.78	0.00	-3.63	0.00	-0.32	0.00
165	gLCB1	I[165]	-19.11	0.00	-4.70	0.00	22.66	0.00
165	gLCB2	I[165]	-18.63	0.00	-3.63	0.00	12.70	0.00
165	gLCB3	I[165]	-8.45	0.00	-4.70	0.00	35.98	0.00
165	gLCB4	I[165]	-7.96	0.00	-3.63	0.00	26.02	0.00
165	gLCB5	I[165]	-18.99	0.00	-4.43	0.00	20.08	0.00
165	gLCB6	I[165]	-18.50	0.00	-3.35	0.00	10.12	0.00
165	gLCB7	I[165]	-8.32	0.00	-4.43	0.00	33.40	0.00
165	gLCB8	I[165]	-7.84	0.00	-3.35	0.00	23.44	0.00
165	gLCB9	I[165]	-18.98	0.00	-4.42	0.00	20.04	0.00
165	gLCB10	I[165]	-18.49	0.00	-3.35	0.00	10.08	0.00
165	gLCB11	I[165]	-8.31	0.00	-4.42	0.00	33.35	0.00
165	gLCB12	I[165]	-7.82	0.00	-3.35	0.00	23.39	0.00
165	gLCB13	I[165]	-18.85	0.00	-4.15	0.00	17.46	0.00
165	gLCB14	I[165]	-18.36	0.00	-3.07	0.00	7.50	0.00
165	gLCB15	I[165]	-8.18	0.00	-4.15	0.00	30.77	0.00
165	gLCB16	I[165]	-7.70	0.00	-3.07	0.00	20.81	0.00
165	gLCB17(max)	I[165]	0.16	0.00	1.02	0.00	11.18	0.00
165	gLCB18(max)	I[165]	0.08	0.00	0.84	0.00	10.92	0.00
165	gLCB19(max)	I[165]	0.08	0.00	1.20	0.00	12.17	0.00
165	gLCB20(max)	I[165]	0.00	0.00	1.02	0.00	11.91	0.00
165	gLCB21(max)	I[165]	0.16	0.00	1.49	0.00	18.25	0.00
165	gLCB22(max)	I[165]	0.08	0.00	1.31	0.00	17.99	0.00
165	gLCB23(max)	I[165]	0.08	0.00	1.67	0.00	19.25	0.00
165	gLCB24(max)	I[165]	0.00	0.00	1.49	0.00	18.98	0.00
165	gLCB17(min)	I[165]	-0.38	0.00	-2.13	0.00	-0.78	0.00
165	gLCB18(min)	I[165]	-0.45	0.00	-2.31	0.00	-1.04	0.00
165	gLCB19(min)	I[165]	-0.45	0.00	-1.95	0.00	0.22	0.00
165	gLCB20(min)	I[165]	-0.53	0.00	-2.13	0.00	-0.05	0.00
165	gLCB21(min)	I[165]	-0.62	0.00	-3.35	0.00	-0.79	0.00
165	gLCB22(min)	I[165]	-0.70	0.00	-3.53	0.00	-1.05	0.00
165	gLCB23(min)	I[165]	-0.70	0.00	-3.18	0.00	0.20	0.00
165	gLCB24(min)	I[165]	-0.78	0.00	-3.35	0.00	-0.06	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
166	gLCB1	I[166]	-19.11	0.00	-3.36	0.00	26.70	0.00
166	gLCB2	I[166]	-18.63	0.00	-2.60	0.00	15.82	0.00
166	gLCB3	I[166]	-8.45	0.00	-3.36	0.00	40.01	0.00
166	gLCB4	I[166]	-7.96	0.00	-2.60	0.00	29.13	0.00
166	gLCB5	I[166]	-18.99	0.00	-3.16	0.00	23.88	0.00
166	gLCB6	I[166]	-18.50	0.00	-2.40	0.00	13.00	0.00
166	gLCB7	I[166]	-8.32	0.00	-3.16	0.00	37.19	0.00
166	gLCB8	I[166]	-7.84	0.00	-2.40	0.00	26.31	0.00
166	gLCB9	I[166]	-18.98	0.00	-3.16	0.00	23.83	0.00
166	gLCB10	I[166]	-18.49	0.00	-2.40	0.00	12.95	0.00
166	gLCB11	I[166]	-8.31	0.00	-3.16	0.00	37.15	0.00
166	gLCB12	I[166]	-7.82	0.00	-2.40	0.00	26.27	0.00
166	gLCB13	I[166]	-18.85	0.00	-2.96	0.00	21.01	0.00
166	gLCB14	I[166]	-18.36	0.00	-2.20	0.00	10.13	0.00
166	gLCB15	I[166]	-8.18	0.00	-2.96	0.00	34.33	0.00
166	gLCB16	I[166]	-7.70	0.00	-2.20	0.00	23.45	0.00
166	gLCB17(max)	I[166]	0.16	0.00	1.17	0.00	11.81	0.00
166	gLCB18(max)	I[166]	0.08	0.00	0.99	0.00	11.73	0.00
166	gLCB19(max)	I[166]	0.08	0.00	1.35	0.00	12.62	0.00
166	gLCB20(max)	I[166]	0.00	0.00	1.17	0.00	12.54	0.00
166	gLCB21(max)	I[166]	0.16	0.00	1.76	0.00	19.23	0.00
166	gLCB22(max)	I[166]	0.08	0.00	1.58	0.00	19.15	0.00
166	gLCB23(max)	I[166]	0.08	0.00	1.94	0.00	20.05	0.00
166	gLCB24(max)	I[166]	0.00	0.00	1.76	0.00	19.96	0.00
166	gLCB17(min)	I[166]	-0.38	0.00	-1.94	0.00	-0.73	0.00
166	gLCB18(min)	I[166]	-0.45	0.00	-2.11	0.00	-0.81	0.00
166	gLCB19(min)	I[166]	-0.45	0.00	-1.76	0.00	0.08	0.00
166	gLCB20(min)	I[166]	-0.53	0.00	-1.94	0.00	-0.00	0.00
166	gLCB21(min)	I[166]	-0.62	0.00	-3.09	0.00	-0.73	0.00
166	gLCB22(min)	I[166]	-0.70	0.00	-3.27	0.00	-0.81	0.00
166	gLCB23(min)	I[166]	-0.70	0.00	-2.91	0.00	0.08	0.00
166	gLCB24(min)	I[166]	-0.78	0.00	-3.09	0.00	-0.00	0.00
167	gLCB1	I[167]	-19.11	0.00	-2.02	0.00	29.39	0.00
167	gLCB2	I[167]	-18.63	0.00	-1.56	0.00	17.90	0.00
167	gLCB3	I[167]	-8.45	0.00	-2.02	0.00	42.70	0.00
167	gLCB4	I[167]	-7.96	0.00	-1.56	0.00	31.21	0.00
167	gLCB5	I[167]	-18.99	0.00	-1.90	0.00	26.41	0.00
167	gLCB6	I[167]	-18.50	0.00	-1.44	0.00	14.92	0.00
167	gLCB7	I[167]	-8.32	0.00	-1.90	0.00	39.72	0.00
167	gLCB8	I[167]	-7.84	0.00	-1.44	0.00	28.23	0.00
167	gLCB9	I[167]	-18.98	0.00	-1.90	0.00	26.36	0.00
167	gLCB10	I[167]	-18.49	0.00	-1.44	0.00	14.87	0.00
167	gLCB11	I[167]	-8.31	0.00	-1.90	0.00	39.68	0.00
167	gLCB12	I[167]	-7.82	0.00	-1.44	0.00	28.18	0.00
167	gLCB13	I[167]	-18.85	0.00	-1.78	0.00	23.38	0.00
167	gLCB14	I[167]	-18.36	0.00	-1.32	0.00	11.89	0.00
167	gLCB15	I[167]	-8.18	0.00	-1.78	0.00	36.70	0.00
167	gLCB16	I[167]	-7.70	0.00	-1.32	0.00	25.21	0.00
167	gLCB17(max)	I[167]	0.16	0.00	1.31	0.00	12.19	0.00
167	gLCB18(max)	I[167]	0.08	0.00	1.13	0.00	12.29	0.00
167	gLCB19(max)	I[167]	0.08	0.00	1.49	0.00	12.83	0.00
167	gLCB20(max)	I[167]	0.00	0.00	1.31	0.00	12.92	0.00
167	gLCB21(max)	I[167]	0.16	0.00	2.02	0.00	19.86	0.00
167	gLCB22(max)	I[167]	0.08	0.00	1.84	0.00	19.96	0.00
167	gLCB23(max)	I[167]	0.08	0.00	2.20	0.00	20.50	0.00
167	gLCB24(max)	I[167]	0.00	0.00	2.02	0.00	20.59	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
167	gLCB17(min)	I[167]	-0.38	0.00	-1.76	0.00	-0.73	0.00	
167	gLCB18(min)	I[167]	-0.45	0.00	-1.94	0.00	-0.63	0.00	
167	gLCB19(min)	I[167]	-0.45	0.00	-1.58	0.00	-0.10	0.00	
167	gLCB20(min)	I[167]	-0.53	0.00	-1.76	0.00	0.00	0.00	
167	gLCB21(min)	I[167]	-0.62	0.00	-2.82	0.00	-0.73	0.00	
167	gLCB22(min)	I[167]	-0.70	0.00	-3.00	0.00	-0.63	0.00	
167	gLCB23(min)	I[167]	-0.70	0.00	-2.64	0.00	-0.10	0.00	
167	gLCB24(min)	I[167]	-0.78	0.00	-2.82	0.00	0.00	0.00	
168	gLCB1	I[168]	-19.11	0.00	-0.67	0.00	30.73	0.00	
168	gLCB2	I[168]	-18.63	0.00	-0.52	0.00	18.94	0.00	
168	gLCB3	I[168]	-8.45	0.00	-0.67	0.00	44.05	0.00	
168	gLCB4	I[168]	-7.96	0.00	-0.52	0.00	32.25	0.00	
168	gLCB5	I[168]	-18.99	0.00	-0.63	0.00	27.68	0.00	
168	gLCB6	I[168]	-18.50	0.00	-0.48	0.00	15.88	0.00	
168	gLCB7	I[168]	-8.32	0.00	-0.63	0.00	40.99	0.00	
168	gLCB8	I[168]	-7.84	0.00	-0.48	0.00	29.19	0.00	
168	gLCB9	I[168]	-18.98	0.00	-0.63	0.00	27.63	0.00	
168	gLCB10	I[168]	-18.49	0.00	-0.48	0.00	15.83	0.00	
168	gLCB11	I[168]	-8.31	0.00	-0.63	0.00	40.94	0.00	
168	gLCB12	I[168]	-7.82	0.00	-0.48	0.00	29.14	0.00	
168	gLCB13	I[168]	-18.85	0.00	-0.59	0.00	24.57	0.00	
168	gLCB14	I[168]	-18.36	0.00	-0.44	0.00	12.77	0.00	
168	gLCB15	I[168]	-8.18	0.00	-0.59	0.00	37.88	0.00	
168	gLCB16	I[168]	-7.70	0.00	-0.44	0.00	26.09	0.00	
168	gLCB17(max)	I[168]	0.16	0.00	1.45	0.00	12.32	0.00	
168	gLCB18(max)	I[168]	0.08	0.00	1.27	0.00	12.60	0.00	
168	gLCB19(max)	I[168]	0.08	0.00	1.63	0.00	12.78	0.00	
168	gLCB20(max)	I[168]	0.00	0.00	1.45	0.00	13.05	0.00	
168	gLCB21(max)	I[168]	0.16	0.00	2.29	0.00	20.18	0.00	
168	gLCB22(max)	I[168]	0.08	0.00	2.11	0.00	20.45	0.00	
168	gLCB23(max)	I[168]	0.08	0.00	2.47	0.00	20.63	0.00	
168	gLCB24(max)	I[168]	0.00	0.00	2.29	0.00	20.91	0.00	
168	gLCB17(min)	I[168]	-0.38	0.00	-1.61	0.00	-0.73	0.00	
168	gLCB18(min)	I[168]	-0.45	0.00	-1.78	0.00	-0.45	0.00	
168	gLCB19(min)	I[168]	-0.45	0.00	-1.43	0.00	-0.28	0.00	
168	gLCB20(min)	I[168]	-0.53	0.00	-1.61	0.00	0.00	0.00	
168	gLCB21(min)	I[168]	-0.62	0.00	-2.56	0.00	-0.73	0.00	
168	gLCB22(min)	I[168]	-0.70	0.00	-2.73	0.00	-0.45	0.00	
168	gLCB23(min)	I[168]	-0.70	0.00	-2.38	0.00	-0.28	0.00	
168	gLCB24(min)	I[168]	-0.78	0.00	-2.56	0.00	0.00	0.00	
169	gLCB1	I[169]	-19.11	0.00	0.00	0.00	30.90	0.00	
169	gLCB2	I[169]	-18.63	0.00	0.00	0.00	19.07	0.00	
169	gLCB3	I[169]	-8.45	0.00	0.00	0.00	44.22	0.00	Midspan
169	gLCB4	I[169]	-7.96	0.00	0.00	0.00	32.38	0.00	Max. Soil
169	gLCB5	I[169]	-18.99	0.00	0.00	0.00	27.83	0.00	Max DL
169	gLCB6	I[169]	-18.50	0.00	0.00	0.00	16.00	0.00	
169	gLCB7	I[169]	-8.32	0.00	0.00	0.00	41.15	0.00	
169	gLCB8	I[169]	-7.84	0.00	0.00	0.00	29.31	0.00	
169	gLCB9	I[169]	-18.98	0.00	0.00	0.00	27.78	0.00	
169	gLCB10	I[169]	-18.49	0.00	0.00	0.00	15.95	0.00	
169	gLCB11	I[169]	-8.31	0.00	0.00	0.00	41.10	0.00	
169	gLCB12	I[169]	-7.82	0.00	0.00	0.00	29.26	0.00	
169	gLCB13	I[169]	-18.85	0.00	0.00	0.00	24.72	0.00	
169	gLCB14	I[169]	-18.36	0.00	0.00	0.00	12.88	0.00	
169	gLCB15	I[169]	-8.18	0.00	0.00	0.00	38.03	0.00	
169	gLCB16	I[169]	-7.70	0.00	0.00	0.00	26.20	0.00	

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
169	gLCB17(max)	I[169]	0.16	0.00	1.53	0.00	12.31	0.00	
169	gLCB18(max)	I[169]	0.08	0.00	1.35	0.00	12.67	0.00	
169	gLCB19(max)	I[169]	0.08	0.00	1.71	0.00	12.67	0.00	
169	gLCB20(max)	I[169]	0.00	0.00	1.53	0.00	13.04	0.00	Midspan Max. Soil Max EV2
169	gLCB21(max)	I[169]	0.16	0.00	2.42	0.00	20.20	0.00	
169	gLCB22(max)	I[169]	0.08	0.00	2.24	0.00	20.57	0.00	
169	gLCB23(max)	I[169]	0.08	0.00	2.60	0.00	20.57	0.00	
169	gLCB24(max)	I[169]	0.00	0.00	2.42	0.00	20.93	0.00	Midspan Max. Soil Max EV3
169	gLCB17(min)	I[169]	-0.38	0.00	-1.53	0.00	-0.73	0.00	
169	gLCB18(min)	I[169]	-0.45	0.00	-1.71	0.00	-0.36	0.00	
169	gLCB19(min)	I[169]	-0.45	0.00	-1.35	0.00	-0.36	0.00	
169	gLCB20(min)	I[169]	-0.53	0.00	-1.53	0.00	0.00	0.00	
169	gLCB21(min)	I[169]	-0.62	0.00	-2.42	0.00	-0.73	0.00	
169	gLCB22(min)	I[169]	-0.70	0.00	-2.60	0.00	-0.36	0.00	
169	gLCB23(min)	I[169]	-0.70	0.00	-2.24	0.00	-0.36	0.00	
169	gLCB24(min)	I[169]	-0.78	0.00	-2.42	0.00	0.00	0.00	
170	gLCB1	I[170]	-19.11	0.00	0.67	0.00	30.73	0.00	
170	gLCB2	I[170]	-18.63	0.00	0.52	0.00	18.94	0.00	
170	gLCB3	I[170]	-8.45	0.00	0.67	0.00	44.05	0.00	
170	gLCB4	I[170]	-7.96	0.00	0.52	0.00	32.25	0.00	
170	gLCB5	I[170]	-18.99	0.00	0.63	0.00	27.68	0.00	
170	gLCB6	I[170]	-18.50	0.00	0.48	0.00	15.88	0.00	
170	gLCB7	I[170]	-8.32	0.00	0.63	0.00	40.99	0.00	
170	gLCB8	I[170]	-7.84	0.00	0.48	0.00	29.19	0.00	
170	gLCB9	I[170]	-18.98	0.00	0.63	0.00	27.63	0.00	
170	gLCB10	I[170]	-18.49	0.00	0.48	0.00	15.83	0.00	
170	gLCB11	I[170]	-8.31	0.00	0.63	0.00	40.94	0.00	
170	gLCB12	I[170]	-7.82	0.00	0.48	0.00	29.14	0.00	
170	gLCB13	I[170]	-18.85	0.00	0.59	0.00	24.57	0.00	
170	gLCB14	I[170]	-18.36	0.00	0.44	0.00	12.77	0.00	
170	gLCB15	I[170]	-8.18	0.00	0.59	0.00	37.88	0.00	
170	gLCB16	I[170]	-7.70	0.00	0.44	0.00	26.09	0.00	
170	gLCB17(max)	I[170]	0.16	0.00	1.61	0.00	12.32	0.00	
170	gLCB18(max)	I[170]	0.08	0.00	1.43	0.00	12.78	0.00	
170	gLCB19(max)	I[170]	0.08	0.00	1.78	0.00	12.60	0.00	
170	gLCB20(max)	I[170]	0.00	0.00	1.61	0.00	13.05	0.00	
170	gLCB21(max)	I[170]	0.16	0.00	2.56	0.00	20.18	0.00	
170	gLCB22(max)	I[170]	0.08	0.00	2.38	0.00	20.63	0.00	
170	gLCB23(max)	I[170]	0.08	0.00	2.73	0.00	20.45	0.00	
170	gLCB24(max)	I[170]	0.00	0.00	2.56	0.00	20.91	0.00	
170	gLCB17(min)	I[170]	-0.38	0.00	-1.45	0.00	-0.73	0.00	
170	gLCB18(min)	I[170]	-0.45	0.00	-1.63	0.00	-0.28	0.00	
170	gLCB19(min)	I[170]	-0.45	0.00	-1.27	0.00	-0.45	0.00	
170	gLCB20(min)	I[170]	-0.53	0.00	-1.45	0.00	0.00	0.00	
170	gLCB21(min)	I[170]	-0.62	0.00	-2.29	0.00	-0.73	0.00	
170	gLCB22(min)	I[170]	-0.70	0.00	-2.47	0.00	-0.28	0.00	
170	gLCB23(min)	I[170]	-0.70	0.00	-2.11	0.00	-0.45	0.00	
170	gLCB24(min)	I[170]	-0.78	0.00	-2.29	0.00	0.00	0.00	
171	gLCB1	I[171]	-19.11	0.00	2.02	0.00	29.39	0.00	
171	gLCB2	I[171]	-18.63	0.00	1.56	0.00	17.90	0.00	
171	gLCB3	I[171]	-8.45	0.00	2.02	0.00	42.70	0.00	
171	gLCB4	I[171]	-7.96	0.00	1.56	0.00	31.21	0.00	
171	gLCB5	I[171]	-18.99	0.00	1.90	0.00	26.41	0.00	
171	gLCB6	I[171]	-18.50	0.00	1.44	0.00	14.92	0.00	
171	gLCB7	I[171]	-8.32	0.00	1.90	0.00	39.72	0.00	
171	gLCB8	I[171]	-7.84	0.00	1.44	0.00	28.23	0.00	

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
171	gLCB9	I[171]	-18.98	0.00	1.90	0.00	26.36	0.00
171	gLCB10	I[171]	-18.49	0.00	1.44	0.00	14.87	0.00
171	gLCB11	I[171]	-8.31	0.00	1.90	0.00	39.68	0.00
171	gLCB12	I[171]	-7.82	0.00	1.44	0.00	28.18	0.00
171	gLCB13	I[171]	-18.85	0.00	1.78	0.00	23.38	0.00
171	gLCB14	I[171]	-18.36	0.00	1.32	0.00	11.89	0.00
171	gLCB15	I[171]	-8.18	0.00	1.78	0.00	36.70	0.00
171	gLCB16	I[171]	-7.70	0.00	1.32	0.00	25.21	0.00
171	gLCB17(max)	I[171]	0.16	0.00	1.76	0.00	12.19	0.00
171	gLCB18(max)	I[171]	0.08	0.00	1.58	0.00	12.83	0.00
171	gLCB19(max)	I[171]	0.08	0.00	1.94	0.00	12.29	0.00
171	gLCB20(max)	I[171]	0.00	0.00	1.76	0.00	12.92	0.00
171	gLCB21(max)	I[171]	0.16	0.00	2.82	0.00	19.86	0.00
171	gLCB22(max)	I[171]	0.08	0.00	2.64	0.00	20.50	0.00
171	gLCB23(max)	I[171]	0.08	0.00	3.00	0.00	19.96	0.00
171	gLCB24(max)	I[171]	0.00	0.00	2.82	0.00	20.59	0.00
171	gLCB17(min)	I[171]	-0.38	0.00	-1.31	0.00	-0.73	0.00
171	gLCB18(min)	I[171]	-0.45	0.00	-1.49	0.00	-0.10	0.00
171	gLCB19(min)	I[171]	-0.45	0.00	-1.13	0.00	-0.63	0.00
171	gLCB20(min)	I[171]	-0.53	0.00	-1.31	0.00	0.00	0.00
171	gLCB21(min)	I[171]	-0.62	0.00	-2.02	0.00	-0.73	0.00
171	gLCB22(min)	I[171]	-0.70	0.00	-2.20	0.00	-0.10	0.00
171	gLCB23(min)	I[171]	-0.70	0.00	-1.84	0.00	-0.63	0.00
171	gLCB24(min)	I[171]	-0.78	0.00	-2.02	0.00	0.00	0.00
172	gLCB1	I[172]	-19.11	0.00	3.36	0.00	26.70	0.00
172	gLCB2	I[172]	-18.63	0.00	2.60	0.00	15.82	0.00
172	gLCB3	I[172]	-8.45	0.00	3.36	0.00	40.01	0.00
172	gLCB4	I[172]	-7.96	0.00	2.60	0.00	29.13	0.00
172	gLCB5	I[172]	-18.99	0.00	3.16	0.00	23.88	0.00
172	gLCB6	I[172]	-18.50	0.00	2.40	0.00	13.00	0.00
172	gLCB7	I[172]	-8.32	0.00	3.16	0.00	37.19	0.00
172	gLCB8	I[172]	-7.84	0.00	2.40	0.00	26.31	0.00
172	gLCB9	I[172]	-18.98	0.00	3.16	0.00	23.83	0.00
172	gLCB10	I[172]	-18.49	0.00	2.40	0.00	12.95	0.00
172	gLCB11	I[172]	-8.31	0.00	3.16	0.00	37.15	0.00
172	gLCB12	I[172]	-7.82	0.00	2.40	0.00	26.27	0.00
172	gLCB13	I[172]	-18.85	0.00	2.96	0.00	21.01	0.00
172	gLCB14	I[172]	-18.36	0.00	2.20	0.00	10.13	0.00
172	gLCB15	I[172]	-8.18	0.00	2.96	0.00	34.33	0.00
172	gLCB16	I[172]	-7.70	0.00	2.20	0.00	23.45	0.00
172	gLCB17(max)	I[172]	0.16	0.00	1.94	0.00	11.81	0.00
172	gLCB18(max)	I[172]	0.08	0.00	1.76	0.00	12.62	0.00
172	gLCB19(max)	I[172]	0.08	0.00	2.11	0.00	11.73	0.00
172	gLCB20(max)	I[172]	0.00	0.00	1.94	0.00	12.54	0.00
172	gLCB21(max)	I[172]	0.16	0.00	3.09	0.00	19.23	0.00
172	gLCB22(max)	I[172]	0.08	0.00	2.91	0.00	20.05	0.00
172	gLCB23(max)	I[172]	0.08	0.00	3.27	0.00	19.15	0.00
172	gLCB24(max)	I[172]	0.00	0.00	3.09	0.00	19.96	0.00
172	gLCB17(min)	I[172]	-0.38	0.00	-1.17	0.00	-0.73	0.00
172	gLCB18(min)	I[172]	-0.45	0.00	-1.35	0.00	0.08	0.00
172	gLCB19(min)	I[172]	-0.45	0.00	-0.99	0.00	-0.81	0.00
172	gLCB20(min)	I[172]	-0.53	0.00	-1.17	0.00	-0.00	0.00
172	gLCB21(min)	I[172]	-0.62	0.00	-1.76	0.00	-0.73	0.00
172	gLCB22(min)	I[172]	-0.70	0.00	-1.94	0.00	0.08	0.00
172	gLCB23(min)	I[172]	-0.70	0.00	-1.58	0.00	-0.81	0.00
172	gLCB24(min)	I[172]	-0.78	0.00	-1.76	0.00	-0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
173	gLCB1	I[173]	-19.11	0.00	4.70	0.00	22.66	0.00
173	gLCB2	I[173]	-18.63	0.00	3.63	0.00	12.70	0.00
173	gLCB3	I[173]	-8.45	0.00	4.70	0.00	35.98	0.00
173	gLCB4	I[173]	-7.96	0.00	3.63	0.00	26.02	0.00
173	gLCB5	I[173]	-18.99	0.00	4.43	0.00	20.08	0.00
173	gLCB6	I[173]	-18.50	0.00	3.35	0.00	10.12	0.00
173	gLCB7	I[173]	-8.32	0.00	4.43	0.00	33.40	0.00
173	gLCB8	I[173]	-7.84	0.00	3.35	0.00	23.44	0.00
173	gLCB9	I[173]	-18.98	0.00	4.42	0.00	20.04	0.00
173	gLCB10	I[173]	-18.49	0.00	3.35	0.00	10.08	0.00
173	gLCB11	I[173]	-8.31	0.00	4.42	0.00	33.35	0.00
173	gLCB12	I[173]	-7.82	0.00	3.35	0.00	23.39	0.00
173	gLCB13	I[173]	-18.85	0.00	4.15	0.00	17.46	0.00
173	gLCB14	I[173]	-18.36	0.00	3.07	0.00	7.50	0.00
173	gLCB15	I[173]	-8.18	0.00	4.15	0.00	30.77	0.00
173	gLCB16	I[173]	-7.70	0.00	3.07	0.00	20.81	0.00
173	gLCB17(max)	I[173]	0.16	0.00	2.13	0.00	11.18	0.00
173	gLCB18(max)	I[173]	0.08	0.00	1.95	0.00	12.17	0.00
173	gLCB19(max)	I[173]	0.08	0.00	2.31	0.00	10.92	0.00
173	gLCB20(max)	I[173]	0.00	0.00	2.13	0.00	11.91	0.00
173	gLCB21(max)	I[173]	0.16	0.00	3.35	0.00	18.25	0.00
173	gLCB22(max)	I[173]	0.08	0.00	3.18	0.00	19.25	0.00
173	gLCB23(max)	I[173]	0.08	0.00	3.53	0.00	17.99	0.00
173	gLCB24(max)	I[173]	0.00	0.00	3.35	0.00	18.98	0.00
173	gLCB17(min)	I[173]	-0.38	0.00	-1.02	0.00	-0.78	0.00
173	gLCB18(min)	I[173]	-0.45	0.00	-1.20	0.00	0.22	0.00
173	gLCB19(min)	I[173]	-0.45	0.00	-0.84	0.00	-1.04	0.00
173	gLCB20(min)	I[173]	-0.53	0.00	-1.02	0.00	-0.05	0.00
173	gLCB21(min)	I[173]	-0.62	0.00	-1.49	0.00	-0.79	0.00
173	gLCB22(min)	I[173]	-0.70	0.00	-1.67	0.00	0.20	0.00
173	gLCB23(min)	I[173]	-0.70	0.00	-1.31	0.00	-1.05	0.00
173	gLCB24(min)	I[173]	-0.78	0.00	-1.49	0.00	-0.06	0.00
174	gLCB1	I[174]	-19.11	0.00	6.04	0.00	17.29	0.00
174	gLCB2	I[174]	-18.63	0.00	4.66	0.00	8.55	0.00
174	gLCB3	I[174]	-8.45	0.00	6.04	0.00	30.61	0.00
174	gLCB4	I[174]	-7.96	0.00	4.66	0.00	21.87	0.00
174	gLCB5	I[174]	-18.99	0.00	5.69	0.00	15.02	0.00
174	gLCB6	I[174]	-18.50	0.00	4.31	0.00	6.29	0.00
174	gLCB7	I[174]	-8.32	0.00	5.69	0.00	28.34	0.00
174	gLCB8	I[174]	-7.84	0.00	4.31	0.00	19.60	0.00
174	gLCB9	I[174]	-18.98	0.00	5.68	0.00	14.99	0.00
174	gLCB10	I[174]	-18.49	0.00	4.31	0.00	6.25	0.00
174	gLCB11	I[174]	-8.31	0.00	5.68	0.00	28.30	0.00
174	gLCB12	I[174]	-7.82	0.00	4.31	0.00	19.57	0.00
174	gLCB13	I[174]	-18.85	0.00	5.33	0.00	12.72	0.00
174	gLCB14	I[174]	-18.36	0.00	3.95	0.00	3.98	0.00
174	gLCB15	I[174]	-8.18	0.00	5.33	0.00	26.04	0.00
174	gLCB16	I[174]	-7.70	0.00	3.95	0.00	17.30	0.00
174	gLCB17(max)	I[174]	0.16	0.00	2.33	0.00	10.37	0.00
174	gLCB18(max)	I[174]	0.08	0.00	2.15	0.00	11.54	0.00
174	gLCB19(max)	I[174]	0.08	0.00	2.51	0.00	9.92	0.00
174	gLCB20(max)	I[174]	0.00	0.00	2.33	0.00	11.10	0.00
174	gLCB21(max)	I[174]	0.16	0.00	3.63	0.00	16.96	0.00
174	gLCB22(max)	I[174]	0.08	0.00	3.45	0.00	18.14	0.00
174	gLCB23(max)	I[174]	0.08	0.00	3.81	0.00	16.52	0.00
174	gLCB24(max)	I[174]	0.00	0.00	3.63	0.00	17.69	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
174	gLCB17(min)	I[174]	-0.38	0.00	-0.88	0.00	-0.99	0.00
174	gLCB18(min)	I[174]	-0.45	0.00	-1.06	0.00	0.19	0.00
174	gLCB19(min)	I[174]	-0.45	0.00	-0.70	0.00	-1.43	0.00
174	gLCB20(min)	I[174]	-0.53	0.00	-0.88	0.00	-0.26	0.00
174	gLCB21(min)	I[174]	-0.62	0.00	-1.23	0.00	-1.04	0.00
174	gLCB22(min)	I[174]	-0.70	0.00	-1.41	0.00	0.13	0.00
174	gLCB23(min)	I[174]	-0.70	0.00	-1.05	0.00	-1.49	0.00
174	gLCB24(min)	I[174]	-0.78	0.00	-1.23	0.00	-0.32	0.00
175	gLCB1	I[175]	-19.11	0.00	7.38	0.00	10.58	0.00
175	gLCB2	I[175]	-18.63	0.00	5.69	0.00	3.38	0.00
175	gLCB3	I[175]	-8.45	0.00	7.38	0.00	23.90	0.00
175	gLCB4	I[175]	-7.96	0.00	5.69	0.00	16.69	0.00
175	gLCB5	I[175]	-18.99	0.00	6.94	0.00	8.71	0.00
175	gLCB6	I[175]	-18.50	0.00	5.26	0.00	1.50	0.00
175	gLCB7	I[175]	-8.32	0.00	6.94	0.00	22.03	0.00
175	gLCB8	I[175]	-7.84	0.00	5.26	0.00	14.82	0.00
175	gLCB9	I[175]	-18.98	0.00	6.94	0.00	8.68	0.00
175	gLCB10	I[175]	-18.49	0.00	5.26	0.00	1.47	0.00
175	gLCB11	I[175]	-8.31	0.00	6.94	0.00	21.99	0.00
175	gLCB12	I[175]	-7.82	0.00	5.26	0.00	14.78	0.00
175	gLCB13	I[175]	-18.85	0.00	6.51	0.00	6.80	0.00
175	gLCB14	I[175]	-18.36	0.00	4.82	0.00	-0.40	0.00
175	gLCB15	I[175]	-8.18	0.00	6.51	0.00	20.12	0.00
175	gLCB16	I[175]	-7.70	0.00	4.82	0.00	12.91	0.00
175	gLCB17(max)	I[175]	0.16	0.00	2.56	0.00	9.45	0.00
175	gLCB18(max)	I[175]	0.08	0.00	2.38	0.00	10.80	0.00
175	gLCB19(max)	I[175]	0.08	0.00	2.74	0.00	8.83	0.00
175	gLCB20(max)	I[175]	0.00	0.00	2.56	0.00	10.18	0.00
175	gLCB21(max)	I[175]	0.16	0.00	3.93	0.00	15.36	0.00
175	gLCB22(max)	I[175]	0.08	0.00	3.75	0.00	16.71	0.00
175	gLCB23(max)	I[175]	0.08	0.00	4.11	0.00	14.73	0.00
175	gLCB24(max)	I[175]	0.00	0.00	3.93	0.00	16.09	0.00
175	gLCB17(min)	I[175]	-0.38	0.00	-0.74	0.00	-1.46	0.00
175	gLCB18(min)	I[175]	-0.45	0.00	-0.91	0.00	-0.11	0.00
175	gLCB19(min)	I[175]	-0.45	0.00	-0.56	0.00	-2.08	0.00
175	gLCB20(min)	I[175]	-0.53	0.00	-0.74	0.00	-0.73	0.00
175	gLCB21(min)	I[175]	-0.62	0.00	-0.99	0.00	-1.66	0.00
175	gLCB22(min)	I[175]	-0.70	0.00	-1.17	0.00	-0.30	0.00
175	gLCB23(min)	I[175]	-0.70	0.00	-0.81	0.00	-2.28	0.00
175	gLCB24(min)	I[175]	-0.78	0.00	-0.99	0.00	-0.93	0.00
176	gLCB1	I[176]	-19.11	0.00	8.71	0.00	2.54	0.00
176	gLCB2	I[176]	-18.63	0.00	6.72	0.00	-2.83	0.00
176	gLCB3	I[176]	-8.45	0.00	8.71	0.00	15.85	0.00
176	gLCB4	I[176]	-7.96	0.00	6.72	0.00	10.48	0.00
176	gLCB5	I[176]	-18.99	0.00	8.20	0.00	1.14	0.00
176	gLCB6	I[176]	-18.50	0.00	6.21	0.00	-4.23	0.00
176	gLCB7	I[176]	-8.32	0.00	8.20	0.00	14.45	0.00
176	gLCB8	I[176]	-7.84	0.00	6.21	0.00	9.08	0.00
176	gLCB9	I[176]	-18.98	0.00	8.20	0.00	1.11	0.00
176	gLCB10	I[176]	-18.49	0.00	6.21	0.00	-4.26	0.00
176	gLCB11	I[176]	-8.31	0.00	8.20	0.00	14.42	0.00
176	gLCB12	I[176]	-7.82	0.00	6.21	0.00	9.05	0.00
176	gLCB13	I[176]	-18.85	0.00	7.68	0.00	-0.29	0.00
176	gLCB14	I[176]	-18.36	0.00	5.69	0.00	-5.66	0.00
176	gLCB15	I[176]	-8.18	0.00	7.68	0.00	13.02	0.00
176	gLCB16	I[176]	-7.70	0.00	5.69	0.00	7.65	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
176	gLCB17(max)	I[176]	0.16	0.00	2.80	0.00	8.40	0.00
176	gLCB18(max)	I[176]	0.08	0.00	2.62	0.00	9.93	0.00
176	gLCB19(max)	I[176]	0.08	0.00	2.98	0.00	7.60	0.00
176	gLCB20(max)	I[176]	0.00	0.00	2.80	0.00	9.13	0.00
176	gLCB21(max)	I[176]	0.16	0.00	4.24	0.00	13.42	0.00
176	gLCB22(max)	I[176]	0.08	0.00	4.06	0.00	14.95	0.00
176	gLCB23(max)	I[176]	0.08	0.00	4.42	0.00	12.62	0.00
176	gLCB24(max)	I[176]	0.00	0.00	4.24	0.00	14.15	0.00
176	gLCB17(min)	I[176]	-0.38	0.00	-0.59	0.00	-2.15	0.00
176	gLCB18(min)	I[176]	-0.45	0.00	-0.77	0.00	-0.62	0.00
176	gLCB19(min)	I[176]	-0.45	0.00	-0.41	0.00	-2.95	0.00
176	gLCB20(min)	I[176]	-0.53	0.00	-0.59	0.00	-1.42	0.00
176	gLCB21(min)	I[176]	-0.62	0.00	-0.77	0.00	-2.75	0.00
176	gLCB22(min)	I[176]	-0.70	0.00	-0.95	0.00	-1.22	0.00
176	gLCB23(min)	I[176]	-0.70	0.00	-0.59	0.00	-3.55	0.00
176	gLCB24(min)	I[176]	-0.78	0.00	-0.77	0.00	-2.02	0.00
177	gLCB1	I[177]	-19.11	0.00	10.04	0.00	-6.84	0.00
177	gLCB2	I[177]	-18.63	0.00	7.75	0.00	-10.07	0.00
177	gLCB3	I[177]	-8.45	0.00	10.04	0.00	6.47	0.00
177	gLCB4	I[177]	-7.96	0.00	7.75	0.00	3.25	0.00
177	gLCB5	I[177]	-18.99	0.00	9.45	0.00	-7.69	0.00
177	gLCB6	I[177]	-18.50	0.00	7.16	0.00	-10.91	0.00
177	gLCB7	I[177]	-8.32	0.00	9.45	0.00	5.63	0.00
177	gLCB8	I[177]	-7.84	0.00	7.16	0.00	2.40	0.00
177	gLCB9	I[177]	-18.98	0.00	9.45	0.00	-7.72	0.00
177	gLCB10	I[177]	-18.49	0.00	7.16	0.00	-10.95	0.00
177	gLCB11	I[177]	-8.31	0.00	9.45	0.00	5.60	0.00
177	gLCB12	I[177]	-7.82	0.00	7.16	0.00	2.37	0.00
177	gLCB13	I[177]	-18.85	0.00	8.86	0.00	-8.56	0.00
177	gLCB14	I[177]	-18.36	0.00	6.56	0.00	-11.79	0.00
177	gLCB15	I[177]	-8.18	0.00	8.86	0.00	4.75	0.00
177	gLCB16	I[177]	-7.70	0.00	6.56	0.00	1.52	0.00
177	gLCB17(max)	I[177]	0.16	0.00	3.05	0.00	7.17	0.00
177	gLCB18(max)	I[177]	0.08	0.00	2.87	0.00	8.88	0.00
177	gLCB19(max)	I[177]	0.08	0.00	3.23	0.00	6.19	0.00
177	gLCB20(max)	I[177]	0.00	0.00	3.05	0.00	7.90	0.00
177	gLCB21(max)	I[177]	0.16	0.00	4.56	0.00	11.16	0.00
177	gLCB22(max)	I[177]	0.08	0.00	4.39	0.00	12.87	0.00
177	gLCB23(max)	I[177]	0.08	0.00	4.74	0.00	10.18	0.00
177	gLCB24(max)	I[177]	0.00	0.00	4.56	0.00	11.89	0.00
177	gLCB17(min)	I[177]	-0.38	0.00	-0.45	0.00	-3.02	0.00
177	gLCB18(min)	I[177]	-0.45	0.00	-0.63	0.00	-1.31	0.00
177	gLCB19(min)	I[177]	-0.45	0.00	-0.27	0.00	-4.00	0.00
177	gLCB20(min)	I[177]	-0.53	0.00	-0.45	0.00	-2.29	0.00
177	gLCB21(min)	I[177]	-0.62	0.00	-0.58	0.00	-4.35	0.00
177	gLCB22(min)	I[177]	-0.70	0.00	-0.76	0.00	-2.63	0.00
177	gLCB23(min)	I[177]	-0.70	0.00	-0.40	0.00	-5.33	0.00
177	gLCB24(min)	I[177]	-0.78	0.00	-0.58	0.00	-3.62	0.00
178	gLCB1	I[178]	-19.11	0.00	11.37	0.00	-17.55	0.00
178	gLCB2	I[178]	-18.63	0.00	8.77	0.00	-18.33	0.00
178	gLCB3	I[178]	-8.45	0.00	11.37	0.00	-4.24	0.00
178	gLCB4	I[178]	-7.96	0.00	8.77	0.00	-5.02	0.00
178	gLCB5	I[178]	-18.99	0.00	10.70	0.00	-17.76	0.00
178	gLCB6	I[178]	-18.50	0.00	8.10	0.00	-18.54	0.00
178	gLCB7	I[178]	-8.32	0.00	10.70	0.00	-4.45	0.00
178	gLCB8	I[178]	-7.84	0.00	8.10	0.00	-5.23	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
178	gLCB9	I[178]	-18.98	0.00	10.71	0.00	-17.80	0.00
178	gLCB10	I[178]	-18.49	0.00	8.10	0.00	-18.58	0.00
178	gLCB11	I[178]	-8.31	0.00	10.71	0.00	-4.48	0.00
178	gLCB12	I[178]	-7.82	0.00	8.10	0.00	-5.26	0.00
178	gLCB13	I[178]	-18.85	0.00	10.03	0.00	-18.01	0.00
178	gLCB14	I[178]	-18.36	0.00	7.43	0.00	-18.79	0.00
178	gLCB15	I[178]	-8.18	0.00	10.03	0.00	-4.69	0.00
178	gLCB16	I[178]	-7.70	0.00	7.43	0.00	-5.47	0.00
178	gLCB17(max)	I[178]	0.16	0.00	3.30	0.00	5.77	0.00
178	gLCB18(max)	I[178]	0.08	0.00	3.12	0.00	7.66	0.00
178	gLCB19(max)	I[178]	0.08	0.00	3.48	0.00	4.61	0.00
178	gLCB20(max)	I[178]	0.00	0.00	3.30	0.00	6.50	0.00
178	gLCB21(max)	I[178]	0.16	0.00	4.91	0.00	8.57	0.00
178	gLCB22(max)	I[178]	0.08	0.00	4.73	0.00	10.46	0.00
178	gLCB23(max)	I[178]	0.08	0.00	5.08	0.00	7.41	0.00
178	gLCB24(max)	I[178]	0.00	0.00	4.91	0.00	9.30	0.00
178	gLCB17(min)	I[178]	-0.38	0.00	-0.32	0.00	-4.08	0.00
178	gLCB18(min)	I[178]	-0.45	0.00	-0.50	0.00	-2.19	0.00
178	gLCB19(min)	I[178]	-0.45	0.00	-0.14	0.00	-5.24	0.00
178	gLCB20(min)	I[178]	-0.53	0.00	-0.32	0.00	-3.35	0.00
178	gLCB21(min)	I[178]	-0.62	0.00	-0.42	0.00	-6.30	0.00
178	gLCB22(min)	I[178]	-0.70	0.00	-0.60	0.00	-4.41	0.00
178	gLCB23(min)	I[178]	-0.70	0.00	-0.24	0.00	-7.46	0.00
178	gLCB24(min)	I[178]	-0.78	0.00	-0.42	0.00	-5.57	0.00
179	gLCB1	I[179]	-19.11	0.00	12.70	0.00	-29.59	0.00
179	gLCB2	I[179]	-18.63	0.00	9.79	0.00	-27.61	0.00
179	gLCB3	I[179]	-8.45	0.00	12.70	0.00	-16.27	0.00
179	gLCB4	I[179]	-7.96	0.00	9.79	0.00	-14.30	0.00
179	gLCB5	I[179]	-18.99	0.00	11.95	0.00	-29.09	0.00
179	gLCB6	I[179]	-18.50	0.00	9.04	0.00	-27.11	0.00
179	gLCB7	I[179]	-8.32	0.00	11.95	0.00	-15.77	0.00
179	gLCB8	I[179]	-7.84	0.00	9.04	0.00	-13.80	0.00
179	gLCB9	I[179]	-18.98	0.00	11.96	0.00	-29.13	0.00
179	gLCB10	I[179]	-18.49	0.00	9.05	0.00	-27.16	0.00
179	gLCB11	I[179]	-8.31	0.00	11.96	0.00	-15.81	0.00
179	gLCB12	I[179]	-7.82	0.00	9.05	0.00	-13.84	0.00
179	gLCB13	I[179]	-18.85	0.00	11.21	0.00	-28.63	0.00
179	gLCB14	I[179]	-18.36	0.00	8.30	0.00	-26.66	0.00
179	gLCB15	I[179]	-8.18	0.00	11.21	0.00	-15.31	0.00
179	gLCB16	I[179]	-7.70	0.00	8.30	0.00	-13.34	0.00
179	gLCB17(max)	I[179]	0.16	0.00	3.55	0.00	4.19	0.00
179	gLCB18(max)	I[179]	0.08	0.00	3.37	0.00	6.26	0.00
179	gLCB19(max)	I[179]	0.08	0.00	3.73	0.00	2.85	0.00
179	gLCB20(max)	I[179]	0.00	0.00	3.55	0.00	4.92	0.00
179	gLCB21(max)	I[179]	0.16	0.00	5.26	0.00	5.80	0.00
179	gLCB22(max)	I[179]	0.08	0.00	5.08	0.00	7.86	0.00
179	gLCB23(max)	I[179]	0.08	0.00	5.44	0.00	4.46	0.00
179	gLCB24(max)	I[179]	0.00	0.00	5.26	0.00	6.53	0.00
179	gLCB17(min)	I[179]	-0.38	0.00	-0.21	0.00	-5.31	0.00
179	gLCB18(min)	I[179]	-0.45	0.00	-0.39	0.00	-3.24	0.00
179	gLCB19(min)	I[179]	-0.45	0.00	-0.03	0.00	-6.65	0.00
179	gLCB20(min)	I[179]	-0.53	0.00	-0.21	0.00	-4.58	0.00
179	gLCB21(min)	I[179]	-0.62	0.00	-0.28	0.00	-8.58	0.00
179	gLCB22(min)	I[179]	-0.70	0.00	-0.46	0.00	-6.51	0.00
179	gLCB23(min)	I[179]	-0.70	0.00	-0.10	0.00	-9.92	0.00
179	gLCB24(min)	I[179]	-0.78	0.00	-0.28	0.00	-7.85	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
180	gLCB1	I[180]	-19.11	0.00	14.03	0.00	-42.95	0.00
180	gLCB2	I[180]	-18.63	0.00	10.81	0.00	-37.92	0.00
180	gLCB3	I[180]	-8.45	0.00	14.03	0.00	-29.64	0.00
180	gLCB4	I[180]	-7.96	0.00	10.81	0.00	-24.60	0.00
180	gLCB5	I[180]	-18.99	0.00	13.20	0.00	-41.66	0.00
180	gLCB6	I[180]	-18.50	0.00	9.98	0.00	-36.63	0.00
180	gLCB7	I[180]	-8.32	0.00	13.20	0.00	-28.35	0.00
180	gLCB8	I[180]	-7.84	0.00	9.98	0.00	-23.31	0.00
180	gLCB9	I[180]	-18.98	0.00	13.21	0.00	-41.71	0.00
180	gLCB10	I[180]	-18.49	0.00	9.99	0.00	-36.68	0.00
180	gLCB11	I[180]	-8.31	0.00	13.21	0.00	-28.40	0.00
180	gLCB12	I[180]	-7.82	0.00	9.99	0.00	-23.36	0.00
180	gLCB13	I[180]	-18.85	0.00	12.38	0.00	-40.42	0.00
180	gLCB14	I[180]	-18.36	0.00	9.16	0.00	-35.39	0.00
180	gLCB15	I[180]	-8.18	0.00	12.38	0.00	-27.11	0.00
180	gLCB16	I[180]	-7.70	0.00	9.16	0.00	-22.07	0.00
180	gLCB17(max)	I[180]	0.16	0.00	3.81	0.00	2.44	0.00
180	gLCB18(max)	I[180]	0.08	0.00	3.63	0.00	4.68	0.00
180	gLCB19(max)	I[180]	0.08	0.00	3.99	0.00	0.92	0.00
180	gLCB20(max)	I[180]	0.00	0.00	3.81	0.00	3.17	0.00
180	gLCB21(max)	I[180]	0.16	0.00	5.64	0.00	3.23	0.00
180	gLCB22(max)	I[180]	0.08	0.00	5.46	0.00	5.48	0.00
180	gLCB23(max)	I[180]	0.08	0.00	5.81	0.00	1.71	0.00
180	gLCB24(max)	I[180]	0.00	0.00	5.64	0.00	3.96	0.00
180	gLCB17(min)	I[180]	-0.38	0.00	-0.13	0.00	-6.73	0.00
180	gLCB18(min)	I[180]	-0.45	0.00	-0.30	0.00	-4.48	0.00
180	gLCB19(min)	I[180]	-0.45	0.00	0.05	0.00	-8.25	0.00
180	gLCB20(min)	I[180]	-0.53	0.00	-0.13	0.00	-6.00	0.00
180	gLCB21(min)	I[180]	-0.62	0.00	-0.17	0.00	-11.20	0.00
180	gLCB22(min)	I[180]	-0.70	0.00	-0.35	0.00	-8.96	0.00
180	gLCB23(min)	I[180]	-0.70	0.00	0.01	0.00	-12.72	0.00
180	gLCB24(min)	I[180]	-0.78	0.00	-0.17	0.00	-10.47	0.00
181	gLCB1	I[181]	-19.11	0.00	15.35	0.00	-57.64	0.00
181	gLCB2	I[181]	-18.63	0.00	11.83	0.00	-49.24	0.00
181	gLCB3	I[181]	-8.45	0.00	15.35	0.00	-44.32	0.00
181	gLCB4	I[181]	-7.96	0.00	11.83	0.00	-35.92	0.00
181	gLCB5	I[181]	-18.99	0.00	14.44	0.00	-55.48	0.00
181	gLCB6	I[181]	-18.50	0.00	10.92	0.00	-47.08	0.00
181	gLCB7	I[181]	-8.32	0.00	14.44	0.00	-42.16	0.00
181	gLCB8	I[181]	-7.84	0.00	10.92	0.00	-33.76	0.00
181	gLCB9	I[181]	-18.98	0.00	14.46	0.00	-55.54	0.00
181	gLCB10	I[181]	-18.49	0.00	10.94	0.00	-47.14	0.00
181	gLCB11	I[181]	-8.31	0.00	14.46	0.00	-42.23	0.00
181	gLCB12	I[181]	-7.82	0.00	10.94	0.00	-33.83	0.00
181	gLCB13	I[181]	-18.85	0.00	13.55	0.00	-53.38	0.00
181	gLCB14	I[181]	-18.36	0.00	10.03	0.00	-44.98	0.00
181	gLCB15	I[181]	-8.18	0.00	13.55	0.00	-40.07	0.00
181	gLCB16	I[181]	-7.70	0.00	10.03	0.00	-31.67	0.00
181	gLCB17(max)	I[181]	0.16	0.00	4.07	0.00	0.80	0.00
181	gLCB18(max)	I[181]	0.08	0.00	3.89	0.00	3.23	0.00
181	gLCB19(max)	I[181]	0.08	0.00	4.25	0.00	-0.90	0.00
181	gLCB20(max)	I[181]	0.00	0.00	4.07	0.00	1.53	0.00
181	gLCB21(max)	I[181]	0.16	0.00	6.01	0.00	1.18	0.00
181	gLCB22(max)	I[181]	0.08	0.00	5.83	0.00	3.61	0.00
181	gLCB23(max)	I[181]	0.08	0.00	6.19	0.00	-0.51	0.00
181	gLCB24(max)	I[181]	0.00	0.00	6.01	0.00	1.91	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
181	gLCB17(min)	I[181]	-0.38	0.00	-0.06	0.00	-8.51	0.00	
181	gLCB18(min)	I[181]	-0.45	0.00	-0.24	0.00	-6.08	0.00	
181	gLCB19(min)	I[181]	-0.45	0.00	0.12	0.00	-10.20	0.00	
181	gLCB20(min)	I[181]	-0.53	0.00	-0.06	0.00	-7.78	0.00	
181	gLCB21(min)	I[181]	-0.62	0.00	-0.09	0.00	-14.16	0.00	
181	gLCB22(min)	I[181]	-0.70	0.00	-0.27	0.00	-11.73	0.00	
181	gLCB23(min)	I[181]	-0.70	0.00	0.09	0.00	-15.86	0.00	
181	gLCB24(min)	I[181]	-0.78	0.00	-0.09	0.00	-13.43	0.00	
182	gLCB1	I[182]	-19.11	0.00	16.67	0.00	-73.65	0.00	
182	gLCB2	I[182]	-18.63	0.00	12.85	0.00	-61.58	0.00	
182	gLCB3	I[182]	-8.45	0.00	16.67	0.00	-60.33	0.00	
182	gLCB4	I[182]	-7.96	0.00	12.85	0.00	-48.26	0.00	
182	gLCB5	I[182]	-18.99	0.00	15.68	0.00	-70.54	0.00	
182	gLCB6	I[182]	-18.50	0.00	11.86	0.00	-58.47	0.00	
182	gLCB7	I[182]	-8.32	0.00	15.68	0.00	-57.23	0.00	
182	gLCB8	I[182]	-7.84	0.00	11.86	0.00	-45.15	0.00	
182	gLCB9	I[182]	-18.98	0.00	15.70	0.00	-70.63	0.00	
182	gLCB10	I[182]	-18.49	0.00	11.88	0.00	-58.55	0.00	
182	gLCB11	I[182]	-8.31	0.00	15.70	0.00	-57.31	0.00	
182	gLCB12	I[182]	-7.82	0.00	11.88	0.00	-45.24	0.00	
182	gLCB13	I[182]	-18.85	0.00	14.72	0.00	-67.52	0.00	
182	gLCB14	I[182]	-18.36	0.00	10.89	0.00	-55.44	0.00	
182	gLCB15	I[182]	-8.18	0.00	14.72	0.00	-54.20	0.00	
182	gLCB16	I[182]	-7.70	0.00	10.89	0.00	-42.13	0.00	
182	gLCB17(max)	I[182]	0.16	0.00	4.33	0.00	-0.30	0.00	
182	gLCB18(max)	I[182]	0.08	0.00	4.16	0.00	2.30	0.00	
182	gLCB19(max)	I[182]	0.08	0.00	4.51	0.00	-2.18	0.00	
182	gLCB20(max)	I[182]	0.00	0.00	4.33	0.00	0.43	0.00	
182	gLCB21(max)	I[182]	0.16	0.00	6.38	0.00	-0.18	0.00	
182	gLCB22(max)	I[182]	0.08	0.00	6.20	0.00	2.42	0.00	
182	gLCB23(max)	I[182]	0.08	0.00	6.56	0.00	-2.06	0.00	
182	gLCB24(max)	I[182]	0.00	0.00	6.38	0.00	0.55	0.00	
182	gLCB17(min)	I[182]	-0.38	0.00	-0.02	0.00	-11.43	0.00	
182	gLCB18(min)	I[182]	-0.45	0.00	-0.20	0.00	-8.83	0.00	
182	gLCB19(min)	I[182]	-0.45	0.00	0.16	0.00	-13.31	0.00	
182	gLCB20(min)	I[182]	-0.53	0.00	-0.02	0.00	-10.70	0.00	
182	gLCB21(min)	I[182]	-0.62	0.00	-0.03	0.00	-17.46	0.00	
182	gLCB22(min)	I[182]	-0.70	0.00	-0.21	0.00	-14.85	0.00	
182	gLCB23(min)	I[182]	-0.70	0.00	0.15	0.00	-19.33	0.00	
182	gLCB24(min)	I[182]	-0.78	0.00	-0.03	0.00	-16.73	0.00	
201	gLCB1	I[201]	-27.19	0.00	21.04	0.00	0.00	0.00	
201	gLCB2	I[201]	-24.03	0.00	21.25	0.00	0.00	0.00	
201	gLCB3	I[201]	-27.19	0.00	6.98	0.00	0.00	0.00	
201	gLCB4	I[201]	-24.03	0.00	7.18	0.00	0.00	0.00	
201	gLCB5	I[201]	-25.51	0.00	21.17	0.00	0.00	0.00	
201	gLCB6	I[201]	-22.35	0.00	21.37	0.00	0.00	0.00	
201	gLCB7	I[201]	-25.51	0.00	7.10	0.00	0.00	0.00	
201	gLCB8	I[201]	-22.35	0.00	7.31	0.00	0.00	0.00	
201	gLCB9	I[201]	-23.06	0.00	21.17	0.00	0.00	0.00	
201	gLCB10	I[201]	-19.90	0.00	21.38	0.00	0.00	0.00	
201	gLCB11	I[201]	-23.06	0.00	7.11	0.00	0.00	0.00	
201	gLCB12	I[201]	-19.90	0.00	7.31	0.00	0.00	0.00	
201	gLCB13	I[201]	-21.38	0.00	21.30	0.00	0.00	0.00	
201	gLCB14	I[201]	-18.22	0.00	21.50	0.00	0.00	0.00	
201	gLCB15	I[201]	-21.38	0.00	7.23	0.00	0.00	0.00	
201	gLCB16	I[201]	-18.22	0.00	7.44	0.00	0.00	0.00	


Top Slab
Max. Soil,
Max EV3
Pu
Wall,
Max. Leg,
Max DL Pu

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
201	gLCB17(max)	I[201]	-3.88	0.00	0.15	0.00	0.00	0.00
201	gLCB18(max)	I[201]	-4.06	0.00	0.08	0.00	0.00	0.00
201	gLCB19(max)	I[201]	0.18	0.00	0.08	0.00	0.00	0.00
201	gLCB20(max)	I[201]	0.00	0.00	0.00	0.00	0.00	0.00
201	gLCB21(max)	I[201]	-3.88	0.00	0.15	0.00	0.00	0.00
201	gLCB22(max)	I[201]	-4.06	0.00	0.08	0.00	0.00	0.00
201	gLCB23(max)	I[201]	0.18	0.00	0.08	0.00	0.00	0.00
201	gLCB24(max)	I[201]	0.00	0.00	0.00	0.00	0.00	0.00
201	gLCB17(min)	I[201]	-10.80	0.00	-0.58	0.00	0.00	0.00
201	gLCB18(min)	I[201]	-10.97	0.00	-0.66	0.00	0.00	0.00
201	gLCB19(min)	I[201]	-6.74	0.00	-0.66	0.00	0.00	0.00
201	gLCB20(min)	I[201]	-6.92	0.00	-0.73	0.00	0.00	0.00
201	gLCB21(min)	I[201]	-14.07	0.00	-0.93	0.00	0.00	0.00
201	gLCB22(min)	I[201]	-14.25	0.00	-1.01	0.00	0.00	0.00
201	gLCB23(min)	I[201]	-10.01	0.00	-1.01	0.00	0.00	0.00
201	gLCB24(min)	I[201]	-10.19	0.00	-1.08	0.00	0.00	0.00
202	gLCB1	I[204]	-26.82	0.00	18.66	0.00	19.84	0.00
202	gLCB2	I[204]	-23.66	0.00	18.86	0.00	20.05	0.00
202	gLCB3	I[204]	-26.82	0.00	6.09	0.00	6.53	0.00
202	gLCB4	I[204]	-23.66	0.00	6.30	0.00	6.74	0.00
202	gLCB5	I[204]	-25.13	0.00	18.78	0.00	19.97	0.00
202	gLCB6	I[204]	-21.97	0.00	18.99	0.00	20.17	0.00
202	gLCB7	I[204]	-25.13	0.00	6.22	0.00	6.66	0.00
202	gLCB8	I[204]	-21.97	0.00	6.42	0.00	6.86	0.00
202	gLCB9	I[204]	-22.79	0.00	18.79	0.00	19.97	0.00
202	gLCB10	I[204]	-19.63	0.00	18.99	0.00	20.18	0.00
202	gLCB11	I[204]	-22.79	0.00	6.22	0.00	6.66	0.00
202	gLCB12	I[204]	-19.63	0.00	6.43	0.00	6.87	0.00
202	gLCB13	I[204]	-21.11	0.00	18.91	0.00	20.10	0.00
202	gLCB14	I[204]	-17.95	0.00	19.12	0.00	20.30	0.00
202	gLCB15	I[204]	-21.11	0.00	6.35	0.00	6.79	0.00
202	gLCB16	I[204]	-17.95	0.00	6.55	0.00	6.99	0.00
202	gLCB17(max)	I[204]	-3.88	0.00	0.15	0.00	0.15	0.00
202	gLCB18(max)	I[204]	0.18	0.00	0.08	0.00	0.08	0.00
202	gLCB19(max)	I[204]	-4.06	0.00	0.08	0.00	0.08	0.00
202	gLCB20(max)	I[204]	0.00	0.00	0.00	0.00	0.00	0.00
202	gLCB21(max)	I[204]	-3.88	0.00	0.15	0.00	0.15	0.00
202	gLCB22(max)	I[204]	0.18	0.00	0.08	0.00	0.08	0.00
202	gLCB23(max)	I[204]	-4.06	0.00	0.08	0.00	0.08	0.00
202	gLCB24(max)	I[204]	0.00	0.00	0.00	0.00	0.00	0.00
202	gLCB17(min)	I[204]	-10.80	0.00	-0.58	0.00	-0.58	0.00
202	gLCB18(min)	I[204]	-6.74	0.00	-0.66	0.00	-0.66	0.00
202	gLCB19(min)	I[204]	-10.97	0.00	-0.66	0.00	-0.66	0.00
202	gLCB20(min)	I[204]	-6.92	0.00	-0.73	0.00	-0.73	0.00
202	gLCB21(min)	I[204]	-14.07	0.00	-0.93	0.00	-0.93	0.00
202	gLCB22(min)	I[204]	-10.01	0.00	-1.01	0.00	-1.01	0.00
202	gLCB23(min)	I[204]	-14.25	0.00	-1.01	0.00	-1.01	0.00
202	gLCB24(min)	I[204]	-10.19	0.00	-1.08	0.00	-1.08	0.00
203	gLCB1	I[203]	-26.82	0.00	18.66	0.00	-19.84	0.00
203	gLCB2	I[203]	-23.66	0.00	18.86	0.00	-20.05	0.00
203	gLCB3	I[203]	-26.82	0.00	6.09	0.00	-6.53	0.00
203	gLCB4	I[203]	-23.66	0.00	6.30	0.00	-6.74	0.00
203	gLCB5	I[203]	-25.13	0.00	18.78	0.00	-19.97	0.00
203	gLCB6	I[203]	-21.97	0.00	18.99	0.00	-20.17	0.00
203	gLCB7	I[203]	-25.13	0.00	6.22	0.00	-6.66	0.00
203	gLCB8	I[203]	-21.97	0.00	6.42	0.00	-6.86	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
203	gLCB9	I[203]	-22.79	0.00	18.79	0.00	-19.97	0.00
203	gLCB10	I[203]	-19.63	0.00	18.99	0.00	-20.18	0.00
203	gLCB11	I[203]	-22.79	0.00	6.22	0.00	-6.66	0.00
203	gLCB12	I[203]	-19.63	0.00	6.43	0.00	-6.87	0.00
203	gLCB13	I[203]	-21.11	0.00	18.91	0.00	-20.10	0.00
203	gLCB14	I[203]	-17.95	0.00	19.12	0.00	-20.30	0.00
203	gLCB15	I[203]	-21.11	0.00	6.35	0.00	-6.79	0.00
203	gLCB16	I[203]	-17.95	0.00	6.55	0.00	-6.99	0.00
203	gLCB17(max)	I[203]	-3.88	0.00	0.15	0.00	0.58	0.00
203	gLCB18(max)	I[203]	-4.06	0.00	0.08	0.00	0.66	0.00
203	gLCB19(max)	I[203]	0.18	0.00	0.08	0.00	0.66	0.00
203	gLCB20(max)	I[203]	0.00	0.00	0.00	0.00	0.73	0.00
203	gLCB21(max)	I[203]	-3.88	0.00	0.15	0.00	0.93	0.00
203	gLCB22(max)	I[203]	-4.06	0.00	0.08	0.00	1.01	0.00
203	gLCB23(max)	I[203]	0.18	0.00	0.08	0.00	1.01	0.00
203	gLCB24(max)	I[203]	0.00	0.00	0.00	0.00	1.08	0.00
203	gLCB17(min)	I[203]	-10.80	0.00	-0.58	0.00	-0.15	0.00
203	gLCB18(min)	I[203]	-10.97	0.00	-0.66	0.00	-0.08	0.00
203	gLCB19(min)	I[203]	-6.74	0.00	-0.66	0.00	-0.08	0.00
203	gLCB20(min)	I[203]	-6.92	0.00	-0.73	0.00	0.00	0.00
203	gLCB21(min)	I[203]	-14.07	0.00	-0.93	0.00	-0.15	0.00
203	gLCB22(min)	I[203]	-14.25	0.00	-1.01	0.00	-0.08	0.00
203	gLCB23(min)	I[203]	-10.01	0.00	-1.01	0.00	-0.08	0.00
203	gLCB24(min)	I[203]	-10.19	0.00	-1.08	0.00	0.00	0.00
204	gLCB1	I[206]	-26.44	0.00	16.35	0.00	37.34	0.00
204	gLCB2	I[206]	-23.28	0.00	16.55	0.00	37.75	0.00
204	gLCB3	I[206]	-26.44	0.00	5.24	0.00	12.19	0.00
204	gLCB4	I[206]	-23.28	0.00	5.44	0.00	12.60	0.00
204	gLCB5	I[206]	-24.76	0.00	16.47	0.00	37.59	0.00
204	gLCB6	I[206]	-21.60	0.00	16.68	0.00	38.00	0.00
204	gLCB7	I[206]	-24.76	0.00	5.36	0.00	12.44	0.00
204	gLCB8	I[206]	-21.60	0.00	5.57	0.00	12.85	0.00
204	gLCB9	I[206]	-22.52	0.00	16.48	0.00	37.60	0.00
204	gLCB10	I[206]	-19.36	0.00	16.68	0.00	38.01	0.00
204	gLCB11	I[206]	-22.52	0.00	5.37	0.00	12.45	0.00
204	gLCB12	I[206]	-19.36	0.00	5.57	0.00	12.86	0.00
204	gLCB13	I[206]	-20.84	0.00	16.60	0.00	37.85	0.00
204	gLCB14	I[206]	-17.68	0.00	16.81	0.00	38.26	0.00
204	gLCB15	I[206]	-20.84	0.00	5.49	0.00	12.70	0.00
204	gLCB16	I[206]	-17.68	0.00	5.70	0.00	13.11	0.00
204	gLCB17(max)	I[206]	-3.88	0.00	0.15	0.00	0.31	0.00
204	gLCB18(max)	I[206]	0.18	0.00	0.08	0.00	0.15	0.00
204	gLCB19(max)	I[206]	-4.06	0.00	0.08	0.00	0.15	0.00
204	gLCB20(max)	I[206]	0.00	0.00	0.00	0.00	0.00	0.00
204	gLCB21(max)	I[206]	-3.88	0.00	0.15	0.00	0.31	0.00
204	gLCB22(max)	I[206]	0.18	0.00	0.08	0.00	0.15	0.00
204	gLCB23(max)	I[206]	-4.06	0.00	0.08	0.00	0.15	0.00
204	gLCB24(max)	I[206]	0.00	0.00	0.00	0.00	0.00	0.00
204	gLCB17(min)	I[206]	-10.80	0.00	-0.58	0.00	-1.16	0.00
204	gLCB18(min)	I[206]	-6.74	0.00	-0.66	0.00	-1.31	0.00
204	gLCB19(min)	I[206]	-10.97	0.00	-0.66	0.00	-1.31	0.00
204	gLCB20(min)	I[206]	-6.92	0.00	-0.73	0.00	-1.47	0.00
204	gLCB21(min)	I[206]	-14.07	0.00	-0.93	0.00	-1.86	0.00
204	gLCB22(min)	I[206]	-10.01	0.00	-1.01	0.00	-2.02	0.00
204	gLCB23(min)	I[206]	-14.25	0.00	-1.01	0.00	-2.02	0.00
204	gLCB24(min)	I[206]	-10.19	0.00	-1.08	0.00	-2.17	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
205	gLCB1	I[205]	-26.44	0.00	16.35	0.00	-37.34	0.00
205	gLCB2	I[205]	-23.28	0.00	16.55	0.00	-37.75	0.00
205	gLCB3	I[205]	-26.44	0.00	5.24	0.00	-12.19	0.00
205	gLCB4	I[205]	-23.28	0.00	5.44	0.00	-12.60	0.00
205	gLCB5	I[205]	-24.76	0.00	16.47	0.00	-37.59	0.00
205	gLCB6	I[205]	-21.60	0.00	16.68	0.00	-38.00	0.00
205	gLCB7	I[205]	-24.76	0.00	5.36	0.00	-12.44	0.00
205	gLCB8	I[205]	-21.60	0.00	5.57	0.00	-12.85	0.00
205	gLCB9	I[205]	-22.52	0.00	16.48	0.00	-37.60	0.00
205	gLCB10	I[205]	-19.36	0.00	16.68	0.00	-38.01	0.00
205	gLCB11	I[205]	-22.52	0.00	5.37	0.00	-12.45	0.00
205	gLCB12	I[205]	-19.36	0.00	5.57	0.00	-12.86	0.00
205	gLCB13	I[205]	-20.84	0.00	16.60	0.00	-37.85	0.00
205	gLCB14	I[205]	-17.68	0.00	16.81	0.00	-38.26	0.00
205	gLCB15	I[205]	-20.84	0.00	5.49	0.00	-12.70	0.00
205	gLCB16	I[205]	-17.68	0.00	5.70	0.00	-13.11	0.00
205	gLCB17(max)	I[205]	-3.88	0.00	0.15	0.00	1.16	0.00
205	gLCB18(max)	I[205]	-4.06	0.00	0.08	0.00	1.31	0.00
205	gLCB19(max)	I[205]	0.18	0.00	0.08	0.00	1.31	0.00
205	gLCB20(max)	I[205]	0.00	0.00	0.00	0.00	1.47	0.00
205	gLCB21(max)	I[205]	-3.88	0.00	0.15	0.00	1.86	0.00
205	gLCB22(max)	I[205]	-4.06	0.00	0.08	0.00	2.02	0.00
205	gLCB23(max)	I[205]	0.18	0.00	0.08	0.00	2.02	0.00
205	gLCB24(max)	I[205]	0.00	0.00	0.00	0.00	2.17	0.00
205	gLCB17(min)	I[205]	-10.80	0.00	-0.58	0.00	-0.31	0.00
205	gLCB18(min)	I[205]	-10.97	0.00	-0.66	0.00	-0.15	0.00
205	gLCB19(min)	I[205]	-6.74	0.00	-0.66	0.00	-0.15	0.00
205	gLCB20(min)	I[205]	-6.92	0.00	-0.73	0.00	0.00	0.00
205	gLCB21(min)	I[205]	-14.07	0.00	-0.93	0.00	-0.31	0.00
205	gLCB22(min)	I[205]	-14.25	0.00	-1.01	0.00	-0.15	0.00
205	gLCB23(min)	I[205]	-10.01	0.00	-1.01	0.00	-0.15	0.00
205	gLCB24(min)	I[205]	-10.19	0.00	-1.08	0.00	0.00	0.00
206	gLCB1	I[208]	-26.07	0.00	14.12	0.00	52.57	0.00
206	gLCB2	I[208]	-22.91	0.00	14.33	0.00	53.18	0.00
206	gLCB3	I[208]	-26.07	0.00	4.41	0.00	17.02	0.00
206	gLCB4	I[208]	-22.91	0.00	4.62	0.00	17.63	0.00
206	gLCB5	I[208]	-24.38	0.00	14.25	0.00	52.94	0.00
206	gLCB6	I[208]	-21.22	0.00	14.45	0.00	53.56	0.00
206	gLCB7	I[208]	-24.38	0.00	4.54	0.00	17.39	0.00
206	gLCB8	I[208]	-21.22	0.00	4.74	0.00	18.01	0.00
206	gLCB9	I[208]	-22.25	0.00	14.25	0.00	52.96	0.00
206	gLCB10	I[208]	-19.09	0.00	14.46	0.00	53.57	0.00
206	gLCB11	I[208]	-22.25	0.00	4.54	0.00	17.41	0.00
206	gLCB12	I[208]	-19.09	0.00	4.75	0.00	18.02	0.00
206	gLCB13	I[208]	-20.57	0.00	14.38	0.00	53.33	0.00
206	gLCB14	I[208]	-17.41	0.00	14.58	0.00	53.95	0.00
206	gLCB15	I[208]	-20.57	0.00	4.67	0.00	17.78	0.00
206	gLCB16	I[208]	-17.41	0.00	4.87	0.00	18.40	0.00
206	gLCB17(max)	I[208]	-3.88	0.00	0.15	0.00	0.46	0.00
206	gLCB18(max)	I[208]	0.18	0.00	0.08	0.00	0.23	0.00
206	gLCB19(max)	I[208]	-4.06	0.00	0.08	0.00	0.23	0.00
206	gLCB20(max)	I[208]	0.00	0.00	0.00	0.00	0.00	0.00
206	gLCB21(max)	I[208]	-3.88	0.00	0.15	0.00	0.46	0.00
206	gLCB22(max)	I[208]	0.18	0.00	0.08	0.00	0.23	0.00
206	gLCB23(max)	I[208]	-4.06	0.00	0.08	0.00	0.23	0.00
206	gLCB24(max)	I[208]	0.00	0.00	0.00	0.00	0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
206	gLCB17(min)	I[208]	-10.80	0.00	-0.58	0.00	-1.74	0.00
206	gLCB18(min)	I[208]	-6.74	0.00	-0.66	0.00	-1.97	0.00
206	gLCB19(min)	I[208]	-10.97	0.00	-0.66	0.00	-1.97	0.00
206	gLCB20(min)	I[208]	-6.92	0.00	-0.73	0.00	-2.20	0.00
206	gLCB21(min)	I[208]	-14.07	0.00	-0.93	0.00	-2.79	0.00
206	gLCB22(min)	I[208]	-10.01	0.00	-1.01	0.00	-3.02	0.00
206	gLCB23(min)	I[208]	-14.25	0.00	-1.01	0.00	-3.02	0.00
206	gLCB24(min)	I[208]	-10.19	0.00	-1.08	0.00	-3.25	0.00
207	gLCB1	I[207]	-26.07	0.00	14.12	0.00	-52.57	0.00
207	gLCB2	I[207]	-22.91	0.00	14.33	0.00	-53.18	0.00
207	gLCB3	I[207]	-26.07	0.00	4.41	0.00	-17.02	0.00
207	gLCB4	I[207]	-22.91	0.00	4.62	0.00	-17.63	0.00
207	gLCB5	I[207]	-24.38	0.00	14.25	0.00	-52.94	0.00
207	gLCB6	I[207]	-21.22	0.00	14.45	0.00	-53.56	0.00
207	gLCB7	I[207]	-24.38	0.00	4.54	0.00	-17.39	0.00
207	gLCB8	I[207]	-21.22	0.00	4.74	0.00	-18.01	0.00
207	gLCB9	I[207]	-22.25	0.00	14.25	0.00	-52.96	0.00
207	gLCB10	I[207]	-19.09	0.00	14.46	0.00	-53.57	0.00
207	gLCB11	I[207]	-22.25	0.00	4.54	0.00	-17.41	0.00
207	gLCB12	I[207]	-19.09	0.00	4.75	0.00	-18.02	0.00
207	gLCB13	I[207]	-20.57	0.00	14.38	0.00	-53.33	0.00
207	gLCB14	I[207]	-17.41	0.00	14.58	0.00	-53.95	0.00
207	gLCB15	I[207]	-20.57	0.00	4.67	0.00	-17.78	0.00
207	gLCB16	I[207]	-17.41	0.00	4.87	0.00	-18.40	0.00
207	gLCB17(max)	I[207]	-3.88	0.00	0.15	0.00	1.74	0.00
207	gLCB18(max)	I[207]	-4.06	0.00	0.08	0.00	1.97	0.00
207	gLCB19(max)	I[207]	0.18	0.00	0.08	0.00	1.97	0.00
207	gLCB20(max)	I[207]	0.00	0.00	0.00	0.00	2.20	0.00
207	gLCB21(max)	I[207]	-3.88	0.00	0.15	0.00	2.79	0.00
207	gLCB22(max)	I[207]	-4.06	0.00	0.08	0.00	3.02	0.00
207	gLCB23(max)	I[207]	0.18	0.00	0.08	0.00	3.02	0.00
207	gLCB24(max)	I[207]	0.00	0.00	0.00	0.00	3.25	0.00
207	gLCB17(min)	I[207]	-10.80	0.00	-0.58	0.00	-0.46	0.00
207	gLCB18(min)	I[207]	-10.97	0.00	-0.66	0.00	-0.23	0.00
207	gLCB19(min)	I[207]	-6.74	0.00	-0.66	0.00	-0.23	0.00
207	gLCB20(min)	I[207]	-6.92	0.00	-0.73	0.00	0.00	0.00
207	gLCB21(min)	I[207]	-14.07	0.00	-0.93	0.00	-0.46	0.00
207	gLCB22(min)	I[207]	-14.25	0.00	-1.01	0.00	-0.23	0.00
207	gLCB23(min)	I[207]	-10.01	0.00	-1.01	0.00	-0.23	0.00
207	gLCB24(min)	I[207]	-10.19	0.00	-1.08	0.00	0.00	0.00
208	gLCB1	I[210]	-25.69	0.00	11.97	0.00	65.61	0.00
208	gLCB2	I[210]	-22.53	0.00	12.18	0.00	66.43	0.00
208	gLCB3	I[210]	-25.69	0.00	3.62	0.00	21.03	0.00
208	gLCB4	I[210]	-22.53	0.00	3.82	0.00	21.85	0.00
208	gLCB5	I[210]	-24.01	0.00	12.10	0.00	66.11	0.00
208	gLCB6	I[210]	-20.85	0.00	12.30	0.00	66.93	0.00
208	gLCB7	I[210]	-24.01	0.00	3.74	0.00	21.53	0.00
208	gLCB8	I[210]	-20.85	0.00	3.95	0.00	22.35	0.00
208	gLCB9	I[210]	-21.98	0.00	12.10	0.00	66.13	0.00
208	gLCB10	I[210]	-18.82	0.00	12.31	0.00	66.95	0.00
208	gLCB11	I[210]	-21.98	0.00	3.75	0.00	21.55	0.00
208	gLCB12	I[210]	-18.82	0.00	3.95	0.00	22.37	0.00
208	gLCB13	I[210]	-20.30	0.00	12.23	0.00	66.63	0.00
208	gLCB14	I[210]	-17.14	0.00	12.43	0.00	67.45	0.00
208	gLCB15	I[210]	-20.30	0.00	3.87	0.00	22.05	0.00
208	gLCB16	I[210]	-17.14	0.00	4.08	0.00	22.87	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
208	gLCB17(max)	I[210]	-3.88	0.00	0.15	0.00	0.61	0.00
208	gLCB18(max)	I[210]	0.18	0.00	0.08	0.00	0.31	0.00
208	gLCB19(max)	I[210]	-4.06	0.00	0.08	0.00	0.31	0.00
208	gLCB20(max)	I[210]	0.00	0.00	0.00	0.00	0.00	0.00
208	gLCB21(max)	I[210]	-3.88	0.00	0.15	0.00	0.61	0.00
208	gLCB22(max)	I[210]	0.18	0.00	0.08	0.00	0.31	0.00
208	gLCB23(max)	I[210]	-4.06	0.00	0.08	0.00	0.31	0.00
208	gLCB24(max)	I[210]	0.00	0.00	0.00	0.00	0.00	0.00
208	gLCB17(min)	I[210]	-10.80	0.00	-0.58	0.00	-2.32	0.00
208	gLCB18(min)	I[210]	-6.74	0.00	-0.66	0.00	-2.63	0.00
208	gLCB19(min)	I[210]	-10.97	0.00	-0.66	0.00	-2.63	0.00
208	gLCB20(min)	I[210]	-6.92	0.00	-0.73	0.00	-2.93	0.00
208	gLCB21(min)	I[210]	-14.07	0.00	-0.93	0.00	-3.73	0.00
208	gLCB22(min)	I[210]	-10.01	0.00	-1.01	0.00	-4.03	0.00
208	gLCB23(min)	I[210]	-14.25	0.00	-1.01	0.00	-4.03	0.00
208	gLCB24(min)	I[210]	-10.19	0.00	-1.08	0.00	-4.34	0.00
209	gLCB1	I[209]	-25.69	0.00	11.97	0.00	-65.61	0.00
209	gLCB2	I[209]	-22.53	0.00	12.18	0.00	-66.43	0.00
209	gLCB3	I[209]	-25.69	0.00	3.62	0.00	-21.03	0.00
209	gLCB4	I[209]	-22.53	0.00	3.82	0.00	-21.85	0.00
209	gLCB5	I[209]	-24.01	0.00	12.10	0.00	-66.11	0.00
209	gLCB6	I[209]	-20.85	0.00	12.30	0.00	-66.93	0.00
209	gLCB7	I[209]	-24.01	0.00	3.74	0.00	-21.53	0.00
209	gLCB8	I[209]	-20.85	0.00	3.95	0.00	-22.35	0.00
209	gLCB9	I[209]	-21.98	0.00	12.10	0.00	-66.13	0.00
209	gLCB10	I[209]	-18.82	0.00	12.31	0.00	-66.95	0.00
209	gLCB11	I[209]	-21.98	0.00	3.75	0.00	-21.55	0.00
209	gLCB12	I[209]	-18.82	0.00	3.95	0.00	-22.37	0.00
209	gLCB13	I[209]	-20.30	0.00	12.23	0.00	-66.63	0.00
209	gLCB14	I[209]	-17.14	0.00	12.43	0.00	-67.45	0.00
209	gLCB15	I[209]	-20.30	0.00	3.87	0.00	-22.05	0.00
209	gLCB16	I[209]	-17.14	0.00	4.08	0.00	-22.87	0.00
209	gLCB17(max)	I[209]	-3.88	0.00	0.15	0.00	2.32	0.00
209	gLCB18(max)	I[209]	-4.06	0.00	0.08	0.00	2.63	0.00
209	gLCB19(max)	I[209]	0.18	0.00	0.08	0.00	2.63	0.00
209	gLCB20(max)	I[209]	0.00	0.00	0.00	0.00	2.93	0.00
209	gLCB21(max)	I[209]	-3.88	0.00	0.15	0.00	3.73	0.00
209	gLCB22(max)	I[209]	-4.06	0.00	0.08	0.00	4.03	0.00
209	gLCB23(max)	I[209]	0.18	0.00	0.08	0.00	4.03	0.00
209	gLCB24(max)	I[209]	0.00	0.00	0.00	0.00	4.34	0.00
209	gLCB17(min)	I[209]	-10.80	0.00	-0.58	0.00	-0.61	0.00
209	gLCB18(min)	I[209]	-10.97	0.00	-0.66	0.00	-0.31	0.00
209	gLCB19(min)	I[209]	-6.74	0.00	-0.66	0.00	-0.31	0.00
209	gLCB20(min)	I[209]	-6.92	0.00	-0.73	0.00	0.00	0.00
209	gLCB21(min)	I[209]	-14.07	0.00	-0.93	0.00	-0.61	0.00
209	gLCB22(min)	I[209]	-14.25	0.00	-1.01	0.00	-0.31	0.00
209	gLCB23(min)	I[209]	-10.01	0.00	-1.01	0.00	-0.31	0.00
209	gLCB24(min)	I[209]	-10.19	0.00	-1.08	0.00	0.00	0.00
210	gLCB1	I[212]	-25.32	0.00	9.90	0.00	76.54	0.00
210	gLCB2	I[212]	-22.16	0.00	10.11	0.00	77.56	0.00
210	gLCB3	I[212]	-25.32	0.00	2.85	0.00	24.26	0.00
210	gLCB4	I[212]	-22.16	0.00	3.06	0.00	25.28	0.00
210	gLCB5	I[212]	-23.63	0.00	10.03	0.00	77.17	0.00
210	gLCB6	I[212]	-20.47	0.00	10.23	0.00	78.19	0.00
210	gLCB7	I[212]	-23.63	0.00	2.98	0.00	24.89	0.00
210	gLCB8	I[212]	-20.47	0.00	3.18	0.00	25.91	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
210	gLCB9	I[212]	-21.71	0.00	10.03	0.00	77.19	0.00
210	gLCB10	I[212]	-18.55	0.00	10.24	0.00	78.21	0.00
210	gLCB11	I[212]	-21.71	0.00	2.98	0.00	24.91	0.00
210	gLCB12	I[212]	-18.55	0.00	3.19	0.00	25.93	0.00
210	gLCB13	I[212]	-20.03	0.00	10.16	0.00	77.82	0.00
210	gLCB14	I[212]	-16.87	0.00	10.36	0.00	78.84	0.00
210	gLCB15	I[212]	-20.03	0.00	3.11	0.00	25.54	0.00
210	gLCB16	I[212]	-16.87	0.00	3.31	0.00	26.56	0.00
210	gLCB17(max)	I[212]	-3.88	0.00	0.15	0.00	0.76	0.00
210	gLCB18(max)	I[212]	0.18	0.00	0.08	0.00	0.38	0.00
210	gLCB19(max)	I[212]	-4.06	0.00	0.08	0.00	0.38	0.00
210	gLCB20(max)	I[212]	0.00	0.00	0.00	0.00	0.00	0.00
210	gLCB21(max)	I[212]	-3.88	0.00	0.15	0.00	0.76	0.00
210	gLCB22(max)	I[212]	0.18	0.00	0.08	0.00	0.38	0.00
210	gLCB23(max)	I[212]	-4.06	0.00	0.08	0.00	0.38	0.00
210	gLCB24(max)	I[212]	0.00	0.00	0.00	0.00	0.00	0.00
210	gLCB17(min)	I[212]	-10.80	0.00	-0.58	0.00	-2.90	0.00
210	gLCB18(min)	I[212]	-6.74	0.00	-0.66	0.00	-3.28	0.00
210	gLCB19(min)	I[212]	-10.97	0.00	-0.66	0.00	-3.28	0.00
210	gLCB20(min)	I[212]	-6.92	0.00	-0.73	0.00	-3.66	0.00
210	gLCB21(min)	I[212]	-14.07	0.00	-0.93	0.00	-4.66	0.00
210	gLCB22(min)	I[212]	-10.01	0.00	-1.01	0.00	-5.04	0.00
210	gLCB23(min)	I[212]	-14.25	0.00	-1.01	0.00	-5.04	0.00
210	gLCB24(min)	I[212]	-10.19	0.00	-1.08	0.00	-5.42	0.00
211	gLCB1	I[211]	-25.32	0.00	9.90	0.00	-76.54	0.00
211	gLCB2	I[211]	-22.16	0.00	10.11	0.00	-77.56	0.00
211	gLCB3	I[211]	-25.32	0.00	2.85	0.00	-24.26	0.00
211	gLCB4	I[211]	-22.16	0.00	3.06	0.00	-25.28	0.00
211	gLCB5	I[211]	-23.63	0.00	10.03	0.00	-77.17	0.00
211	gLCB6	I[211]	-20.47	0.00	10.23	0.00	-78.19	0.00
211	gLCB7	I[211]	-23.63	0.00	2.98	0.00	-24.89	0.00
211	gLCB8	I[211]	-20.47	0.00	3.18	0.00	-25.91	0.00
211	gLCB9	I[211]	-21.71	0.00	10.03	0.00	-77.19	0.00
211	gLCB10	I[211]	-18.55	0.00	10.24	0.00	-78.21	0.00
211	gLCB11	I[211]	-21.71	0.00	2.98	0.00	-24.91	0.00
211	gLCB12	I[211]	-18.55	0.00	3.19	0.00	-25.93	0.00
211	gLCB13	I[211]	-20.03	0.00	10.16	0.00	-77.82	0.00
211	gLCB14	I[211]	-16.87	0.00	10.36	0.00	-78.84	0.00
211	gLCB15	I[211]	-20.03	0.00	3.11	0.00	-25.54	0.00
211	gLCB16	I[211]	-16.87	0.00	3.31	0.00	-26.56	0.00
211	gLCB17(max)	I[211]	-3.88	0.00	0.15	0.00	2.90	0.00
211	gLCB18(max)	I[211]	-4.06	0.00	0.08	0.00	3.28	0.00
211	gLCB19(max)	I[211]	0.18	0.00	0.08	0.00	3.28	0.00
211	gLCB20(max)	I[211]	0.00	0.00	0.00	0.00	3.66	0.00
211	gLCB21(max)	I[211]	-3.88	0.00	0.15	0.00	4.66	0.00
211	gLCB22(max)	I[211]	-4.06	0.00	0.08	0.00	5.04	0.00
211	gLCB23(max)	I[211]	0.18	0.00	0.08	0.00	5.04	0.00
211	gLCB24(max)	I[211]	0.00	0.00	0.00	0.00	5.42	0.00
211	gLCB17(min)	I[211]	-10.80	0.00	-0.58	0.00	-0.76	0.00
211	gLCB18(min)	I[211]	-10.97	0.00	-0.66	0.00	-0.38	0.00
211	gLCB19(min)	I[211]	-6.74	0.00	-0.66	0.00	-0.38	0.00
211	gLCB20(min)	I[211]	-6.92	0.00	-0.73	0.00	0.00	0.00
211	gLCB21(min)	I[211]	-14.07	0.00	-0.93	0.00	-0.76	0.00
211	gLCB22(min)	I[211]	-14.25	0.00	-1.01	0.00	-0.38	0.00
211	gLCB23(min)	I[211]	-10.01	0.00	-1.01	0.00	-0.38	0.00
211	gLCB24(min)	I[211]	-10.19	0.00	-1.08	0.00	0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
212	gLCB1	I[214]	-24.94	0.00	7.91	0.00	85.44	0.00
212	gLCB2	I[214]	-21.78	0.00	8.12	0.00	86.67	0.00
212	gLCB3	I[214]	-24.94	0.00	2.11	0.00	26.74	0.00
212	gLCB4	I[214]	-21.78	0.00	2.32	0.00	27.97	0.00
212	gLCB5	I[214]	-23.26	0.00	8.04	0.00	86.19	0.00
212	gLCB6	I[214]	-20.10	0.00	8.24	0.00	87.42	0.00
212	gLCB7	I[214]	-23.26	0.00	2.24	0.00	27.49	0.00
212	gLCB8	I[214]	-20.10	0.00	2.44	0.00	28.72	0.00
212	gLCB9	I[214]	-21.44	0.00	8.04	0.00	86.22	0.00
212	gLCB10	I[214]	-18.28	0.00	8.25	0.00	87.45	0.00
212	gLCB11	I[214]	-21.44	0.00	2.24	0.00	27.52	0.00
212	gLCB12	I[214]	-18.28	0.00	2.45	0.00	28.75	0.00
212	gLCB13	I[214]	-19.76	0.00	8.17	0.00	86.97	0.00
212	gLCB14	I[214]	-16.60	0.00	8.37	0.00	88.20	0.00
212	gLCB15	I[214]	-19.76	0.00	2.37	0.00	28.27	0.00
212	gLCB16	I[214]	-16.60	0.00	2.57	0.00	29.50	0.00
212	gLCB17(max)	I[214]	-3.88	0.00	0.15	0.00	0.92	0.00
212	gLCB18(max)	I[214]	0.18	0.00	0.08	0.00	0.46	0.00
212	gLCB19(max)	I[214]	-4.06	0.00	0.08	0.00	0.46	0.00
212	gLCB20(max)	I[214]	0.00	0.00	0.00	0.00	0.00	0.00
212	gLCB21(max)	I[214]	-3.88	0.00	0.15	0.00	0.92	0.00
212	gLCB22(max)	I[214]	0.18	0.00	0.08	0.00	0.46	0.00
212	gLCB23(max)	I[214]	-4.06	0.00	0.08	0.00	0.46	0.00
212	gLCB24(max)	I[214]	0.00	0.00	0.00	0.00	0.00	0.00
212	gLCB17(min)	I[214]	-10.80	0.00	-0.58	0.00	-3.48	0.00
212	gLCB18(min)	I[214]	-6.74	0.00	-0.66	0.00	-3.94	0.00
212	gLCB19(min)	I[214]	-10.97	0.00	-0.66	0.00	-3.94	0.00
212	gLCB20(min)	I[214]	-6.92	0.00	-0.73	0.00	-4.40	0.00
212	gLCB21(min)	I[214]	-14.07	0.00	-0.93	0.00	-5.59	0.00
212	gLCB22(min)	I[214]	-10.01	0.00	-1.01	0.00	-6.05	0.00
212	gLCB23(min)	I[214]	-14.25	0.00	-1.01	0.00	-6.05	0.00
212	gLCB24(min)	I[214]	-10.19	0.00	-1.08	0.00	-6.50	0.00
213	gLCB1	I[213]	-24.94	0.00	7.91	0.00	-85.44	0.00
213	gLCB2	I[213]	-21.78	0.00	8.12	0.00	-86.67	0.00
213	gLCB3	I[213]	-24.94	0.00	2.11	0.00	-26.74	0.00
213	gLCB4	I[213]	-21.78	0.00	2.32	0.00	-27.97	0.00
213	gLCB5	I[213]	-23.26	0.00	8.04	0.00	-86.19	0.00
213	gLCB6	I[213]	-20.10	0.00	8.24	0.00	-87.42	0.00
213	gLCB7	I[213]	-23.26	0.00	2.24	0.00	-27.49	0.00
213	gLCB8	I[213]	-20.10	0.00	2.44	0.00	-28.72	0.00
213	gLCB9	I[213]	-21.44	0.00	8.04	0.00	-86.22	0.00
213	gLCB10	I[213]	-18.28	0.00	8.25	0.00	-87.45	0.00
213	gLCB11	I[213]	-21.44	0.00	2.24	0.00	-27.52	0.00
213	gLCB12	I[213]	-18.28	0.00	2.45	0.00	-28.75	0.00
213	gLCB13	I[213]	-19.76	0.00	8.17	0.00	-86.97	0.00
213	gLCB14	I[213]	-16.60	0.00	8.37	0.00	-88.20	0.00
213	gLCB15	I[213]	-19.76	0.00	2.37	0.00	-28.27	0.00
213	gLCB16	I[213]	-16.60	0.00	2.57	0.00	-29.50	0.00
213	gLCB17(max)	I[213]	-3.88	0.00	0.15	0.00	3.48	0.00
213	gLCB18(max)	I[213]	-4.06	0.00	0.08	0.00	3.94	0.00
213	gLCB19(max)	I[213]	0.18	0.00	0.08	0.00	3.94	0.00
213	gLCB20(max)	I[213]	0.00	0.00	0.00	0.00	4.40	0.00
213	gLCB21(max)	I[213]	-3.88	0.00	0.15	0.00	5.59	0.00
213	gLCB22(max)	I[213]	-4.06	0.00	0.08	0.00	6.05	0.00
213	gLCB23(max)	I[213]	0.18	0.00	0.08	0.00	6.05	0.00
213	gLCB24(max)	I[213]	0.00	0.00	0.00	0.00	6.50	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
213	gLCB17(min)	I[213]	-10.80	0.00	-0.58	0.00	-0.92	0.00
213	gLCB18(min)	I[213]	-10.97	0.00	-0.66	0.00	-0.46	0.00
213	gLCB19(min)	I[213]	-6.74	0.00	-0.66	0.00	-0.46	0.00
213	gLCB20(min)	I[213]	-6.92	0.00	-0.73	0.00	0.00	0.00
213	gLCB21(min)	I[213]	-14.07	0.00	-0.93	0.00	-0.92	0.00
213	gLCB22(min)	I[213]	-14.25	0.00	-1.01	0.00	-0.46	0.00
213	gLCB23(min)	I[213]	-10.01	0.00	-1.01	0.00	-0.46	0.00
213	gLCB24(min)	I[213]	-10.19	0.00	-1.08	0.00	0.00	0.00
214	gLCB1	I[216]	-24.57	0.00	6.00	0.00	92.40	0.00
214	gLCB2	I[216]	-21.41	0.00	6.21	0.00	93.83	0.00
214	gLCB3	I[216]	-24.57	0.00	1.41	0.00	28.50	0.00
214	gLCB4	I[216]	-21.41	0.00	1.61	0.00	29.93	0.00
214	gLCB5	I[216]	-22.88	0.00	6.13	0.00	93.27	0.00
214	gLCB6	I[216]	-19.72	0.00	6.33	0.00	94.70	0.00
214	gLCB7	I[216]	-22.88	0.00	1.53	0.00	29.38	0.00
214	gLCB8	I[216]	-19.72	0.00	1.74	0.00	30.81	0.00
214	gLCB9	I[216]	-21.17	0.00	6.13	0.00	93.31	0.00
214	gLCB10	I[216]	-18.01	0.00	6.34	0.00	94.74	0.00
214	gLCB11	I[216]	-21.17	0.00	1.54	0.00	29.41	0.00
214	gLCB12	I[216]	-18.01	0.00	1.74	0.00	30.84	0.00
214	gLCB13	I[216]	-19.49	0.00	6.26	0.00	94.18	0.00
214	gLCB14	I[216]	-16.33	0.00	6.46	0.00	95.61	0.00
214	gLCB15	I[216]	-19.49	0.00	1.66	0.00	30.29	0.00
214	gLCB16	I[216]	-16.33	0.00	1.87	0.00	31.72	0.00
214	gLCB17(max)	I[216]	-3.88	0.00	0.15	0.00	1.07	0.00
214	gLCB18(max)	I[216]	0.18	0.00	0.08	0.00	0.53	0.00
214	gLCB19(max)	I[216]	-4.06	0.00	0.08	0.00	0.53	0.00
214	gLCB20(max)	I[216]	0.00	0.00	0.00	0.00	0.00	0.00
214	gLCB21(max)	I[216]	-3.88	0.00	0.15	0.00	1.07	0.00
214	gLCB22(max)	I[216]	0.18	0.00	0.08	0.00	0.53	0.00
214	gLCB23(max)	I[216]	-4.06	0.00	0.08	0.00	0.53	0.00
214	gLCB24(max)	I[216]	0.00	0.00	0.00	0.00	0.00	0.00
214	gLCB17(min)	I[216]	-10.80	0.00	-0.58	0.00	-4.06	0.00
214	gLCB18(min)	I[216]	-6.74	0.00	-0.66	0.00	-4.59	0.00
214	gLCB19(min)	I[216]	-10.97	0.00	-0.66	0.00	-4.59	0.00
214	gLCB20(min)	I[216]	-6.92	0.00	-0.73	0.00	-5.13	0.00
214	gLCB21(min)	I[216]	-14.07	0.00	-0.93	0.00	-6.52	0.00
214	gLCB22(min)	I[216]	-10.01	0.00	-1.01	0.00	-7.05	0.00
214	gLCB23(min)	I[216]	-14.25	0.00	-1.01	0.00	-7.05	0.00
214	gLCB24(min)	I[216]	-10.19	0.00	-1.08	0.00	-7.59	0.00
215	gLCB1	I[215]	-24.57	0.00	6.00	0.00	-92.40	0.00
215	gLCB2	I[215]	-21.41	0.00	6.21	0.00	-93.83	0.00
215	gLCB3	I[215]	-24.57	0.00	1.41	0.00	-28.50	0.00
215	gLCB4	I[215]	-21.41	0.00	1.61	0.00	-29.93	0.00
215	gLCB5	I[215]	-22.88	0.00	6.13	0.00	-93.27	0.00
215	gLCB6	I[215]	-19.72	0.00	6.33	0.00	-94.70	0.00
215	gLCB7	I[215]	-22.88	0.00	1.53	0.00	-29.38	0.00
215	gLCB8	I[215]	-19.72	0.00	1.74	0.00	-30.81	0.00
215	gLCB9	I[215]	-21.17	0.00	6.13	0.00	-93.31	0.00
215	gLCB10	I[215]	-18.01	0.00	6.34	0.00	-94.74	0.00
215	gLCB11	I[215]	-21.17	0.00	1.54	0.00	-29.41	0.00
215	gLCB12	I[215]	-18.01	0.00	1.74	0.00	-30.84	0.00
215	gLCB13	I[215]	-19.49	0.00	6.26	0.00	-94.18	0.00
215	gLCB14	I[215]	-16.33	0.00	6.46	0.00	-95.61	0.00
215	gLCB15	I[215]	-19.49	0.00	1.66	0.00	-30.29	0.00
215	gLCB16	I[215]	-16.33	0.00	1.87	0.00	-31.72	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
215	gLCB17(max)	I[215]	-3.88	0.00	0.15	0.00	4.06	0.00
215	gLCB18(max)	I[215]	-4.06	0.00	0.08	0.00	4.59	0.00
215	gLCB19(max)	I[215]	0.18	0.00	0.08	0.00	4.59	0.00
215	gLCB20(max)	I[215]	0.00	0.00	0.00	0.00	5.13	0.00
215	gLCB21(max)	I[215]	-3.88	0.00	0.15	0.00	6.52	0.00
215	gLCB22(max)	I[215]	-4.06	0.00	0.08	0.00	7.05	0.00
215	gLCB23(max)	I[215]	0.18	0.00	0.08	0.00	7.05	0.00
215	gLCB24(max)	I[215]	0.00	0.00	0.00	0.00	7.59	0.00
215	gLCB17(min)	I[215]	-10.80	0.00	-0.58	0.00	-1.07	0.00
215	gLCB18(min)	I[215]	-10.97	0.00	-0.66	0.00	-0.53	0.00
215	gLCB19(min)	I[215]	-6.74	0.00	-0.66	0.00	-0.53	0.00
215	gLCB20(min)	I[215]	-6.92	0.00	-0.73	0.00	0.00	0.00
215	gLCB21(min)	I[215]	-14.07	0.00	-0.93	0.00	-1.07	0.00
215	gLCB22(min)	I[215]	-14.25	0.00	-1.01	0.00	-0.53	0.00
215	gLCB23(min)	I[215]	-10.01	0.00	-1.01	0.00	-0.53	0.00
215	gLCB24(min)	I[215]	-10.19	0.00	-1.08	0.00	0.00	0.00
216	gLCB1	I[218]	-24.19	0.00	4.17	0.00	97.48	0.00
216	gLCB2	I[218]	-21.03	0.00	4.38	0.00	99.11	0.00
216	gLCB3	I[218]	-24.19	0.00	0.73	0.00	29.57	0.00
216	gLCB4	I[218]	-21.03	0.00	0.93	0.00	31.20	0.00
216	gLCB5	I[218]	-22.51	0.00	4.30	0.00	98.48	0.00
216	gLCB6	I[218]	-19.35	0.00	4.50	0.00	100.11	0.00
216	gLCB7	I[218]	-22.51	0.00	0.85	0.00	30.57	0.00
216	gLCB8	I[218]	-19.35	0.00	1.06	0.00	32.20	0.00
216	gLCB9	I[218]	-20.90	0.00	4.30	0.00	98.52	0.00
216	gLCB10	I[218]	-17.74	0.00	4.51	0.00	100.15	0.00
216	gLCB11	I[218]	-20.90	0.00	0.86	0.00	30.61	0.00
216	gLCB12	I[218]	-17.74	0.00	1.06	0.00	32.24	0.00
216	gLCB13	I[218]	-19.22	0.00	4.43	0.00	99.52	0.00
216	gLCB14	I[218]	-16.06	0.00	4.63	0.00	101.15	0.00
216	gLCB15	I[218]	-19.22	0.00	0.98	0.00	31.61	0.00
216	gLCB16	I[218]	-16.06	0.00	1.19	0.00	33.24	0.00
216	gLCB17(max)	I[218]	-3.88	0.00	0.15	0.00	1.22	0.00
216	gLCB18(max)	I[218]	0.18	0.00	0.08	0.00	0.61	0.00
216	gLCB19(max)	I[218]	-4.06	0.00	0.08	0.00	0.61	0.00
216	gLCB20(max)	I[218]	0.00	0.00	0.00	0.00	0.00	0.00
216	gLCB21(max)	I[218]	-3.88	0.00	0.15	0.00	1.22	0.00
216	gLCB22(max)	I[218]	0.18	0.00	0.08	0.00	0.61	0.00
216	gLCB23(max)	I[218]	-4.06	0.00	0.08	0.00	0.61	0.00
216	gLCB24(max)	I[218]	0.00	0.00	0.00	0.00	0.00	0.00
216	gLCB17(min)	I[218]	-10.80	0.00	-0.58	0.00	-4.64	0.00
216	gLCB18(min)	I[218]	-6.74	0.00	-0.66	0.00	-5.25	0.00
216	gLCB19(min)	I[218]	-10.97	0.00	-0.66	0.00	-5.25	0.00
216	gLCB20(min)	I[218]	-6.92	0.00	-0.73	0.00	-5.86	0.00
216	gLCB21(min)	I[218]	-14.07	0.00	-0.93	0.00	-7.45	0.00
216	gLCB22(min)	I[218]	-10.01	0.00	-1.01	0.00	-8.06	0.00
216	gLCB23(min)	I[218]	-14.25	0.00	-1.01	0.00	-8.06	0.00
216	gLCB24(min)	I[218]	-10.19	0.00	-1.08	0.00	-8.67	0.00
217	gLCB1	I[217]	-24.19	0.00	4.17	0.00	-97.48	0.00
217	gLCB2	I[217]	-21.03	0.00	4.38	0.00	-99.11	0.00
217	gLCB3	I[217]	-24.19	0.00	0.73	0.00	-29.57	0.00
217	gLCB4	I[217]	-21.03	0.00	0.93	0.00	-31.20	0.00
217	gLCB5	I[217]	-22.51	0.00	4.30	0.00	-98.48	0.00
217	gLCB6	I[217]	-19.35	0.00	4.50	0.00	-100.11	0.00
217	gLCB7	I[217]	-22.51	0.00	0.85	0.00	-30.57	0.00
217	gLCB8	I[217]	-19.35	0.00	1.06	0.00	-32.20	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
217	gLCB9	I[217]	-20.90	0.00	4.30	0.00	-98.52	0.00
217	gLCB10	I[217]	-17.74	0.00	4.51	0.00	-100.15	0.00
217	gLCB11	I[217]	-20.90	0.00	0.86	0.00	-30.61	0.00
217	gLCB12	I[217]	-17.74	0.00	1.06	0.00	-32.24	0.00
217	gLCB13	I[217]	-19.22	0.00	4.43	0.00	-99.52	0.00
217	gLCB14	I[217]	-16.06	0.00	4.63	0.00	-101.15	0.00
217	gLCB15	I[217]	-19.22	0.00	0.98	0.00	-31.61	0.00
217	gLCB16	I[217]	-16.06	0.00	1.19	0.00	-33.24	0.00
217	gLCB17(max)	I[217]	-3.88	0.00	0.15	0.00	4.64	0.00
217	gLCB18(max)	I[217]	-4.06	0.00	0.08	0.00	5.25	0.00
217	gLCB19(max)	I[217]	0.18	0.00	0.08	0.00	5.25	0.00
217	gLCB20(max)	I[217]	0.00	0.00	0.00	0.00	5.86	0.00
217	gLCB21(max)	I[217]	-3.88	0.00	0.15	0.00	7.45	0.00
217	gLCB22(max)	I[217]	-4.06	0.00	0.08	0.00	8.06	0.00
217	gLCB23(max)	I[217]	0.18	0.00	0.08	0.00	8.06	0.00
217	gLCB24(max)	I[217]	0.00	0.00	0.00	0.00	8.67	0.00
217	gLCB17(min)	I[217]	-10.80	0.00	-0.58	0.00	-1.22	0.00
217	gLCB18(min)	I[217]	-10.97	0.00	-0.66	0.00	-0.61	0.00
217	gLCB19(min)	I[217]	-6.74	0.00	-0.66	0.00	-0.61	0.00
217	gLCB20(min)	I[217]	-6.92	0.00	-0.73	0.00	0.00	0.00
217	gLCB21(min)	I[217]	-14.07	0.00	-0.93	0.00	-1.22	0.00
217	gLCB22(min)	I[217]	-14.25	0.00	-1.01	0.00	-0.61	0.00
217	gLCB23(min)	I[217]	-10.01	0.00	-1.01	0.00	-0.61	0.00
217	gLCB24(min)	I[217]	-10.19	0.00	-1.08	0.00	0.00	0.00
218	gLCB1	I[220]	-23.82	0.00	2.42	0.00	100.77	0.00
218	gLCB2	I[220]	-20.66	0.00	2.63	0.00	102.61	0.00
218	gLCB3	I[220]	-23.82	0.00	0.08	0.00	29.97	0.00
218	gLCB4	I[220]	-20.66	0.00	0.28	0.00	31.81	0.00
218	gLCB5	I[220]	-22.13	0.00	2.55	0.00	101.89	0.00
218	gLCB6	I[220]	-18.97	0.00	2.75	0.00	103.73	0.00
218	gLCB7	I[220]	-22.13	0.00	0.20	0.00	31.09	0.00
218	gLCB8	I[220]	-18.97	0.00	0.41	0.00	32.93	0.00
218	gLCB9	I[220]	-20.63	0.00	2.55	0.00	101.94	0.00
218	gLCB10	I[220]	-17.47	0.00	2.76	0.00	103.78	0.00
218	gLCB11	I[220]	-20.63	0.00	0.21	0.00	31.14	0.00
218	gLCB12	I[220]	-17.47	0.00	0.41	0.00	32.98	0.00
218	gLCB13	I[220]	-18.95	0.00	2.68	0.00	103.06	0.00
218	gLCB14	I[220]	-15.79	0.00	2.88	0.00	104.90	0.00
218	gLCB15	I[220]	-18.95	0.00	0.33	0.00	32.26	0.00
218	gLCB16	I[220]	-15.79	0.00	0.54	0.00	34.10	0.00
218	gLCB17(max)	I[220]	-3.88	0.00	0.15	0.00	1.37	0.00
218	gLCB18(max)	I[220]	0.18	0.00	0.08	0.00	0.69	0.00
218	gLCB19(max)	I[220]	-4.06	0.00	0.08	0.00	0.69	0.00
218	gLCB20(max)	I[220]	0.00	0.00	0.00	0.00	0.00	0.00
218	gLCB21(max)	I[220]	-3.88	0.00	0.15	0.00	1.37	0.00
218	gLCB22(max)	I[220]	0.18	0.00	0.08	0.00	0.69	0.00
218	gLCB23(max)	I[220]	-4.06	0.00	0.08	0.00	0.69	0.00
218	gLCB24(max)	I[220]	0.00	0.00	0.00	0.00	0.00	0.00
218	gLCB17(min)	I[220]	-10.80	0.00	-0.58	0.00	-5.22	0.00
218	gLCB18(min)	I[220]	-6.74	0.00	-0.66	0.00	-5.91	0.00
218	gLCB19(min)	I[220]	-10.97	0.00	-0.66	0.00	-5.91	0.00
218	gLCB20(min)	I[220]	-6.92	0.00	-0.73	0.00	-6.59	0.00
218	gLCB21(min)	I[220]	-14.07	0.00	-0.93	0.00	-8.38	0.00
218	gLCB22(min)	I[220]	-10.01	0.00	-1.01	0.00	-9.07	0.00
218	gLCB23(min)	I[220]	-14.25	0.00	-1.01	0.00	-9.07	0.00
218	gLCB24(min)	I[220]	-10.19	0.00	-1.08	0.00	-9.76	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
219	gLCB1	I[219]	-23.82	0.00	2.42	0.00	-100.77	0.00
219	gLCB2	I[219]	-20.66	0.00	2.63	0.00	-102.61	0.00
219	gLCB3	I[219]	-23.82	0.00	0.08	0.00	-29.97	0.00
219	gLCB4	I[219]	-20.66	0.00	0.28	0.00	-31.81	0.00
219	gLCB5	I[219]	-22.13	0.00	2.55	0.00	-101.89	0.00
219	gLCB6	I[219]	-18.97	0.00	2.75	0.00	-103.73	0.00
219	gLCB7	I[219]	-22.13	0.00	0.20	0.00	-31.09	0.00
219	gLCB8	I[219]	-18.97	0.00	0.41	0.00	-32.93	0.00
219	gLCB9	I[219]	-20.63	0.00	2.55	0.00	-101.94	0.00
219	gLCB10	I[219]	-17.47	0.00	2.76	0.00	-103.78	0.00
219	gLCB11	I[219]	-20.63	0.00	0.21	0.00	-31.14	0.00
219	gLCB12	I[219]	-17.47	0.00	0.41	0.00	-32.98	0.00
219	gLCB13	I[219]	-18.95	0.00	2.68	0.00	-103.06	0.00
219	gLCB14	I[219]	-15.79	0.00	2.88	0.00	-104.90	0.00
219	gLCB15	I[219]	-18.95	0.00	0.33	0.00	-32.26	0.00
219	gLCB16	I[219]	-15.79	0.00	0.54	0.00	-34.10	0.00
219	gLCB17(max)	I[219]	-3.88	0.00	0.15	0.00	5.22	0.00
219	gLCB18(max)	I[219]	-4.06	0.00	0.08	0.00	5.91	0.00
219	gLCB19(max)	I[219]	0.18	0.00	0.08	0.00	5.91	0.00
219	gLCB20(max)	I[219]	0.00	0.00	0.00	0.00	6.59	0.00
219	gLCB21(max)	I[219]	-3.88	0.00	0.15	0.00	8.38	0.00
219	gLCB22(max)	I[219]	-4.06	0.00	0.08	0.00	9.07	0.00
219	gLCB23(max)	I[219]	0.18	0.00	0.08	0.00	9.07	0.00
219	gLCB24(max)	I[219]	0.00	0.00	0.00	0.00	9.76	0.00
219	gLCB17(min)	I[219]	-10.80	0.00	-0.58	0.00	-1.37	0.00
219	gLCB18(min)	I[219]	-10.97	0.00	-0.66	0.00	-0.69	0.00
219	gLCB19(min)	I[219]	-6.74	0.00	-0.66	0.00	-0.69	0.00
219	gLCB20(min)	I[219]	-6.92	0.00	-0.73	0.00	0.00	0.00
219	gLCB21(min)	I[219]	-14.07	0.00	-0.93	0.00	-1.37	0.00
219	gLCB22(min)	I[219]	-14.25	0.00	-1.01	0.00	-0.69	0.00
219	gLCB23(min)	I[219]	-10.01	0.00	-1.01	0.00	-0.69	0.00
219	gLCB24(min)	I[219]	-10.19	0.00	-1.08	0.00	0.00	0.00
220	gLCB1	I[222]	-23.44	0.00	0.75	0.00	102.35	0.00
220	gLCB2	I[222]	-20.28	0.00	0.95	0.00	104.39	0.00
220	gLCB3	I[222]	-23.44	0.00	-0.54	0.00	29.73	0.00
220	gLCB4	I[222]	-20.28	0.00	-0.34	0.00	31.78	0.00
220	gLCB5	I[222]	-21.76	0.00	0.87	0.00	103.60	0.00
220	gLCB6	I[222]	-18.60	0.00	1.08	0.00	105.64	0.00
220	gLCB7	I[222]	-21.76	0.00	-0.41	0.00	30.98	0.00
220	gLCB8	I[222]	-18.60	0.00	-0.21	0.00	33.03	0.00
220	gLCB9	I[222]	-20.36	0.00	0.88	0.00	103.65	0.00
220	gLCB10	I[222]	-17.20	0.00	1.08	0.00	105.69	0.00
220	gLCB11	I[222]	-20.36	0.00	-0.41	0.00	31.03	0.00
220	gLCB12	I[222]	-17.20	0.00	-0.21	0.00	33.08	0.00
220	gLCB13	I[222]	-18.68	0.00	1.00	0.00	104.90	0.00
220	gLCB14	I[222]	-15.52	0.00	1.21	0.00	106.94	0.00
220	gLCB15	I[222]	-18.68	0.00	-0.28	0.00	32.28	0.00
220	gLCB16	I[222]	-15.52	0.00	-0.08	0.00	34.33	0.00
220	gLCB17(max)	I[222]	-3.88	0.00	0.15	0.00	1.53	0.00
220	gLCB18(max)	I[222]	0.18	0.00	0.08	0.00	0.76	0.00
220	gLCB19(max)	I[222]	-4.06	0.00	0.08	0.00	0.76	0.00
220	gLCB20(max)	I[222]	0.00	0.00	0.00	0.00	0.00	0.00
220	gLCB21(max)	I[222]	-3.88	0.00	0.15	0.00	1.53	0.00
220	gLCB22(max)	I[222]	0.18	0.00	0.08	0.00	0.76	0.00
220	gLCB23(max)	I[222]	-4.06	0.00	0.08	0.00	0.76	0.00
220	gLCB24(max)	I[222]	0.00	0.00	0.00	0.00	0.00	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
220	gLCB17(min)	I[222]	-10.80	0.00	-0.58	0.00	-5.80	0.00
220	gLCB18(min)	I[222]	-6.74	0.00	-0.66	0.00	-6.56	0.00
220	gLCB19(min)	I[222]	-10.97	0.00	-0.66	0.00	-6.56	0.00
220	gLCB20(min)	I[222]	-6.92	0.00	-0.73	0.00	-7.33	0.00
220	gLCB21(min)	I[222]	-14.07	0.00	-0.93	0.00	-9.31	0.00
220	gLCB22(min)	I[222]	-10.01	0.00	-1.01	0.00	-10.08	0.00
220	gLCB23(min)	I[222]	-14.25	0.00	-1.01	0.00	-10.08	0.00
220	gLCB24(min)	I[222]	-10.19	0.00	-1.08	0.00	-10.84	0.00
221	gLCB1	I[221]	-23.44	0.00	0.75	0.00	-102.35	0.00
221	gLCB2	I[221]	-20.28	0.00	0.95	0.00	-104.39	0.00
221	gLCB3	I[221]	-23.44	0.00	-0.54	0.00	-29.73	0.00
221	gLCB4	I[221]	-20.28	0.00	-0.34	0.00	-31.78	0.00
221	gLCB5	I[221]	-21.76	0.00	0.87	0.00	-103.60	0.00
221	gLCB6	I[221]	-18.60	0.00	1.08	0.00	-105.64	0.00
221	gLCB7	I[221]	-21.76	0.00	-0.41	0.00	-30.98	0.00
221	gLCB8	I[221]	-18.60	0.00	-0.21	0.00	-33.03	0.00
221	gLCB9	I[221]	-20.36	0.00	0.88	0.00	-103.65	0.00
221	gLCB10	I[221]	-17.20	0.00	1.08	0.00	-105.69	0.00
221	gLCB11	I[221]	-20.36	0.00	-0.41	0.00	-31.03	0.00
221	gLCB12	I[221]	-17.20	0.00	-0.21	0.00	-33.08	0.00
221	gLCB13	I[221]	-18.68	0.00	1.00	0.00	-104.90	0.00
221	gLCB14	I[221]	-15.52	0.00	1.21	0.00	-106.94	0.00
221	gLCB15	I[221]	-18.68	0.00	-0.28	0.00	-32.28	0.00
221	gLCB16	I[221]	-15.52	0.00	-0.08	0.00	-34.33	0.00
221	gLCB17(max)	I[221]	-3.88	0.00	0.15	0.00	5.80	0.00
221	gLCB18(max)	I[221]	-4.06	0.00	0.08	0.00	6.56	0.00
221	gLCB19(max)	I[221]	0.18	0.00	0.08	0.00	6.56	0.00
221	gLCB20(max)	I[221]	0.00	0.00	0.00	0.00	7.33	0.00
221	gLCB21(max)	I[221]	-3.88	0.00	0.15	0.00	9.31	0.00
221	gLCB22(max)	I[221]	-4.06	0.00	0.08	0.00	10.08	0.00
221	gLCB23(max)	I[221]	0.18	0.00	0.08	0.00	10.08	0.00
221	gLCB24(max)	I[221]	0.00	0.00	0.00	0.00	10.84	0.00
221	gLCB17(min)	I[221]	-10.80	0.00	-0.58	0.00	-1.53	0.00
221	gLCB18(min)	I[221]	-10.97	0.00	-0.66	0.00	-0.76	0.00
221	gLCB19(min)	I[221]	-6.74	0.00	-0.66	0.00	-0.76	0.00
221	gLCB20(min)	I[221]	-6.92	0.00	-0.73	0.00	0.00	0.00
221	gLCB21(min)	I[221]	-14.07	0.00	-0.93	0.00	-1.53	0.00
221	gLCB22(min)	I[221]	-14.25	0.00	-1.01	0.00	-0.76	0.00
221	gLCB23(min)	I[221]	-10.01	0.00	-1.01	0.00	-0.76	0.00
221	gLCB24(min)	I[221]	-10.19	0.00	-1.08	0.00	0.00	0.00
222	gLCB1	I[224]	-23.07	0.00	-0.84	0.00	102.29	0.00
222	gLCB2	I[224]	-19.91	0.00	-0.64	0.00	104.54	0.00
222	gLCB3	I[224]	-23.07	0.00	-1.13	0.00	28.90	0.00
222	gLCB4	I[224]	-19.91	0.00	-0.93	0.00	31.14	0.00
222	gLCB5	I[224]	-21.38	0.00	-0.72	0.00	103.67	0.00
222	gLCB6	I[224]	-18.22	0.00	-0.51	0.00	105.92	0.00
222	gLCB7	I[224]	-21.38	0.00	-1.00	0.00	30.27	0.00
222	gLCB8	I[224]	-18.22	0.00	-0.80	0.00	32.52	0.00
222	gLCB9	I[224]	-20.09	0.00	-0.71	0.00	103.72	0.00
222	gLCB10	I[224]	-16.93	0.00	-0.51	0.00	105.97	0.00
222	gLCB11	I[224]	-20.09	0.00	-1.00	0.00	30.33	0.00
222	gLCB12	I[224]	-16.93	0.00	-0.80	0.00	32.57	0.00
222	gLCB13	I[224]	-18.41	0.00	-0.59	0.00	105.10	0.00
222	gLCB14	I[224]	-15.25	0.00	-0.38	0.00	107.35	0.00
222	gLCB15	I[224]	-18.41	0.00	-0.87	0.00	31.70	0.00
222	gLCB16	I[224]	-15.25	0.00	-0.67	0.00	33.95	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
222	gLCB17(max)	I[224]	-3.88	0.00	0.15	0.00	1.68	0.00
222	gLCB18(max)	I[224]	0.18	0.00	0.08	0.00	0.84	0.00
222	gLCB19(max)	I[224]	-4.06	0.00	0.08	0.00	0.84	0.00
222	gLCB20(max)	I[224]	0.00	0.00	0.00	0.00	0.00	0.00
222	gLCB21(max)	I[224]	-3.88	0.00	0.15	0.00	1.68	0.00
222	gLCB22(max)	I[224]	0.18	0.00	0.08	0.00	0.84	0.00
222	gLCB23(max)	I[224]	-4.06	0.00	0.08	0.00	0.84	0.00
222	gLCB24(max)	I[224]	0.00	0.00	0.00	0.00	0.00	0.00
222	gLCB17(min)	I[224]	-10.80	0.00	-0.58	0.00	-6.38	0.00
222	gLCB18(min)	I[224]	-6.74	0.00	-0.66	0.00	-7.22	0.00
222	gLCB19(min)	I[224]	-10.97	0.00	-0.66	0.00	-7.22	0.00
222	gLCB20(min)	I[224]	-6.92	0.00	-0.73	0.00	-8.06	0.00
222	gLCB21(min)	I[224]	-14.07	0.00	-0.93	0.00	-10.25	0.00
222	gLCB22(min)	I[224]	-10.01	0.00	-1.01	0.00	-11.09	0.00
222	gLCB23(min)	I[224]	-14.25	0.00	-1.01	0.00	-11.09	0.00
222	gLCB24(min)	I[224]	-10.19	0.00	-1.08	0.00	-11.93	0.00
223	gLCB1	I[223]	-23.07	0.00	-0.84	0.00	-102.29	0.00
223	gLCB2	I[223]	-19.91	0.00	-0.64	0.00	-104.54	0.00
223	gLCB3	I[223]	-23.07	0.00	-1.13	0.00	-28.90	0.00
223	gLCB4	I[223]	-19.91	0.00	-0.93	0.00	-31.14	0.00
223	gLCB5	I[223]	-21.38	0.00	-0.72	0.00	-103.67	0.00
223	gLCB6	I[223]	-18.22	0.00	-0.51	0.00	-105.92	0.00
223	gLCB7	I[223]	-21.38	0.00	-1.00	0.00	-30.27	0.00
223	gLCB8	I[223]	-18.22	0.00	-0.80	0.00	-32.52	0.00
223	gLCB9	I[223]	-20.09	0.00	-0.71	0.00	-103.72	0.00
223	gLCB10	I[223]	-16.93	0.00	-0.51	0.00	-105.97	0.00
223	gLCB11	I[223]	-20.09	0.00	-1.00	0.00	-30.33	0.00
223	gLCB12	I[223]	-16.93	0.00	-0.80	0.00	-32.57	0.00
223	gLCB13	I[223]	-18.41	0.00	-0.59	0.00	-105.10	0.00
223	gLCB14	I[223]	-15.25	0.00	-0.38	0.00	-107.35	0.00
223	gLCB15	I[223]	-18.41	0.00	-0.87	0.00	-31.70	0.00
223	gLCB16	I[223]	-15.25	0.00	-0.67	0.00	-33.95	0.00
223	gLCB17(max)	I[223]	-3.88	0.00	0.15	0.00	6.38	0.00
223	gLCB18(max)	I[223]	-4.06	0.00	0.08	0.00	7.22	0.00
223	gLCB19(max)	I[223]	0.18	0.00	0.08	0.00	7.22	0.00
223	gLCB20(max)	I[223]	0.00	0.00	0.00	0.00	8.06	0.00
223	gLCB21(max)	I[223]	-3.88	0.00	0.15	0.00	10.25	0.00
223	gLCB22(max)	I[223]	-4.06	0.00	0.08	0.00	11.09	0.00
223	gLCB23(max)	I[223]	0.18	0.00	0.08	0.00	11.09	0.00
223	gLCB24(max)	I[223]	0.00	0.00	0.00	0.00	11.93	0.00
223	gLCB17(min)	I[223]	-10.80	0.00	-0.58	0.00	-1.68	0.00
223	gLCB18(min)	I[223]	-10.97	0.00	-0.66	0.00	-0.84	0.00
223	gLCB19(min)	I[223]	-6.74	0.00	-0.66	0.00	-0.84	0.00
223	gLCB20(min)	I[223]	-6.92	0.00	-0.73	0.00	0.00	0.00
223	gLCB21(min)	I[223]	-14.07	0.00	-0.93	0.00	-1.68	0.00
223	gLCB22(min)	I[223]	-14.25	0.00	-1.01	0.00	-0.84	0.00
223	gLCB23(min)	I[223]	-10.01	0.00	-1.01	0.00	-0.84	0.00
223	gLCB24(min)	I[223]	-10.19	0.00	-1.08	0.00	0.00	0.00
224	gLCB1	I[226]	-22.69	0.00	-2.36	0.00	100.69	0.00
224	gLCB2	I[226]	-19.53	0.00	-2.15	0.00	103.14	0.00
224	gLCB3	I[226]	-22.69	0.00	-1.69	0.00	27.48	0.00
224	gLCB4	I[226]	-19.53	0.00	-1.49	0.00	29.94	0.00
224	gLCB5	I[226]	-21.01	0.00	-2.23	0.00	102.19	0.00
224	gLCB6	I[226]	-17.85	0.00	-2.03	0.00	104.64	0.00
224	gLCB7	I[226]	-21.01	0.00	-1.57	0.00	28.98	0.00
224	gLCB8	I[226]	-17.85	0.00	-1.36	0.00	31.44	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
224	gLCB9	I[226]	-19.82	0.00	-2.23	0.00	102.25	0.00
224	gLCB10	I[226]	-16.66	0.00	-2.02	0.00	104.70	0.00
224	gLCB11	I[226]	-19.82	0.00	-1.56	0.00	29.05	0.00
224	gLCB12	I[226]	-16.66	0.00	-1.36	0.00	31.50	0.00
224	gLCB13	I[226]	-18.14	0.00	-2.10	0.00	103.75	0.00
224	gLCB14	I[226]	-14.98	0.00	-1.90	0.00	106.20	0.00
224	gLCB15	I[226]	-18.14	0.00	-1.44	0.00	30.55	0.00
224	gLCB16	I[226]	-14.98	0.00	-1.23	0.00	33.00	0.00
224	gLCB17(max)	I[226]	-3.88	0.00	0.15	0.00	1.83	0.00
224	gLCB18(max)	I[226]	0.18	0.00	0.08	0.00	0.92	0.00
224	gLCB19(max)	I[226]	-4.06	0.00	0.08	0.00	0.92	0.00
224	gLCB20(max)	I[226]	0.00	0.00	0.00	0.00	0.00	0.00
224	gLCB21(max)	I[226]	-3.88	0.00	0.15	0.00	1.83	0.00
224	gLCB22(max)	I[226]	0.18	0.00	0.08	0.00	0.92	0.00
224	gLCB23(max)	I[226]	-4.06	0.00	0.08	0.00	0.92	0.00
224	gLCB24(max)	I[226]	0.00	0.00	0.00	0.00	0.00	0.00
224	gLCB17(min)	I[226]	-10.80	0.00	-0.58	0.00	-6.96	0.00
224	gLCB18(min)	I[226]	-6.74	0.00	-0.66	0.00	-7.88	0.00
224	gLCB19(min)	I[226]	-10.97	0.00	-0.66	0.00	-7.88	0.00
224	gLCB20(min)	I[226]	-6.92	0.00	-0.73	0.00	-8.79	0.00
224	gLCB21(min)	I[226]	-14.07	0.00	-0.93	0.00	-11.18	0.00
224	gLCB22(min)	I[226]	-10.01	0.00	-1.01	0.00	-12.09	0.00
224	gLCB23(min)	I[226]	-14.25	0.00	-1.01	0.00	-12.09	0.00
224	gLCB24(min)	I[226]	-10.19	0.00	-1.08	0.00	-13.01	0.00
225	gLCB1	I[225]	-22.69	0.00	-2.36	0.00	-100.69	0.00
225	gLCB2	I[225]	-19.53	0.00	-2.15	0.00	-103.14	0.00
225	gLCB3	I[225]	-22.69	0.00	-1.69	0.00	-27.48	0.00
225	gLCB4	I[225]	-19.53	0.00	-1.49	0.00	-29.94	0.00
225	gLCB5	I[225]	-21.01	0.00	-2.23	0.00	-102.19	0.00
225	gLCB6	I[225]	-17.85	0.00	-2.03	0.00	-104.64	0.00
225	gLCB7	I[225]	-21.01	0.00	-1.57	0.00	-28.98	0.00
225	gLCB8	I[225]	-17.85	0.00	-1.36	0.00	-31.44	0.00
225	gLCB9	I[225]	-19.82	0.00	-2.23	0.00	-102.25	0.00
225	gLCB10	I[225]	-16.66	0.00	-2.02	0.00	-104.70	0.00
225	gLCB11	I[225]	-19.82	0.00	-1.56	0.00	-29.05	0.00
225	gLCB12	I[225]	-16.66	0.00	-1.36	0.00	-31.50	0.00
225	gLCB13	I[225]	-18.14	0.00	-2.10	0.00	-103.75	0.00
225	gLCB14	I[225]	-14.98	0.00	-1.90	0.00	-106.20	0.00
225	gLCB15	I[225]	-18.14	0.00	-1.44	0.00	-30.55	0.00
225	gLCB16	I[225]	-14.98	0.00	-1.23	0.00	-33.00	0.00
225	gLCB17(max)	I[225]	-3.88	0.00	0.15	0.00	6.96	0.00
225	gLCB18(max)	I[225]	-4.06	0.00	0.08	0.00	7.88	0.00
225	gLCB19(max)	I[225]	0.18	0.00	0.08	0.00	7.88	0.00
225	gLCB20(max)	I[225]	0.00	0.00	0.00	0.00	8.79	0.00
225	gLCB21(max)	I[225]	-3.88	0.00	0.15	0.00	11.18	0.00
225	gLCB22(max)	I[225]	-4.06	0.00	0.08	0.00	12.09	0.00
225	gLCB23(max)	I[225]	0.18	0.00	0.08	0.00	12.09	0.00
225	gLCB24(max)	I[225]	0.00	0.00	0.00	0.00	13.01	0.00
225	gLCB17(min)	I[225]	-10.80	0.00	-0.58	0.00	-1.83	0.00
225	gLCB18(min)	I[225]	-10.97	0.00	-0.66	0.00	-0.92	0.00
225	gLCB19(min)	I[225]	-6.74	0.00	-0.66	0.00	-0.92	0.00
225	gLCB20(min)	I[225]	-6.92	0.00	-0.73	0.00	0.00	0.00
225	gLCB21(min)	I[225]	-14.07	0.00	-0.93	0.00	-1.83	0.00
225	gLCB22(min)	I[225]	-14.25	0.00	-1.01	0.00	-0.92	0.00
225	gLCB23(min)	I[225]	-10.01	0.00	-1.01	0.00	-0.92	0.00
225	gLCB24(min)	I[225]	-10.19	0.00	-1.08	0.00	0.00	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
226	gLCB1	I[228]	-22.32	0.00	-3.79	0.00	97.60	0.00
226	gLCB2	I[228]	-19.16	0.00	-3.59	0.00	100.26	0.00
226	gLCB3	I[228]	-22.32	0.00	-2.22	0.00	25.53	0.00
226	gLCB4	I[228]	-19.16	0.00	-2.02	0.00	28.18	0.00
226	gLCB5	I[228]	-20.63	0.00	-3.67	0.00	99.23	0.00
226	gLCB6	I[228]	-17.47	0.00	-3.46	0.00	101.89	0.00
226	gLCB7	I[228]	-20.63	0.00	-2.10	0.00	27.15	0.00
226	gLCB8	I[228]	-17.47	0.00	-1.89	0.00	29.81	0.00
226	gLCB9	I[228]	-19.55	0.00	-3.66	0.00	99.30	0.00
226	gLCB10	I[228]	-16.39	0.00	-3.46	0.00	101.95	0.00
226	gLCB11	I[228]	-19.55	0.00	-2.09	0.00	27.22	0.00
226	gLCB12	I[228]	-16.39	0.00	-1.89	0.00	29.87	0.00
226	gLCB13	I[228]	-17.87	0.00	-3.54	0.00	100.92	0.00
226	gLCB14	I[228]	-14.71	0.00	-3.33	0.00	103.58	0.00
226	gLCB15	I[228]	-17.87	0.00	-1.97	0.00	28.84	0.00
226	gLCB16	I[228]	-14.71	0.00	-1.76	0.00	31.50	0.00
226	gLCB17(max)	I[228]	-3.88	0.00	0.15	0.00	1.98	0.00
226	gLCB18(max)	I[228]	0.18	0.00	0.08	0.00	0.99	0.00
226	gLCB19(max)	I[228]	-4.06	0.00	0.08	0.00	0.99	0.00
226	gLCB20(max)	I[228]	0.00	0.00	0.00	0.00	0.00	0.00
226	gLCB21(max)	I[228]	-3.88	0.00	0.15	0.00	1.98	0.00
226	gLCB22(max)	I[228]	0.18	0.00	0.08	0.00	0.99	0.00
226	gLCB23(max)	I[228]	-4.06	0.00	0.08	0.00	0.99	0.00
226	gLCB24(max)	I[228]	0.00	0.00	0.00	0.00	0.00	0.00
226	gLCB17(min)	I[228]	-10.80	0.00	-0.58	0.00	-7.54	0.00
226	gLCB18(min)	I[228]	-6.74	0.00	-0.66	0.00	-8.53	0.00
226	gLCB19(min)	I[228]	-10.97	0.00	-0.66	0.00	-8.53	0.00
226	gLCB20(min)	I[228]	-6.92	0.00	-0.73	0.00	-9.52	0.00
226	gLCB21(min)	I[228]	-14.07	0.00	-0.93	0.00	-12.11	0.00
226	gLCB22(min)	I[228]	-10.01	0.00	-1.01	0.00	-13.10	0.00
226	gLCB23(min)	I[228]	-14.25	0.00	-1.01	0.00	-13.10	0.00
226	gLCB24(min)	I[228]	-10.19	0.00	-1.08	0.00	-14.09	0.00
227	gLCB1	I[227]	-22.32	0.00	-3.79	0.00	-97.60	0.00
227	gLCB2	I[227]	-19.16	0.00	-3.59	0.00	-100.26	0.00
227	gLCB3	I[227]	-22.32	0.00	-2.22	0.00	-25.53	0.00
227	gLCB4	I[227]	-19.16	0.00	-2.02	0.00	-28.18	0.00
227	gLCB5	I[227]	-20.63	0.00	-3.67	0.00	-99.23	0.00
227	gLCB6	I[227]	-17.47	0.00	-3.46	0.00	-101.89	0.00
227	gLCB7	I[227]	-20.63	0.00	-2.10	0.00	-27.15	0.00
227	gLCB8	I[227]	-17.47	0.00	-1.89	0.00	-29.81	0.00
227	gLCB9	I[227]	-19.55	0.00	-3.66	0.00	-99.30	0.00
227	gLCB10	I[227]	-16.39	0.00	-3.46	0.00	-101.95	0.00
227	gLCB11	I[227]	-19.55	0.00	-2.09	0.00	-27.22	0.00
227	gLCB12	I[227]	-16.39	0.00	-1.89	0.00	-29.87	0.00
227	gLCB13	I[227]	-17.87	0.00	-3.54	0.00	-100.92	0.00
227	gLCB14	I[227]	-14.71	0.00	-3.33	0.00	-103.58	0.00
227	gLCB15	I[227]	-17.87	0.00	-1.97	0.00	-28.84	0.00
227	gLCB16	I[227]	-14.71	0.00	-1.76	0.00	-31.50	0.00
227	gLCB17(max)	I[227]	-3.88	0.00	0.15	0.00	7.54	0.00
227	gLCB18(max)	I[227]	-4.06	0.00	0.08	0.00	8.53	0.00
227	gLCB19(max)	I[227]	0.18	0.00	0.08	0.00	8.53	0.00
227	gLCB20(max)	I[227]	0.00	0.00	0.00	0.00	9.52	0.00
227	gLCB21(max)	I[227]	-3.88	0.00	0.15	0.00	12.11	0.00
227	gLCB22(max)	I[227]	-4.06	0.00	0.08	0.00	13.10	0.00
227	gLCB23(max)	I[227]	0.18	0.00	0.08	0.00	13.10	0.00
227	gLCB24(max)	I[227]	0.00	0.00	0.00	0.00	14.09	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
227	gLCB17(min)	I[227]	-10.80	0.00	-0.58	0.00	-1.98	0.00
227	gLCB18(min)	I[227]	-10.97	0.00	-0.66	0.00	-0.99	0.00
227	gLCB19(min)	I[227]	-6.74	0.00	-0.66	0.00	-0.99	0.00
227	gLCB20(min)	I[227]	-6.92	0.00	-0.73	0.00	0.00	0.00
227	gLCB21(min)	I[227]	-14.07	0.00	-0.93	0.00	-1.98	0.00
227	gLCB22(min)	I[227]	-14.25	0.00	-1.01	0.00	-0.99	0.00
227	gLCB23(min)	I[227]	-10.01	0.00	-1.01	0.00	-0.99	0.00
227	gLCB24(min)	I[227]	-10.19	0.00	-1.08	0.00	0.00	0.00
228	gLCB1	I[230]	-21.94	0.00	-5.15	0.00	93.13	0.00
228	gLCB2	I[230]	-18.78	0.00	-4.94	0.00	95.99	0.00
228	gLCB3	I[230]	-21.94	0.00	-2.72	0.00	23.05	0.00
228	gLCB4	I[230]	-18.78	0.00	-2.52	0.00	25.91	0.00
228	gLCB5	I[230]	-20.26	0.00	-5.02	0.00	94.88	0.00
228	gLCB6	I[230]	-17.10	0.00	-4.82	0.00	97.74	0.00
228	gLCB7	I[230]	-20.26	0.00	-2.60	0.00	24.80	0.00
228	gLCB8	I[230]	-17.10	0.00	-2.39	0.00	27.66	0.00
228	gLCB9	I[230]	-19.28	0.00	-5.02	0.00	94.95	0.00
228	gLCB10	I[230]	-16.12	0.00	-4.81	0.00	97.81	0.00
228	gLCB11	I[230]	-19.28	0.00	-2.59	0.00	24.87	0.00
228	gLCB12	I[230]	-16.12	0.00	-2.39	0.00	27.73	0.00
228	gLCB13	I[230]	-17.60	0.00	-4.89	0.00	96.70	0.00
228	gLCB14	I[230]	-14.44	0.00	-4.69	0.00	99.56	0.00
228	gLCB15	I[230]	-17.60	0.00	-2.47	0.00	26.62	0.00
228	gLCB16	I[230]	-14.44	0.00	-2.26	0.00	29.48	0.00
228	gLCB17(max)	I[230]	-3.88	0.00	0.15	0.00	2.14	0.00
228	gLCB18(max)	I[230]	0.18	0.00	0.08	0.00	1.07	0.00
228	gLCB19(max)	I[230]	-4.06	0.00	0.08	0.00	1.07	0.00
228	gLCB20(max)	I[230]	0.00	0.00	0.00	0.00	0.00	0.00
228	gLCB21(max)	I[230]	-3.88	0.00	0.15	0.00	2.14	0.00
228	gLCB22(max)	I[230]	0.18	0.00	0.08	0.00	1.07	0.00
228	gLCB23(max)	I[230]	-4.06	0.00	0.08	0.00	1.07	0.00
228	gLCB24(max)	I[230]	0.00	0.00	0.00	0.00	0.00	0.00
228	gLCB17(min)	I[230]	-10.80	0.00	-0.58	0.00	-8.12	0.00
228	gLCB18(min)	I[230]	-6.74	0.00	-0.66	0.00	-9.19	0.00
228	gLCB19(min)	I[230]	-10.97	0.00	-0.66	0.00	-9.19	0.00
228	gLCB20(min)	I[230]	-6.92	0.00	-0.73	0.00	-10.26	0.00
228	gLCB21(min)	I[230]	-14.07	0.00	-0.93	0.00	-13.04	0.00
228	gLCB22(min)	I[230]	-10.01	0.00	-1.01	0.00	-14.11	0.00
228	gLCB23(min)	I[230]	-14.25	0.00	-1.01	0.00	-14.11	0.00
228	gLCB24(min)	I[230]	-10.19	0.00	-1.08	0.00	-15.18	0.00
229	gLCB1	I[229]	-21.94	0.00	-5.15	0.00	-93.13	0.00
229	gLCB2	I[229]	-18.78	0.00	-4.94	0.00	-95.99	0.00
229	gLCB3	I[229]	-21.94	0.00	-2.72	0.00	-23.05	0.00
229	gLCB4	I[229]	-18.78	0.00	-2.52	0.00	-25.91	0.00
229	gLCB5	I[229]	-20.26	0.00	-5.02	0.00	-94.88	0.00
229	gLCB6	I[229]	-17.10	0.00	-4.82	0.00	-97.74	0.00
229	gLCB7	I[229]	-20.26	0.00	-2.60	0.00	-24.80	0.00
229	gLCB8	I[229]	-17.10	0.00	-2.39	0.00	-27.66	0.00
229	gLCB9	I[229]	-19.28	0.00	-5.02	0.00	-94.95	0.00
229	gLCB10	I[229]	-16.12	0.00	-4.81	0.00	-97.81	0.00
229	gLCB11	I[229]	-19.28	0.00	-2.59	0.00	-24.87	0.00
229	gLCB12	I[229]	-16.12	0.00	-2.39	0.00	-27.73	0.00
229	gLCB13	I[229]	-17.60	0.00	-4.89	0.00	-96.70	0.00
229	gLCB14	I[229]	-14.44	0.00	-4.69	0.00	-99.56	0.00
229	gLCB15	I[229]	-17.60	0.00	-2.47	0.00	-26.62	0.00
229	gLCB16	I[229]	-14.44	0.00	-2.26	0.00	-29.48	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
229	gLCB17(max)	I[229]	-3.88	0.00	0.15	0.00	8.12	0.00
229	gLCB18(max)	I[229]	-4.06	0.00	0.08	0.00	9.19	0.00
229	gLCB19(max)	I[229]	0.18	0.00	0.08	0.00	9.19	0.00
229	gLCB20(max)	I[229]	0.00	0.00	0.00	0.00	10.26	0.00
229	gLCB21(max)	I[229]	-3.88	0.00	0.15	0.00	13.04	0.00
229	gLCB22(max)	I[229]	-4.06	0.00	0.08	0.00	14.11	0.00
229	gLCB23(max)	I[229]	0.18	0.00	0.08	0.00	14.11	0.00
229	gLCB24(max)	I[229]	0.00	0.00	0.00	0.00	15.18	0.00
229	gLCB17(min)	I[229]	-10.80	0.00	-0.58	0.00	-2.14	0.00
229	gLCB18(min)	I[229]	-10.97	0.00	-0.66	0.00	-1.07	0.00
229	gLCB19(min)	I[229]	-6.74	0.00	-0.66	0.00	-1.07	0.00
229	gLCB20(min)	I[229]	-6.92	0.00	-0.73	0.00	0.00	0.00
229	gLCB21(min)	I[229]	-14.07	0.00	-0.93	0.00	-2.14	0.00
229	gLCB22(min)	I[229]	-14.25	0.00	-1.01	0.00	-1.07	0.00
229	gLCB23(min)	I[229]	-10.01	0.00	-1.01	0.00	-1.07	0.00
229	gLCB24(min)	I[229]	-10.19	0.00	-1.08	0.00	0.00	0.00
230	gLCB1	I[232]	-21.57	0.00	-6.42	0.00	87.34	0.00
230	gLCB2	I[232]	-18.41	0.00	-6.22	0.00	90.40	0.00
230	gLCB3	I[232]	-21.57	0.00	-3.20	0.00	20.09	0.00
230	gLCB4	I[232]	-18.41	0.00	-2.99	0.00	23.15	0.00
230	gLCB5	I[232]	-19.88	0.00	-6.30	0.00	89.21	0.00
230	gLCB6	I[232]	-16.72	0.00	-6.09	0.00	92.28	0.00
230	gLCB7	I[232]	-19.88	0.00	-3.07	0.00	21.96	0.00
230	gLCB8	I[232]	-16.72	0.00	-2.87	0.00	25.03	0.00
230	gLCB9	I[232]	-19.01	0.00	-6.29	0.00	89.29	0.00
230	gLCB10	I[232]	-15.85	0.00	-6.09	0.00	92.35	0.00
230	gLCB11	I[232]	-19.01	0.00	-3.07	0.00	22.04	0.00
230	gLCB12	I[232]	-15.85	0.00	-2.86	0.00	25.10	0.00
230	gLCB13	I[232]	-17.33	0.00	-6.17	0.00	91.16	0.00
230	gLCB14	I[232]	-14.17	0.00	-5.96	0.00	94.23	0.00
230	gLCB15	I[232]	-17.33	0.00	-2.94	0.00	23.91	0.00
230	gLCB16	I[232]	-14.17	0.00	-2.74	0.00	26.98	0.00
230	gLCB17(max)	I[232]	-3.88	0.00	0.15	0.00	2.29	0.00
230	gLCB18(max)	I[232]	0.18	0.00	0.08	0.00	1.15	0.00
230	gLCB19(max)	I[232]	-4.06	0.00	0.08	0.00	1.15	0.00
230	gLCB20(max)	I[232]	0.00	0.00	0.00	0.00	0.00	0.00
230	gLCB21(max)	I[232]	-3.88	0.00	0.15	0.00	2.29	0.00
230	gLCB22(max)	I[232]	0.18	0.00	0.08	0.00	1.15	0.00
230	gLCB23(max)	I[232]	-4.06	0.00	0.08	0.00	1.15	0.00
230	gLCB24(max)	I[232]	0.00	0.00	0.00	0.00	0.00	0.00
230	gLCB17(min)	I[232]	-10.80	0.00	-0.58	0.00	-8.70	0.00
230	gLCB18(min)	I[232]	-6.74	0.00	-0.66	0.00	-9.84	0.00
230	gLCB19(min)	I[232]	-10.97	0.00	-0.66	0.00	-9.84	0.00
230	gLCB20(min)	I[232]	-6.92	0.00	-0.73	0.00	-10.99	0.00
230	gLCB21(min)	I[232]	-14.07	0.00	-0.93	0.00	-13.97	0.00
230	gLCB22(min)	I[232]	-10.01	0.00	-1.01	0.00	-15.12	0.00
230	gLCB23(min)	I[232]	-14.25	0.00	-1.01	0.00	-15.12	0.00
230	gLCB24(min)	I[232]	-10.19	0.00	-1.08	0.00	-16.26	0.00
231	gLCB1	I[231]	-21.57	0.00	-6.42	0.00	-87.34	0.00
231	gLCB2	I[231]	-18.41	0.00	-6.22	0.00	-90.40	0.00
231	gLCB3	I[231]	-21.57	0.00	-3.20	0.00	-20.09	0.00
231	gLCB4	I[231]	-18.41	0.00	-2.99	0.00	-23.15	0.00
231	gLCB5	I[231]	-19.88	0.00	-6.30	0.00	-89.21	0.00
231	gLCB6	I[231]	-16.72	0.00	-6.09	0.00	-92.28	0.00
231	gLCB7	I[231]	-19.88	0.00	-3.07	0.00	-21.96	0.00
231	gLCB8	I[231]	-16.72	0.00	-2.87	0.00	-25.03	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
231	gLCB9	I[231]	-19.01	0.00	-6.29	0.00	-89.29	0.00
231	gLCB10	I[231]	-15.85	0.00	-6.09	0.00	-92.35	0.00
231	gLCB11	I[231]	-19.01	0.00	-3.07	0.00	-22.04	0.00
231	gLCB12	I[231]	-15.85	0.00	-2.86	0.00	-25.10	0.00
231	gLCB13	I[231]	-17.33	0.00	-6.17	0.00	-91.16	0.00
231	gLCB14	I[231]	-14.17	0.00	-5.96	0.00	-94.23	0.00
231	gLCB15	I[231]	-17.33	0.00	-2.94	0.00	-23.91	0.00
231	gLCB16	I[231]	-14.17	0.00	-2.74	0.00	-26.98	0.00
231	gLCB17(max)	I[231]	-3.88	0.00	0.15	0.00	8.70	0.00
231	gLCB18(max)	I[231]	-4.06	0.00	0.08	0.00	9.84	0.00
231	gLCB19(max)	I[231]	0.18	0.00	0.08	0.00	9.84	0.00
231	gLCB20(max)	I[231]	0.00	0.00	0.00	0.00	10.99	0.00
231	gLCB21(max)	I[231]	-3.88	0.00	0.15	0.00	13.97	0.00
231	gLCB22(max)	I[231]	-4.06	0.00	0.08	0.00	15.12	0.00
231	gLCB23(max)	I[231]	0.18	0.00	0.08	0.00	15.12	0.00
231	gLCB24(max)	I[231]	0.00	0.00	0.00	0.00	16.26	0.00
231	gLCB17(min)	I[231]	-10.80	0.00	-0.58	0.00	-2.29	0.00
231	gLCB18(min)	I[231]	-10.97	0.00	-0.66	0.00	-1.15	0.00
231	gLCB19(min)	I[231]	-6.74	0.00	-0.66	0.00	-1.15	0.00
231	gLCB20(min)	I[231]	-6.92	0.00	-0.73	0.00	0.00	0.00
231	gLCB21(min)	I[231]	-14.07	0.00	-0.93	0.00	-2.29	0.00
231	gLCB22(min)	I[231]	-14.25	0.00	-1.01	0.00	-1.15	0.00
231	gLCB23(min)	I[231]	-10.01	0.00	-1.01	0.00	-1.15	0.00
231	gLCB24(min)	I[231]	-10.19	0.00	-1.08	0.00	0.00	0.00
232	gLCB1	I[234]	-21.19	0.00	-7.62	0.00	80.31	0.00
232	gLCB2	I[234]	-18.03	0.00	-7.42	0.00	83.58	0.00
232	gLCB3	I[234]	-21.19	0.00	-3.64	0.00	16.67	0.00
232	gLCB4	I[234]	-18.03	0.00	-3.43	0.00	19.94	0.00
232	gLCB5	I[234]	-19.51	0.00	-7.49	0.00	82.31	0.00
232	gLCB6	I[234]	-16.35	0.00	-7.29	0.00	85.58	0.00
232	gLCB7	I[234]	-19.51	0.00	-3.51	0.00	18.67	0.00
232	gLCB8	I[234]	-16.35	0.00	-3.31	0.00	21.94	0.00
232	gLCB9	I[234]	-18.74	0.00	-7.49	0.00	82.39	0.00
232	gLCB10	I[234]	-15.58	0.00	-7.29	0.00	85.66	0.00
232	gLCB11	I[234]	-18.74	0.00	-3.51	0.00	18.75	0.00
232	gLCB12	I[234]	-15.58	0.00	-3.30	0.00	22.02	0.00
232	gLCB13	I[234]	-17.06	0.00	-7.36	0.00	84.39	0.00
232	gLCB14	I[234]	-13.90	0.00	-7.16	0.00	87.66	0.00
232	gLCB15	I[234]	-17.06	0.00	-3.38	0.00	20.75	0.00
232	gLCB16	I[234]	-13.90	0.00	-3.18	0.00	24.02	0.00
232	gLCB17(max)	I[234]	-3.88	0.00	0.15	0.00	2.44	0.00
232	gLCB18(max)	I[234]	0.18	0.00	0.08	0.00	1.22	0.00
232	gLCB19(max)	I[234]	-4.06	0.00	0.08	0.00	1.22	0.00
232	gLCB20(max)	I[234]	0.00	0.00	0.00	0.00	0.00	0.00
232	gLCB21(max)	I[234]	-3.88	0.00	0.15	0.00	2.44	0.00
232	gLCB22(max)	I[234]	0.18	0.00	0.08	0.00	1.22	0.00
232	gLCB23(max)	I[234]	-4.06	0.00	0.08	0.00	1.22	0.00
232	gLCB24(max)	I[234]	0.00	0.00	0.00	0.00	0.00	0.00
232	gLCB17(min)	I[234]	-10.80	0.00	-0.58	0.00	-9.28	0.00
232	gLCB18(min)	I[234]	-6.74	0.00	-0.66	0.00	-10.50	0.00
232	gLCB19(min)	I[234]	-10.97	0.00	-0.66	0.00	-10.50	0.00
232	gLCB20(min)	I[234]	-6.92	0.00	-0.73	0.00	-11.72	0.00
232	gLCB21(min)	I[234]	-14.07	0.00	-0.93	0.00	-14.90	0.00
232	gLCB22(min)	I[234]	-10.01	0.00	-1.01	0.00	-16.12	0.00
232	gLCB23(min)	I[234]	-14.25	0.00	-1.01	0.00	-16.12	0.00
232	gLCB24(min)	I[234]	-10.19	0.00	-1.08	0.00	-17.35	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
233	gLCB1	I[233]	-21.19	0.00	-7.62	0.00	-80.31	0.00
233	gLCB2	I[233]	-18.03	0.00	-7.42	0.00	-83.58	0.00
233	gLCB3	I[233]	-21.19	0.00	-3.64	0.00	-16.67	0.00
233	gLCB4	I[233]	-18.03	0.00	-3.43	0.00	-19.94	0.00
233	gLCB5	I[233]	-19.51	0.00	-7.49	0.00	-82.31	0.00
233	gLCB6	I[233]	-16.35	0.00	-7.29	0.00	-85.58	0.00
233	gLCB7	I[233]	-19.51	0.00	-3.51	0.00	-18.67	0.00
233	gLCB8	I[233]	-16.35	0.00	-3.31	0.00	-21.94	0.00
233	gLCB9	I[233]	-18.74	0.00	-7.49	0.00	-82.39	0.00
233	gLCB10	I[233]	-15.58	0.00	-7.29	0.00	-85.66	0.00
233	gLCB11	I[233]	-18.74	0.00	-3.51	0.00	-18.75	0.00
233	gLCB12	I[233]	-15.58	0.00	-3.30	0.00	-22.02	0.00
233	gLCB13	I[233]	-17.06	0.00	-7.36	0.00	-84.39	0.00
233	gLCB14	I[233]	-13.90	0.00	-7.16	0.00	-87.66	0.00
233	gLCB15	I[233]	-17.06	0.00	-3.38	0.00	-20.75	0.00
233	gLCB16	I[233]	-13.90	0.00	-3.18	0.00	-24.02	0.00
233	gLCB17(max)	I[233]	-3.88	0.00	0.15	0.00	9.28	0.00
233	gLCB18(max)	I[233]	-4.06	0.00	0.08	0.00	10.50	0.00
233	gLCB19(max)	I[233]	0.18	0.00	0.08	0.00	10.50	0.00
233	gLCB20(max)	I[233]	0.00	0.00	0.00	0.00	11.72	0.00
233	gLCB21(max)	I[233]	-3.88	0.00	0.15	0.00	14.90	0.00
233	gLCB22(max)	I[233]	-4.06	0.00	0.08	0.00	16.12	0.00
233	gLCB23(max)	I[233]	0.18	0.00	0.08	0.00	16.12	0.00
233	gLCB24(max)	I[233]	0.00	0.00	0.00	0.00	17.35	0.00
233	gLCB17(min)	I[233]	-10.80	0.00	-0.58	0.00	-2.44	0.00
233	gLCB18(min)	I[233]	-10.97	0.00	-0.66	0.00	-1.22	0.00
233	gLCB19(min)	I[233]	-6.74	0.00	-0.66	0.00	-1.22	0.00
233	gLCB20(min)	I[233]	-6.92	0.00	-0.73	0.00	0.00	0.00
233	gLCB21(min)	I[233]	-14.07	0.00	-0.93	0.00	-2.44	0.00
233	gLCB22(min)	I[233]	-14.25	0.00	-1.01	0.00	-1.22	0.00
233	gLCB23(min)	I[233]	-10.01	0.00	-1.01	0.00	-1.22	0.00
233	gLCB24(min)	I[233]	-10.19	0.00	-1.08	0.00	0.00	0.00
234	gLCB1	I[236]	-20.82	0.00	-8.74	0.00	72.12	0.00
234	gLCB2	I[236]	-17.66	0.00	-8.53	0.00	75.60	0.00
234	gLCB3	I[236]	-20.82	0.00	-4.05	0.00	12.82	0.00
234	gLCB4	I[236]	-17.66	0.00	-3.85	0.00	16.29	0.00
234	gLCB5	I[236]	-19.13	0.00	-8.61	0.00	74.25	0.00
234	gLCB6	I[236]	-15.97	0.00	-8.41	0.00	77.72	0.00
234	gLCB7	I[236]	-19.13	0.00	-3.93	0.00	14.94	0.00
234	gLCB8	I[236]	-15.97	0.00	-3.72	0.00	18.42	0.00
234	gLCB9	I[236]	-18.47	0.00	-8.61	0.00	74.34	0.00
234	gLCB10	I[236]	-15.31	0.00	-8.40	0.00	77.81	0.00
234	gLCB11	I[236]	-18.47	0.00	-3.92	0.00	15.03	0.00
234	gLCB12	I[236]	-15.31	0.00	-3.72	0.00	18.50	0.00
234	gLCB13	I[236]	-16.79	0.00	-8.48	0.00	76.46	0.00
234	gLCB14	I[236]	-13.63	0.00	-8.28	0.00	79.93	0.00
234	gLCB15	I[236]	-16.79	0.00	-3.80	0.00	17.16	0.00
234	gLCB16	I[236]	-13.63	0.00	-3.59	0.00	20.63	0.00
234	gLCB17(max)	I[236]	-3.88	0.00	0.15	0.00	2.60	0.00
234	gLCB18(max)	I[236]	0.18	0.00	0.08	0.00	1.30	0.00
234	gLCB19(max)	I[236]	-4.06	0.00	0.08	0.00	1.30	0.00
234	gLCB20(max)	I[236]	0.00	0.00	0.00	0.00	0.00	0.00
234	gLCB21(max)	I[236]	-3.88	0.00	0.15	0.00	2.60	0.00
234	gLCB22(max)	I[236]	0.18	0.00	0.08	0.00	1.30	0.00
234	gLCB23(max)	I[236]	-4.06	0.00	0.08	0.00	1.30	0.00
234	gLCB24(max)	I[236]	0.00	0.00	0.00	0.00	0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
234	gLCB17(min)	I[236]	-10.80	0.00	-0.58	0.00	-9.86	0.00
234	gLCB18(min)	I[236]	-6.74	0.00	-0.66	0.00	-11.16	0.00
234	gLCB19(min)	I[236]	-10.97	0.00	-0.66	0.00	-11.16	0.00
234	gLCB20(min)	I[236]	-6.92	0.00	-0.73	0.00	-12.45	0.00
234	gLCB21(min)	I[236]	-14.07	0.00	-0.93	0.00	-15.83	0.00
234	gLCB22(min)	I[236]	-10.01	0.00	-1.01	0.00	-17.13	0.00
234	gLCB23(min)	I[236]	-14.25	0.00	-1.01	0.00	-17.13	0.00
234	gLCB24(min)	I[236]	-10.19	0.00	-1.08	0.00	-18.43	0.00
235	gLCB1	I[235]	-20.82	0.00	-8.74	0.00	-72.12	0.00
235	gLCB2	I[235]	-17.66	0.00	-8.53	0.00	-75.60	0.00
235	gLCB3	I[235]	-20.82	0.00	-4.05	0.00	-12.82	0.00
235	gLCB4	I[235]	-17.66	0.00	-3.85	0.00	-16.29	0.00
235	gLCB5	I[235]	-19.13	0.00	-8.61	0.00	-74.25	0.00
235	gLCB6	I[235]	-15.97	0.00	-8.41	0.00	-77.72	0.00
235	gLCB7	I[235]	-19.13	0.00	-3.93	0.00	-14.94	0.00
235	gLCB8	I[235]	-15.97	0.00	-3.72	0.00	-18.42	0.00
235	gLCB9	I[235]	-18.47	0.00	-8.61	0.00	-74.34	0.00
235	gLCB10	I[235]	-15.31	0.00	-8.40	0.00	-77.81	0.00
235	gLCB11	I[235]	-18.47	0.00	-3.92	0.00	-15.03	0.00
235	gLCB12	I[235]	-15.31	0.00	-3.72	0.00	-18.50	0.00
235	gLCB13	I[235]	-16.79	0.00	-8.48	0.00	-76.46	0.00
235	gLCB14	I[235]	-13.63	0.00	-8.28	0.00	-79.93	0.00
235	gLCB15	I[235]	-16.79	0.00	-3.80	0.00	-17.16	0.00
235	gLCB16	I[235]	-13.63	0.00	-3.59	0.00	-20.63	0.00
235	gLCB17(max)	I[235]	-3.88	0.00	0.15	0.00	9.86	0.00
235	gLCB18(max)	I[235]	-4.06	0.00	0.08	0.00	11.16	0.00
235	gLCB19(max)	I[235]	0.18	0.00	0.08	0.00	11.16	0.00
235	gLCB20(max)	I[235]	0.00	0.00	0.00	0.00	12.45	0.00
235	gLCB21(max)	I[235]	-3.88	0.00	0.15	0.00	15.83	0.00
235	gLCB22(max)	I[235]	-4.06	0.00	0.08	0.00	17.13	0.00
235	gLCB23(max)	I[235]	0.18	0.00	0.08	0.00	17.13	0.00
235	gLCB24(max)	I[235]	0.00	0.00	0.00	0.00	18.43	0.00
235	gLCB17(min)	I[235]	-10.80	0.00	-0.58	0.00	-2.60	0.00
235	gLCB18(min)	I[235]	-10.97	0.00	-0.66	0.00	-1.30	0.00
235	gLCB19(min)	I[235]	-6.74	0.00	-0.66	0.00	-1.30	0.00
235	gLCB20(min)	I[235]	-6.92	0.00	-0.73	0.00	0.00	0.00
235	gLCB21(min)	I[235]	-14.07	0.00	-0.93	0.00	-2.60	0.00
235	gLCB22(min)	I[235]	-14.25	0.00	-1.01	0.00	-1.30	0.00
235	gLCB23(min)	I[235]	-10.01	0.00	-1.01	0.00	-1.30	0.00
235	gLCB24(min)	I[235]	-10.19	0.00	-1.08	0.00	0.00	0.00
236	gLCB1	I[238]	-20.44	0.00	-9.77	0.00	62.86	0.00
236	gLCB2	I[238]	-17.28	0.00	-9.57	0.00	66.54	0.00
236	gLCB3	I[238]	-20.44	0.00	-4.44	0.00	8.57	0.00
236	gLCB4	I[238]	-17.28	0.00	-4.23	0.00	12.25	0.00
236	gLCB5	I[238]	-18.76	0.00	-9.65	0.00	65.11	0.00
236	gLCB6	I[238]	-15.60	0.00	-9.45	0.00	68.79	0.00
236	gLCB7	I[238]	-18.76	0.00	-4.31	0.00	10.82	0.00
236	gLCB8	I[238]	-15.60	0.00	-4.11	0.00	14.50	0.00
236	gLCB9	I[238]	-18.20	0.00	-9.64	0.00	65.20	0.00
236	gLCB10	I[238]	-15.04	0.00	-9.44	0.00	68.88	0.00
236	gLCB11	I[238]	-18.20	0.00	-4.31	0.00	10.91	0.00
236	gLCB12	I[238]	-15.04	0.00	-4.10	0.00	14.59	0.00
236	gLCB13	I[238]	-16.52	0.00	-9.52	0.00	67.45	0.00
236	gLCB14	I[238]	-13.36	0.00	-9.31	0.00	71.13	0.00
236	gLCB15	I[238]	-16.52	0.00	-4.18	0.00	13.16	0.00
236	gLCB16	I[238]	-13.36	0.00	-3.98	0.00	16.84	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
236	gLCB17(max)	I[238]	-3.88	0.00	0.15	0.00	2.75	0.00
236	gLCB18(max)	I[238]	0.18	0.00	0.08	0.00	1.37	0.00
236	gLCB19(max)	I[238]	-4.06	0.00	0.08	0.00	1.37	0.00
236	gLCB20(max)	I[238]	0.00	0.00	0.00	0.00	0.00	0.00
236	gLCB21(max)	I[238]	-3.88	0.00	0.15	0.00	2.75	0.00
236	gLCB22(max)	I[238]	0.18	0.00	0.08	0.00	1.37	0.00
236	gLCB23(max)	I[238]	-4.06	0.00	0.08	0.00	1.37	0.00
236	gLCB24(max)	I[238]	0.00	0.00	0.00	0.00	0.00	0.00
236	gLCB17(min)	I[238]	-10.80	0.00	-0.58	0.00	-10.44	0.00
236	gLCB18(min)	I[238]	-6.74	0.00	-0.66	0.00	-11.81	0.00
236	gLCB19(min)	I[238]	-10.97	0.00	-0.66	0.00	-11.81	0.00
236	gLCB20(min)	I[238]	-6.92	0.00	-0.73	0.00	-13.19	0.00
236	gLCB21(min)	I[238]	-14.07	0.00	-0.93	0.00	-16.77	0.00
236	gLCB22(min)	I[238]	-10.01	0.00	-1.01	0.00	-18.14	0.00
236	gLCB23(min)	I[238]	-14.25	0.00	-1.01	0.00	-18.14	0.00
236	gLCB24(min)	I[238]	-10.19	0.00	-1.08	0.00	-19.51	0.00
237	gLCB1	I[237]	-20.44	0.00	-9.77	0.00	-62.86	0.00
237	gLCB2	I[237]	-17.28	0.00	-9.57	0.00	-66.54	0.00
237	gLCB3	I[237]	-20.44	0.00	-4.44	0.00	-8.57	0.00
237	gLCB4	I[237]	-17.28	0.00	-4.23	0.00	-12.25	0.00
237	gLCB5	I[237]	-18.76	0.00	-9.65	0.00	-65.11	0.00
237	gLCB6	I[237]	-15.60	0.00	-9.45	0.00	-68.79	0.00
237	gLCB7	I[237]	-18.76	0.00	-4.31	0.00	-10.82	0.00
237	gLCB8	I[237]	-15.60	0.00	-4.11	0.00	-14.50	0.00
237	gLCB9	I[237]	-18.20	0.00	-9.64	0.00	-65.20	0.00
237	gLCB10	I[237]	-15.04	0.00	-9.44	0.00	-68.88	0.00
237	gLCB11	I[237]	-18.20	0.00	-4.31	0.00	-10.91	0.00
237	gLCB12	I[237]	-15.04	0.00	-4.10	0.00	-14.59	0.00
237	gLCB13	I[237]	-16.52	0.00	-9.52	0.00	-67.45	0.00
237	gLCB14	I[237]	-13.36	0.00	-9.31	0.00	-71.13	0.00
237	gLCB15	I[237]	-16.52	0.00	-4.18	0.00	-13.16	0.00
237	gLCB16	I[237]	-13.36	0.00	-3.98	0.00	-16.84	0.00
237	gLCB17(max)	I[237]	-3.88	0.00	0.15	0.00	10.44	0.00
237	gLCB18(max)	I[237]	-4.06	0.00	0.08	0.00	11.81	0.00
237	gLCB19(max)	I[237]	0.18	0.00	0.08	0.00	11.81	0.00
237	gLCB20(max)	I[237]	0.00	0.00	0.00	0.00	13.19	0.00
237	gLCB21(max)	I[237]	-3.88	0.00	0.15	0.00	16.77	0.00
237	gLCB22(max)	I[237]	-4.06	0.00	0.08	0.00	18.14	0.00
237	gLCB23(max)	I[237]	0.18	0.00	0.08	0.00	18.14	0.00
237	gLCB24(max)	I[237]	0.00	0.00	0.00	0.00	19.51	0.00
237	gLCB17(min)	I[237]	-10.80	0.00	-0.58	0.00	-2.75	0.00
237	gLCB18(min)	I[237]	-10.97	0.00	-0.66	0.00	-1.37	0.00
237	gLCB19(min)	I[237]	-6.74	0.00	-0.66	0.00	-1.37	0.00
237	gLCB20(min)	I[237]	-6.92	0.00	-0.73	0.00	0.00	0.00
237	gLCB21(min)	I[237]	-14.07	0.00	-0.93	0.00	-2.75	0.00
237	gLCB22(min)	I[237]	-14.25	0.00	-1.01	0.00	-1.37	0.00
237	gLCB23(min)	I[237]	-10.01	0.00	-1.01	0.00	-1.37	0.00
237	gLCB24(min)	I[237]	-10.19	0.00	-1.08	0.00	0.00	0.00
238	gLCB1	I[240]	-20.07	0.00	-10.73	0.00	52.60	0.00
238	gLCB2	I[240]	-16.91	0.00	-10.53	0.00	56.48	0.00
238	gLCB3	I[240]	-20.07	0.00	-4.79	0.00	3.95	0.00
238	gLCB4	I[240]	-16.91	0.00	-4.59	0.00	7.84	0.00
238	gLCB5	I[240]	-18.38	0.00	-10.61	0.00	54.98	0.00
238	gLCB6	I[240]	-15.22	0.00	-10.40	0.00	58.86	0.00
238	gLCB7	I[240]	-18.38	0.00	-4.67	0.00	6.33	0.00
238	gLCB8	I[240]	-15.22	0.00	-4.46	0.00	10.21	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
238	gLCB9	I[240]	-17.93	0.00	-10.60	0.00	55.07	0.00
238	gLCB10	I[240]	-14.77	0.00	-10.40	0.00	58.95	0.00
238	gLCB11	I[240]	-17.93	0.00	-4.66	0.00	6.43	0.00
238	gLCB12	I[240]	-14.77	0.00	-4.46	0.00	10.31	0.00
238	gLCB13	I[240]	-16.25	0.00	-10.48	0.00	57.45	0.00
238	gLCB14	I[240]	-13.09	0.00	-10.27	0.00	61.33	0.00
238	gLCB15	I[240]	-16.25	0.00	-4.54	0.00	8.80	0.00
238	gLCB16	I[240]	-13.09	0.00	-4.33	0.00	12.68	0.00
238	gLCB17(max)	I[240]	-3.88	0.00	0.15	0.00	2.90	0.00
238	gLCB18(max)	I[240]	0.18	0.00	0.08	0.00	1.45	0.00
238	gLCB19(max)	I[240]	-4.06	0.00	0.08	0.00	1.45	0.00
238	gLCB20(max)	I[240]	0.00	0.00	0.00	0.00	0.00	0.00
238	gLCB21(max)	I[240]	-3.88	0.00	0.15	0.00	2.90	0.00
238	gLCB22(max)	I[240]	0.18	0.00	0.08	0.00	1.45	0.00
238	gLCB23(max)	I[240]	-4.06	0.00	0.08	0.00	1.45	0.00
238	gLCB24(max)	I[240]	0.00	0.00	0.00	0.00	0.00	0.00
238	gLCB17(min)	I[240]	-10.80	0.00	-0.58	0.00	-11.02	0.00
238	gLCB18(min)	I[240]	-6.74	0.00	-0.66	0.00	-12.47	0.00
238	gLCB19(min)	I[240]	-10.97	0.00	-0.66	0.00	-12.47	0.00
238	gLCB20(min)	I[240]	-6.92	0.00	-0.73	0.00	-13.92	0.00
238	gLCB21(min)	I[240]	-14.07	0.00	-0.93	0.00	-17.70	0.00
238	gLCB22(min)	I[240]	-10.01	0.00	-1.01	0.00	-19.15	0.00
238	gLCB23(min)	I[240]	-14.25	0.00	-1.01	0.00	-19.15	0.00
238	gLCB24(min)	I[240]	-10.19	0.00	-1.08	0.00	-20.60	0.00
239	gLCB1	I[239]	-20.07	0.00	-10.73	0.00	-52.60	0.00
239	gLCB2	I[239]	-16.91	0.00	-10.53	0.00	-56.48	0.00
239	gLCB3	I[239]	-20.07	0.00	-4.79	0.00	-3.95	0.00
239	gLCB4	I[239]	-16.91	0.00	-4.59	0.00	-7.84	0.00
239	gLCB5	I[239]	-18.38	0.00	-10.61	0.00	-54.98	0.00
239	gLCB6	I[239]	-15.22	0.00	-10.40	0.00	-58.86	0.00
239	gLCB7	I[239]	-18.38	0.00	-4.67	0.00	-6.33	0.00
239	gLCB8	I[239]	-15.22	0.00	-4.46	0.00	-10.21	0.00
239	gLCB9	I[239]	-17.93	0.00	-10.60	0.00	-55.07	0.00
239	gLCB10	I[239]	-14.77	0.00	-10.40	0.00	-58.95	0.00
239	gLCB11	I[239]	-17.93	0.00	-4.66	0.00	-6.43	0.00
239	gLCB12	I[239]	-14.77	0.00	-4.46	0.00	-10.31	0.00
239	gLCB13	I[239]	-16.25	0.00	-10.48	0.00	-57.45	0.00
239	gLCB14	I[239]	-13.09	0.00	-10.27	0.00	-61.33	0.00
239	gLCB15	I[239]	-16.25	0.00	-4.54	0.00	-8.80	0.00
239	gLCB16	I[239]	-13.09	0.00	-4.33	0.00	-12.68	0.00
239	gLCB17(max)	I[239]	-3.88	0.00	0.15	0.00	11.02	0.00
239	gLCB18(max)	I[239]	-4.06	0.00	0.08	0.00	12.47	0.00
239	gLCB19(max)	I[239]	0.18	0.00	0.08	0.00	12.47	0.00
239	gLCB20(max)	I[239]	0.00	0.00	0.00	0.00	13.92	0.00
239	gLCB21(max)	I[239]	-3.88	0.00	0.15	0.00	17.70	0.00
239	gLCB22(max)	I[239]	-4.06	0.00	0.08	0.00	19.15	0.00
239	gLCB23(max)	I[239]	0.18	0.00	0.08	0.00	19.15	0.00
239	gLCB24(max)	I[239]	0.00	0.00	0.00	0.00	20.60	0.00
239	gLCB17(min)	I[239]	-10.80	0.00	-0.58	0.00	-2.90	0.00
239	gLCB18(min)	I[239]	-10.97	0.00	-0.66	0.00	-1.45	0.00
239	gLCB19(min)	I[239]	-6.74	0.00	-0.66	0.00	-1.45	0.00
239	gLCB20(min)	I[239]	-6.92	0.00	-0.73	0.00	0.00	0.00
239	gLCB21(min)	I[239]	-14.07	0.00	-0.93	0.00	-2.90	0.00
239	gLCB22(min)	I[239]	-14.25	0.00	-1.01	0.00	-1.45	0.00
239	gLCB23(min)	I[239]	-10.01	0.00	-1.01	0.00	-1.45	0.00
239	gLCB24(min)	I[239]	-10.19	0.00	-1.08	0.00	0.00	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
240	gLCB1	I[242]	-19.69	0.00	-11.61	0.00	41.42	0.00
240	gLCB2	I[242]	-16.53	0.00	-11.41	0.00	45.51	0.00
240	gLCB3	I[242]	-19.69	0.00	-5.12	0.00	-1.00	0.00
240	gLCB4	I[242]	-16.53	0.00	-4.91	0.00	3.08	0.00
240	gLCB5	I[242]	-18.01	0.00	-11.49	0.00	43.92	0.00
240	gLCB6	I[242]	-14.85	0.00	-11.28	0.00	48.01	0.00
240	gLCB7	I[242]	-18.01	0.00	-4.99	0.00	1.50	0.00
240	gLCB8	I[242]	-14.85	0.00	-4.79	0.00	5.58	0.00
240	gLCB9	I[242]	-17.66	0.00	-11.48	0.00	44.02	0.00
240	gLCB10	I[242]	-14.50	0.00	-11.28	0.00	48.11	0.00
240	gLCB11	I[242]	-17.66	0.00	-4.99	0.00	1.60	0.00
240	gLCB12	I[242]	-14.50	0.00	-4.78	0.00	5.68	0.00
240	gLCB13	I[242]	-15.98	0.00	-11.36	0.00	46.52	0.00
240	gLCB14	I[242]	-12.82	0.00	-11.15	0.00	50.61	0.00
240	gLCB15	I[242]	-15.98	0.00	-4.86	0.00	4.10	0.00
240	gLCB16	I[242]	-12.82	0.00	-4.66	0.00	8.18	0.00
240	gLCB17(max)	I[242]	-3.88	0.00	0.15	0.00	3.05	0.00
240	gLCB18(max)	I[242]	0.18	0.00	0.08	0.00	1.53	0.00
240	gLCB19(max)	I[242]	-4.06	0.00	0.08	0.00	1.53	0.00
240	gLCB20(max)	I[242]	0.00	0.00	0.00	0.00	0.00	0.00
240	gLCB21(max)	I[242]	-3.88	0.00	0.15	0.00	3.05	0.00
240	gLCB22(max)	I[242]	0.18	0.00	0.08	0.00	1.53	0.00
240	gLCB23(max)	I[242]	-4.06	0.00	0.08	0.00	1.53	0.00
240	gLCB24(max)	I[242]	0.00	0.00	0.00	0.00	0.00	0.00
240	gLCB17(min)	I[242]	-10.80	0.00	-0.58	0.00	-11.60	0.00
240	gLCB18(min)	I[242]	-6.74	0.00	-0.66	0.00	-13.13	0.00
240	gLCB19(min)	I[242]	-10.97	0.00	-0.66	0.00	-13.13	0.00
240	gLCB20(min)	I[242]	-6.92	0.00	-0.73	0.00	-14.65	0.00
240	gLCB21(min)	I[242]	-14.07	0.00	-0.93	0.00	-18.63	0.00
240	gLCB22(min)	I[242]	-10.01	0.00	-1.01	0.00	-20.16	0.00
240	gLCB23(min)	I[242]	-14.25	0.00	-1.01	0.00	-20.16	0.00
240	gLCB24(min)	I[242]	-10.19	0.00	-1.08	0.00	-21.68	0.00
241	gLCB1	I[241]	-19.69	0.00	-11.61	0.00	-41.42	0.00
241	gLCB2	I[241]	-16.53	0.00	-11.41	0.00	-45.51	0.00
241	gLCB3	I[241]	-19.69	0.00	-5.12	0.00	1.00	0.00
241	gLCB4	I[241]	-16.53	0.00	-4.91	0.00	-3.08	0.00
241	gLCB5	I[241]	-18.01	0.00	-11.49	0.00	-43.92	0.00
241	gLCB6	I[241]	-14.85	0.00	-11.28	0.00	-48.01	0.00
241	gLCB7	I[241]	-18.01	0.00	-4.99	0.00	-1.50	0.00
241	gLCB8	I[241]	-14.85	0.00	-4.79	0.00	-5.58	0.00
241	gLCB9	I[241]	-17.66	0.00	-11.48	0.00	-44.02	0.00
241	gLCB10	I[241]	-14.50	0.00	-11.28	0.00	-48.11	0.00
241	gLCB11	I[241]	-17.66	0.00	-4.99	0.00	-1.60	0.00
241	gLCB12	I[241]	-14.50	0.00	-4.78	0.00	-5.68	0.00
241	gLCB13	I[241]	-15.98	0.00	-11.36	0.00	-46.52	0.00
241	gLCB14	I[241]	-12.82	0.00	-11.15	0.00	-50.61	0.00
241	gLCB15	I[241]	-15.98	0.00	-4.86	0.00	-4.10	0.00
241	gLCB16	I[241]	-12.82	0.00	-4.66	0.00	-8.18	0.00
241	gLCB17(max)	I[241]	-3.88	0.00	0.15	0.00	11.60	0.00
241	gLCB18(max)	I[241]	-4.06	0.00	0.08	0.00	13.13	0.00
241	gLCB19(max)	I[241]	0.18	0.00	0.08	0.00	13.13	0.00
241	gLCB20(max)	I[241]	0.00	0.00	0.00	0.00	14.65	0.00
241	gLCB21(max)	I[241]	-3.88	0.00	0.15	0.00	18.63	0.00
241	gLCB22(max)	I[241]	-4.06	0.00	0.08	0.00	20.16	0.00
241	gLCB23(max)	I[241]	0.18	0.00	0.08	0.00	20.16	0.00
241	gLCB24(max)	I[241]	0.00	0.00	0.00	0.00	21.68	0.00


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
241	gLCB17(min)	I[241]	-10.80	0.00	-0.58	0.00	-3.05	0.00
241	gLCB18(min)	I[241]	-10.97	0.00	-0.66	0.00	-1.53	0.00
241	gLCB19(min)	I[241]	-6.74	0.00	-0.66	0.00	-1.53	0.00
241	gLCB20(min)	I[241]	-6.92	0.00	-0.73	0.00	0.00	0.00
241	gLCB21(min)	I[241]	-14.07	0.00	-0.93	0.00	-3.05	0.00
241	gLCB22(min)	I[241]	-14.25	0.00	-1.01	0.00	-1.53	0.00
241	gLCB23(min)	I[241]	-10.01	0.00	-1.01	0.00	-1.53	0.00
241	gLCB24(min)	I[241]	-10.19	0.00	-1.08	0.00	0.00	0.00
242	gLCB1	I[244]	-19.32	0.00	-12.41	0.00	29.40	0.00
242	gLCB2	I[244]	-16.16	0.00	-12.21	0.00	33.69	0.00
242	gLCB3	I[244]	-19.32	0.00	-5.41	0.00	-6.27	0.00
242	gLCB4	I[244]	-16.16	0.00	-5.21	0.00	-1.98	0.00
242	gLCB5	I[244]	-17.63	0.00	-12.29	0.00	32.03	0.00
242	gLCB6	I[244]	-14.47	0.00	-12.08	0.00	36.32	0.00
242	gLCB7	I[244]	-17.63	0.00	-5.29	0.00	-3.65	0.00
242	gLCB8	I[244]	-14.47	0.00	-5.08	0.00	0.64	0.00
242	gLCB9	I[244]	-17.39	0.00	-12.28	0.00	32.14	0.00
242	gLCB10	I[244]	-14.23	0.00	-12.08	0.00	36.43	0.00
242	gLCB11	I[244]	-17.39	0.00	-5.28	0.00	-3.54	0.00
242	gLCB12	I[244]	-14.23	0.00	-5.08	0.00	0.75	0.00
242	gLCB13	I[244]	-15.71	0.00	-12.16	0.00	34.76	0.00
242	gLCB14	I[244]	-12.55	0.00	-11.95	0.00	39.05	0.00
242	gLCB15	I[244]	-15.71	0.00	-5.16	0.00	-0.92	0.00
242	gLCB16	I[244]	-12.55	0.00	-4.95	0.00	3.38	0.00
242	gLCB17(max)	I[244]	-3.88	0.00	0.15	0.00	3.21	0.00
242	gLCB18(max)	I[244]	0.18	0.00	0.08	0.00	1.60	0.00
242	gLCB19(max)	I[244]	-4.06	0.00	0.08	0.00	1.60	0.00
242	gLCB20(max)	I[244]	0.00	0.00	0.00	0.00	0.00	0.00
242	gLCB21(max)	I[244]	-3.88	0.00	0.15	0.00	3.21	0.00
242	gLCB22(max)	I[244]	0.18	0.00	0.08	0.00	1.60	0.00
242	gLCB23(max)	I[244]	-4.06	0.00	0.08	0.00	1.60	0.00
242	gLCB24(max)	I[244]	0.00	0.00	0.00	0.00	0.00	0.00
242	gLCB17(min)	I[244]	-10.80	0.00	-0.58	0.00	-12.18	0.00
242	gLCB18(min)	I[244]	-6.74	0.00	-0.66	0.00	-13.78	0.00
242	gLCB19(min)	I[244]	-10.97	0.00	-0.66	0.00	-13.78	0.00
242	gLCB20(min)	I[244]	-6.92	0.00	-0.73	0.00	-15.39	0.00
242	gLCB21(min)	I[244]	-14.07	0.00	-0.93	0.00	-19.56	0.00
242	gLCB22(min)	I[244]	-10.01	0.00	-1.01	0.00	-21.16	0.00
242	gLCB23(min)	I[244]	-14.25	0.00	-1.01	0.00	-21.16	0.00
242	gLCB24(min)	I[244]	-10.19	0.00	-1.08	0.00	-22.77	0.00
243	gLCB1	I[243]	-19.32	0.00	-12.41	0.00	-29.40	0.00
243	gLCB2	I[243]	-16.16	0.00	-12.21	0.00	-33.69	0.00
243	gLCB3	I[243]	-19.32	0.00	-5.41	0.00	6.27	0.00
243	gLCB4	I[243]	-16.16	0.00	-5.21	0.00	1.98	0.00
243	gLCB5	I[243]	-17.63	0.00	-12.29	0.00	-32.03	0.00
243	gLCB6	I[243]	-14.47	0.00	-12.08	0.00	-36.32	0.00
243	gLCB7	I[243]	-17.63	0.00	-5.29	0.00	3.65	0.00
243	gLCB8	I[243]	-14.47	0.00	-5.08	0.00	-0.64	0.00
243	gLCB9	I[243]	-17.39	0.00	-12.28	0.00	-32.14	0.00
243	gLCB10	I[243]	-14.23	0.00	-12.08	0.00	-36.43	0.00
243	gLCB11	I[243]	-17.39	0.00	-5.28	0.00	3.54	0.00
243	gLCB12	I[243]	-14.23	0.00	-5.08	0.00	-0.75	0.00
243	gLCB13	I[243]	-15.71	0.00	-12.16	0.00	-34.76	0.00
243	gLCB14	I[243]	-12.55	0.00	-11.95	0.00	-39.05	0.00
243	gLCB15	I[243]	-15.71	0.00	-5.16	0.00	0.92	0.00
243	gLCB16	I[243]	-12.55	0.00	-4.95	0.00	-3.38	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
243	gLCB17(max)	I[243]	-3.88	0.00	0.15	0.00	12.18	0.00
243	gLCB18(max)	I[243]	-4.06	0.00	0.08	0.00	13.78	0.00
243	gLCB19(max)	I[243]	0.18	0.00	0.08	0.00	13.78	0.00
243	gLCB20(max)	I[243]	0.00	0.00	0.00	0.00	15.39	0.00
243	gLCB21(max)	I[243]	-3.88	0.00	0.15	0.00	19.56	0.00
243	gLCB22(max)	I[243]	-4.06	0.00	0.08	0.00	21.16	0.00
243	gLCB23(max)	I[243]	0.18	0.00	0.08	0.00	21.16	0.00
243	gLCB24(max)	I[243]	0.00	0.00	0.00	0.00	22.77	0.00
243	gLCB17(min)	I[243]	-10.80	0.00	-0.58	0.00	-3.21	0.00
243	gLCB18(min)	I[243]	-10.97	0.00	-0.66	0.00	-1.60	0.00
243	gLCB19(min)	I[243]	-6.74	0.00	-0.66	0.00	-1.60	0.00
243	gLCB20(min)	I[243]	-6.92	0.00	-0.73	0.00	0.00	0.00
243	gLCB21(min)	I[243]	-14.07	0.00	-0.93	0.00	-3.21	0.00
243	gLCB22(min)	I[243]	-14.25	0.00	-1.01	0.00	-1.60	0.00
243	gLCB23(min)	I[243]	-10.01	0.00	-1.01	0.00	-1.60	0.00
243	gLCB24(min)	I[243]	-10.19	0.00	-1.08	0.00	0.00	0.00
244	gLCB1	I[246]	-18.94	0.00	-13.13	0.00	16.63	0.00
244	gLCB2	I[246]	-15.78	0.00	-12.93	0.00	21.12	0.00
244	gLCB3	I[246]	-18.94	0.00	-5.68	0.00	-11.82	0.00
244	gLCB4	I[246]	-15.78	0.00	-5.48	0.00	-7.33	0.00
244	gLCB5	I[246]	-17.26	0.00	-13.01	0.00	19.38	0.00
244	gLCB6	I[246]	-14.10	0.00	-12.80	0.00	23.87	0.00
244	gLCB7	I[246]	-17.26	0.00	-5.56	0.00	-9.07	0.00
244	gLCB8	I[246]	-14.10	0.00	-5.35	0.00	-4.58	0.00
244	gLCB9	I[246]	-17.12	0.00	-13.00	0.00	19.49	0.00
244	gLCB10	I[246]	-13.96	0.00	-12.80	0.00	23.98	0.00
244	gLCB11	I[246]	-17.12	0.00	-5.55	0.00	-8.96	0.00
244	gLCB12	I[246]	-13.96	0.00	-5.35	0.00	-4.47	0.00
244	gLCB13	I[246]	-15.44	0.00	-12.88	0.00	22.24	0.00
244	gLCB14	I[246]	-12.28	0.00	-12.67	0.00	26.73	0.00
244	gLCB15	I[246]	-15.44	0.00	-5.43	0.00	-6.21	0.00
244	gLCB16	I[246]	-12.28	0.00	-5.22	0.00	-1.72	0.00
244	gLCB17(max)	I[246]	-3.88	0.00	0.15	0.00	3.36	0.00
244	gLCB18(max)	I[246]	0.18	0.00	0.08	0.00	1.68	0.00
244	gLCB19(max)	I[246]	-4.06	0.00	0.08	0.00	1.68	0.00
244	gLCB20(max)	I[246]	0.00	0.00	0.00	0.00	0.00	0.00
244	gLCB21(max)	I[246]	-3.88	0.00	0.15	0.00	3.36	0.00
244	gLCB22(max)	I[246]	0.18	0.00	0.08	0.00	1.68	0.00
244	gLCB23(max)	I[246]	-4.06	0.00	0.08	0.00	1.68	0.00
244	gLCB24(max)	I[246]	0.00	0.00	0.00	0.00	0.00	0.00
244	gLCB17(min)	I[246]	-10.80	0.00	-0.58	0.00	-12.76	0.00
244	gLCB18(min)	I[246]	-6.74	0.00	-0.66	0.00	-14.44	0.00
244	gLCB19(min)	I[246]	-10.97	0.00	-0.66	0.00	-14.44	0.00
244	gLCB20(min)	I[246]	-6.92	0.00	-0.73	0.00	-16.12	0.00
244	gLCB21(min)	I[246]	-14.07	0.00	-0.93	0.00	-20.49	0.00
244	gLCB22(min)	I[246]	-10.01	0.00	-1.01	0.00	-22.17	0.00
244	gLCB23(min)	I[246]	-14.25	0.00	-1.01	0.00	-22.17	0.00
244	gLCB24(min)	I[246]	-10.19	0.00	-1.08	0.00	-23.85	0.00
245	gLCB1	I[245]	-18.94	0.00	-13.13	0.00	-16.63	0.00
245	gLCB2	I[245]	-15.78	0.00	-12.93	0.00	-21.12	0.00
245	gLCB3	I[245]	-18.94	0.00	-5.68	0.00	11.82	0.00
245	gLCB4	I[245]	-15.78	0.00	-5.48	0.00	7.33	0.00
245	gLCB5	I[245]	-17.26	0.00	-13.01	0.00	-19.38	0.00
245	gLCB6	I[245]	-14.10	0.00	-12.80	0.00	-23.87	0.00
245	gLCB7	I[245]	-17.26	0.00	-5.56	0.00	9.07	0.00
245	gLCB8	I[245]	-14.10	0.00	-5.35	0.00	4.58	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
245	gLCB9	I[245]	-17.12	0.00	-13.00	0.00	-19.49	0.00
245	gLCB10	I[245]	-13.96	0.00	-12.80	0.00	-23.98	0.00
245	gLCB11	I[245]	-17.12	0.00	-5.55	0.00	8.96	0.00
245	gLCB12	I[245]	-13.96	0.00	-5.35	0.00	4.47	0.00
245	gLCB13	I[245]	-15.44	0.00	-12.88	0.00	-22.24	0.00
245	gLCB14	I[245]	-12.28	0.00	-12.67	0.00	-26.73	0.00
245	gLCB15	I[245]	-15.44	0.00	-5.43	0.00	6.21	0.00
245	gLCB16	I[245]	-12.28	0.00	-5.22	0.00	1.72	0.00
245	gLCB17(max)	I[245]	-3.88	0.00	0.15	0.00	12.76	0.00
245	gLCB18(max)	I[245]	-4.06	0.00	0.08	0.00	14.44	0.00
245	gLCB19(max)	I[245]	0.18	0.00	0.08	0.00	14.44	0.00
245	gLCB20(max)	I[245]	0.00	0.00	0.00	0.00	16.12	0.00
245	gLCB21(max)	I[245]	-3.88	0.00	0.15	0.00	20.49	0.00
245	gLCB22(max)	I[245]	-4.06	0.00	0.08	0.00	22.17	0.00
245	gLCB23(max)	I[245]	0.18	0.00	0.08	0.00	22.17	0.00
245	gLCB24(max)	I[245]	0.00	0.00	0.00	0.00	23.85	0.00
245	gLCB17(min)	I[245]	-10.80	0.00	-0.58	0.00	-3.36	0.00
245	gLCB18(min)	I[245]	-10.97	0.00	-0.66	0.00	-1.68	0.00
245	gLCB19(min)	I[245]	-6.74	0.00	-0.66	0.00	-1.68	0.00
245	gLCB20(min)	I[245]	-6.92	0.00	-0.73	0.00	0.00	0.00
245	gLCB21(min)	I[245]	-14.07	0.00	-0.93	0.00	-3.36	0.00
245	gLCB22(min)	I[245]	-14.25	0.00	-1.01	0.00	-1.68	0.00
245	gLCB23(min)	I[245]	-10.01	0.00	-1.01	0.00	-1.68	0.00
245	gLCB24(min)	I[245]	-10.19	0.00	-1.08	0.00	0.00	0.00
246	gLCB1	I[248]	-18.57	0.00	-13.77	0.00	3.17	0.00
246	gLCB2	I[248]	-15.41	0.00	-13.57	0.00	7.87	0.00
246	gLCB3	I[248]	-18.57	0.00	-5.92	0.00	-17.62	0.00
246	gLCB4	I[248]	-15.41	0.00	-5.71	0.00	-12.93	0.00
246	gLCB5	I[248]	-16.88	0.00	-13.65	0.00	6.04	0.00
246	gLCB6	I[248]	-13.72	0.00	-13.44	0.00	10.74	0.00
246	gLCB7	I[248]	-16.88	0.00	-5.79	0.00	-14.75	0.00
246	gLCB8	I[248]	-13.72	0.00	-5.59	0.00	-10.05	0.00
246	gLCB9	I[248]	-16.85	0.00	-13.64	0.00	6.16	0.00
246	gLCB10	I[248]	-13.69	0.00	-13.44	0.00	10.86	0.00
246	gLCB11	I[248]	-16.85	0.00	-5.79	0.00	-14.63	0.00
246	gLCB12	I[248]	-13.69	0.00	-5.58	0.00	-9.93	0.00
246	gLCB13	I[248]	-15.17	0.00	-13.52	0.00	9.03	0.00
246	gLCB14	I[248]	-12.01	0.00	-13.31	0.00	13.73	0.00
246	gLCB15	I[248]	-15.17	0.00	-5.66	0.00	-11.76	0.00
246	gLCB16	I[248]	-12.01	0.00	-5.46	0.00	-7.06	0.00
246	gLCB17(max)	I[248]	-3.88	0.00	0.15	0.00	3.51	0.00
246	gLCB18(max)	I[248]	0.18	0.00	0.08	0.00	1.76	0.00
246	gLCB19(max)	I[248]	-4.06	0.00	0.08	0.00	1.76	0.00
246	gLCB20(max)	I[248]	0.00	0.00	0.00	0.00	0.00	0.00
246	gLCB21(max)	I[248]	-3.88	0.00	0.15	0.00	3.51	0.00
246	gLCB22(max)	I[248]	0.18	0.00	0.08	0.00	1.76	0.00
246	gLCB23(max)	I[248]	-4.06	0.00	0.08	0.00	1.76	0.00
246	gLCB24(max)	I[248]	0.00	0.00	0.00	0.00	0.00	0.00
246	gLCB17(min)	I[248]	-10.80	0.00	-0.58	0.00	-13.34	0.00
246	gLCB18(min)	I[248]	-6.74	0.00	-0.66	0.00	-15.09	0.00
246	gLCB19(min)	I[248]	-10.97	0.00	-0.66	0.00	-15.09	0.00
246	gLCB20(min)	I[248]	-6.92	0.00	-0.73	0.00	-16.85	0.00
246	gLCB21(min)	I[248]	-14.07	0.00	-0.93	0.00	-21.42	0.00
246	gLCB22(min)	I[248]	-10.01	0.00	-1.01	0.00	-23.18	0.00
246	gLCB23(min)	I[248]	-14.25	0.00	-1.01	0.00	-23.18	0.00
246	gLCB24(min)	I[248]	-10.19	0.00	-1.08	0.00	-24.94	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
247	gLCB1	I[247]	-18.57	0.00	-13.77	0.00	-3.17	0.00
247	gLCB2	I[247]	-15.41	0.00	-13.57	0.00	-7.87	0.00
247	gLCB3	I[247]	-18.57	0.00	-5.92	0.00	17.62	0.00
247	gLCB4	I[247]	-15.41	0.00	-5.71	0.00	12.93	0.00
247	gLCB5	I[247]	-16.88	0.00	-13.65	0.00	-6.04	0.00
247	gLCB6	I[247]	-13.72	0.00	-13.44	0.00	-10.74	0.00
247	gLCB7	I[247]	-16.88	0.00	-5.79	0.00	14.75	0.00
247	gLCB8	I[247]	-13.72	0.00	-5.59	0.00	10.05	0.00
247	gLCB9	I[247]	-16.85	0.00	-13.64	0.00	-6.16	0.00
247	gLCB10	I[247]	-13.69	0.00	-13.44	0.00	-10.86	0.00
247	gLCB11	I[247]	-16.85	0.00	-5.79	0.00	14.63	0.00
247	gLCB12	I[247]	-13.69	0.00	-5.58	0.00	9.93	0.00
247	gLCB13	I[247]	-15.17	0.00	-13.52	0.00	-9.03	0.00
247	gLCB14	I[247]	-12.01	0.00	-13.31	0.00	-13.73	0.00
247	gLCB15	I[247]	-15.17	0.00	-5.66	0.00	11.76	0.00
247	gLCB16	I[247]	-12.01	0.00	-5.46	0.00	7.06	0.00
247	gLCB17(max)	I[247]	-3.88	0.00	0.15	0.00	13.34	0.00
247	gLCB18(max)	I[247]	-4.06	0.00	0.08	0.00	15.09	0.00
247	gLCB19(max)	I[247]	0.18	0.00	0.08	0.00	15.09	0.00
247	gLCB20(max)	I[247]	0.00	0.00	0.00	0.00	16.85	0.00
247	gLCB21(max)	I[247]	-3.88	0.00	0.15	0.00	21.42	0.00
247	gLCB22(max)	I[247]	-4.06	0.00	0.08	0.00	23.18	0.00
247	gLCB23(max)	I[247]	0.18	0.00	0.08	0.00	23.18	0.00
247	gLCB24(max)	I[247]	0.00	0.00	0.00	0.00	24.94	0.00
247	gLCB17(min)	I[247]	-10.80	0.00	-0.58	0.00	-3.51	0.00
247	gLCB18(min)	I[247]	-10.97	0.00	-0.66	0.00	-1.76	0.00
247	gLCB19(min)	I[247]	-6.74	0.00	-0.66	0.00	-1.76	0.00
247	gLCB20(min)	I[247]	-6.92	0.00	-0.73	0.00	0.00	0.00
247	gLCB21(min)	I[247]	-14.07	0.00	-0.93	0.00	-3.51	0.00
247	gLCB22(min)	I[247]	-14.25	0.00	-1.01	0.00	-1.76	0.00
247	gLCB23(min)	I[247]	-10.01	0.00	-1.01	0.00	-1.76	0.00
247	gLCB24(min)	I[247]	-10.19	0.00	-1.08	0.00	0.00	0.00
248	gLCB1	I[250]	-18.19	0.00	-14.34	0.00	-10.89	0.00
248	gLCB2	I[250]	-15.03	0.00	-14.13	0.00	-5.99	0.00
248	gLCB3	I[250]	-18.19	0.00	-6.13	0.00	-23.65	0.00
248	gLCB4	I[250]	-15.03	0.00	-5.92	0.00	-18.75	0.00
248	gLCB5	I[250]	-16.51	0.00	-14.21	0.00	-7.89	0.00
248	gLCB6	I[250]	-13.35	0.00	-14.01	0.00	-2.99	0.00
248	gLCB7	I[250]	-16.51	0.00	-6.00	0.00	-20.65	0.00
248	gLCB8	I[250]	-13.35	0.00	-5.80	0.00	-15.75	0.00
248	gLCB9	I[250]	-16.58	0.00	-14.21	0.00	-7.77	0.00
248	gLCB10	I[250]	-13.42	0.00	-14.00	0.00	-2.87	0.00
248	gLCB11	I[250]	-16.58	0.00	-6.00	0.00	-20.53	0.00
248	gLCB12	I[250]	-13.42	0.00	-5.79	0.00	-15.62	0.00
248	gLCB13	I[250]	-14.90	0.00	-14.08	0.00	-4.77	0.00
248	gLCB14	I[250]	-11.74	0.00	-13.88	0.00	0.13	0.00
248	gLCB15	I[250]	-14.90	0.00	-5.87	0.00	-17.53	0.00
248	gLCB16	I[250]	-11.74	0.00	-5.67	0.00	-12.62	0.00
248	gLCB17(max)	I[250]	-3.88	0.00	0.15	0.00	3.66	0.00
248	gLCB18(max)	I[250]	0.18	0.00	0.08	0.00	1.83	0.00
248	gLCB19(max)	I[250]	-4.06	0.00	0.08	0.00	1.83	0.00
248	gLCB20(max)	I[250]	0.00	0.00	0.00	0.00	0.00	0.00
248	gLCB21(max)	I[250]	-3.88	0.00	0.15	0.00	3.66	0.00
248	gLCB22(max)	I[250]	0.18	0.00	0.08	0.00	1.83	0.00
248	gLCB23(max)	I[250]	-4.06	0.00	0.08	0.00	1.83	0.00
248	gLCB24(max)	I[250]	0.00	0.00	0.00	0.00	0.00	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
248	gLCB17(min)	I[250]	-10.80	0.00	-0.58	0.00	-13.92	0.00
248	gLCB18(min)	I[250]	-6.74	0.00	-0.66	0.00	-15.75	0.00
248	gLCB19(min)	I[250]	-10.97	0.00	-0.66	0.00	-15.75	0.00
248	gLCB20(min)	I[250]	-6.92	0.00	-0.73	0.00	-17.58	0.00
248	gLCB21(min)	I[250]	-14.07	0.00	-0.93	0.00	-22.35	0.00
248	gLCB22(min)	I[250]	-10.01	0.00	-1.01	0.00	-24.19	0.00
248	gLCB23(min)	I[250]	-14.25	0.00	-1.01	0.00	-24.19	0.00
248	gLCB24(min)	I[250]	-10.19	0.00	-1.08	0.00	-26.02	0.00
249	gLCB1	I[249]	-18.19	0.00	-14.34	0.00	10.89	0.00
249	gLCB2	I[249]	-15.03	0.00	-14.13	0.00	5.99	0.00
249	gLCB3	I[249]	-18.19	0.00	-6.13	0.00	23.65	0.00
249	gLCB4	I[249]	-15.03	0.00	-5.92	0.00	18.75	0.00
249	gLCB5	I[249]	-16.51	0.00	-14.21	0.00	7.89	0.00
249	gLCB6	I[249]	-13.35	0.00	-14.01	0.00	2.99	0.00
249	gLCB7	I[249]	-16.51	0.00	-6.00	0.00	20.65	0.00
249	gLCB8	I[249]	-13.35	0.00	-5.80	0.00	15.75	0.00
249	gLCB9	I[249]	-16.58	0.00	-14.21	0.00	7.77	0.00
249	gLCB10	I[249]	-13.42	0.00	-14.00	0.00	2.87	0.00
249	gLCB11	I[249]	-16.58	0.00	-6.00	0.00	20.53	0.00
249	gLCB12	I[249]	-13.42	0.00	-5.79	0.00	15.62	0.00
249	gLCB13	I[249]	-14.90	0.00	-14.08	0.00	4.77	0.00
249	gLCB14	I[249]	-11.74	0.00	-13.88	0.00	-0.13	0.00
249	gLCB15	I[249]	-14.90	0.00	-5.87	0.00	17.53	0.00
249	gLCB16	I[249]	-11.74	0.00	-5.67	0.00	12.62	0.00
249	gLCB17(max)	I[249]	-3.88	0.00	0.15	0.00	13.92	0.00
249	gLCB18(max)	I[249]	-4.06	0.00	0.08	0.00	15.75	0.00
249	gLCB19(max)	I[249]	0.18	0.00	0.08	0.00	15.75	0.00
249	gLCB20(max)	I[249]	0.00	0.00	0.00	0.00	17.58	0.00
249	gLCB21(max)	I[249]	-3.88	0.00	0.15	0.00	22.35	0.00
249	gLCB22(max)	I[249]	-4.06	0.00	0.08	0.00	24.19	0.00
249	gLCB23(max)	I[249]	0.18	0.00	0.08	0.00	24.19	0.00
249	gLCB24(max)	I[249]	0.00	0.00	0.00	0.00	26.02	0.00
249	gLCB17(min)	I[249]	-10.80	0.00	-0.58	0.00	-3.66	0.00
249	gLCB18(min)	I[249]	-10.97	0.00	-0.66	0.00	-1.83	0.00
249	gLCB19(min)	I[249]	-6.74	0.00	-0.66	0.00	-1.83	0.00
249	gLCB20(min)	I[249]	-6.92	0.00	-0.73	0.00	0.00	0.00
249	gLCB21(min)	I[249]	-14.07	0.00	-0.93	0.00	-3.66	0.00
249	gLCB22(min)	I[249]	-14.25	0.00	-1.01	0.00	-1.83	0.00
249	gLCB23(min)	I[249]	-10.01	0.00	-1.01	0.00	-1.83	0.00
249	gLCB24(min)	I[249]	-10.19	0.00	-1.08	0.00	0.00	0.00
250	gLCB1	I[252]	-17.82	0.00	-14.82	0.00	-25.48	0.00
250	gLCB2	I[252]	-14.66	0.00	-14.61	0.00	-20.37	0.00
250	gLCB3	I[252]	-17.82	0.00	-6.31	0.00	-29.87	0.00
250	gLCB4	I[252]	-14.66	0.00	-6.10	0.00	-24.76	0.00
250	gLCB5	I[252]	-16.13	0.00	-14.69	0.00	-22.35	0.00
250	gLCB6	I[252]	-12.97	0.00	-14.49	0.00	-17.25	0.00
250	gLCB7	I[252]	-16.13	0.00	-6.18	0.00	-26.74	0.00
250	gLCB8	I[252]	-12.97	0.00	-5.98	0.00	-21.63	0.00
250	gLCB9	I[252]	-16.31	0.00	-14.69	0.00	-22.23	0.00
250	gLCB10	I[252]	-13.15	0.00	-14.48	0.00	-17.12	0.00
250	gLCB11	I[252]	-16.31	0.00	-6.18	0.00	-26.62	0.00
250	gLCB12	I[252]	-13.15	0.00	-5.97	0.00	-21.51	0.00
250	gLCB13	I[252]	-14.63	0.00	-14.56	0.00	-19.10	0.00
250	gLCB14	I[252]	-11.47	0.00	-14.36	0.00	-13.99	0.00
250	gLCB15	I[252]	-14.63	0.00	-6.05	0.00	-23.49	0.00
250	gLCB16	I[252]	-11.47	0.00	-5.85	0.00	-18.38	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
250	gLCB17(max)	I[252]	-3.88	0.00	0.15	0.00	3.82	0.00	
250	gLCB18(max)	I[252]	0.18	0.00	0.08	0.00	1.91	0.00	
250	gLCB19(max)	I[252]	-4.06	0.00	0.08	0.00	1.91	0.00	
250	gLCB20(max)	I[252]	0.00	0.00	0.00	0.00	0.00	0.00	
250	gLCB21(max)	I[252]	-3.88	0.00	0.15	0.00	3.82	0.00	
250	gLCB22(max)	I[252]	0.18	0.00	0.08	0.00	1.91	0.00	
250	gLCB23(max)	I[252]	-4.06	0.00	0.08	0.00	1.91	0.00	
250	gLCB24(max)	I[252]	0.00	0.00	0.00	0.00	0.00	0.00	
250	gLCB17(min)	I[252]	-10.80	0.00	-0.58	0.00	-14.50	0.00	
250	gLCB18(min)	I[252]	-6.74	0.00	-0.66	0.00	-16.41	0.00	
250	gLCB19(min)	I[252]	-10.97	0.00	-0.66	0.00	-16.41	0.00	
250	gLCB20(min)	I[252]	-6.92	0.00	-0.73	0.00	-18.32	0.00	
250	gLCB21(min)	I[252]	-14.07	0.00	-0.93	0.00	-23.29	0.00	
250	gLCB22(min)	I[252]	-10.01	0.00	-1.01	0.00	-25.20	0.00	
250	gLCB23(min)	I[252]	-14.25	0.00	-1.01	0.00	-25.20	0.00	
250	gLCB24(min)	I[252]	-10.19	0.00	-1.08	0.00	-27.10	0.00	
251	gLCB1	I[251]	-17.82	0.00	-14.82	0.00	25.48	0.00	
251	gLCB2	I[251]	-14.66	0.00	-14.61	0.00	20.37	0.00	
251	gLCB3	I[251]	-17.82	0.00	-6.31	0.00	29.87	0.00	
251	gLCB4	I[251]	-14.66	0.00	-6.10	0.00	24.76	0.00	
251	gLCB5	I[251]	-16.13	0.00	-14.69	0.00	22.35	0.00	
251	gLCB6	I[251]	-12.97	0.00	-14.49	0.00	17.25	0.00	
251	gLCB7	I[251]	-16.13	0.00	-6.18	0.00	26.74	0.00	
251	gLCB8	I[251]	-12.97	0.00	-5.98	0.00	21.63	0.00	
251	gLCB9	I[251]	-16.31	0.00	-14.69	0.00	22.23	0.00	
251	gLCB10	I[251]	-13.15	0.00	-14.48	0.00	17.12	0.00	
251	gLCB11	I[251]	-16.31	0.00	-6.18	0.00	26.62	0.00	
251	gLCB12	I[251]	-13.15	0.00	-5.97	0.00	21.51	0.00	
251	gLCB13	I[251]	-14.63	0.00	-14.56	0.00	19.10	0.00	
251	gLCB14	I[251]	-11.47	0.00	-14.36	0.00	13.99	0.00	
251	gLCB15	I[251]	-14.63	0.00	-6.05	0.00	23.49	0.00	
251	gLCB16	I[251]	-11.47	0.00	-5.85	0.00	18.38	0.00	
251	gLCB17(max)	I[251]	-3.88	0.00	0.15	0.00	14.50	0.00	
251	gLCB18(max)	I[251]	-4.06	0.00	0.08	0.00	16.41	0.00	
251	gLCB19(max)	I[251]	0.18	0.00	0.08	0.00	16.41	0.00	
251	gLCB20(max)	I[251]	0.00	0.00	0.00	0.00	18.32	0.00	
251	gLCB21(max)	I[251]	-3.88	0.00	0.15	0.00	23.29	0.00	
251	gLCB22(max)	I[251]	-4.06	0.00	0.08	0.00	25.20	0.00	
251	gLCB23(max)	I[251]	0.18	0.00	0.08	0.00	25.20	0.00	
251	gLCB24(max)	I[251]	0.00	0.00	0.00	0.00	27.10	0.00	
251	gLCB17(min)	I[251]	-10.80	0.00	-0.58	0.00	-3.82	0.00	
251	gLCB18(min)	I[251]	-10.97	0.00	-0.66	0.00	-1.91	0.00	
251	gLCB19(min)	I[251]	-6.74	0.00	-0.66	0.00	-1.91	0.00	
251	gLCB20(min)	I[251]	-6.92	0.00	-0.73	0.00	0.00	0.00	
251	gLCB21(min)	I[251]	-14.07	0.00	-0.93	0.00	-3.82	0.00	
251	gLCB22(min)	I[251]	-14.25	0.00	-1.01	0.00	-1.91	0.00	
251	gLCB23(min)	I[251]	-10.01	0.00	-1.01	0.00	-1.91	0.00	
251	gLCB24(min)	I[251]	-10.19	0.00	-1.08	0.00	0.00	0.00	
252	gLCB1	I[254]	-17.44	0.00	-15.22	0.00	-40.50	0.00	
252	gLCB2	I[254]	-14.28	0.00	-15.02	0.00	-35.19	0.00	
252	gLCB3	I[254]	-17.44	0.00	-6.45	0.00	-36.25	0.00	
252	gLCB4	I[254]	-14.28	0.00	-6.25	0.00	-30.94	0.00	
252	gLCB5	I[254]	-15.76	0.00	-15.10	0.00	-37.25	0.00	
252	gLCB6	I[254]	-12.60	0.00	-14.89	0.00	-31.94	0.00	
252	gLCB7	I[254]	-15.76	0.00	-6.33	0.00	-33.00	0.00	
252	gLCB8	I[254]	-12.60	0.00	-6.13	0.00	-27.69	0.00	


Wall
Max. Leg,
Max EV3
Pu

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
252	gLCB9	I[254]	-16.04	0.00	-15.09	0.00	-37.12	0.00
252	gLCB10	I[254]	-12.88	0.00	-14.89	0.00	-31.81	0.00
252	gLCB11	I[254]	-16.04	0.00	-6.32	0.00	-32.87	0.00
252	gLCB12	I[254]	-12.88	0.00	-6.12	0.00	-27.56	0.00
252	gLCB13	I[254]	-14.36	0.00	-14.97	0.00	-33.87	0.00
252	gLCB14	I[254]	-11.20	0.00	-14.76	0.00	-28.56	0.00
252	gLCB15	I[254]	-14.36	0.00	-6.20	0.00	-29.62	0.00
252	gLCB16	I[254]	-11.20	0.00	-6.00	0.00	-24.31	0.00
252	gLCB17(max)	I[254]	-3.88	0.00	0.15	0.00	3.97	0.00
252	gLCB18(max)	I[254]	0.18	0.00	0.08	0.00	1.98	0.00
252	gLCB19(max)	I[254]	-4.06	0.00	0.08	0.00	1.98	0.00
252	gLCB20(max)	I[254]	0.00	0.00	0.00	0.00	0.00	0.00
252	gLCB21(max)	I[254]	-3.88	0.00	0.15	0.00	3.97	0.00
252	gLCB22(max)	I[254]	0.18	0.00	0.08	0.00	1.98	0.00
252	gLCB23(max)	I[254]	-4.06	0.00	0.08	0.00	1.98	0.00
252	gLCB24(max)	I[254]	0.00	0.00	0.00	0.00	0.00	0.00
252	gLCB17(min)	I[254]	-10.80	0.00	-0.58	0.00	-15.08	0.00
252	gLCB18(min)	I[254]	-6.74	0.00	-0.66	0.00	-17.06	0.00
252	gLCB19(min)	I[254]	-10.97	0.00	-0.66	0.00	-17.06	0.00
252	gLCB20(min)	I[254]	-6.92	0.00	-0.73	0.00	-19.05	0.00
252	gLCB21(min)	I[254]	-14.07	0.00	-0.93	0.00	-24.22	0.00
252	gLCB22(min)	I[254]	-10.01	0.00	-1.01	0.00	-26.20	0.00
252	gLCB23(min)	I[254]	-14.25	0.00	-1.01	0.00	-26.20	0.00
252	gLCB24(min)	I[254]	-10.19	0.00	-1.08	0.00	-28.19	0.00
253	gLCB1	I[253]	-17.44	0.00	-15.22	0.00	40.50	0.00
253	gLCB2	I[253]	-14.28	0.00	-15.02	0.00	35.19	0.00
253	gLCB3	I[253]	-17.44	0.00	-6.45	0.00	36.25	0.00
253	gLCB4	I[253]	-14.28	0.00	-6.25	0.00	30.94	0.00
253	gLCB5	I[253]	-15.76	0.00	-15.10	0.00	37.25	0.00
253	gLCB6	I[253]	-12.60	0.00	-14.89	0.00	31.94	0.00
253	gLCB7	I[253]	-15.76	0.00	-6.33	0.00	33.00	0.00
253	gLCB8	I[253]	-12.60	0.00	-6.13	0.00	27.69	0.00
253	gLCB9	I[253]	-16.04	0.00	-15.09	0.00	37.12	0.00
253	gLCB10	I[253]	-12.88	0.00	-14.89	0.00	31.81	0.00
253	gLCB11	I[253]	-16.04	0.00	-6.32	0.00	32.87	0.00
253	gLCB12	I[253]	-12.88	0.00	-6.12	0.00	27.56	0.00
253	gLCB13	I[253]	-14.36	0.00	-14.97	0.00	33.87	0.00
253	gLCB14	I[253]	-11.20	0.00	-14.76	0.00	28.56	0.00
253	gLCB15	I[253]	-14.36	0.00	-6.20	0.00	29.62	0.00
253	gLCB16	I[253]	-11.20	0.00	-6.00	0.00	24.31	0.00
253	gLCB17(max)	I[253]	-3.88	0.00	0.15	0.00	15.08	0.00
253	gLCB18(max)	I[253]	-4.06	0.00	0.08	0.00	17.06	0.00
253	gLCB19(max)	I[253]	0.18	0.00	0.08	0.00	17.06	0.00
253	gLCB20(max)	I[253]	0.00	0.00	0.00	0.00	19.05	0.00
253	gLCB21(max)	I[253]	-3.88	0.00	0.15	0.00	24.22	0.00
253	gLCB22(max)	I[253]	-4.06	0.00	0.08	0.00	26.20	0.00
253	gLCB23(max)	I[253]	0.18	0.00	0.08	0.00	26.20	0.00
253	gLCB24(max)	I[253]	0.00	0.00	0.00	0.00	28.19	0.00
253	gLCB17(min)	I[253]	-10.80	0.00	-0.58	0.00	-3.97	0.00
253	gLCB18(min)	I[253]	-10.97	0.00	-0.66	0.00	-1.98	0.00
253	gLCB19(min)	I[253]	-6.74	0.00	-0.66	0.00	-1.98	0.00
253	gLCB20(min)	I[253]	-6.92	0.00	-0.73	0.00	0.00	0.00
253	gLCB21(min)	I[253]	-14.07	0.00	-0.93	0.00	-3.97	0.00
253	gLCB22(min)	I[253]	-14.25	0.00	-1.01	0.00	-1.98	0.00
253	gLCB23(min)	I[253]	-10.01	0.00	-1.01	0.00	-1.98	0.00
253	gLCB24(min)	I[253]	-10.19	0.00	-1.08	0.00	0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
254	gLCB1	I[256]	-17.36	0.00	-15.29	0.00	-43.66	0.00
254	gLCB2	I[256]	-14.20	0.00	-15.09	0.00	-38.31	0.00
254	gLCB3	I[256]	-17.36	0.00	-6.48	0.00	-37.59	0.00
254	gLCB4	I[256]	-14.20	0.00	-6.28	0.00	-32.23	0.00
254	gLCB5	I[256]	-15.68	0.00	-15.17	0.00	-40.39	0.00
254	gLCB6	I[256]	-12.52	0.00	-14.97	0.00	-35.03	0.00
254	gLCB7	I[256]	-15.68	0.00	-6.36	0.00	-34.31	0.00
254	gLCB8	I[256]	-12.52	0.00	-6.15	0.00	-28.96	0.00
254	gLCB9	I[256]	-15.99	0.00	-15.16	0.00	-40.25	0.00
254	gLCB10	I[256]	-12.83	0.00	-14.96	0.00	-34.90	0.00
254	gLCB11	I[256]	-15.99	0.00	-6.35	0.00	-34.18	0.00
254	gLCB12	I[256]	-12.83	0.00	-6.15	0.00	-28.83	0.00
254	gLCB13	I[256]	-14.31	0.00	-15.04	0.00	-36.98	0.00
254	gLCB14	I[256]	-11.15	0.00	-14.84	0.00	-31.62	0.00
254	gLCB15	I[256]	-14.31	0.00	-6.23	0.00	-30.90	0.00
254	gLCB16	I[256]	-11.15	0.00	-6.02	0.00	-25.55	0.00
254	gLCB17(max)	I[256]	-3.88	0.00	0.15	0.00	4.00	0.00
254	gLCB18(max)	I[256]	0.18	0.00	0.08	0.00	2.00	0.00
254	gLCB19(max)	I[256]	-4.06	0.00	0.08	0.00	2.00	0.00
254	gLCB20(max)	I[256]	0.00	0.00	0.00	0.00	0.00	0.00
254	gLCB21(max)	I[256]	-3.88	0.00	0.15	0.00	4.00	0.00
254	gLCB22(max)	I[256]	0.18	0.00	0.08	0.00	2.00	0.00
254	gLCB23(max)	I[256]	-4.06	0.00	0.08	0.00	2.00	0.00
254	gLCB24(max)	I[256]	0.00	0.00	0.00	0.00	0.00	0.00
254	gLCB17(min)	I[256]	-10.80	0.00	-0.58	0.00	-15.20	0.00
254	gLCB18(min)	I[256]	-6.74	0.00	-0.66	0.00	-17.20	0.00
254	gLCB19(min)	I[256]	-10.97	0.00	-0.66	0.00	-17.20	0.00
254	gLCB20(min)	I[256]	-6.92	0.00	-0.73	0.00	-19.20	0.00
254	gLCB21(min)	I[256]	-14.07	0.00	-0.93	0.00	-24.41	0.00
254	gLCB22(min)	I[256]	-10.01	0.00	-1.01	0.00	-26.41	0.00
254	gLCB23(min)	I[256]	-14.25	0.00	-1.01	0.00	-26.41	0.00
254	gLCB24(min)	I[256]	-10.19	0.00	-1.08	0.00	-28.41	0.00
255	gLCB1	I[255]	-11.21	0.00	-15.29	0.00	51.35	0.00
255	gLCB2	I[255]	-9.38	0.00	-15.09	0.00	44.34	0.00
255	gLCB3	I[255]	-11.21	0.00	-6.48	0.00	45.27	0.00
255	gLCB4	I[255]	-9.38	0.00	-6.28	0.00	38.26	0.00
255	gLCB5	I[255]	-10.15	0.00	-15.17	0.00	47.30	0.00
255	gLCB6	I[255]	-8.31	0.00	-14.97	0.00	40.29	0.00
255	gLCB7	I[255]	-10.15	0.00	-6.36	0.00	41.23	0.00
255	gLCB8	I[255]	-8.31	0.00	-6.15	0.00	34.22	0.00
255	gLCB9	I[255]	-10.14	0.00	-15.16	0.00	47.56	0.00
255	gLCB10	I[255]	-8.31	0.00	-14.96	0.00	40.55	0.00
255	gLCB11	I[255]	-10.14	0.00	-6.35	0.00	41.49	0.00
255	gLCB12	I[255]	-8.31	0.00	-6.15	0.00	34.47	0.00
255	gLCB13	I[255]	-9.08	0.00	-15.04	0.00	43.51	0.00
255	gLCB14	I[255]	-7.24	0.00	-14.84	0.00	36.50	0.00
255	gLCB15	I[255]	-9.08	0.00	-6.23	0.00	37.44	0.00
255	gLCB16	I[255]	-7.24	0.00	-6.02	0.00	30.43	0.00
255	gLCB17(max)	I[255]	0.00	0.00	0.15	0.00	20.04	0.00
255	gLCB18(max)	I[255]	-0.18	0.00	0.08	0.00	22.04	0.00
255	gLCB19(max)	I[255]	0.18	0.00	0.08	0.00	17.20	0.00
255	gLCB20(max)	I[255]	0.00	0.00	0.00	0.00	19.20	0.00
255	gLCB21(max)	I[255]	0.00	0.00	0.15	0.00	29.25	0.00
255	gLCB22(max)	I[255]	-0.18	0.00	0.08	0.00	31.26	0.00
255	gLCB23(max)	I[255]	0.18	0.00	0.08	0.00	26.41	0.00
255	gLCB24(max)	I[255]	0.00	0.00	0.00	0.00	28.41	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
255	gLCB17(min)	I[255]	-6.92	0.00	-0.58	0.00	0.84	0.00	
255	gLCB18(min)	I[255]	-7.10	0.00	-0.66	0.00	2.84	0.00	
255	gLCB19(min)	I[255]	-6.74	0.00	-0.66	0.00	-2.00	0.00	
255	gLCB20(min)	I[255]	-6.92	0.00	-0.73	0.00	0.00	0.00	
255	gLCB21(min)	I[255]	-10.19	0.00	-0.93	0.00	0.84	0.00	
255	gLCB22(min)	I[255]	-10.37	0.00	-1.01	0.00	2.84	0.00	
255	gLCB23(min)	I[255]	-10.01	0.00	-1.01	0.00	-2.00	0.00	
255	gLCB24(min)	I[255]	-10.19	0.00	-1.08	0.00	0.00	0.00	
256	gLCB1	I[285]	-10.96	0.00	-15.51	0.00	-61.61	0.00	
256	gLCB2	I[285]	-9.13	0.00	-15.30	0.00	-54.46	0.00	
256	gLCB3	I[285]	-10.96	0.00	-6.56	0.00	-49.62	0.00	
256	gLCB4	I[285]	-9.13	0.00	-6.36	0.00	-42.47	0.00	
256	gLCB5	I[285]	-9.90	0.00	-15.38	0.00	-57.48	0.00	
256	gLCB6	I[285]	-8.06	0.00	-15.18	0.00	-50.33	0.00	
256	gLCB7	I[285]	-9.90	0.00	-6.44	0.00	-45.49	0.00	
256	gLCB8	I[285]	-8.06	0.00	-6.23	0.00	-38.34	0.00	
256	gLCB9	I[285]	-9.96	0.00	-15.38	0.00	-57.73	0.00	
256	gLCB10	I[285]	-8.13	0.00	-15.17	0.00	-50.58	0.00	
256	gLCB11	I[285]	-9.96	0.00	-6.43	0.00	-45.74	0.00	
256	gLCB12	I[285]	-8.13	0.00	-6.23	0.00	-38.60	0.00	
256	gLCB13	I[285]	-8.90	0.00	-15.25	0.00	-53.60	0.00	
256	gLCB14	I[285]	-7.06	0.00	-15.05	0.00	-46.46	0.00	
256	gLCB15	I[285]	-8.90	0.00	-6.31	0.00	-41.62	0.00	
256	gLCB16	I[285]	-7.06	0.00	-6.10	0.00	-34.47	0.00	
256	gLCB17(max)	I[285]	0.00	0.00	0.15	0.00	-0.74	0.00	
256	gLCB18(max)	I[285]	0.18	0.00	0.08	0.00	2.05	0.00	
256	gLCB19(max)	I[285]	-0.18	0.00	0.08	0.00	-2.79	0.00	
256	gLCB20(max)	I[285]	0.00	0.00	0.00	0.00	0.00	0.00	
256	gLCB21(max)	I[285]	0.00	0.00	0.15	0.00	-0.74	0.00	
256	gLCB22(max)	I[285]	0.18	0.00	0.08	0.00	2.05	0.00	
256	gLCB23(max)	I[285]	-0.18	0.00	0.08	0.00	-2.79	0.00	
256	gLCB24(max)	I[285]	0.00	0.00	0.00	0.00	0.00	0.00	
256	gLCB17(min)	I[285]	-6.92	0.00	-0.58	0.00	-20.43	0.00	
256	gLCB18(min)	I[285]	-6.74	0.00	-0.66	0.00	-17.64	0.00	
256	gLCB19(min)	I[285]	-7.10	0.00	-0.66	0.00	-22.48	0.00	
256	gLCB20(min)	I[285]	-6.92	0.00	-0.73	0.00	-19.69	0.00	
256	gLCB21(min)	I[285]	-10.19	0.00	-0.93	0.00	-29.88	0.00	
256	gLCB22(min)	I[285]	-10.01	0.00	-1.01	0.00	-27.08	0.00	
256	gLCB23(min)	I[285]	-10.37	0.00	-1.01	0.00	-31.93	0.00	
256	gLCB24(min)	I[285]	-10.19	0.00	-1.08	0.00	-29.13	0.00	
257	gLCB1	I[257]	-15.51	0.00	-10.96	0.00	-61.61	0.00	Top Slab Max. Leg. Max DL Pu
257	gLCB2	I[257]	-15.30	0.00	-9.13	0.00	-54.46	0.00	
257	gLCB3	I[257]	-6.56	0.00	-10.96	0.00	-49.62	0.00	
257	gLCB4	I[257]	-6.36	0.00	-9.13	0.00	-42.47	0.00	
257	gLCB5	I[257]	-15.38	0.00	-9.90	0.00	-57.48	0.00	
257	gLCB6	I[257]	-15.18	0.00	-8.06	0.00	-50.33	0.00	
257	gLCB7	I[257]	-6.44	0.00	-9.90	0.00	-45.49	0.00	
257	gLCB8	I[257]	-6.23	0.00	-8.06	0.00	-38.34	0.00	
257	gLCB9	I[257]	-15.38	0.00	-9.96	0.00	-57.73	0.00	
257	gLCB10	I[257]	-15.17	0.00	-8.13	0.00	-50.58	0.00	
257	gLCB11	I[257]	-6.43	0.00	-9.96	0.00	-45.74	0.00	
257	gLCB12	I[257]	-6.23	0.00	-8.13	0.00	-38.60	0.00	
257	gLCB13	I[257]	-15.25	0.00	-8.90	0.00	-53.60	0.00	
257	gLCB14	I[257]	-15.05	0.00	-7.06	0.00	-46.46	0.00	
257	gLCB15	I[257]	-6.31	0.00	-8.90	0.00	-41.62	0.00	
257	gLCB16	I[257]	-6.10	0.00	-7.06	0.00	-34.47	0.00	

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
257	gLCB17(max)	I[257]	0.15	0.00	0.00	0.00	-0.74	0.00	
257	gLCB18(max)	I[257]	0.08	0.00	-0.18	0.00	-2.79	0.00	
257	gLCB19(max)	I[257]	0.08	0.00	0.18	0.00	2.05	0.00	
257	gLCB20(max)	I[257]	0.00	0.00	0.00	0.00	0.00	0.00	
257	gLCB21(max)	I[257]	0.15	0.00	0.00	0.00	-0.74	0.00	
257	gLCB22(max)	I[257]	0.08	0.00	-0.18	0.00	-2.79	0.00	
257	gLCB23(max)	I[257]	0.08	0.00	0.18	0.00	2.05	0.00	
257	gLCB24(max)	I[257]	0.00	0.00	0.00	0.00	0.00	0.00	
257	gLCB17(min)	I[257]	-0.58	0.00	-6.92	0.00	-20.43	0.00	
257	gLCB18(min)	I[257]	-0.66	0.00	-7.10	0.00	-22.48	0.00	
257	gLCB19(min)	I[257]	-0.66	0.00	-6.74	0.00	-17.64	0.00	
257	gLCB20(min)	I[257]	-0.73	0.00	-6.92	0.00	-19.69	0.00	
257	gLCB21(min)	I[257]	-0.93	0.00	-10.19	0.00	-29.88	0.00	
257	gLCB22(min)	I[257]	-1.01	0.00	-10.37	0.00	-31.93	0.00	
257	gLCB23(min)	I[257]	-1.01	0.00	-10.01	0.00	-27.08	0.00	
257	gLCB24(min)	I[257]	-1.08	0.00	-10.19	0.00	-29.13	0.00	
258	gLCB1	I[258]	-15.51	0.00	-10.17	0.00	-51.04	0.00	
258	gLCB2	I[258]	-15.30	0.00	-8.47	0.00	-45.66	0.00	
258	gLCB3	I[258]	-6.56	0.00	-10.17	0.00	-39.05	0.00	
258	gLCB4	I[258]	-6.36	0.00	-8.47	0.00	-33.67	0.00	
258	gLCB5	I[258]	-15.38	0.00	-9.18	0.00	-47.94	0.00	
258	gLCB6	I[258]	-15.18	0.00	-7.48	0.00	-42.56	0.00	
258	gLCB7	I[258]	-6.44	0.00	-9.18	0.00	-35.95	0.00	
258	gLCB8	I[258]	-6.23	0.00	-7.48	0.00	-30.57	0.00	
258	gLCB9	I[258]	-15.38	0.00	-9.24	0.00	-48.13	0.00	
258	gLCB10	I[258]	-15.17	0.00	-7.54	0.00	-42.75	0.00	
258	gLCB11	I[258]	-6.43	0.00	-9.23	0.00	-36.14	0.00	
258	gLCB12	I[258]	-6.23	0.00	-7.54	0.00	-30.76	0.00	
258	gLCB13	I[258]	-15.25	0.00	-8.25	0.00	-45.03	0.00	
258	gLCB14	I[258]	-15.05	0.00	-6.55	0.00	-39.65	0.00	
258	gLCB15	I[258]	-6.31	0.00	-8.25	0.00	-33.04	0.00	
258	gLCB16	I[258]	-6.10	0.00	-6.55	0.00	-27.66	0.00	
258	gLCB17(max)	I[258]	0.15	0.00	0.04	0.00	0.26	0.00	
258	gLCB18(max)	I[258]	0.08	0.00	-0.14	0.00	-1.61	0.00	
258	gLCB19(max)	I[258]	0.08	0.00	0.22	0.00	2.88	0.00	
258	gLCB20(max)	I[258]	0.00	0.00	0.04	0.00	1.00	0.00	
258	gLCB21(max)	I[258]	0.15	0.00	0.05	0.00	0.29	0.00	
258	gLCB22(max)	I[258]	0.08	0.00	-0.13	0.00	-1.58	0.00	
258	gLCB23(max)	I[258]	0.08	0.00	0.23	0.00	2.90	0.00	
258	gLCB24(max)	I[258]	0.00	0.00	0.05	0.00	1.03	0.00	
258	gLCB17(min)	I[258]	-0.58	0.00	-6.55	0.00	-15.72	0.00	
258	gLCB18(min)	I[258]	-0.66	0.00	-6.73	0.00	-17.60	0.00	
258	gLCB19(min)	I[258]	-0.66	0.00	-6.38	0.00	-13.11	0.00	
258	gLCB20(min)	I[258]	-0.73	0.00	-6.55	0.00	-14.98	0.00	
258	gLCB21(min)	I[258]	-0.93	0.00	-9.65	0.00	-24.80	0.00	
258	gLCB22(min)	I[258]	-1.01	0.00	-9.83	0.00	-26.67	0.00	
258	gLCB23(min)	I[258]	-1.01	0.00	-9.47	0.00	-22.19	0.00	
258	gLCB24(min)	I[258]	-1.08	0.00	-9.65	0.00	-24.06	0.00	
259	gLCB1	I[259]	-15.51	0.00	-9.37	0.00	-41.27	0.00	Top Slab Max Leg Max DL
259	gLCB2	I[259]	-15.30	0.00	-7.80	0.00	-37.52	0.00	
259	gLCB3	I[259]	-6.56	0.00	-9.37	0.00	-29.29	0.00	
259	gLCB4	I[259]	-6.36	0.00	-7.80	0.00	-25.54	0.00	
259	gLCB5	I[259]	-15.38	0.00	-8.46	0.00	-39.12	0.00	
259	gLCB6	I[259]	-15.18	0.00	-6.89	0.00	-35.37	0.00	
259	gLCB7	I[259]	-6.44	0.00	-8.46	0.00	-27.13	0.00	
259	gLCB8	I[259]	-6.23	0.00	-6.89	0.00	-23.39	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
259	gLCB9	I[259]	-15.38	0.00	-8.51	0.00	-39.26	0.00	
259	gLCB10	I[259]	-15.17	0.00	-6.94	0.00	-35.51	0.00	
259	gLCB11	I[259]	-6.43	0.00	-8.51	0.00	-27.27	0.00	
259	gLCB12	I[259]	-6.23	0.00	-6.94	0.00	-23.52	0.00	
259	gLCB13	I[259]	-15.25	0.00	-7.60	0.00	-37.11	0.00	
259	gLCB14	I[259]	-15.05	0.00	-6.03	0.00	-33.36	0.00	
259	gLCB15	I[259]	-6.31	0.00	-7.60	0.00	-25.12	0.00	
259	gLCB16	I[259]	-6.10	0.00	-6.03	0.00	-21.37	0.00	
259	gLCB17(max)	I[259]	0.15	0.00	0.13	0.00	2.83	0.00	
259	gLCB18(max)	I[259]	0.08	0.00	-0.05	0.00	1.14	0.00	
259	gLCB19(max)	I[259]	0.08	0.00	0.31	0.00	5.27	0.00	
259	gLCB20(max)	I[259]	0.00	0.00	0.13	0.00	3.57	0.00	
259	gLCB21(max)	I[259]	0.15	0.00	0.15	0.00	2.92	0.00	
259	gLCB22(max)	I[259]	0.08	0.00	-0.03	0.00	1.23	0.00	
259	gLCB23(max)	I[259]	0.08	0.00	0.33	0.00	5.36	0.00	
259	gLCB24(max)	I[259]	0.00	0.00	0.15	0.00	3.67	0.00	
259	gLCB17(min)	I[259]	-0.58	0.00	-6.19	0.00	-11.57	0.00	Top Slab
259	gLCB18(min)	I[259]	-0.66	0.00	-6.37	0.00	-13.26	0.00	Max Leg
259	gLCB19(min)	I[259]	-0.66	0.00	-6.01	0.00	-9.13	0.00	Max EV2
259	gLCB20(min)	I[259]	-0.73	0.00	-6.19	0.00	-10.83	0.00	
259	gLCB21(min)	I[259]	-0.93	0.00	-9.10	0.00	-20.20	0.00	Top Slab
259	gLCB22(min)	I[259]	-1.01	0.00	-9.28	0.00	-21.89	0.00	Max Leg
259	gLCB23(min)	I[259]	-1.01	0.00	-8.92	0.00	-17.76	0.00	Max EV3
259	gLCB24(min)	I[259]	-1.08	0.00	-9.10	0.00	-19.46	0.00	
260	gLCB1	I[260]	-15.51	0.00	-8.56	0.00	-32.31	0.00	
260	gLCB2	I[260]	-15.30	0.00	-7.14	0.00	-30.06	0.00	
260	gLCB3	I[260]	-6.56	0.00	-8.56	0.00	-20.32	0.00	
260	gLCB4	I[260]	-6.36	0.00	-7.14	0.00	-18.07	0.00	
260	gLCB5	I[260]	-15.38	0.00	-7.73	0.00	-31.03	0.00	
260	gLCB6	I[260]	-15.18	0.00	-6.31	0.00	-28.77	0.00	
260	gLCB7	I[260]	-6.44	0.00	-7.73	0.00	-19.04	0.00	
260	gLCB8	I[260]	-6.23	0.00	-6.31	0.00	-16.78	0.00	
260	gLCB9	I[260]	-15.38	0.00	-7.77	0.00	-31.12	0.00	
260	gLCB10	I[260]	-15.17	0.00	-6.35	0.00	-28.87	0.00	
260	gLCB11	I[260]	-6.43	0.00	-7.77	0.00	-19.13	0.00	
260	gLCB12	I[260]	-6.23	0.00	-6.35	0.00	-16.88	0.00	
260	gLCB13	I[260]	-15.25	0.00	-6.94	0.00	-29.84	0.00	
260	gLCB14	I[260]	-15.05	0.00	-5.52	0.00	-27.59	0.00	
260	gLCB15	I[260]	-6.31	0.00	-6.94	0.00	-17.85	0.00	
260	gLCB16	I[260]	-6.10	0.00	-5.52	0.00	-15.60	0.00	
260	gLCB17(max)	I[260]	0.15	0.00	0.28	0.00	5.55	0.00	
260	gLCB18(max)	I[260]	0.08	0.00	0.10	0.00	4.04	0.00	
260	gLCB19(max)	I[260]	0.08	0.00	0.46	0.00	7.80	0.00	
260	gLCB20(max)	I[260]	0.00	0.00	0.28	0.00	6.29	0.00	
260	gLCB21(max)	I[260]	0.15	0.00	0.31	0.00	6.88	0.00	
260	gLCB22(max)	I[260]	0.08	0.00	0.13	0.00	5.36	0.00	
260	gLCB23(max)	I[260]	0.08	0.00	0.49	0.00	9.13	0.00	
260	gLCB24(max)	I[260]	0.00	0.00	0.31	0.00	7.62	0.00	
260	gLCB17(min)	I[260]	-0.58	0.00	-5.83	0.00	-9.33	0.00	
260	gLCB18(min)	I[260]	-0.66	0.00	-6.01	0.00	-10.85	0.00	
260	gLCB19(min)	I[260]	-0.66	0.00	-5.65	0.00	-7.08	0.00	
260	gLCB20(min)	I[260]	-0.73	0.00	-5.83	0.00	-8.59	0.00	
260	gLCB21(min)	I[260]	-0.93	0.00	-8.56	0.00	-16.07	0.00	
260	gLCB22(min)	I[260]	-1.01	0.00	-8.74	0.00	-17.58	0.00	
260	gLCB23(min)	I[260]	-1.01	0.00	-8.38	0.00	-13.81	0.00	
260	gLCB24(min)	I[260]	-1.08	0.00	-8.56	0.00	-15.32	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
261	gLCB1	I[261]	-15.51	0.00	-7.76	0.00	-24.15	0.00
261	gLCB2	I[261]	-15.30	0.00	-6.47	0.00	-23.25	0.00
261	gLCB3	I[261]	-6.56	0.00	-7.76	0.00	-12.16	0.00
261	gLCB4	I[261]	-6.36	0.00	-6.47	0.00	-11.26	0.00
261	gLCB5	I[261]	-15.38	0.00	-7.01	0.00	-23.66	0.00
261	gLCB6	I[261]	-15.18	0.00	-5.72	0.00	-22.76	0.00
261	gLCB7	I[261]	-6.44	0.00	-7.01	0.00	-11.67	0.00
261	gLCB8	I[261]	-6.23	0.00	-5.72	0.00	-10.77	0.00
261	gLCB9	I[261]	-15.38	0.00	-7.04	0.00	-23.71	0.00
261	gLCB10	I[261]	-15.17	0.00	-5.75	0.00	-22.82	0.00
261	gLCB11	I[261]	-6.43	0.00	-7.04	0.00	-11.73	0.00
261	gLCB12	I[261]	-6.23	0.00	-5.75	0.00	-10.83	0.00
261	gLCB13	I[261]	-15.25	0.00	-6.29	0.00	-23.22	0.00
261	gLCB14	I[261]	-15.05	0.00	-5.00	0.00	-22.33	0.00
261	gLCB15	I[261]	-6.31	0.00	-6.29	0.00	-11.23	0.00
261	gLCB16	I[261]	-6.10	0.00	-5.00	0.00	-10.34	0.00
261	gLCB17(max)	I[261]	0.15	0.00	0.48	0.00	8.02	0.00
261	gLCB18(max)	I[261]	0.08	0.00	0.30	0.00	6.68	0.00
261	gLCB19(max)	I[261]	0.08	0.00	0.66	0.00	10.09	0.00
261	gLCB20(max)	I[261]	0.00	0.00	0.48	0.00	8.76	0.00
261	gLCB21(max)	I[261]	0.15	0.00	0.51	0.00	11.34	0.00
261	gLCB22(max)	I[261]	0.08	0.00	0.33	0.00	10.01	0.00
261	gLCB23(max)	I[261]	0.08	0.00	0.69	0.00	13.42	0.00
261	gLCB24(max)	I[261]	0.00	0.00	0.51	0.00	12.08	0.00
261	gLCB17(min)	I[261]	-0.58	0.00	-5.46	0.00	-7.35	0.00
261	gLCB18(min)	I[261]	-0.66	0.00	-5.64	0.00	-8.69	0.00
261	gLCB19(min)	I[261]	-0.66	0.00	-5.28	0.00	-5.28	0.00
261	gLCB20(min)	I[261]	-0.73	0.00	-5.46	0.00	-6.61	0.00
261	gLCB21(min)	I[261]	-0.93	0.00	-8.01	0.00	-12.40	0.00
261	gLCB22(min)	I[261]	-1.01	0.00	-8.19	0.00	-13.74	0.00
261	gLCB23(min)	I[261]	-1.01	0.00	-7.83	0.00	-10.33	0.00
261	gLCB24(min)	I[261]	-1.08	0.00	-8.01	0.00	-11.66	0.00
262	gLCB1	I[262]	-15.51	0.00	-6.95	0.00	-16.79	0.00
262	gLCB2	I[262]	-15.30	0.00	-5.80	0.00	-17.12	0.00
262	gLCB3	I[262]	-6.56	0.00	-6.95	0.00	-4.81	0.00
262	gLCB4	I[262]	-6.36	0.00	-5.80	0.00	-5.13	0.00
262	gLCB5	I[262]	-15.38	0.00	-6.28	0.00	-17.01	0.00
262	gLCB6	I[262]	-15.18	0.00	-5.12	0.00	-17.34	0.00
262	gLCB7	I[262]	-6.44	0.00	-6.28	0.00	-5.03	0.00
262	gLCB8	I[262]	-6.23	0.00	-5.12	0.00	-5.35	0.00
262	gLCB9	I[262]	-15.38	0.00	-6.31	0.00	-17.04	0.00
262	gLCB10	I[262]	-15.17	0.00	-5.15	0.00	-17.37	0.00
262	gLCB11	I[262]	-6.43	0.00	-6.31	0.00	-5.05	0.00
262	gLCB12	I[262]	-6.23	0.00	-5.15	0.00	-5.38	0.00
262	gLCB13	I[262]	-15.25	0.00	-5.64	0.00	-17.26	0.00
262	gLCB14	I[262]	-15.05	0.00	-4.48	0.00	-17.59	0.00
262	gLCB15	I[262]	-6.31	0.00	-5.64	0.00	-5.27	0.00
262	gLCB16	I[262]	-6.10	0.00	-4.48	0.00	-5.60	0.00
262	gLCB17(max)	I[262]	0.15	0.00	0.68	0.00	10.24	0.00
262	gLCB18(max)	I[262]	0.08	0.00	0.50	0.00	9.08	0.00
262	gLCB19(max)	I[262]	0.08	0.00	0.86	0.00	12.13	0.00
262	gLCB20(max)	I[262]	0.00	0.00	0.68	0.00	10.98	0.00
262	gLCB21(max)	I[262]	0.15	0.00	0.77	0.00	15.44	0.00
262	gLCB22(max)	I[262]	0.08	0.00	0.59	0.00	14.28	0.00
262	gLCB23(max)	I[262]	0.08	0.00	0.94	0.00	17.33	0.00
262	gLCB24(max)	I[262]	0.00	0.00	0.77	0.00	16.18	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
262	gLCB17(min)	I[262]	-0.58	0.00	-5.10	0.00	-5.63	0.00
262	gLCB18(min)	I[262]	-0.66	0.00	-5.28	0.00	-6.79	0.00
262	gLCB19(min)	I[262]	-0.66	0.00	-4.92	0.00	-3.74	0.00
262	gLCB20(min)	I[262]	-0.73	0.00	-5.10	0.00	-4.89	0.00
262	gLCB21(min)	I[262]	-0.93	0.00	-7.47	0.00	-9.21	0.00
262	gLCB22(min)	I[262]	-1.01	0.00	-7.65	0.00	-10.37	0.00
262	gLCB23(min)	I[262]	-1.01	0.00	-7.29	0.00	-7.32	0.00
262	gLCB24(min)	I[262]	-1.08	0.00	-7.47	0.00	-8.47	0.00
263	gLCB1	I[263]	-15.51	0.00	-6.14	0.00	-10.25	0.00
263	gLCB2	I[263]	-15.30	0.00	-5.12	0.00	-11.66	0.00
263	gLCB3	I[263]	-6.56	0.00	-6.14	0.00	1.74	0.00
263	gLCB4	I[263]	-6.36	0.00	-5.12	0.00	0.33	0.00
263	gLCB5	I[263]	-15.38	0.00	-5.55	0.00	-11.10	0.00
263	gLCB6	I[263]	-15.18	0.00	-4.53	0.00	-12.52	0.00
263	gLCB7	I[263]	-6.44	0.00	-5.55	0.00	0.89	0.00
263	gLCB8	I[263]	-6.23	0.00	-4.53	0.00	-0.53	0.00
263	gLCB9	I[263]	-15.38	0.00	-5.57	0.00	-11.10	0.00
263	gLCB10	I[263]	-15.17	0.00	-4.55	0.00	-12.51	0.00
263	gLCB11	I[263]	-6.43	0.00	-5.57	0.00	0.89	0.00
263	gLCB12	I[263]	-6.23	0.00	-4.55	0.00	-0.53	0.00
263	gLCB13	I[263]	-15.25	0.00	-4.98	0.00	-11.95	0.00
263	gLCB14	I[263]	-15.05	0.00	-3.96	0.00	-13.37	0.00
263	gLCB15	I[263]	-6.31	0.00	-4.98	0.00	0.04	0.00
263	gLCB16	I[263]	-6.10	0.00	-3.96	0.00	-1.38	0.00
263	gLCB17(max)	I[263]	0.15	0.00	0.88	0.00	12.21	0.00
263	gLCB18(max)	I[263]	0.08	0.00	0.70	0.00	11.24	0.00
263	gLCB19(max)	I[263]	0.08	0.00	1.06	0.00	13.93	0.00
263	gLCB20(max)	I[263]	0.00	0.00	0.88	0.00	12.95	0.00
263	gLCB21(max)	I[263]	0.15	0.00	1.08	0.00	19.08	0.00
263	gLCB22(max)	I[263]	0.08	0.00	0.90	0.00	18.10	0.00
263	gLCB23(max)	I[263]	0.08	0.00	1.26	0.00	20.79	0.00
263	gLCB24(max)	I[263]	0.00	0.00	1.08	0.00	19.82	0.00
263	gLCB17(min)	I[263]	-0.58	0.00	-4.73	0.00	-4.16	0.00
263	gLCB18(min)	I[263]	-0.66	0.00	-4.91	0.00	-5.14	0.00
263	gLCB19(min)	I[263]	-0.66	0.00	-4.55	0.00	-2.44	0.00
263	gLCB20(min)	I[263]	-0.73	0.00	-4.73	0.00	-3.42	0.00
263	gLCB21(min)	I[263]	-0.93	0.00	-6.94	0.00	-6.49	0.00
263	gLCB22(min)	I[263]	-1.01	0.00	-7.12	0.00	-7.47	0.00
263	gLCB23(min)	I[263]	-1.01	0.00	-6.76	0.00	-4.78	0.00
263	gLCB24(min)	I[263]	-1.08	0.00	-6.94	0.00	-5.75	0.00
264	gLCB1	I[264]	-15.51	0.00	-5.33	0.00	-4.51	0.00
264	gLCB2	I[264]	-15.30	0.00	-4.45	0.00	-6.88	0.00
264	gLCB3	I[264]	-6.56	0.00	-5.33	0.00	7.48	0.00
264	gLCB4	I[264]	-6.36	0.00	-4.45	0.00	5.11	0.00
264	gLCB5	I[264]	-15.38	0.00	-4.82	0.00	-5.92	0.00
264	gLCB6	I[264]	-15.18	0.00	-3.93	0.00	-8.28	0.00
264	gLCB7	I[264]	-6.44	0.00	-4.82	0.00	6.07	0.00
264	gLCB8	I[264]	-6.23	0.00	-3.93	0.00	3.70	0.00
264	gLCB9	I[264]	-15.38	0.00	-4.83	0.00	-5.90	0.00
264	gLCB10	I[264]	-15.17	0.00	-3.95	0.00	-8.26	0.00
264	gLCB11	I[264]	-6.43	0.00	-4.83	0.00	6.09	0.00
264	gLCB12	I[264]	-6.23	0.00	-3.95	0.00	3.72	0.00
264	gLCB13	I[264]	-15.25	0.00	-4.32	0.00	-7.30	0.00
264	gLCB14	I[264]	-15.05	0.00	-3.44	0.00	-9.67	0.00
264	gLCB15	I[264]	-6.31	0.00	-4.32	0.00	4.68	0.00
264	gLCB16	I[264]	-6.10	0.00	-3.44	0.00	2.32	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
264	gLCB17(max)	I[264]	0.15	0.00	1.08	0.00	13.94	0.00
264	gLCB18(max)	I[264]	0.08	0.00	0.90	0.00	13.14	0.00
264	gLCB19(max)	I[264]	0.08	0.00	1.26	0.00	15.48	0.00
264	gLCB20(max)	I[264]	0.00	0.00	1.08	0.00	14.68	0.00
264	gLCB21(max)	I[264]	0.15	0.00	1.44	0.00	22.26	0.00
264	gLCB22(max)	I[264]	0.08	0.00	1.26	0.00	21.46	0.00
264	gLCB23(max)	I[264]	0.08	0.00	1.61	0.00	23.80	0.00
264	gLCB24(max)	I[264]	0.00	0.00	1.44	0.00	23.00	0.00
264	gLCB17(min)	I[264]	-0.58	0.00	-4.37	0.00	-2.95	0.00
264	gLCB18(min)	I[264]	-0.66	0.00	-4.55	0.00	-3.74	0.00
264	gLCB19(min)	I[264]	-0.66	0.00	-4.19	0.00	-1.41	0.00
264	gLCB20(min)	I[264]	-0.73	0.00	-4.37	0.00	-2.21	0.00
264	gLCB21(min)	I[264]	-0.93	0.00	-6.46	0.00	-4.25	0.00
264	gLCB22(min)	I[264]	-1.01	0.00	-6.64	0.00	-5.04	0.00
264	gLCB23(min)	I[264]	-1.01	0.00	-6.28	0.00	-2.71	0.00
264	gLCB24(min)	I[264]	-1.08	0.00	-6.46	0.00	-3.51	0.00
265	gLCB1	I[265]	-15.51	0.00	-4.52	0.00	0.41	0.00
265	gLCB2	I[265]	-15.30	0.00	-3.77	0.00	-2.77	0.00
265	gLCB3	I[265]	-6.56	0.00	-4.52	0.00	12.40	0.00
265	gLCB4	I[265]	-6.36	0.00	-3.77	0.00	9.22	0.00
265	gLCB5	I[265]	-15.38	0.00	-4.08	0.00	-1.47	0.00
265	gLCB6	I[265]	-15.18	0.00	-3.33	0.00	-4.65	0.00
265	gLCB7	I[265]	-6.44	0.00	-4.08	0.00	10.52	0.00
265	gLCB8	I[265]	-6.23	0.00	-3.33	0.00	7.34	0.00
265	gLCB9	I[265]	-15.38	0.00	-4.09	0.00	-1.43	0.00
265	gLCB10	I[265]	-15.17	0.00	-3.35	0.00	-4.62	0.00
265	gLCB11	I[265]	-6.43	0.00	-4.09	0.00	10.55	0.00
265	gLCB12	I[265]	-6.23	0.00	-3.35	0.00	7.37	0.00
265	gLCB13	I[265]	-15.25	0.00	-3.66	0.00	-3.31	0.00
265	gLCB14	I[265]	-15.05	0.00	-2.91	0.00	-6.50	0.00
265	gLCB15	I[265]	-6.31	0.00	-3.66	0.00	8.67	0.00
265	gLCB16	I[265]	-6.10	0.00	-2.91	0.00	5.49	0.00
265	gLCB17(max)	I[265]	0.15	0.00	1.29	0.00	15.42	0.00
265	gLCB18(max)	I[265]	0.08	0.00	1.11	0.00	14.80	0.00
265	gLCB19(max)	I[265]	0.08	0.00	1.47	0.00	16.77	0.00
265	gLCB20(max)	I[265]	0.00	0.00	1.29	0.00	16.16	0.00
265	gLCB21(max)	I[265]	0.15	0.00	1.81	0.00	24.98	0.00
265	gLCB22(max)	I[265]	0.08	0.00	1.63	0.00	24.36	0.00
265	gLCB23(max)	I[265]	0.08	0.00	1.99	0.00	26.34	0.00
265	gLCB24(max)	I[265]	0.00	0.00	1.81	0.00	25.72	0.00
265	gLCB17(min)	I[265]	-0.58	0.00	-4.00	0.00	-1.99	0.00
265	gLCB18(min)	I[265]	-0.66	0.00	-4.18	0.00	-2.60	0.00
265	gLCB19(min)	I[265]	-0.66	0.00	-3.82	0.00	-0.63	0.00
265	gLCB20(min)	I[265]	-0.73	0.00	-4.00	0.00	-1.24	0.00
265	gLCB21(min)	I[265]	-0.93	0.00	-6.01	0.00	-2.47	0.00
265	gLCB22(min)	I[265]	-1.01	0.00	-6.19	0.00	-3.09	0.00
265	gLCB23(min)	I[265]	-1.01	0.00	-5.83	0.00	-1.11	0.00
265	gLCB24(min)	I[265]	-1.08	0.00	-6.01	0.00	-1.73	0.00
266	gLCB1	I[266]	-15.51	0.00	-3.70	0.00	4.52	0.00
266	gLCB2	I[266]	-15.30	0.00	-3.09	0.00	0.66	0.00
266	gLCB3	I[266]	-6.56	0.00	-3.70	0.00	16.51	0.00
266	gLCB4	I[266]	-6.36	0.00	-3.09	0.00	12.65	0.00
266	gLCB5	I[266]	-15.38	0.00	-3.34	0.00	2.24	0.00
266	gLCB6	I[266]	-15.18	0.00	-2.73	0.00	-1.62	0.00
266	gLCB7	I[266]	-6.44	0.00	-3.34	0.00	14.23	0.00
266	gLCB8	I[266]	-6.23	0.00	-2.73	0.00	10.37	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
266	gLCB9	I[266]	-15.38	0.00	-3.35	0.00	2.29	0.00
266	gLCB10	I[266]	-15.17	0.00	-2.74	0.00	-1.57	0.00
266	gLCB11	I[266]	-6.43	0.00	-3.35	0.00	14.28	0.00
266	gLCB12	I[266]	-6.23	0.00	-2.74	0.00	10.42	0.00
266	gLCB13	I[266]	-15.25	0.00	-3.00	0.00	0.01	0.00
266	gLCB14	I[266]	-15.05	0.00	-2.39	0.00	-3.85	0.00
266	gLCB15	I[266]	-6.31	0.00	-3.00	0.00	12.00	0.00
266	gLCB16	I[266]	-6.10	0.00	-2.39	0.00	8.14	0.00
266	gLCB17(max)	I[266]	0.15	0.00	1.50	0.00	16.65	0.00
266	gLCB18(max)	I[266]	0.08	0.00	1.32	0.00	16.21	0.00
266	gLCB19(max)	I[266]	0.08	0.00	1.68	0.00	17.83	0.00
266	gLCB20(max)	I[266]	0.00	0.00	1.50	0.00	17.39	0.00
266	gLCB21(max)	I[266]	0.15	0.00	2.18	0.00	27.24	0.00
266	gLCB22(max)	I[266]	0.08	0.00	2.00	0.00	26.81	0.00
266	gLCB23(max)	I[266]	0.08	0.00	2.36	0.00	28.42	0.00
266	gLCB24(max)	I[266]	0.00	0.00	2.18	0.00	27.99	0.00
266	gLCB17(min)	I[266]	-0.58	0.00	-3.64	0.00	-1.28	0.00
266	gLCB18(min)	I[266]	-0.66	0.00	-3.82	0.00	-1.72	0.00
266	gLCB19(min)	I[266]	-0.66	0.00	-3.46	0.00	-0.10	0.00
266	gLCB20(min)	I[266]	-0.73	0.00	-3.64	0.00	-0.54	0.00
266	gLCB21(min)	I[266]	-0.93	0.00	-5.61	0.00	-1.33	0.00
266	gLCB22(min)	I[266]	-1.01	0.00	-5.78	0.00	-1.76	0.00
266	gLCB23(min)	I[266]	-1.01	0.00	-5.43	0.00	-0.15	0.00
266	gLCB24(min)	I[266]	-1.08	0.00	-5.61	0.00	-0.59	0.00
267	gLCB1	I[267]	-15.51	0.00	-2.88	0.00	7.81	0.00
267	gLCB2	I[267]	-15.30	0.00	-2.41	0.00	3.41	0.00
267	gLCB3	I[267]	-6.56	0.00	-2.88	0.00	19.80	0.00
267	gLCB4	I[267]	-6.36	0.00	-2.41	0.00	15.39	0.00
267	gLCB5	I[267]	-15.38	0.00	-2.60	0.00	5.22	0.00
267	gLCB6	I[267]	-15.18	0.00	-2.13	0.00	0.81	0.00
267	gLCB7	I[267]	-6.44	0.00	-2.60	0.00	17.21	0.00
267	gLCB8	I[267]	-6.23	0.00	-2.13	0.00	12.80	0.00
267	gLCB9	I[267]	-15.38	0.00	-2.61	0.00	5.27	0.00
267	gLCB10	I[267]	-15.17	0.00	-2.14	0.00	0.87	0.00
267	gLCB11	I[267]	-6.43	0.00	-2.61	0.00	17.26	0.00
267	gLCB12	I[267]	-6.23	0.00	-2.14	0.00	12.86	0.00
267	gLCB13	I[267]	-15.25	0.00	-2.33	0.00	2.68	0.00
267	gLCB14	I[267]	-15.05	0.00	-1.86	0.00	-1.72	0.00
267	gLCB15	I[267]	-6.31	0.00	-2.33	0.00	14.67	0.00
267	gLCB16	I[267]	-6.10	0.00	-1.86	0.00	10.26	0.00
267	gLCB17(max)	I[267]	0.15	0.00	1.71	0.00	17.67	0.00
267	gLCB18(max)	I[267]	0.08	0.00	1.53	0.00	17.41	0.00
267	gLCB19(max)	I[267]	0.08	0.00	1.89	0.00	18.67	0.00
267	gLCB20(max)	I[267]	0.00	0.00	1.71	0.00	18.41	0.00
267	gLCB21(max)	I[267]	0.15	0.00	2.55	0.00	29.05	0.00
267	gLCB22(max)	I[267]	0.08	0.00	2.37	0.00	28.79	0.00
267	gLCB23(max)	I[267]	0.08	0.00	2.73	0.00	30.05	0.00
267	gLCB24(max)	I[267]	0.00	0.00	2.55	0.00	29.79	0.00
267	gLCB17(min)	I[267]	-0.58	0.00	-3.32	0.00	-0.85	0.00
267	gLCB18(min)	I[267]	-0.66	0.00	-3.50	0.00	-1.10	0.00
267	gLCB19(min)	I[267]	-0.66	0.00	-3.14	0.00	0.15	0.00
267	gLCB20(min)	I[267]	-0.73	0.00	-3.32	0.00	-0.11	0.00
267	gLCB21(min)	I[267]	-0.93	0.00	-5.21	0.00	-0.84	0.00
267	gLCB22(min)	I[267]	-1.01	0.00	-5.39	0.00	-1.10	0.00
267	gLCB23(min)	I[267]	-1.01	0.00	-5.03	0.00	0.15	0.00
267	gLCB24(min)	I[267]	-1.08	0.00	-5.21	0.00	-0.10	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
268	gLCB1	I[268]	-15.51	0.00	-2.06	0.00	10.28	0.00
268	gLCB2	I[268]	-15.30	0.00	-1.72	0.00	5.47	0.00
268	gLCB3	I[268]	-6.56	0.00	-2.06	0.00	22.27	0.00
268	gLCB4	I[268]	-6.36	0.00	-1.72	0.00	17.46	0.00
268	gLCB5	I[268]	-15.38	0.00	-1.86	0.00	7.45	0.00
268	gLCB6	I[268]	-15.18	0.00	-1.52	0.00	2.64	0.00
268	gLCB7	I[268]	-6.44	0.00	-1.86	0.00	19.44	0.00
268	gLCB8	I[268]	-6.23	0.00	-1.52	0.00	14.63	0.00
268	gLCB9	I[268]	-15.38	0.00	-1.87	0.00	7.51	0.00
268	gLCB10	I[268]	-15.17	0.00	-1.53	0.00	2.70	0.00
268	gLCB11	I[268]	-6.43	0.00	-1.87	0.00	19.50	0.00
268	gLCB12	I[268]	-6.23	0.00	-1.53	0.00	14.69	0.00
268	gLCB13	I[268]	-15.25	0.00	-1.67	0.00	4.68	0.00
268	gLCB14	I[268]	-15.05	0.00	-1.33	0.00	-0.13	0.00
268	gLCB15	I[268]	-6.31	0.00	-1.67	0.00	16.67	0.00
268	gLCB16	I[268]	-6.10	0.00	-1.33	0.00	11.86	0.00
268	gLCB17(max)	I[268]	0.15	0.00	1.92	0.00	18.52	0.00
268	gLCB18(max)	I[268]	0.08	0.00	1.74	0.00	18.44	0.00
268	gLCB19(max)	I[268]	0.08	0.00	2.10	0.00	19.34	0.00
268	gLCB20(max)	I[268]	0.00	0.00	1.92	0.00	19.26	0.00
268	gLCB21(max)	I[268]	0.15	0.00	2.92	0.00	30.40	0.00
268	gLCB22(max)	I[268]	0.08	0.00	2.74	0.00	30.32	0.00
268	gLCB23(max)	I[268]	0.08	0.00	3.10	0.00	31.22	0.00
268	gLCB24(max)	I[268]	0.00	0.00	2.92	0.00	31.14	0.00
268	gLCB17(min)	I[268]	-0.58	0.00	-3.03	0.00	-0.74	0.00
268	gLCB18(min)	I[268]	-0.66	0.00	-3.21	0.00	-0.82	0.00
268	gLCB19(min)	I[268]	-0.66	0.00	-2.85	0.00	0.08	0.00
268	gLCB20(min)	I[268]	-0.73	0.00	-3.03	0.00	-0.00	0.00
268	gLCB21(min)	I[268]	-0.93	0.00	-4.82	0.00	-0.74	0.00
268	gLCB22(min)	I[268]	-1.01	0.00	-5.00	0.00	-0.82	0.00
268	gLCB23(min)	I[268]	-1.01	0.00	-4.64	0.00	0.08	0.00
268	gLCB24(min)	I[268]	-1.08	0.00	-4.82	0.00	-0.00	0.00
269	gLCB1	I[269]	-15.51	0.00	-1.24	0.00	11.93	0.00
269	gLCB2	I[269]	-15.30	0.00	-1.03	0.00	6.85	0.00
269	gLCB3	I[269]	-6.56	0.00	-1.24	0.00	23.92	0.00
269	gLCB4	I[269]	-6.36	0.00	-1.03	0.00	18.84	0.00
269	gLCB5	I[269]	-15.38	0.00	-1.12	0.00	8.94	0.00
269	gLCB6	I[269]	-15.18	0.00	-0.92	0.00	3.86	0.00
269	gLCB7	I[269]	-6.44	0.00	-1.12	0.00	20.93	0.00
269	gLCB8	I[269]	-6.23	0.00	-0.92	0.00	15.85	0.00
269	gLCB9	I[269]	-15.38	0.00	-1.12	0.00	9.01	0.00
269	gLCB10	I[269]	-15.17	0.00	-0.92	0.00	3.92	0.00
269	gLCB11	I[269]	-6.43	0.00	-1.12	0.00	20.99	0.00
269	gLCB12	I[269]	-6.23	0.00	-0.92	0.00	15.91	0.00
269	gLCB13	I[269]	-15.25	0.00	-1.00	0.00	6.02	0.00
269	gLCB14	I[269]	-15.05	0.00	-0.80	0.00	0.93	0.00
269	gLCB15	I[269]	-6.31	0.00	-1.00	0.00	18.01	0.00
269	gLCB16	I[269]	-6.10	0.00	-0.80	0.00	12.92	0.00
269	gLCB17(max)	I[269]	0.15	0.00	2.14	0.00	19.02	0.00
269	gLCB18(max)	I[269]	0.08	0.00	1.96	0.00	19.13	0.00
269	gLCB19(max)	I[269]	0.08	0.00	2.32	0.00	19.66	0.00
269	gLCB20(max)	I[269]	0.00	0.00	2.14	0.00	19.77	0.00
269	gLCB21(max)	I[269]	0.15	0.00	3.29	0.00	31.29	0.00
269	gLCB22(max)	I[269]	0.08	0.00	3.11	0.00	31.39	0.00
269	gLCB23(max)	I[269]	0.08	0.00	3.47	0.00	31.93	0.00
269	gLCB24(max)	I[269]	0.00	0.00	3.29	0.00	32.03	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
269	gLCB17(min)	I[269]	-0.58	0.00	-2.78	0.00	-0.74	0.00	
269	gLCB18(min)	I[269]	-0.66	0.00	-2.96	0.00	-0.64	0.00	
269	gLCB19(min)	I[269]	-0.66	0.00	-2.60	0.00	-0.10	0.00	
269	gLCB20(min)	I[269]	-0.73	0.00	-2.78	0.00	0.00	0.00	
269	gLCB21(min)	I[269]	-0.93	0.00	-4.43	0.00	-0.74	0.00	
269	gLCB22(min)	I[269]	-1.01	0.00	-4.60	0.00	-0.64	0.00	
269	gLCB23(min)	I[269]	-1.01	0.00	-4.25	0.00	-0.10	0.00	
269	gLCB24(min)	I[269]	-1.08	0.00	-4.43	0.00	0.00	0.00	
270	gLCB1	I[270]	-15.51	0.00	-0.41	0.00	12.76	0.00	
270	gLCB2	I[270]	-15.30	0.00	-0.35	0.00	7.54	0.00	
270	gLCB3	I[270]	-6.56	0.00	-0.41	0.00	24.75	0.00	
270	gLCB4	I[270]	-6.36	0.00	-0.35	0.00	19.53	0.00	
270	gLCB5	I[270]	-15.38	0.00	-0.37	0.00	9.69	0.00	
270	gLCB6	I[270]	-15.18	0.00	-0.31	0.00	4.47	0.00	
270	gLCB7	I[270]	-6.44	0.00	-0.37	0.00	21.68	0.00	
270	gLCB8	I[270]	-6.23	0.00	-0.31	0.00	16.46	0.00	
270	gLCB9	I[270]	-15.38	0.00	-0.37	0.00	9.75	0.00	
270	gLCB10	I[270]	-15.17	0.00	-0.31	0.00	4.53	0.00	
270	gLCB11	I[270]	-6.43	0.00	-0.37	0.00	21.74	0.00	
270	gLCB12	I[270]	-6.23	0.00	-0.31	0.00	16.52	0.00	
270	gLCB13	I[270]	-15.25	0.00	-0.33	0.00	6.69	0.00	
270	gLCB14	I[270]	-15.05	0.00	-0.27	0.00	1.47	0.00	
270	gLCB15	I[270]	-6.31	0.00	-0.33	0.00	18.68	0.00	
270	gLCB16	I[270]	-6.10	0.00	-0.27	0.00	13.46	0.00	
270	gLCB17(max)	I[270]	0.15	0.00	2.35	0.00	19.20	0.00	
270	gLCB18(max)	I[270]	0.08	0.00	2.17	0.00	19.48	0.00	
270	gLCB19(max)	I[270]	0.08	0.00	2.53	0.00	19.66	0.00	
270	gLCB20(max)	I[270]	0.00	0.00	2.35	0.00	19.94	0.00	
270	gLCB21(max)	I[270]	0.15	0.00	3.66	0.00	31.72	0.00	
270	gLCB22(max)	I[270]	0.08	0.00	3.48	0.00	32.00	0.00	
270	gLCB23(max)	I[270]	0.08	0.00	3.84	0.00	32.18	0.00	
270	gLCB24(max)	I[270]	0.00	0.00	3.66	0.00	32.46	0.00	
270	gLCB17(min)	I[270]	-0.58	0.00	-2.56	0.00	-0.74	0.00	
270	gLCB18(min)	I[270]	-0.66	0.00	-2.74	0.00	-0.46	0.00	
270	gLCB19(min)	I[270]	-0.66	0.00	-2.38	0.00	-0.28	0.00	
270	gLCB20(min)	I[270]	-0.73	0.00	-2.56	0.00	0.00	0.00	
270	gLCB21(min)	I[270]	-0.93	0.00	-4.04	0.00	-0.74	0.00	
270	gLCB22(min)	I[270]	-1.01	0.00	-4.22	0.00	-0.46	0.00	
270	gLCB23(min)	I[270]	-1.01	0.00	-3.86	0.00	-0.28	0.00	
270	gLCB24(min)	I[270]	-1.08	0.00	-4.04	0.00	0.00	0.00	
271	gLCB1	I[271]	-15.51	0.00	0.00	0.00	12.86	0.00	
271	gLCB2	I[271]	-15.30	0.00	0.00	0.00	7.62	0.00	
271	gLCB3	I[271]	-6.56	0.00	0.00	0.00	24.85	0.00	
271	gLCB4	I[271]	-6.36	0.00	0.00	0.00	19.61	0.00	
271	gLCB5	I[271]	-15.38	0.00	0.00	0.00	9.78	0.00	
271	gLCB6	I[271]	-15.18	0.00	0.00	0.00	4.55	0.00	
271	gLCB7	I[271]	-6.44	0.00	0.00	0.00	21.77	0.00	
271	gLCB8	I[271]	-6.23	0.00	0.00	0.00	16.54	0.00	
271	gLCB9	I[271]	-15.38	0.00	0.00	0.00	9.85	0.00	
271	gLCB10	I[271]	-15.17	0.00	0.00	0.00	4.61	0.00	
271	gLCB11	I[271]	-6.43	0.00	0.00	0.00	21.84	0.00	
271	gLCB12	I[271]	-6.23	0.00	0.00	0.00	16.60	0.00	
271	gLCB13	I[271]	-15.25	0.00	0.00	0.00	6.77	0.00	
271	gLCB14	I[271]	-15.05	0.00	0.00	0.00	1.53	0.00	
271	gLCB15	I[271]	-6.31	0.00	0.00	0.00	18.76	0.00	
271	gLCB16	I[271]	-6.10	0.00	0.00	0.00	13.52	0.00	


Midspan
Max. Leg
Max DL

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
271	gLCB17(max)	I[271]	0.15	0.00	2.46	0.00	19.18	0.00	Midspan Max. Leg Max EV2
271	gLCB18(max)	I[271]	0.08	0.00	2.28	0.00	19.55	0.00	
271	gLCB19(max)	I[271]	0.08	0.00	2.64	0.00	19.55	0.00	
271	gLCB20(max)	I[271]	0.00	0.00	2.46	0.00	19.93	0.00	Midspan Max. Leg Max EV3
271	gLCB21(max)	I[271]	0.15	0.00	3.85	0.00	31.76	0.00	
271	gLCB22(max)	I[271]	0.08	0.00	3.67	0.00	32.13	0.00	
271	gLCB23(max)	I[271]	0.08	0.00	4.03	0.00	32.13	0.00	
271	gLCB24(max)	I[271]	0.00	0.00	3.85	0.00	32.50	0.00	
271	gLCB17(min)	I[271]	-0.58	0.00	-2.46	0.00	-0.74	0.00	
271	gLCB18(min)	I[271]	-0.66	0.00	-2.64	0.00	-0.37	0.00	
271	gLCB19(min)	I[271]	-0.66	0.00	-2.28	0.00	-0.37	0.00	
271	gLCB20(min)	I[271]	-0.73	0.00	-2.46	0.00	0.00	0.00	
271	gLCB21(min)	I[271]	-0.93	0.00	-3.85	0.00	-0.74	0.00	
271	gLCB22(min)	I[271]	-1.01	0.00	-4.03	0.00	-0.37	0.00	
271	gLCB23(min)	I[271]	-1.01	0.00	-3.67	0.00	-0.37	0.00	
271	gLCB24(min)	I[271]	-1.08	0.00	-3.85	0.00	0.00	0.00	
272	gLCB1	I[272]	-15.51	0.00	0.41	0.00	12.76	0.00	
272	gLCB2	I[272]	-15.30	0.00	0.35	0.00	7.54	0.00	
272	gLCB3	I[272]	-6.56	0.00	0.41	0.00	24.75	0.00	
272	gLCB4	I[272]	-6.36	0.00	0.35	0.00	19.53	0.00	
272	gLCB5	I[272]	-15.38	0.00	0.37	0.00	9.69	0.00	
272	gLCB6	I[272]	-15.18	0.00	0.31	0.00	4.47	0.00	
272	gLCB7	I[272]	-6.44	0.00	0.37	0.00	21.68	0.00	
272	gLCB8	I[272]	-6.23	0.00	0.31	0.00	16.46	0.00	
272	gLCB9	I[272]	-15.38	0.00	0.37	0.00	9.75	0.00	
272	gLCB10	I[272]	-15.17	0.00	0.31	0.00	4.53	0.00	
272	gLCB11	I[272]	-6.43	0.00	0.37	0.00	21.74	0.00	
272	gLCB12	I[272]	-6.23	0.00	0.31	0.00	16.52	0.00	
272	gLCB13	I[272]	-15.25	0.00	0.33	0.00	6.69	0.00	
272	gLCB14	I[272]	-15.05	0.00	0.27	0.00	1.47	0.00	
272	gLCB15	I[272]	-6.31	0.00	0.33	0.00	18.68	0.00	
272	gLCB16	I[272]	-6.10	0.00	0.27	0.00	13.46	0.00	
272	gLCB17(max)	I[272]	0.15	0.00	2.56	0.00	19.20	0.00	
272	gLCB18(max)	I[272]	0.08	0.00	2.38	0.00	19.66	0.00	
272	gLCB19(max)	I[272]	0.08	0.00	2.74	0.00	19.48	0.00	
272	gLCB20(max)	I[272]	0.00	0.00	2.56	0.00	19.94	0.00	
272	gLCB21(max)	I[272]	0.15	0.00	4.04	0.00	31.72	0.00	
272	gLCB22(max)	I[272]	0.08	0.00	3.86	0.00	32.18	0.00	
272	gLCB23(max)	I[272]	0.08	0.00	4.22	0.00	32.00	0.00	
272	gLCB24(max)	I[272]	0.00	0.00	4.04	0.00	32.46	0.00	
272	gLCB17(min)	I[272]	-0.58	0.00	-2.35	0.00	-0.74	0.00	
272	gLCB18(min)	I[272]	-0.66	0.00	-2.53	0.00	-0.28	0.00	
272	gLCB19(min)	I[272]	-0.66	0.00	-2.17	0.00	-0.46	0.00	
272	gLCB20(min)	I[272]	-0.73	0.00	-2.35	0.00	0.00	0.00	
272	gLCB21(min)	I[272]	-0.93	0.00	-3.66	0.00	-0.74	0.00	
272	gLCB22(min)	I[272]	-1.01	0.00	-3.84	0.00	-0.28	0.00	
272	gLCB23(min)	I[272]	-1.01	0.00	-3.48	0.00	-0.46	0.00	
272	gLCB24(min)	I[272]	-1.08	0.00	-3.66	0.00	0.00	0.00	
273	gLCB1	I[273]	-15.51	0.00	1.24	0.00	11.93	0.00	
273	gLCB2	I[273]	-15.30	0.00	1.03	0.00	6.85	0.00	
273	gLCB3	I[273]	-6.56	0.00	1.24	0.00	23.92	0.00	
273	gLCB4	I[273]	-6.36	0.00	1.03	0.00	18.84	0.00	
273	gLCB5	I[273]	-15.38	0.00	1.12	0.00	8.94	0.00	
273	gLCB6	I[273]	-15.18	0.00	0.92	0.00	3.86	0.00	
273	gLCB7	I[273]	-6.44	0.00	1.12	0.00	20.93	0.00	
273	gLCB8	I[273]	-6.23	0.00	0.92	0.00	15.85	0.00	

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
273	gLCB9	I[273]	-15.38	0.00	1.12	0.00	9.01	0.00
273	gLCB10	I[273]	-15.17	0.00	0.92	0.00	3.92	0.00
273	gLCB11	I[273]	-6.43	0.00	1.12	0.00	20.99	0.00
273	gLCB12	I[273]	-6.23	0.00	0.92	0.00	15.91	0.00
273	gLCB13	I[273]	-15.25	0.00	1.00	0.00	6.02	0.00
273	gLCB14	I[273]	-15.05	0.00	0.80	0.00	0.93	0.00
273	gLCB15	I[273]	-6.31	0.00	1.00	0.00	18.01	0.00
273	gLCB16	I[273]	-6.10	0.00	0.80	0.00	12.92	0.00
273	gLCB17(max)	I[273]	0.15	0.00	2.78	0.00	19.02	0.00
273	gLCB18(max)	I[273]	0.08	0.00	2.60	0.00	19.66	0.00
273	gLCB19(max)	I[273]	0.08	0.00	2.96	0.00	19.13	0.00
273	gLCB20(max)	I[273]	0.00	0.00	2.78	0.00	19.77	0.00
273	gLCB21(max)	I[273]	0.15	0.00	4.43	0.00	31.29	0.00
273	gLCB22(max)	I[273]	0.08	0.00	4.25	0.00	31.93	0.00
273	gLCB23(max)	I[273]	0.08	0.00	4.60	0.00	31.39	0.00
273	gLCB24(max)	I[273]	0.00	0.00	4.43	0.00	32.03	0.00
273	gLCB17(min)	I[273]	-0.58	0.00	-2.14	0.00	-0.74	0.00
273	gLCB18(min)	I[273]	-0.66	0.00	-2.32	0.00	-0.10	0.00
273	gLCB19(min)	I[273]	-0.66	0.00	-1.96	0.00	-0.64	0.00
273	gLCB20(min)	I[273]	-0.73	0.00	-2.14	0.00	0.00	0.00
273	gLCB21(min)	I[273]	-0.93	0.00	-3.29	0.00	-0.74	0.00
273	gLCB22(min)	I[273]	-1.01	0.00	-3.47	0.00	-0.10	0.00
273	gLCB23(min)	I[273]	-1.01	0.00	-3.11	0.00	-0.64	0.00
273	gLCB24(min)	I[273]	-1.08	0.00	-3.29	0.00	0.00	0.00
274	gLCB1	I[274]	-15.51	0.00	2.06	0.00	10.28	0.00
274	gLCB2	I[274]	-15.30	0.00	1.72	0.00	5.47	0.00
274	gLCB3	I[274]	-6.56	0.00	2.06	0.00	22.27	0.00
274	gLCB4	I[274]	-6.36	0.00	1.72	0.00	17.46	0.00
274	gLCB5	I[274]	-15.38	0.00	1.86	0.00	7.45	0.00
274	gLCB6	I[274]	-15.18	0.00	1.52	0.00	2.64	0.00
274	gLCB7	I[274]	-6.44	0.00	1.86	0.00	19.44	0.00
274	gLCB8	I[274]	-6.23	0.00	1.52	0.00	14.63	0.00
274	gLCB9	I[274]	-15.38	0.00	1.87	0.00	7.51	0.00
274	gLCB10	I[274]	-15.17	0.00	1.53	0.00	2.70	0.00
274	gLCB11	I[274]	-6.43	0.00	1.87	0.00	19.50	0.00
274	gLCB12	I[274]	-6.23	0.00	1.53	0.00	14.69	0.00
274	gLCB13	I[274]	-15.25	0.00	1.67	0.00	4.68	0.00
274	gLCB14	I[274]	-15.05	0.00	1.33	0.00	-0.13	0.00
274	gLCB15	I[274]	-6.31	0.00	1.67	0.00	16.67	0.00
274	gLCB16	I[274]	-6.10	0.00	1.33	0.00	11.86	0.00
274	gLCB17(max)	I[274]	0.15	0.00	3.03	0.00	18.52	0.00
274	gLCB18(max)	I[274]	0.08	0.00	2.85	0.00	19.34	0.00
274	gLCB19(max)	I[274]	0.08	0.00	3.21	0.00	18.44	0.00
274	gLCB20(max)	I[274]	0.00	0.00	3.03	0.00	19.26	0.00
274	gLCB21(max)	I[274]	0.15	0.00	4.82	0.00	30.40	0.00
274	gLCB22(max)	I[274]	0.08	0.00	4.64	0.00	31.22	0.00
274	gLCB23(max)	I[274]	0.08	0.00	5.00	0.00	30.32	0.00
274	gLCB24(max)	I[274]	0.00	0.00	4.82	0.00	31.14	0.00
274	gLCB17(min)	I[274]	-0.58	0.00	-1.92	0.00	-0.74	0.00
274	gLCB18(min)	I[274]	-0.66	0.00	-2.10	0.00	0.08	0.00
274	gLCB19(min)	I[274]	-0.66	0.00	-1.74	0.00	-0.82	0.00
274	gLCB20(min)	I[274]	-0.73	0.00	-1.92	0.00	-0.00	0.00
274	gLCB21(min)	I[274]	-0.93	0.00	-2.92	0.00	-0.74	0.00
274	gLCB22(min)	I[274]	-1.01	0.00	-3.10	0.00	0.08	0.00
274	gLCB23(min)	I[274]	-1.01	0.00	-2.74	0.00	-0.82	0.00
274	gLCB24(min)	I[274]	-1.08	0.00	-2.92	0.00	-0.00	0.00

PROJECT TITLE : Brewer-I395 over MCRR


	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
275	gLCB1	I[275]	-15.51	0.00	2.88	0.00	7.81	0.00
275	gLCB2	I[275]	-15.30	0.00	2.41	0.00	3.41	0.00
275	gLCB3	I[275]	-6.56	0.00	2.88	0.00	19.80	0.00
275	gLCB4	I[275]	-6.36	0.00	2.41	0.00	15.39	0.00
275	gLCB5	I[275]	-15.38	0.00	2.60	0.00	5.22	0.00
275	gLCB6	I[275]	-15.18	0.00	2.13	0.00	0.81	0.00
275	gLCB7	I[275]	-6.44	0.00	2.60	0.00	17.21	0.00
275	gLCB8	I[275]	-6.23	0.00	2.13	0.00	12.80	0.00
275	gLCB9	I[275]	-15.38	0.00	2.61	0.00	5.27	0.00
275	gLCB10	I[275]	-15.17	0.00	2.14	0.00	0.87	0.00
275	gLCB11	I[275]	-6.43	0.00	2.61	0.00	17.26	0.00
275	gLCB12	I[275]	-6.23	0.00	2.14	0.00	12.86	0.00
275	gLCB13	I[275]	-15.25	0.00	2.33	0.00	2.68	0.00
275	gLCB14	I[275]	-15.05	0.00	1.86	0.00	-1.72	0.00
275	gLCB15	I[275]	-6.31	0.00	2.33	0.00	14.67	0.00
275	gLCB16	I[275]	-6.10	0.00	1.86	0.00	10.26	0.00
275	gLCB17(max)	I[275]	0.15	0.00	3.32	0.00	17.67	0.00
275	gLCB18(max)	I[275]	0.08	0.00	3.14	0.00	18.67	0.00
275	gLCB19(max)	I[275]	0.08	0.00	3.50	0.00	17.41	0.00
275	gLCB20(max)	I[275]	0.00	0.00	3.32	0.00	18.41	0.00
275	gLCB21(max)	I[275]	0.15	0.00	5.21	0.00	29.05	0.00
275	gLCB22(max)	I[275]	0.08	0.00	5.03	0.00	30.05	0.00
275	gLCB23(max)	I[275]	0.08	0.00	5.39	0.00	28.79	0.00
275	gLCB24(max)	I[275]	0.00	0.00	5.21	0.00	29.79	0.00
275	gLCB17(min)	I[275]	-0.58	0.00	-1.71	0.00	-0.85	0.00
275	gLCB18(min)	I[275]	-0.66	0.00	-1.89	0.00	0.15	0.00
275	gLCB19(min)	I[275]	-0.66	0.00	-1.53	0.00	-1.10	0.00
275	gLCB20(min)	I[275]	-0.73	0.00	-1.71	0.00	-0.11	0.00
275	gLCB21(min)	I[275]	-0.93	0.00	-2.55	0.00	-0.84	0.00
275	gLCB22(min)	I[275]	-1.01	0.00	-2.73	0.00	0.15	0.00
275	gLCB23(min)	I[275]	-1.01	0.00	-2.37	0.00	-1.10	0.00
275	gLCB24(min)	I[275]	-1.08	0.00	-2.55	0.00	-0.10	0.00
276	gLCB1	I[276]	-15.51	0.00	3.70	0.00	4.52	0.00
276	gLCB2	I[276]	-15.30	0.00	3.09	0.00	0.66	0.00
276	gLCB3	I[276]	-6.56	0.00	3.70	0.00	16.51	0.00
276	gLCB4	I[276]	-6.36	0.00	3.09	0.00	12.65	0.00
276	gLCB5	I[276]	-15.38	0.00	3.34	0.00	2.24	0.00
276	gLCB6	I[276]	-15.18	0.00	2.73	0.00	-1.62	0.00
276	gLCB7	I[276]	-6.44	0.00	3.34	0.00	14.23	0.00
276	gLCB8	I[276]	-6.23	0.00	2.73	0.00	10.37	0.00
276	gLCB9	I[276]	-15.38	0.00	3.35	0.00	2.29	0.00
276	gLCB10	I[276]	-15.17	0.00	2.74	0.00	-1.57	0.00
276	gLCB11	I[276]	-6.43	0.00	3.35	0.00	14.28	0.00
276	gLCB12	I[276]	-6.23	0.00	2.74	0.00	10.42	0.00
276	gLCB13	I[276]	-15.25	0.00	3.00	0.00	0.01	0.00
276	gLCB14	I[276]	-15.05	0.00	2.39	0.00	-3.85	0.00
276	gLCB15	I[276]	-6.31	0.00	3.00	0.00	12.00	0.00
276	gLCB16	I[276]	-6.10	0.00	2.39	0.00	8.14	0.00
276	gLCB17(max)	I[276]	0.15	0.00	3.64	0.00	16.65	0.00
276	gLCB18(max)	I[276]	0.08	0.00	3.46	0.00	17.83	0.00
276	gLCB19(max)	I[276]	0.08	0.00	3.82	0.00	16.21	0.00
276	gLCB20(max)	I[276]	0.00	0.00	3.64	0.00	17.39	0.00
276	gLCB21(max)	I[276]	0.15	0.00	5.61	0.00	27.24	0.00
276	gLCB22(max)	I[276]	0.08	0.00	5.43	0.00	28.42	0.00
276	gLCB23(max)	I[276]	0.08	0.00	5.78	0.00	26.81	0.00
276	gLCB24(max)	I[276]	0.00	0.00	5.61	0.00	27.99	0.00

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
276	gLCB17(min)	I[276]	-0.58	0.00	-1.50	0.00	-1.28	0.00
276	gLCB18(min)	I[276]	-0.66	0.00	-1.68	0.00	-0.10	0.00
276	gLCB19(min)	I[276]	-0.66	0.00	-1.32	0.00	-1.72	0.00
276	gLCB20(min)	I[276]	-0.73	0.00	-1.50	0.00	-0.54	0.00
276	gLCB21(min)	I[276]	-0.93	0.00	-2.18	0.00	-1.33	0.00
276	gLCB22(min)	I[276]	-1.01	0.00	-2.36	0.00	-0.15	0.00
276	gLCB23(min)	I[276]	-1.01	0.00	-2.00	0.00	-1.76	0.00
276	gLCB24(min)	I[276]	-1.08	0.00	-2.18	0.00	-0.59	0.00
277	gLCB1	I[277]	-15.51	0.00	4.52	0.00	0.41	0.00
277	gLCB2	I[277]	-15.30	0.00	3.77	0.00	-2.77	0.00
277	gLCB3	I[277]	-6.56	0.00	4.52	0.00	12.40	0.00
277	gLCB4	I[277]	-6.36	0.00	3.77	0.00	9.22	0.00
277	gLCB5	I[277]	-15.38	0.00	4.08	0.00	-1.47	0.00
277	gLCB6	I[277]	-15.18	0.00	3.33	0.00	-4.65	0.00
277	gLCB7	I[277]	-6.44	0.00	4.08	0.00	10.52	0.00
277	gLCB8	I[277]	-6.23	0.00	3.33	0.00	7.34	0.00
277	gLCB9	I[277]	-15.38	0.00	4.09	0.00	-1.43	0.00
277	gLCB10	I[277]	-15.17	0.00	3.35	0.00	-4.62	0.00
277	gLCB11	I[277]	-6.43	0.00	4.09	0.00	10.55	0.00
277	gLCB12	I[277]	-6.23	0.00	3.35	0.00	7.37	0.00
277	gLCB13	I[277]	-15.25	0.00	3.66	0.00	-3.31	0.00
277	gLCB14	I[277]	-15.05	0.00	2.91	0.00	-6.50	0.00
277	gLCB15	I[277]	-6.31	0.00	3.66	0.00	8.67	0.00
277	gLCB16	I[277]	-6.10	0.00	2.91	0.00	5.49	0.00
277	gLCB17(max)	I[277]	0.15	0.00	4.00	0.00	15.42	0.00
277	gLCB18(max)	I[277]	0.08	0.00	3.82	0.00	16.77	0.00
277	gLCB19(max)	I[277]	0.08	0.00	4.18	0.00	14.80	0.00
277	gLCB20(max)	I[277]	0.00	0.00	4.00	0.00	16.16	0.00
277	gLCB21(max)	I[277]	0.15	0.00	6.01	0.00	24.98	0.00
277	gLCB22(max)	I[277]	0.08	0.00	5.83	0.00	26.34	0.00
277	gLCB23(max)	I[277]	0.08	0.00	6.19	0.00	24.36	0.00
277	gLCB24(max)	I[277]	0.00	0.00	6.01	0.00	25.72	0.00
277	gLCB17(min)	I[277]	-0.58	0.00	-1.29	0.00	-1.99	0.00
277	gLCB18(min)	I[277]	-0.66	0.00	-1.47	0.00	-0.63	0.00
277	gLCB19(min)	I[277]	-0.66	0.00	-1.11	0.00	-2.60	0.00
277	gLCB20(min)	I[277]	-0.73	0.00	-1.29	0.00	-1.24	0.00
277	gLCB21(min)	I[277]	-0.93	0.00	-1.81	0.00	-2.47	0.00
277	gLCB22(min)	I[277]	-1.01	0.00	-1.99	0.00	-1.11	0.00
277	gLCB23(min)	I[277]	-1.01	0.00	-1.63	0.00	-3.09	0.00
277	gLCB24(min)	I[277]	-1.08	0.00	-1.81	0.00	-1.73	0.00
278	gLCB1	I[278]	-15.51	0.00	5.33	0.00	-4.51	0.00
278	gLCB2	I[278]	-15.30	0.00	4.45	0.00	-6.88	0.00
278	gLCB3	I[278]	-6.56	0.00	5.33	0.00	7.48	0.00
278	gLCB4	I[278]	-6.36	0.00	4.45	0.00	5.11	0.00
278	gLCB5	I[278]	-15.38	0.00	4.82	0.00	-5.92	0.00
278	gLCB6	I[278]	-15.18	0.00	3.93	0.00	-8.28	0.00
278	gLCB7	I[278]	-6.44	0.00	4.82	0.00	6.07	0.00
278	gLCB8	I[278]	-6.23	0.00	3.93	0.00	3.70	0.00
278	gLCB9	I[278]	-15.38	0.00	4.83	0.00	-5.90	0.00
278	gLCB10	I[278]	-15.17	0.00	3.95	0.00	-8.26	0.00
278	gLCB11	I[278]	-6.43	0.00	4.83	0.00	6.09	0.00
278	gLCB12	I[278]	-6.23	0.00	3.95	0.00	3.72	0.00
278	gLCB13	I[278]	-15.25	0.00	4.32	0.00	-7.30	0.00
278	gLCB14	I[278]	-15.05	0.00	3.44	0.00	-9.67	0.00
278	gLCB15	I[278]	-6.31	0.00	4.32	0.00	4.68	0.00
278	gLCB16	I[278]	-6.10	0.00	3.44	0.00	2.32	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
278	gLCB17(max)	I[278]	0.15	0.00	4.37	0.00	13.94	0.00
278	gLCB18(max)	I[278]	0.08	0.00	4.19	0.00	15.48	0.00
278	gLCB19(max)	I[278]	0.08	0.00	4.55	0.00	13.14	0.00
278	gLCB20(max)	I[278]	0.00	0.00	4.37	0.00	14.68	0.00
278	gLCB21(max)	I[278]	0.15	0.00	6.46	0.00	22.26	0.00
278	gLCB22(max)	I[278]	0.08	0.00	6.28	0.00	23.80	0.00
278	gLCB23(max)	I[278]	0.08	0.00	6.64	0.00	21.46	0.00
278	gLCB24(max)	I[278]	0.00	0.00	6.46	0.00	23.00	0.00
278	gLCB17(min)	I[278]	-0.58	0.00	-1.08	0.00	-2.95	0.00
278	gLCB18(min)	I[278]	-0.66	0.00	-1.26	0.00	-1.41	0.00
278	gLCB19(min)	I[278]	-0.66	0.00	-0.90	0.00	-3.74	0.00
278	gLCB20(min)	I[278]	-0.73	0.00	-1.08	0.00	-2.21	0.00
278	gLCB21(min)	I[278]	-0.93	0.00	-1.44	0.00	-4.25	0.00
278	gLCB22(min)	I[278]	-1.01	0.00	-1.61	0.00	-2.71	0.00
278	gLCB23(min)	I[278]	-1.01	0.00	-1.26	0.00	-5.04	0.00
278	gLCB24(min)	I[278]	-1.08	0.00	-1.44	0.00	-3.51	0.00
279	gLCB1	I[279]	-15.51	0.00	6.14	0.00	-10.25	0.00
279	gLCB2	I[279]	-15.30	0.00	5.12	0.00	-11.66	0.00
279	gLCB3	I[279]	-6.56	0.00	6.14	0.00	1.74	0.00
279	gLCB4	I[279]	-6.36	0.00	5.12	0.00	0.33	0.00
279	gLCB5	I[279]	-15.38	0.00	5.55	0.00	-11.10	0.00
279	gLCB6	I[279]	-15.18	0.00	4.53	0.00	-12.52	0.00
279	gLCB7	I[279]	-6.44	0.00	5.55	0.00	0.89	0.00
279	gLCB8	I[279]	-6.23	0.00	4.53	0.00	-0.53	0.00
279	gLCB9	I[279]	-15.38	0.00	5.57	0.00	-11.10	0.00
279	gLCB10	I[279]	-15.17	0.00	4.55	0.00	-12.51	0.00
279	gLCB11	I[279]	-6.43	0.00	5.57	0.00	0.89	0.00
279	gLCB12	I[279]	-6.23	0.00	4.55	0.00	-0.53	0.00
279	gLCB13	I[279]	-15.25	0.00	4.98	0.00	-11.95	0.00
279	gLCB14	I[279]	-15.05	0.00	3.96	0.00	-13.37	0.00
279	gLCB15	I[279]	-6.31	0.00	4.98	0.00	0.04	0.00
279	gLCB16	I[279]	-6.10	0.00	3.96	0.00	-1.38	0.00
279	gLCB17(max)	I[279]	0.15	0.00	4.73	0.00	12.21	0.00
279	gLCB18(max)	I[279]	0.08	0.00	4.55	0.00	13.93	0.00
279	gLCB19(max)	I[279]	0.08	0.00	4.91	0.00	11.24	0.00
279	gLCB20(max)	I[279]	0.00	0.00	4.73	0.00	12.95	0.00
279	gLCB21(max)	I[279]	0.15	0.00	6.94	0.00	19.08	0.00
279	gLCB22(max)	I[279]	0.08	0.00	6.76	0.00	20.79	0.00
279	gLCB23(max)	I[279]	0.08	0.00	7.12	0.00	18.10	0.00
279	gLCB24(max)	I[279]	0.00	0.00	6.94	0.00	19.82	0.00
279	gLCB17(min)	I[279]	-0.58	0.00	-0.88	0.00	-4.16	0.00
279	gLCB18(min)	I[279]	-0.66	0.00	-1.06	0.00	-2.44	0.00
279	gLCB19(min)	I[279]	-0.66	0.00	-0.70	0.00	-5.14	0.00
279	gLCB20(min)	I[279]	-0.73	0.00	-0.88	0.00	-3.42	0.00
279	gLCB21(min)	I[279]	-0.93	0.00	-1.08	0.00	-6.49	0.00
279	gLCB22(min)	I[279]	-1.01	0.00	-1.26	0.00	-4.78	0.00
279	gLCB23(min)	I[279]	-1.01	0.00	-0.90	0.00	-7.47	0.00
279	gLCB24(min)	I[279]	-1.08	0.00	-1.08	0.00	-5.75	0.00
280	gLCB1	I[280]	-15.51	0.00	6.95	0.00	-16.79	0.00
280	gLCB2	I[280]	-15.30	0.00	5.80	0.00	-17.12	0.00
280	gLCB3	I[280]	-6.56	0.00	6.95	0.00	-4.81	0.00
280	gLCB4	I[280]	-6.36	0.00	5.80	0.00	-5.13	0.00
280	gLCB5	I[280]	-15.38	0.00	6.28	0.00	-17.01	0.00
280	gLCB6	I[280]	-15.18	0.00	5.12	0.00	-17.34	0.00
280	gLCB7	I[280]	-6.44	0.00	6.28	0.00	-5.03	0.00
280	gLCB8	I[280]	-6.23	0.00	5.12	0.00	-5.35	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb


Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
280	gLCB9	I[280]	-15.38	0.00	6.31	0.00	-17.04	0.00
280	gLCB10	I[280]	-15.17	0.00	5.15	0.00	-17.37	0.00
280	gLCB11	I[280]	-6.43	0.00	6.31	0.00	-5.05	0.00
280	gLCB12	I[280]	-6.23	0.00	5.15	0.00	-5.38	0.00
280	gLCB13	I[280]	-15.25	0.00	5.64	0.00	-17.26	0.00
280	gLCB14	I[280]	-15.05	0.00	4.48	0.00	-17.59	0.00
280	gLCB15	I[280]	-6.31	0.00	5.64	0.00	-5.27	0.00
280	gLCB16	I[280]	-6.10	0.00	4.48	0.00	-5.60	0.00
280	gLCB17(max)	I[280]	0.15	0.00	5.10	0.00	10.24	0.00
280	gLCB18(max)	I[280]	0.08	0.00	4.92	0.00	12.13	0.00
280	gLCB19(max)	I[280]	0.08	0.00	5.28	0.00	9.08	0.00
280	gLCB20(max)	I[280]	0.00	0.00	5.10	0.00	10.98	0.00
280	gLCB21(max)	I[280]	0.15	0.00	7.47	0.00	15.44	0.00
280	gLCB22(max)	I[280]	0.08	0.00	7.29	0.00	17.33	0.00
280	gLCB23(max)	I[280]	0.08	0.00	7.65	0.00	14.28	0.00
280	gLCB24(max)	I[280]	0.00	0.00	7.47	0.00	16.18	0.00
280	gLCB17(min)	I[280]	-0.58	0.00	-0.68	0.00	-5.63	0.00
280	gLCB18(min)	I[280]	-0.66	0.00	-0.86	0.00	-3.74	0.00
280	gLCB19(min)	I[280]	-0.66	0.00	-0.50	0.00	-6.79	0.00
280	gLCB20(min)	I[280]	-0.73	0.00	-0.68	0.00	-4.89	0.00
280	gLCB21(min)	I[280]	-0.93	0.00	-0.77	0.00	-9.21	0.00
280	gLCB22(min)	I[280]	-1.01	0.00	-0.94	0.00	-7.32	0.00
280	gLCB23(min)	I[280]	-1.01	0.00	-0.59	0.00	-10.37	0.00
280	gLCB24(min)	I[280]	-1.08	0.00	-0.77	0.00	-8.47	0.00
281	gLCB1	I[281]	-15.51	0.00	7.76	0.00	-24.15	0.00
281	gLCB2	I[281]	-15.30	0.00	6.47	0.00	-23.25	0.00
281	gLCB3	I[281]	-6.56	0.00	7.76	0.00	-12.16	0.00
281	gLCB4	I[281]	-6.36	0.00	6.47	0.00	-11.26	0.00
281	gLCB5	I[281]	-15.38	0.00	7.01	0.00	-23.66	0.00
281	gLCB6	I[281]	-15.18	0.00	5.72	0.00	-22.76	0.00
281	gLCB7	I[281]	-6.44	0.00	7.01	0.00	-11.67	0.00
281	gLCB8	I[281]	-6.23	0.00	5.72	0.00	-10.77	0.00
281	gLCB9	I[281]	-15.38	0.00	7.04	0.00	-23.71	0.00
281	gLCB10	I[281]	-15.17	0.00	5.75	0.00	-22.82	0.00
281	gLCB11	I[281]	-6.43	0.00	7.04	0.00	-11.73	0.00
281	gLCB12	I[281]	-6.23	0.00	5.75	0.00	-10.83	0.00
281	gLCB13	I[281]	-15.25	0.00	6.29	0.00	-23.22	0.00
281	gLCB14	I[281]	-15.05	0.00	5.00	0.00	-22.33	0.00
281	gLCB15	I[281]	-6.31	0.00	6.29	0.00	-11.23	0.00
281	gLCB16	I[281]	-6.10	0.00	5.00	0.00	-10.34	0.00
281	gLCB17(max)	I[281]	0.15	0.00	5.46	0.00	8.02	0.00
281	gLCB18(max)	I[281]	0.08	0.00	5.28	0.00	10.09	0.00
281	gLCB19(max)	I[281]	0.08	0.00	5.64	0.00	6.68	0.00
281	gLCB20(max)	I[281]	0.00	0.00	5.46	0.00	8.76	0.00
281	gLCB21(max)	I[281]	0.15	0.00	8.01	0.00	11.34	0.00
281	gLCB22(max)	I[281]	0.08	0.00	7.83	0.00	13.42	0.00
281	gLCB23(max)	I[281]	0.08	0.00	8.19	0.00	10.01	0.00
281	gLCB24(max)	I[281]	0.00	0.00	8.01	0.00	12.08	0.00
281	gLCB17(min)	I[281]	-0.58	0.00	-0.48	0.00	-7.35	0.00
281	gLCB18(min)	I[281]	-0.66	0.00	-0.66	0.00	-5.28	0.00
281	gLCB19(min)	I[281]	-0.66	0.00	-0.30	0.00	-8.69	0.00
281	gLCB20(min)	I[281]	-0.73	0.00	-0.48	0.00	-6.61	0.00
281	gLCB21(min)	I[281]	-0.93	0.00	-0.51	0.00	-12.40	0.00
281	gLCB22(min)	I[281]	-1.01	0.00	-0.69	0.00	-10.33	0.00
281	gLCB23(min)	I[281]	-1.01	0.00	-0.33	0.00	-13.74	0.00
281	gLCB24(min)	I[281]	-1.08	0.00	-0.51	0.00	-11.66	0.00

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)
282	gLCB1	I[282]	-15.51	0.00	8.56	0.00	-32.31	0.00
282	gLCB2	I[282]	-15.30	0.00	7.14	0.00	-30.06	0.00
282	gLCB3	I[282]	-6.56	0.00	8.56	0.00	-20.32	0.00
282	gLCB4	I[282]	-6.36	0.00	7.14	0.00	-18.07	0.00
282	gLCB5	I[282]	-15.38	0.00	7.73	0.00	-31.03	0.00
282	gLCB6	I[282]	-15.18	0.00	6.31	0.00	-28.77	0.00
282	gLCB7	I[282]	-6.44	0.00	7.73	0.00	-19.04	0.00
282	gLCB8	I[282]	-6.23	0.00	6.31	0.00	-16.78	0.00
282	gLCB9	I[282]	-15.38	0.00	7.77	0.00	-31.12	0.00
282	gLCB10	I[282]	-15.17	0.00	6.35	0.00	-28.87	0.00
282	gLCB11	I[282]	-6.43	0.00	7.77	0.00	-19.13	0.00
282	gLCB12	I[282]	-6.23	0.00	6.35	0.00	-16.88	0.00
282	gLCB13	I[282]	-15.25	0.00	6.94	0.00	-29.84	0.00
282	gLCB14	I[282]	-15.05	0.00	5.52	0.00	-27.59	0.00
282	gLCB15	I[282]	-6.31	0.00	6.94	0.00	-17.85	0.00
282	gLCB16	I[282]	-6.10	0.00	5.52	0.00	-15.60	0.00
282	gLCB17(max)	I[282]	0.15	0.00	5.83	0.00	5.55	0.00
282	gLCB18(max)	I[282]	0.08	0.00	5.65	0.00	7.80	0.00
282	gLCB19(max)	I[282]	0.08	0.00	6.01	0.00	4.04	0.00
282	gLCB20(max)	I[282]	0.00	0.00	5.83	0.00	6.29	0.00
282	gLCB21(max)	I[282]	0.15	0.00	8.56	0.00	6.88	0.00
282	gLCB22(max)	I[282]	0.08	0.00	8.38	0.00	9.13	0.00
282	gLCB23(max)	I[282]	0.08	0.00	8.74	0.00	5.36	0.00
282	gLCB24(max)	I[282]	0.00	0.00	8.56	0.00	7.62	0.00
282	gLCB17(min)	I[282]	-0.58	0.00	-0.28	0.00	-9.33	0.00
282	gLCB18(min)	I[282]	-0.66	0.00	-0.46	0.00	-7.08	0.00
282	gLCB19(min)	I[282]	-0.66	0.00	-0.10	0.00	-10.85	0.00
282	gLCB20(min)	I[282]	-0.73	0.00	-0.28	0.00	-8.59	0.00
282	gLCB21(min)	I[282]	-0.93	0.00	-0.31	0.00	-16.07	0.00
282	gLCB22(min)	I[282]	-1.01	0.00	-0.49	0.00	-13.81	0.00
282	gLCB23(min)	I[282]	-1.01	0.00	-0.13	0.00	-17.58	0.00
282	gLCB24(min)	I[282]	-1.08	0.00	-0.31	0.00	-15.32	0.00
283	gLCB1	I[283]	-15.51	0.00	9.37	0.00	-41.27	0.00
283	gLCB2	I[283]	-15.30	0.00	7.80	0.00	-37.52	0.00
283	gLCB3	I[283]	-6.56	0.00	9.37	0.00	-29.29	0.00
283	gLCB4	I[283]	-6.36	0.00	7.80	0.00	-25.54	0.00
283	gLCB5	I[283]	-15.38	0.00	8.46	0.00	-39.12	0.00
283	gLCB6	I[283]	-15.18	0.00	6.89	0.00	-35.37	0.00
283	gLCB7	I[283]	-6.44	0.00	8.46	0.00	-27.13	0.00
283	gLCB8	I[283]	-6.23	0.00	6.89	0.00	-23.39	0.00
283	gLCB9	I[283]	-15.38	0.00	8.51	0.00	-39.26	0.00
283	gLCB10	I[283]	-15.17	0.00	6.94	0.00	-35.51	0.00
283	gLCB11	I[283]	-6.43	0.00	8.51	0.00	-27.27	0.00
283	gLCB12	I[283]	-6.23	0.00	6.94	0.00	-23.52	0.00
283	gLCB13	I[283]	-15.25	0.00	7.60	0.00	-37.11	0.00
283	gLCB14	I[283]	-15.05	0.00	6.03	0.00	-33.36	0.00
283	gLCB15	I[283]	-6.31	0.00	7.60	0.00	-25.12	0.00
283	gLCB16	I[283]	-6.10	0.00	6.03	0.00	-21.37	0.00
283	gLCB17(max)	I[283]	0.15	0.00	6.19	0.00	2.83	0.00
283	gLCB18(max)	I[283]	0.08	0.00	6.01	0.00	5.27	0.00
283	gLCB19(max)	I[283]	0.08	0.00	6.37	0.00	1.14	0.00
283	gLCB20(max)	I[283]	0.00	0.00	6.19	0.00	3.57	0.00
283	gLCB21(max)	I[283]	0.15	0.00	9.10	0.00	2.92	0.00
283	gLCB22(max)	I[283]	0.08	0.00	8.92	0.00	5.36	0.00
283	gLCB23(max)	I[283]	0.08	0.00	9.28	0.00	1.23	0.00
283	gLCB24(max)	I[283]	0.00	0.00	9.10	0.00	3.67	0.00


PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
283	gLCB17(min)	I[283]	-0.58	0.00	-0.13	0.00	-11.57	0.00	
283	gLCB18(min)	I[283]	-0.66	0.00	-0.31	0.00	-9.13	0.00	
283	gLCB19(min)	I[283]	-0.66	0.00	0.05	0.00	-13.26	0.00	
283	gLCB20(min)	I[283]	-0.73	0.00	-0.13	0.00	-10.83	0.00	
283	gLCB21(min)	I[283]	-0.93	0.00	-0.15	0.00	-20.20	0.00	
283	gLCB22(min)	I[283]	-1.01	0.00	-0.33	0.00	-17.76	0.00	
283	gLCB23(min)	I[283]	-1.01	0.00	0.03	0.00	-21.89	0.00	
283	gLCB24(min)	I[283]	-1.08	0.00	-0.15	0.00	-19.46	0.00	
284	gLCB1	I[284]	-15.51	0.00	10.17	0.00	-51.04	0.00	
284	gLCB2	I[284]	-15.30	0.00	8.47	0.00	-45.66	0.00	
284	gLCB3	I[284]	-6.56	0.00	10.17	0.00	-39.05	0.00	
284	gLCB4	I[284]	-6.36	0.00	8.47	0.00	-33.67	0.00	
284	gLCB5	I[284]	-15.38	0.00	9.18	0.00	-47.94	0.00	
284	gLCB6	I[284]	-15.18	0.00	7.48	0.00	-42.56	0.00	
284	gLCB7	I[284]	-6.44	0.00	9.18	0.00	-35.95	0.00	
284	gLCB8	I[284]	-6.23	0.00	7.48	0.00	-30.57	0.00	
284	gLCB9	I[284]	-15.38	0.00	9.23	0.00	-48.13	0.00	
284	gLCB10	I[284]	-15.17	0.00	7.54	0.00	-42.75	0.00	
284	gLCB11	I[284]	-6.43	0.00	9.23	0.00	-36.14	0.00	
284	gLCB12	I[284]	-6.23	0.00	7.54	0.00	-30.76	0.00	
284	gLCB13	I[284]	-15.25	0.00	8.25	0.00	-45.03	0.00	
284	gLCB14	I[284]	-15.05	0.00	6.55	0.00	-39.65	0.00	
284	gLCB15	I[284]	-6.31	0.00	8.25	0.00	-33.04	0.00	
284	gLCB16	I[284]	-6.10	0.00	6.55	0.00	-27.66	0.00	
284	gLCB17(max)	I[284]	0.15	0.00	6.55	0.00	0.26	0.00	
284	gLCB18(max)	I[284]	0.08	0.00	6.38	0.00	2.88	0.00	
284	gLCB19(max)	I[284]	0.08	0.00	6.73	0.00	-1.61	0.00	
284	gLCB20(max)	I[284]	0.00	0.00	6.55	0.00	1.00	0.00	
284	gLCB21(max)	I[284]	0.15	0.00	9.65	0.00	0.29	0.00	
284	gLCB22(max)	I[284]	0.08	0.00	9.47	0.00	2.90	0.00	
284	gLCB23(max)	I[284]	0.08	0.00	9.83	0.00	-1.58	0.00	
284	gLCB24(max)	I[284]	0.00	0.00	9.65	0.00	1.03	0.00	
284	gLCB17(min)	I[284]	-0.58	0.00	-0.04	0.00	-15.72	0.00	
284	gLCB18(min)	I[284]	-0.66	0.00	-0.22	0.00	-13.11	0.00	
284	gLCB19(min)	I[284]	-0.66	0.00	0.14	0.00	-17.60	0.00	
284	gLCB20(min)	I[284]	-0.73	0.00	-0.04	0.00	-14.98	0.00	
284	gLCB21(min)	I[284]	-0.93	0.00	-0.05	0.00	-24.80	0.00	
284	gLCB22(min)	I[284]	-1.01	0.00	-0.23	0.00	-22.19	0.00	
284	gLCB23(min)	I[284]	-1.01	0.00	0.13	0.00	-26.67	0.00	
284	gLCB24(min)	I[284]	-1.08	0.00	-0.05	0.00	-24.06	0.00	


Top Slab
Max. Leg.
Max EV3
Pu

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
49	gLCB1	2/4	-13.57	0.00	-12.83	0.00	23.04	0.00	Wall Min. Soil Max DL
49	gLCB2	2/4	-11.78	0.00	-12.73	0.00	20.46	0.00	
49	gLCB3	2/4	-13.57	0.00	-5.40	0.00	24.40	0.00	
49	gLCB4	2/4	-11.78	0.00	-5.30	0.00	21.82	0.00	
49	gLCB5	2/4	-11.89	0.00	-12.70	0.00	19.86	0.00	
49	gLCB6	2/4	-10.10	0.00	-12.60	0.00	17.28	0.00	
49	gLCB7	2/4	-11.89	0.00	-5.27	0.00	21.21	0.00	
49	gLCB8	2/4	-10.10	0.00	-5.17	0.00	18.63	0.00	
49	gLCB9	2/4	-12.11	0.00	-12.70	0.00	19.73	0.00	
49	gLCB10	2/4	-10.32	0.00	-12.59	0.00	17.15	0.00	
49	gLCB11	2/4	-12.11	0.00	-5.27	0.00	21.08	0.00	Wall Min. Soil Max EV2
49	gLCB12	2/4	-10.32	0.00	-5.16	0.00	18.50	0.00	
49	gLCB13	2/4	-10.43	0.00	-12.57	0.00	16.54	0.00	
49	gLCB14	2/4	-8.64	0.00	-12.46	0.00	13.96	0.00	
49	gLCB15	2/4	-10.43	0.00	-5.14	0.00	17.90	0.00	
49	gLCB16	2/4	-8.64	0.00	-5.03	0.00	15.32	0.00	
49	gLCB17(max)	2/4	-3.88	0.00	0.16	0.00	18.40	0.00	
49	gLCB17(min)	2/4	-12.38	0.00	-0.75	0.00	-3.89	0.00	
49	gLCB18(max)	2/4	-4.06	0.00	0.08	0.00	20.34	0.00	
49	gLCB18(min)	2/4	-12.56	0.00	-0.83	0.00	-1.94	0.00	
49	gLCB19(max)	2/4	0.18	0.00	0.08	0.00	20.34	0.00	Wall Min. Soil Max EV3
49	gLCB19(min)	2/4	-8.33	0.00	-0.83	0.00	-1.94	0.00	
49	gLCB20(max)	2/4	0.00	0.00	0.00	0.00	22.29	0.00	
49	gLCB20(min)	2/4	-8.51	0.00	-0.91	0.00	0.00	0.00	
49	gLCB21(max)	2/4	-3.88	0.00	0.16	0.00	29.29	0.00	
49	gLCB21(min)	2/4	-16.38	0.00	-1.20	0.00	-3.89	0.00	
49	gLCB22(max)	2/4	-4.06	0.00	0.08	0.00	31.23	0.00	
49	gLCB22(min)	2/4	-16.56	0.00	-1.27	0.00	-1.94	0.00	
49	gLCB23(max)	2/4	0.18	0.00	0.08	0.00	31.23	0.00	
49	gLCB23(min)	2/4	-12.33	0.00	-1.27	0.00	-1.94	0.00	
49	gLCB24(max)	2/4	0.00	0.00	0.00	0.00	33.18	0.00	Wall Max. Soil Max DL
49	gLCB24(min)	2/4	-12.51	0.00	-1.35	0.00	0.00	0.00	
149	gLCB1	2/4	-28.62	0.00	-17.96	0.00	42.72	0.00	
149	gLCB2	2/4	-21.91	0.00	-17.47	0.00	30.83	0.00	
149	gLCB3	2/4	-28.62	0.00	-8.02	0.00	49.34	0.00	
149	gLCB4	2/4	-21.91	0.00	-7.53	0.00	37.46	0.00	
149	gLCB5	2/4	-26.94	0.00	-17.83	0.00	39.59	0.00	
149	gLCB6	2/4	-20.23	0.00	-17.34	0.00	27.71	0.00	
149	gLCB7	2/4	-26.94	0.00	-7.89	0.00	46.22	0.00	
149	gLCB8	2/4	-20.23	0.00	-7.41	0.00	34.34	0.00	
149	gLCB9	2/4	-27.08	0.00	-17.82	0.00	39.34	0.00	Wall Max. Soil Max EV2
149	gLCB10	2/4	-20.37	0.00	-17.33	0.00	27.45	0.00	
149	gLCB11	2/4	-27.08	0.00	-7.88	0.00	45.96	0.00	
149	gLCB12	2/4	-20.37	0.00	-7.40	0.00	34.08	0.00	
149	gLCB13	2/4	-25.39	0.00	-17.69	0.00	36.21	0.00	
149	gLCB14	2/4	-18.68	0.00	-17.21	0.00	24.33	0.00	
149	gLCB15	2/4	-25.39	0.00	-7.75	0.00	42.84	0.00	
149	gLCB16	2/4	-18.68	0.00	-7.27	0.00	30.96	0.00	
149	gLCB17(max)	2/4	-3.88	0.00	0.16	0.00	9.23	0.00	
149	gLCB17(min)	2/4	-8.47	0.00	-0.38	0.00	-3.81	0.00	
149	gLCB18(max)	2/4	-4.06	0.00	0.08	0.00	11.13	0.00	Wall Max. Soil Max EV2
149	gLCB18(min)	2/4	-8.65	0.00	-0.45	0.00	-1.91	0.00	
149	gLCB19(max)	2/4	0.18	0.00	0.08	0.00	11.13	0.00	
149	gLCB19(min)	2/4	-4.42	0.00	-0.45	0.00	-1.91	0.00	
149	gLCB20(max)	2/4	0.00	0.00	0.00	0.00	13.04	0.00	Wall Max. Soil Max EV2
149	gLCB20(min)	2/4	-4.60	0.00	-0.53	0.00	0.00	0.00	

PROJECT TITLE : Brewer-I395 over MCRR

	Company	Hoyle, Tanner and Associates, Inc.	Client	MaineDOT
	Author	KMH	File	Brewer-I395 over MCRR.mcb

Elem	Load	Part	Axial (kips)	Shear-y (kips)	Shear-z (kips)	Torsion (ft*kips)	Moment-y (ft*kips)	Moment-z (ft*kips)	
149	gLCB21(max)	2/4	-3.88	0.00	0.16	0.00	15.27	0.00	
149	gLCB21(min)	2/4	-10.63	0.00	-0.62	0.00	-3.81	0.00	
149	gLCB22(max)	2/4	-4.06	0.00	0.08	0.00	17.18	0.00	
149	gLCB22(min)	2/4	-10.81	0.00	-0.70	0.00	-1.91	0.00	
149	gLCB23(max)	2/4	0.18	0.00	0.08	0.00	17.18	0.00	
149	gLCB23(min)	2/4	-6.58	0.00	-0.70	0.00	-1.91	0.00	
149	gLCB24(max)	2/4	0.00	0.00	0.00	0.00	19.09	0.00	
149	gLCB24(min)	2/4	-6.76	0.00	-0.78	0.00	0.00	0.00	Wall
251	gLCB1	2/4	-17.63	0.00	-15.03	0.00	32.94	0.00	Max. Soil
251	gLCB2	2/4	-14.47	0.00	-14.83	0.00	27.73	0.00	Max EV3
251	gLCB3	2/4	-17.63	0.00	-6.38	0.00	33.04	0.00	Wall
251	gLCB4	2/4	-14.47	0.00	-6.18	0.00	27.83	0.00	Max. Leg
251	gLCB5	2/4	-15.95	0.00	-14.90	0.00	29.75	0.00	Max DL
251	gLCB6	2/4	-12.79	0.00	-14.70	0.00	24.54	0.00	
251	gLCB7	2/4	-15.95	0.00	-6.26	0.00	29.85	0.00	
251	gLCB8	2/4	-12.79	0.00	-6.05	0.00	24.64	0.00	
251	gLCB9	2/4	-16.18	0.00	-14.90	0.00	29.62	0.00	
251	gLCB10	2/4	-13.02	0.00	-14.69	0.00	24.41	0.00	
251	gLCB11	2/4	-16.18	0.00	-6.25	0.00	29.72	0.00	
251	gLCB12	2/4	-13.02	0.00	-6.05	0.00	24.51	0.00	
251	gLCB13	2/4	-14.50	0.00	-14.77	0.00	26.44	0.00	
251	gLCB14	2/4	-11.34	0.00	-14.57	0.00	21.23	0.00	
251	gLCB15	2/4	-14.50	0.00	-6.13	0.00	26.54	0.00	
251	gLCB16	2/4	-11.34	0.00	-5.92	0.00	21.33	0.00	
251	gLCB17(max)	2/4	-3.88	0.00	0.15	0.00	14.79	0.00	
251	gLCB17(min)	2/4	-10.80	0.00	-0.58	0.00	-3.89	0.00	
251	gLCB18(max)	2/4	-4.06	0.00	0.08	0.00	16.74	0.00	
251	gLCB18(min)	2/4	-10.97	0.00	-0.66	0.00	-1.95	0.00	
251	gLCB19(max)	2/4	0.18	0.00	0.08	0.00	16.74	0.00	
251	gLCB19(min)	2/4	-6.74	0.00	-0.66	0.00	-1.95	0.00	
251	gLCB20(max)	2/4	0.00	0.00	0.00	0.00	18.68	0.00	Wall
251	gLCB20(min)	2/4	-6.92	0.00	-0.73	0.00	0.00	0.00	Max. Leg
251	gLCB21(max)	2/4	-3.88	0.00	0.15	0.00	23.75	0.00	Max EV2
251	gLCB21(min)	2/4	-14.07	0.00	-0.93	0.00	-3.89	0.00	
251	gLCB22(max)	2/4	-4.06	0.00	0.08	0.00	25.70	0.00	
251	gLCB22(min)	2/4	-14.25	0.00	-1.01	0.00	-1.95	0.00	
251	gLCB23(max)	2/4	0.18	0.00	0.08	0.00	25.70	0.00	
251	gLCB23(min)	2/4	-10.01	0.00	-1.01	0.00	-1.95	0.00	
251	gLCB24(max)	2/4	0.00	0.00	0.00	0.00	27.65	0.00	Wall
251	gLCB24(min)	2/4	-10.19	0.00	-1.08	0.00	0.00	0.00	Max. Leg
									Max EV3

APPENDIX A

Existing Plans

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



PLANS
INTERSTATE 395
OVER

MAINE CENTRAL RAILROAD
(BUCKSPORT BRANCH)

IN THE CITY OF
BREWER

PENOBSCOT COUNTY

PROJECT NO. IG-395-8(9)176

PROJECT LENGTH 0.00 MILES

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(9)176	1	25

CONVENTIONAL SIGNS	
COUNTY LINES	TRAVELLED WAY - PROPOSED
TOWN LINES	UNDERGROUND UTILITIES - EXISTING
PROPERTY LINES	UNDERGROUND UTILITIES - PROPOSED
R/W LINES - EXISTING	RAILROAD - SINGLE TRACK
R/W LINES - NEW - ACCESS CONTROL	RAILROAD - DOUBLE TRACK
R/W LINES - NEW - NO ACCESS CONTROL	UTILITY POLE - EXISTING
CULVERT - EXISTING	UTILITY POLE - JOINT OCCUPANCY
CULVERT - PROPOSED	PROPOSED UTILITY POLE - TEMPORARY
CURBING - EXISTING	PROPOSED UTILITY POLE - PERMANENT
CURBING - PROPOSED	TREES
TRAVELLED WAY - EXISTING	WOODS

SPECIFICATIONS

DESIGN: Load Factor Design per AASHTO
Standard Specifications for Highway
Bridges 1977 and Interim Specifications
1978 thru 1982.

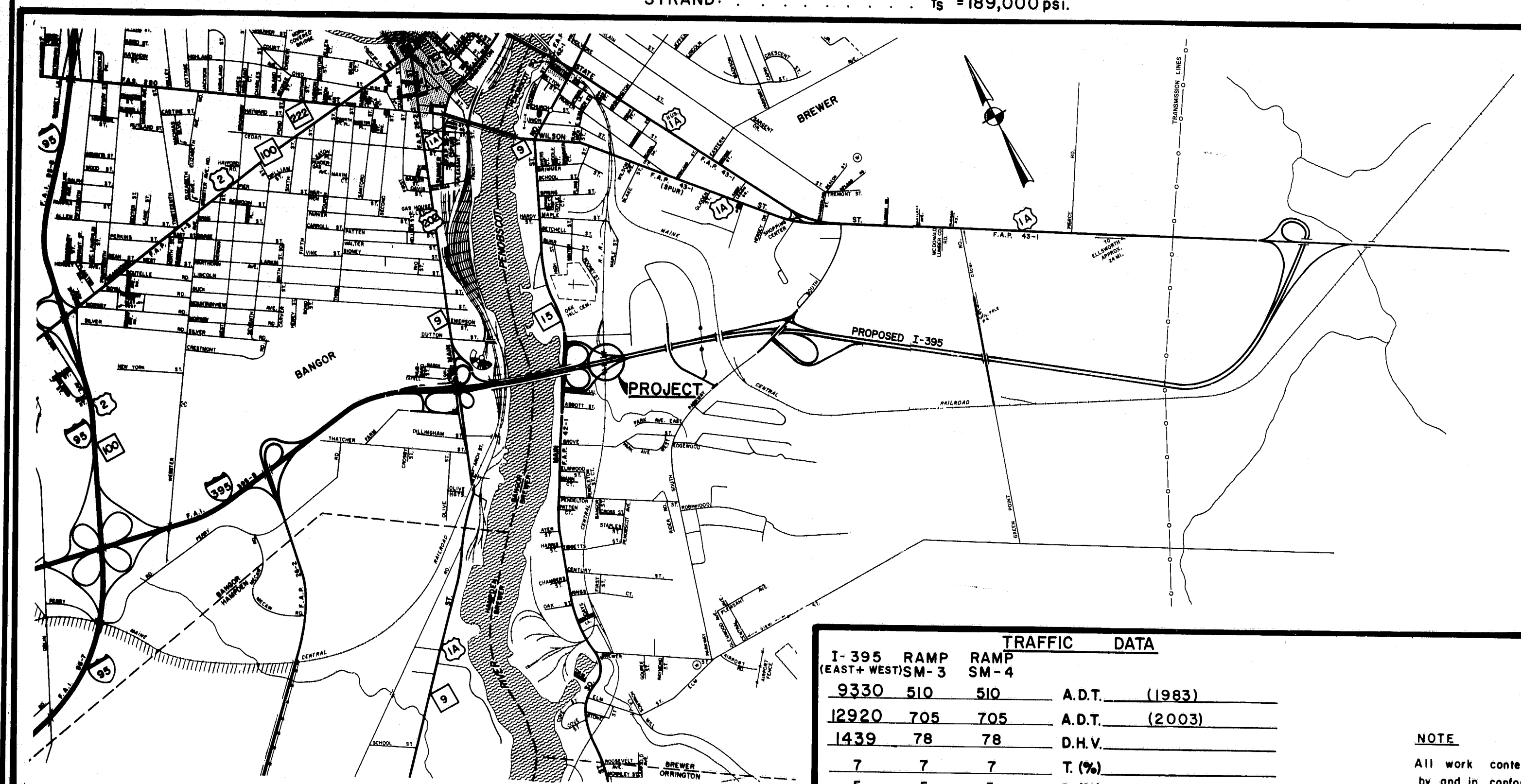
CONTRACT: State of Maine, Department of
Transportation, Standard Specifications,
Highways and Bridges, Revision of
January 1984.

DESIGN LOADING
LIVE LOAD: HS25 (AS MODIFIED FOR INTERSTATE)

MATERIALS
CONCRETE: CLASS A
PRECAST CONCRETE: CLASS A, MODIFIED
REINFORCING STEEL: ASTM A615, GRADE 60
STRAND: 2 # 270ksi

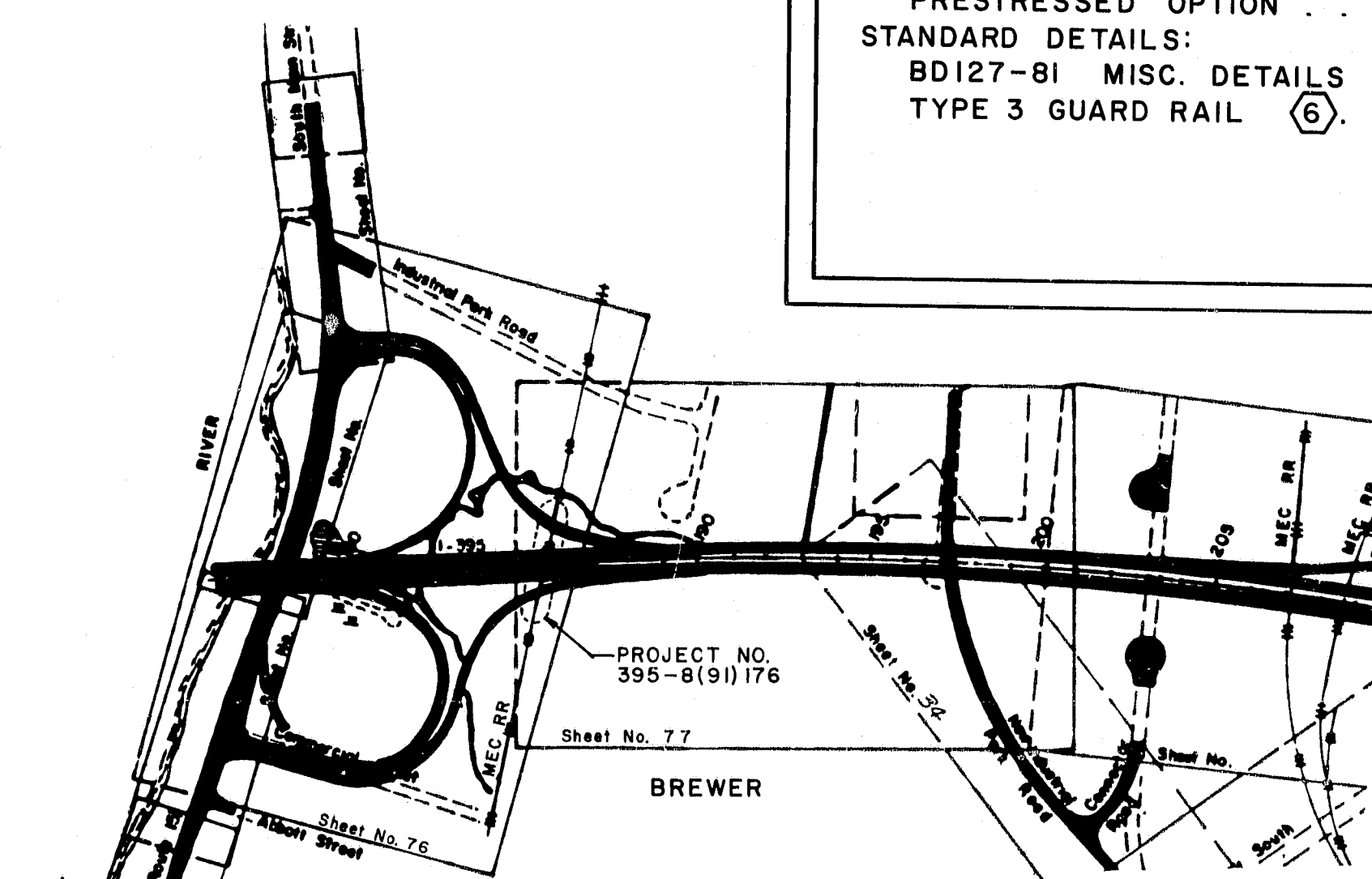
BASIC ALLOWABLE STRESSES
CONCRETE: $f_c = 3000$ psi.
PRECAST CONCRETE: $f_c = 5000$ psi.
REINFORCING STEEL: $f_y = 60,000$ psi.
STRAND: $f_s = 189,000$ psi.

DESCRIPTION	SHEET NO.
TITLE SHEET	1
GENERAL PLAN	2
QUANTITY SHEET	3
SURVEY PLAN	4
FOUNDATION SURVEY:	
PLAN & PROFILES	5
BORING DETAILS	6
RIGID FRAME:	
FOOTING PLAN - NORTH END	7
FOOTING PLAN - SOUTH END	8
PLAN	9
WEST WALL ELEVATION	10
EAST WALL ELEVATION	11
SECTIONS & DETAILS	12 & 13
PRESTRESSED OPTION:	
FOOTING PLAN - NORTH END	14
FOOTING PLAN - SOUTH END	15
PLAN	16
WEST WALL ELEVATION	17
EAST WALL ELEVATION	18
SECTIONS & DETAILS	19 & 20
PRESTRESSED SLAB DETAILS	21
REINFORCING STEEL SCHEDULES:	
RIGID FRAME	22
PRESTRESSED OPTION	23
STANDARD DETAILS:	
BD127-81 MISC. DETAILS	24
TYPE 3 GUARD RAIL	25



A PORTION OF PENOBSCOT COUNTY

TRAFFIC DATA					
I-395 RAMP	RAMP				
(EAST-WEST) SM-3	SM-4				
9330	510	510	A.D.T.	(1983)	
12920	705	705	A.D.T.	(2003)	
1439	78	78	D.H.V.		
7	7	7	T. (%)		
5	5	5	D. (%)		
			V.		
			P.S.D. (%)		
269	34	34	18 KIPS	P.2.5	



LAYOUT PLAN

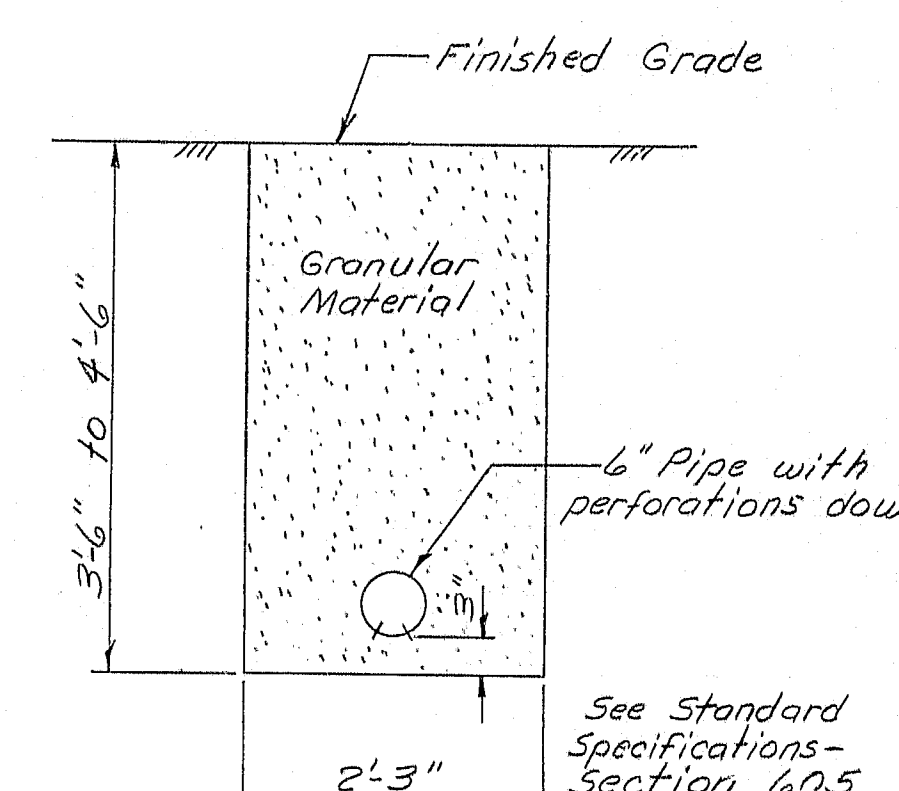
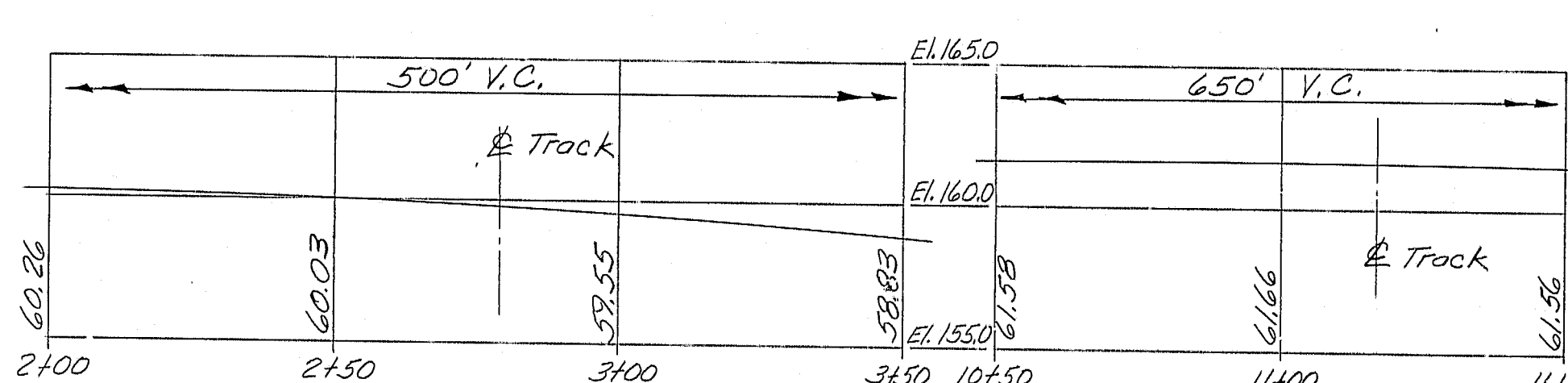
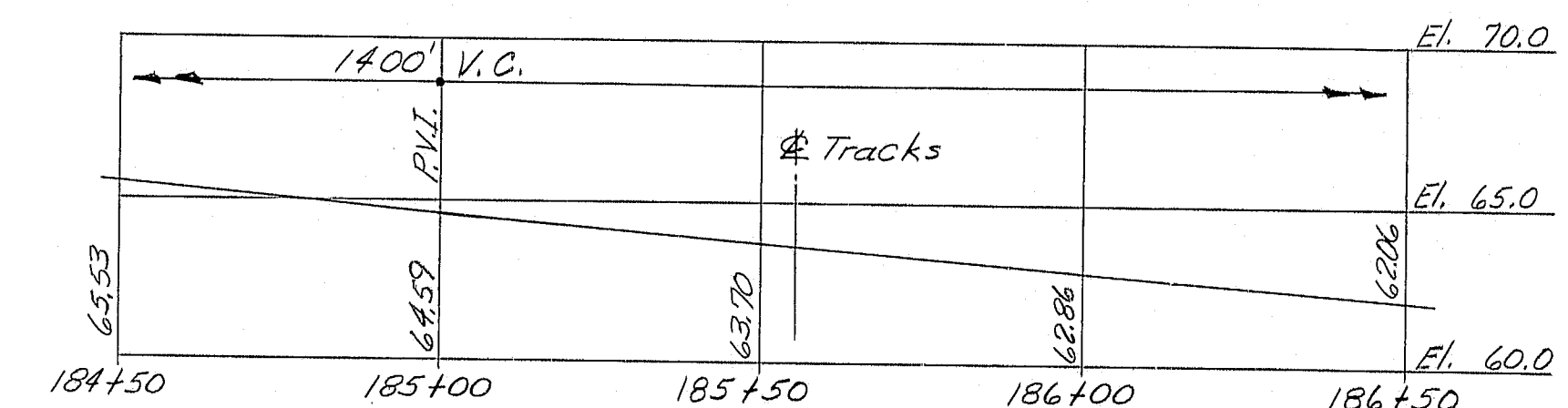
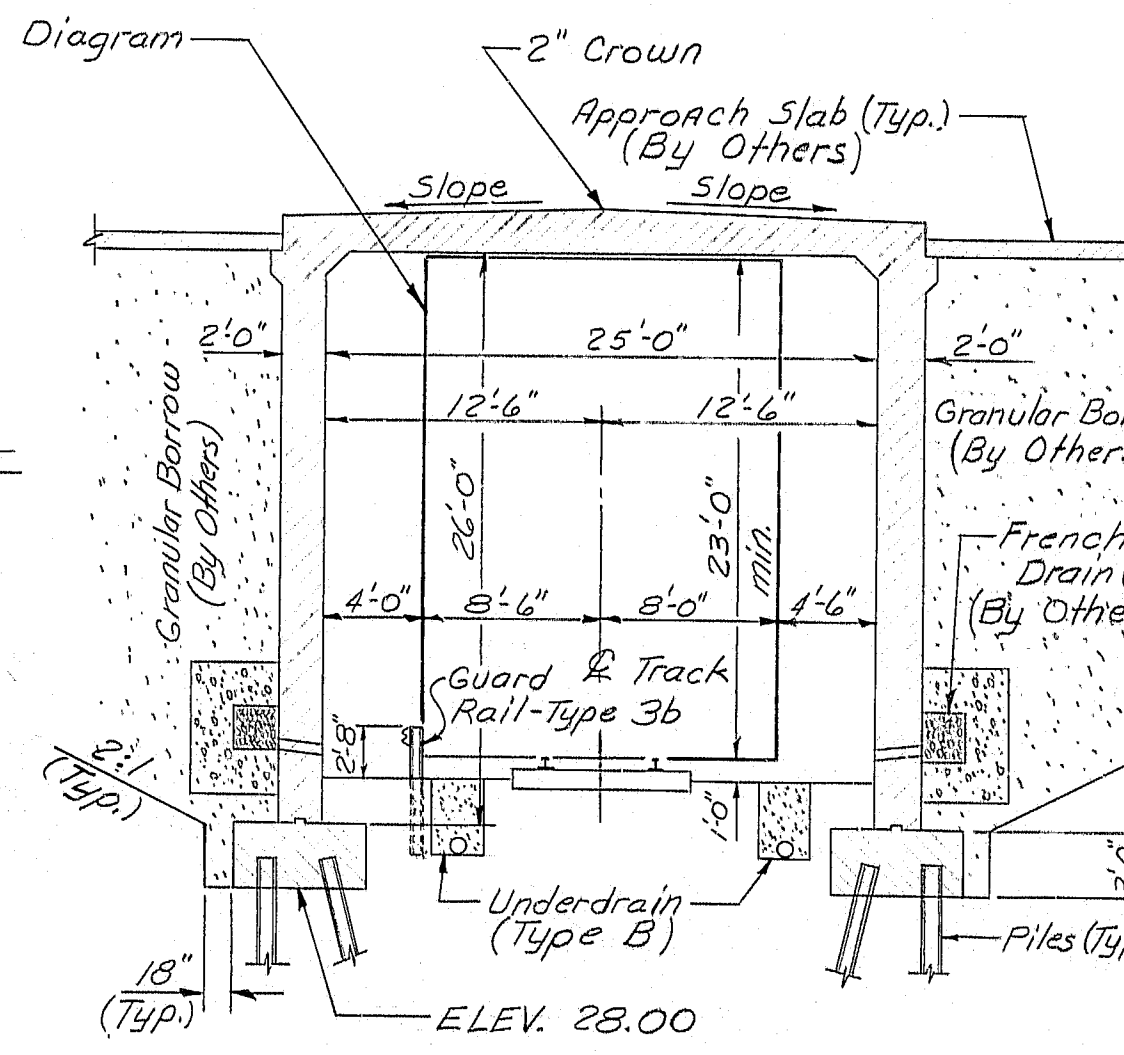
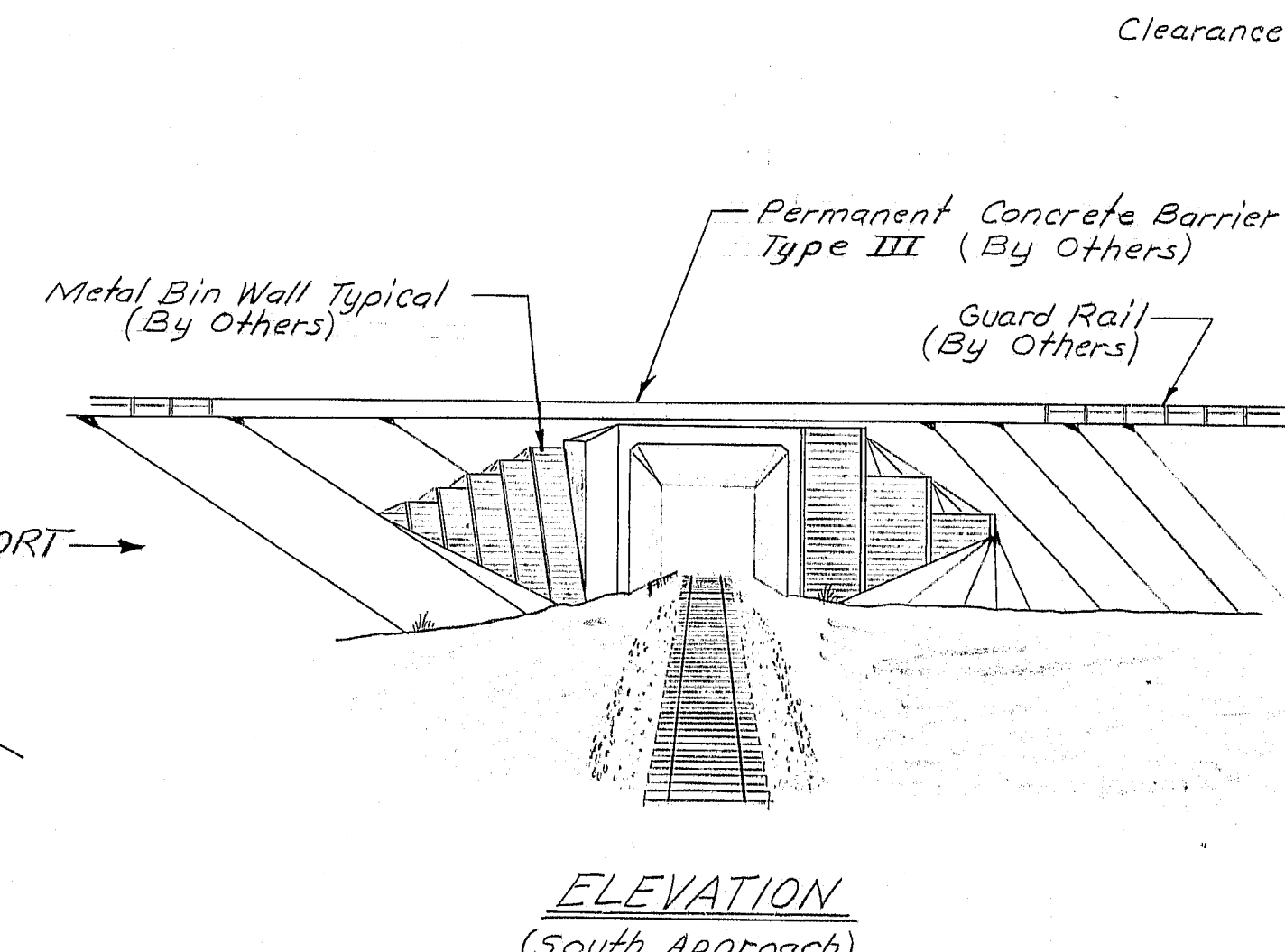
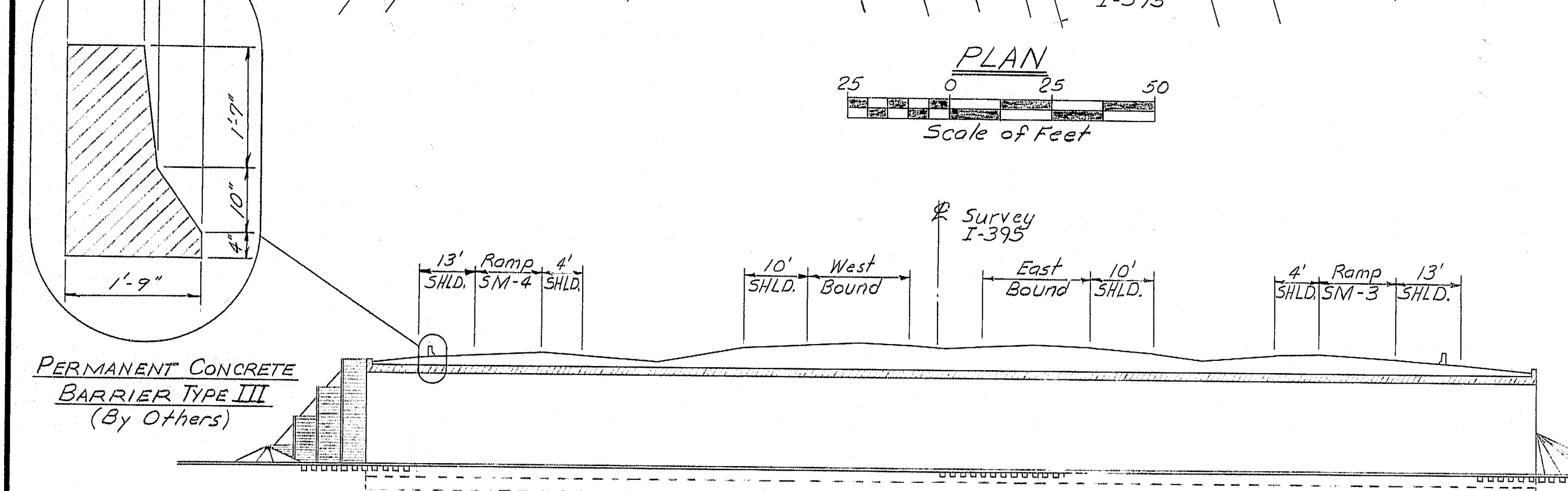
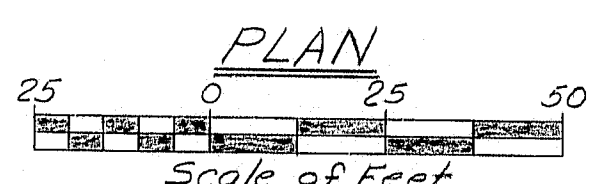
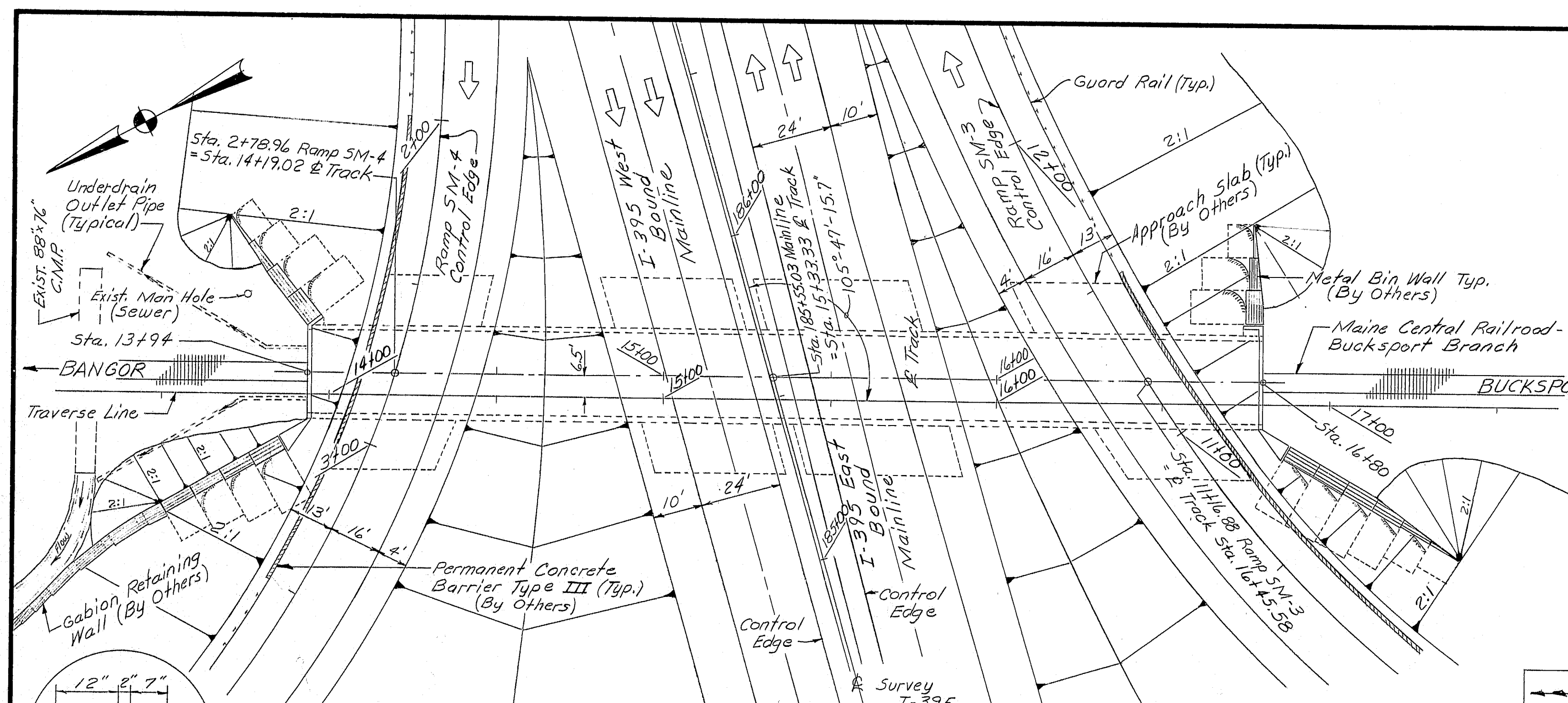
APPROVED: STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
DATE: 3-6-84
COMMISSIONER
Richard A. Coleman
CHIEF ENGINEER

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1
APPROVED: DIVISION ADMINISTRATOR DATE

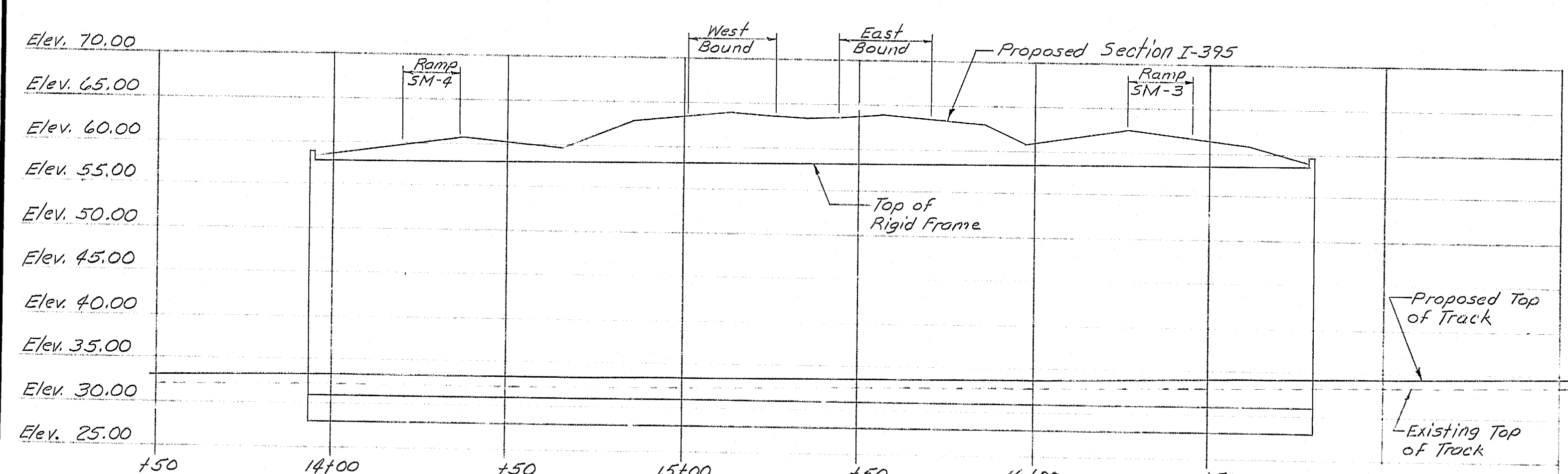
Br. # 1559

R89-261

F.R.A. REQ. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-B(91)176	2	25



1. The material for elbows, tees & wyes shall be at least as thick as the largest size pipe being connected.
2. The invert elevation of underdrain outlets shall be a minimum of 6 inches above the flow line of a ditch or the original ground.
3. Width of the trench for underdrain outlet will be the same as the underdrain trench.
4. No allowance for payment will be made for excavating or material excavated beyond the horizontal dimensions shown.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
GENERAL PLAN

R89-262

F.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	375-8(91)176	3	25

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	QUANTITY	UNIT
		RIGID FRAME OPTION	PRESTRESSED OPTION	
203.25	Granular Borrow	400	400	C.Y.
206.061	Structural Earth Exc. - Drainage and Minor Structures Below Grade	10	10	C.Y.
206.081	Structural Earth Exc. - Abutments, Retaining Walls, etc.	460	515	C.Y.
501.217	Steel H Beam Piles 89 lbs./ft.	3018	3102	L.F.
502.21	Structural Concrete, Abuts & Ret. Walls		1712	C.Y.
502.281	Structural Concrete Rigid Frame Structures	1		L.S.
503.12	Reinforcing Steel Fab. & Delivered	215 200	1448 00	Lbs.
503.13	Reinforcing Steel Placing	215 200	1448 00	Lbs.
514.06	Curing Box for Concrete Cylinders	1	1	Each
535.60	Prestressed Structural Concrete Slabs		1	L.S.
605.09	6 Inch Underdrain - Type B	572	572	L.F.
605.10	6 Inch Underdrain Outlet	142	142	L.F.
606.17	Guard Rail Type 3b - Single Rail	288	288	L.F.
606.265	Terminal End - Single Rail - Galv. Steel	2	2	Each

ESTIMATED QUANTITIES

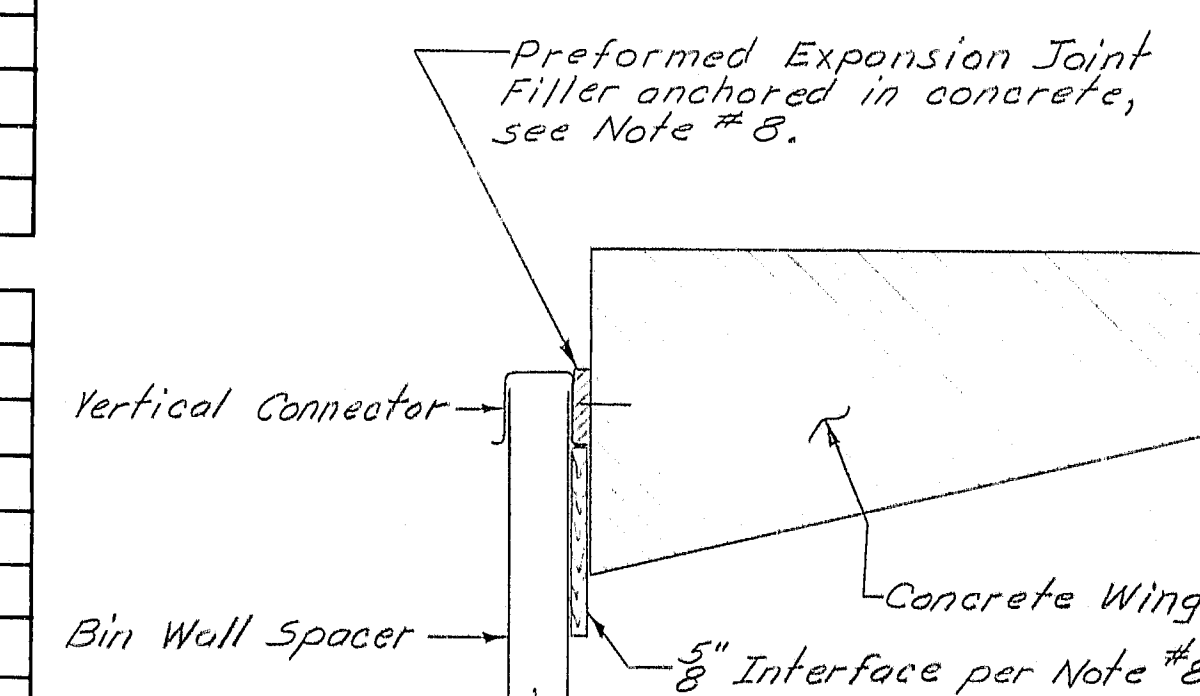
ITEM NO.	DESCRIPTION	QUANTITY	QUANTITY	UNIT
		RIGID FRAME OPTION	PRESTRESSED OPTION	
639.19	Field Office - Type B	1	1	Each
657.24	Seeding Pits	1	1	Unit
659.10	Mobilization	1	1	L.S.
660.21	On-the-Job Training (Bid)	1000	1000	M.H.

Estimate of Lump Sum Quantities

535.50	Prestressed Structural Concrete Slabs	369	C.Y.
502.281	Structural Concrete Rigid Frame Structures	2138	C.Y.

GENERAL CONSTRUCTION NOTES

- Form a 1" V-Groove at the front face of vertical contraction joints. Also provide 1" V-Groove in exposed joints of Rigid Frame Slab.
- Reinforcing steel shall have 2" concrete cover unless otherwise indicated.
- Place 4" diameter drains in the walls and wings at 20 foot maximum spacing. Exact location to be determined by the Engineer in the field.
- Granular Borrow shall meet the requirements of subsection 703.19, Material for Underwater Backfill.
- Cover the vertical contraction joints on the back with two layers of heavy roofing. Cover the contraction joints in the top slab of the Rigid Frame Option in the same manner but without recessing the concrete. See BD 127 for Detail.
- Install 287.5 linear feet of Guard Rail Type 3b from Sta. 13+93.25 to Sta. 16+50.75 as shown in Typical Section on General Plan. Also install Terminal End both ends. Offset brackets will not be required between rail and post.
- Install 286 feet of Underdrain (Type B) each side of track from Sta. 13+94 to Sta. 16+50. Also install Underdrain Outlet Pipes from Sta. 13+94 to Sta. 13+94, one each side of track sloped to drain into stream. See General Plan for approximate locations.
- If the wing concrete is placed after the binwall has been installed, an approved interface shall be used to separate the concrete wing and the binwall as shown in Detail "D". The thickness of the preformed expansion joint filler shall be determined by the Engineer to insure no bond between the binwall and the wing concrete.
- If the Northwest wing concrete is placed prior to the installation of the binwall then the exact length of the wing shall be determined by the Engineer to ensure the binwall will fit between the concrete wing and the gabions.
- All fill material used inside structure including backfill around footings shall be Granular Borrow meeting the requirements of underwater backfill and shall be thoroughly compacted.
- Temporary vertical clearance for falsework and formwork shall be arranged with the railroad.



DETAIL "D"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH

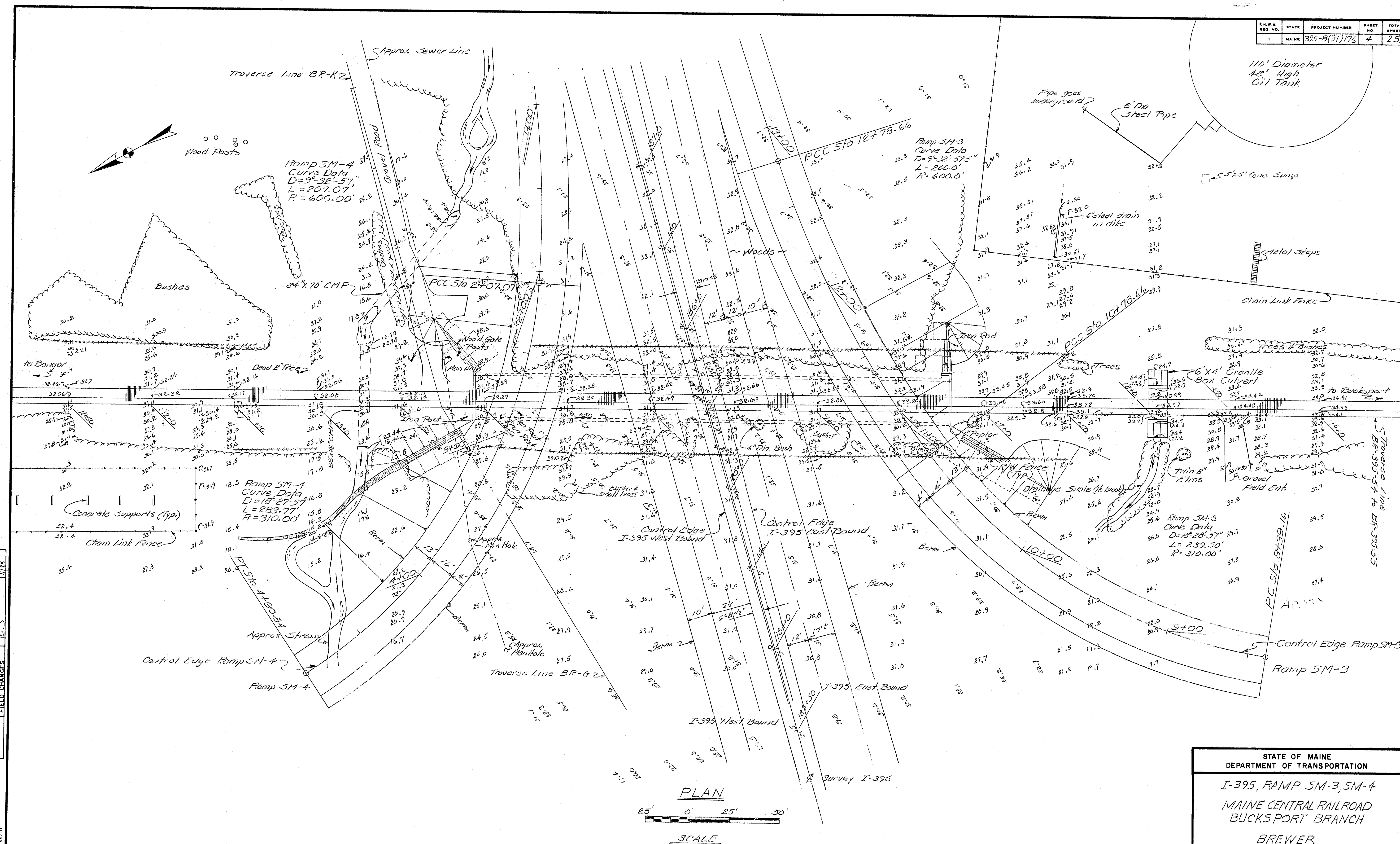
BREWER

QUANTITIES & GENERAL NOTES

SHEET 3 OF 25 AUGUSTA, MAINE March 84

R89-263

F.W.A.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-B(91)176	4	25



Plotted Proposed Structure BEW 11-83

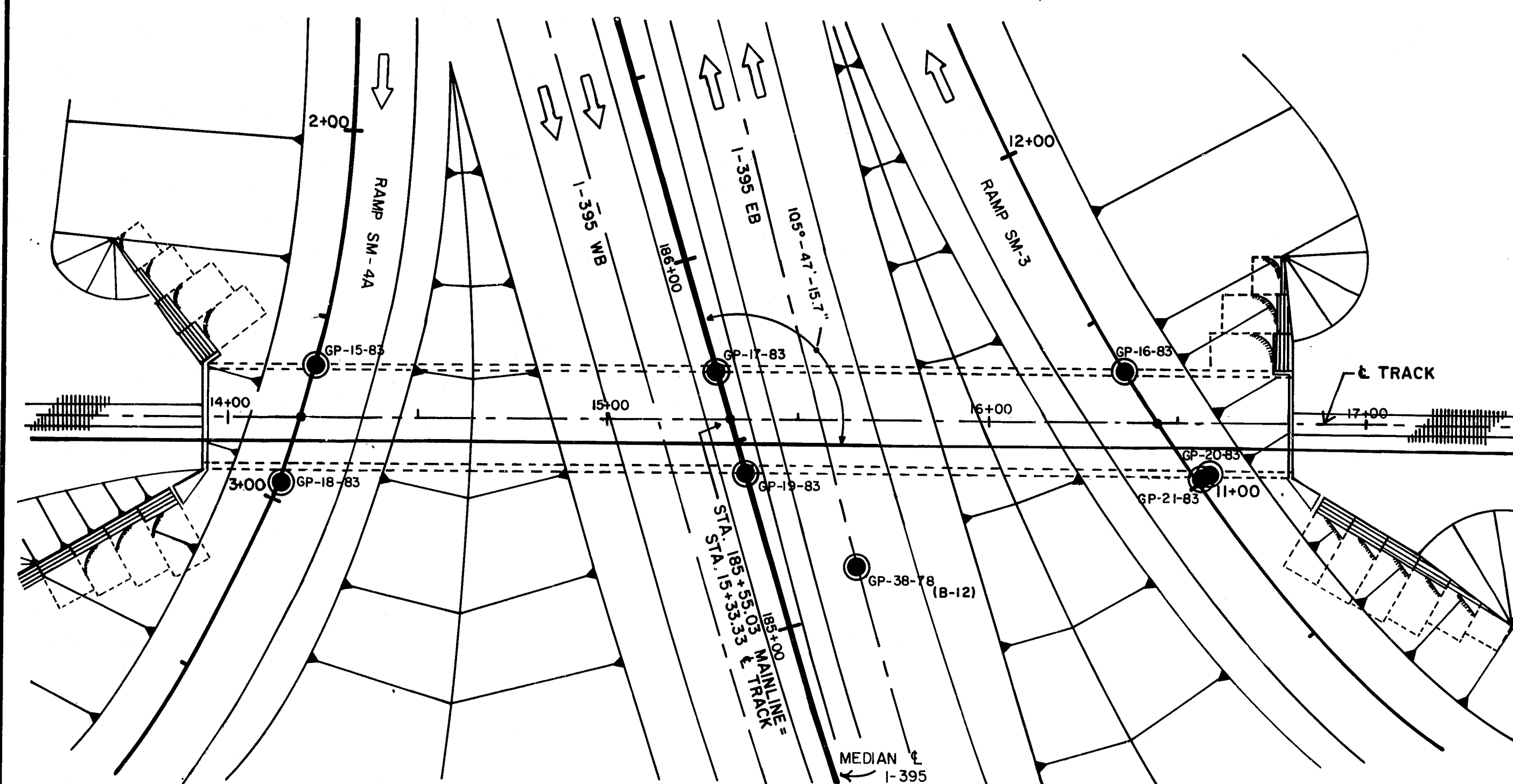
PROJECT DESIGN ENGINEER	DATE
BAS	3/22
DESIGN - CHECKED	DATE
BAS	3/22
REVISIONS	DATE
1	11/83
FIELD CHANGES	DATE
1	11/83

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
SURVEY PLAN
SHEET 4 OF 25 AUGUSTA, MAINE March 84

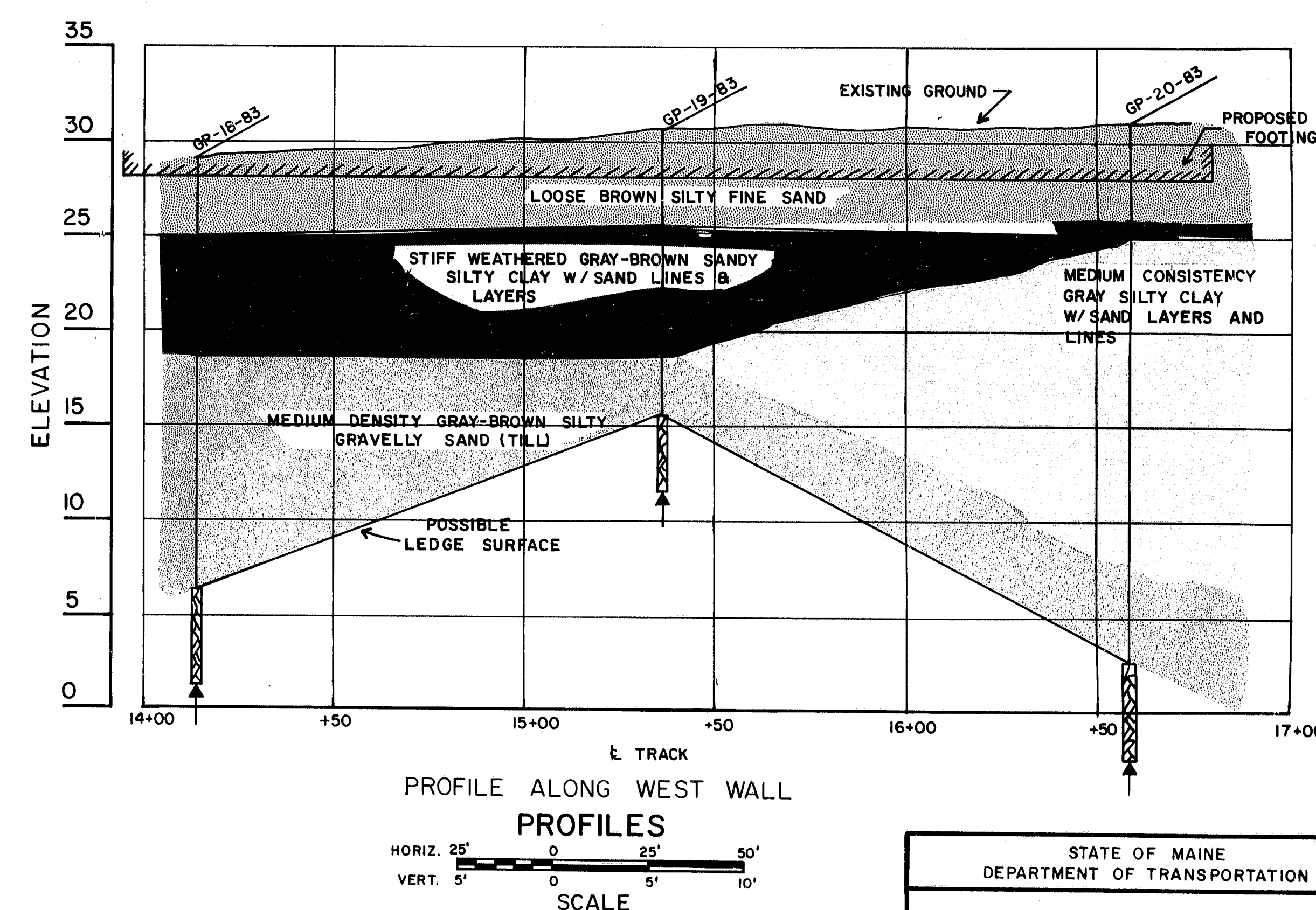
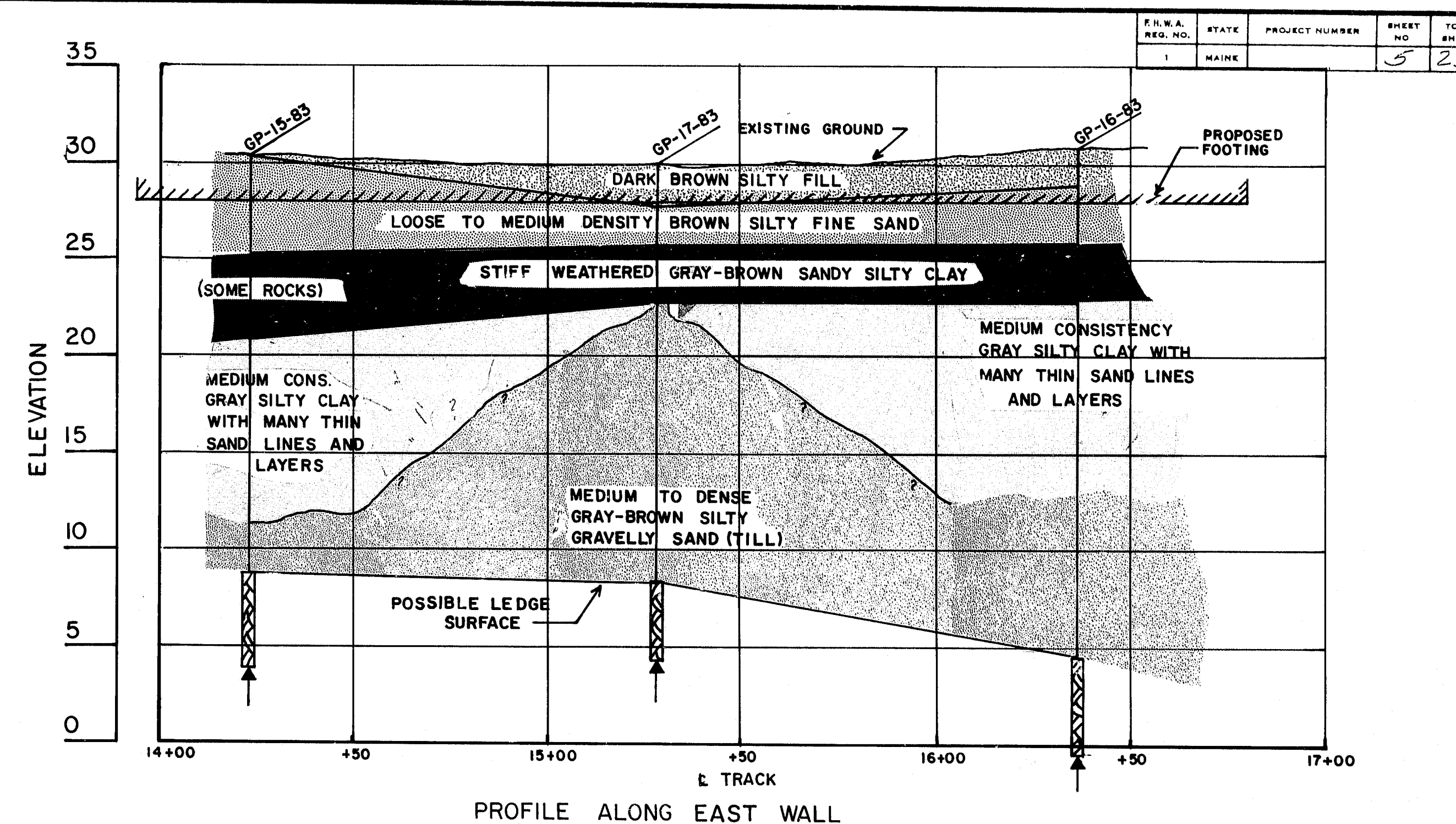
R89-264

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAIL	BAS	7-83
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS



PLAN
SCALE
25' 0 25' 50'



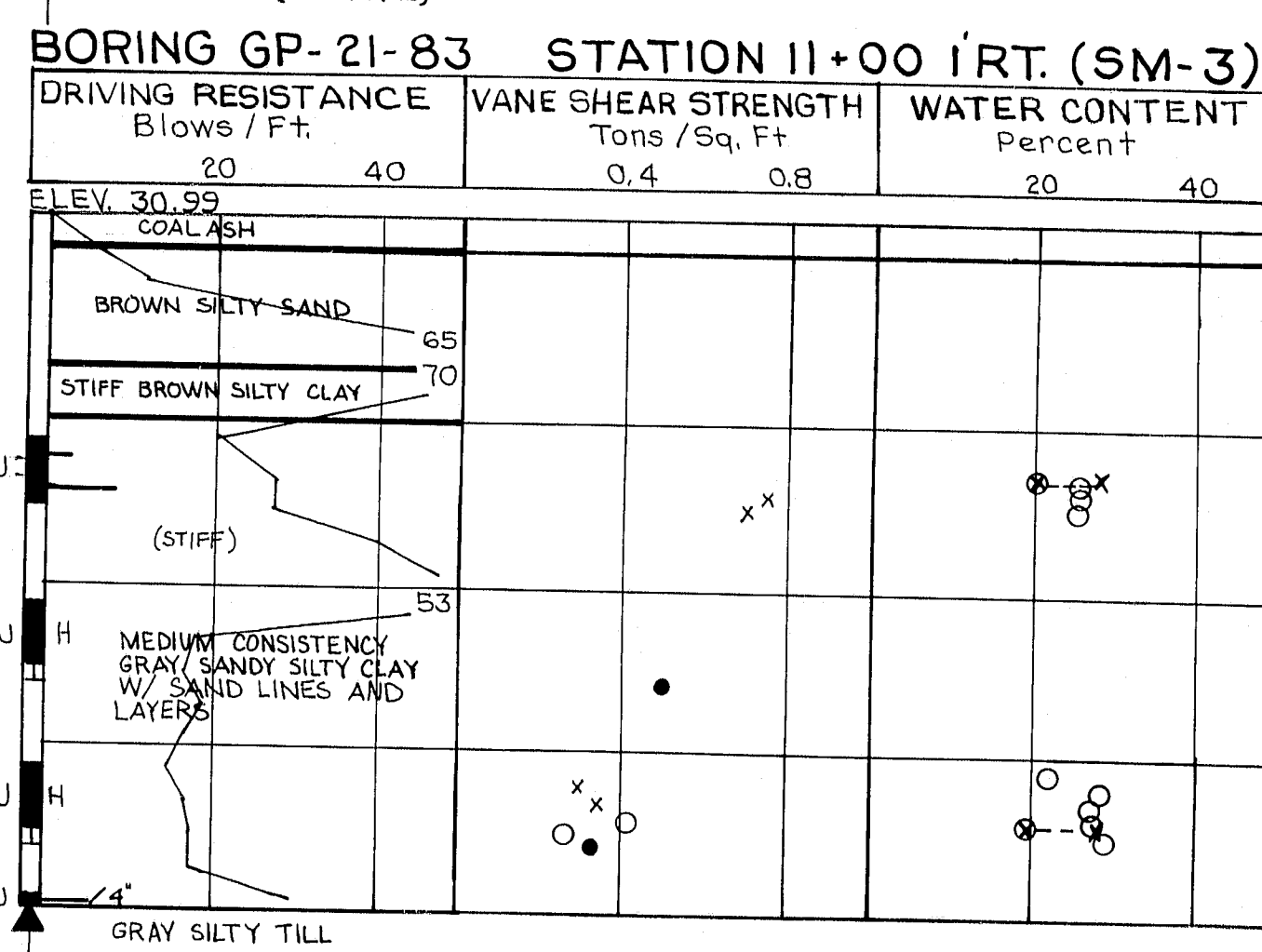
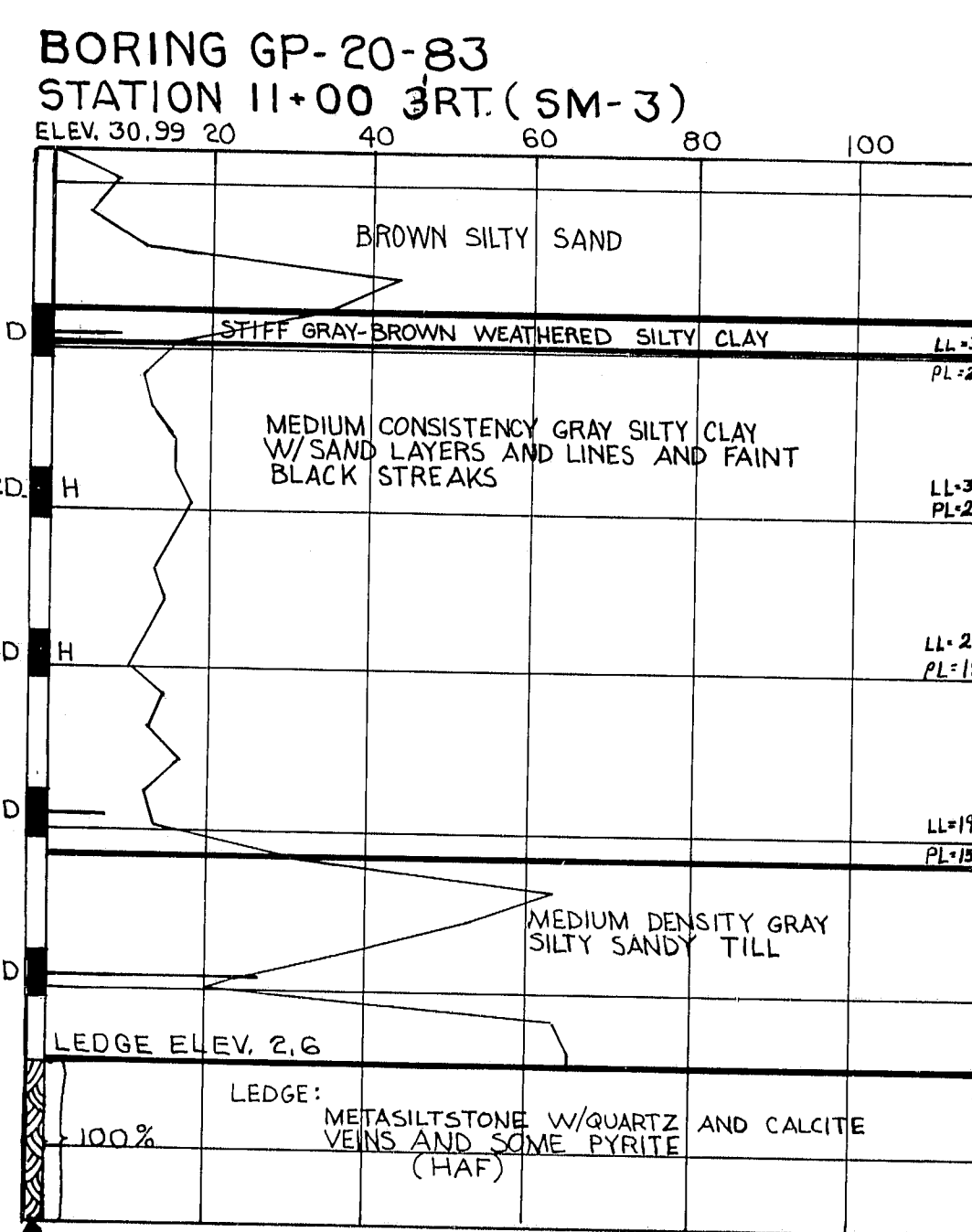
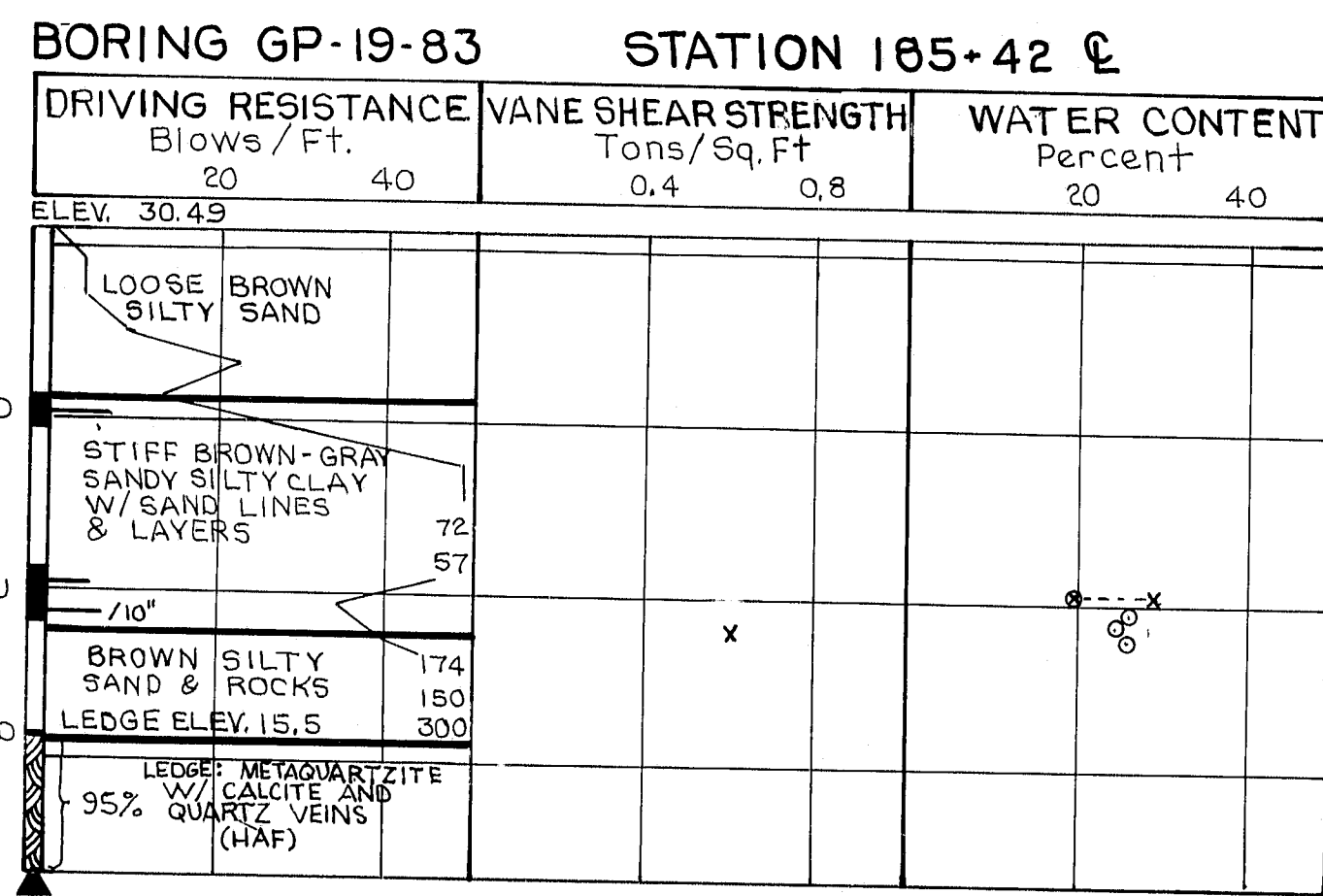
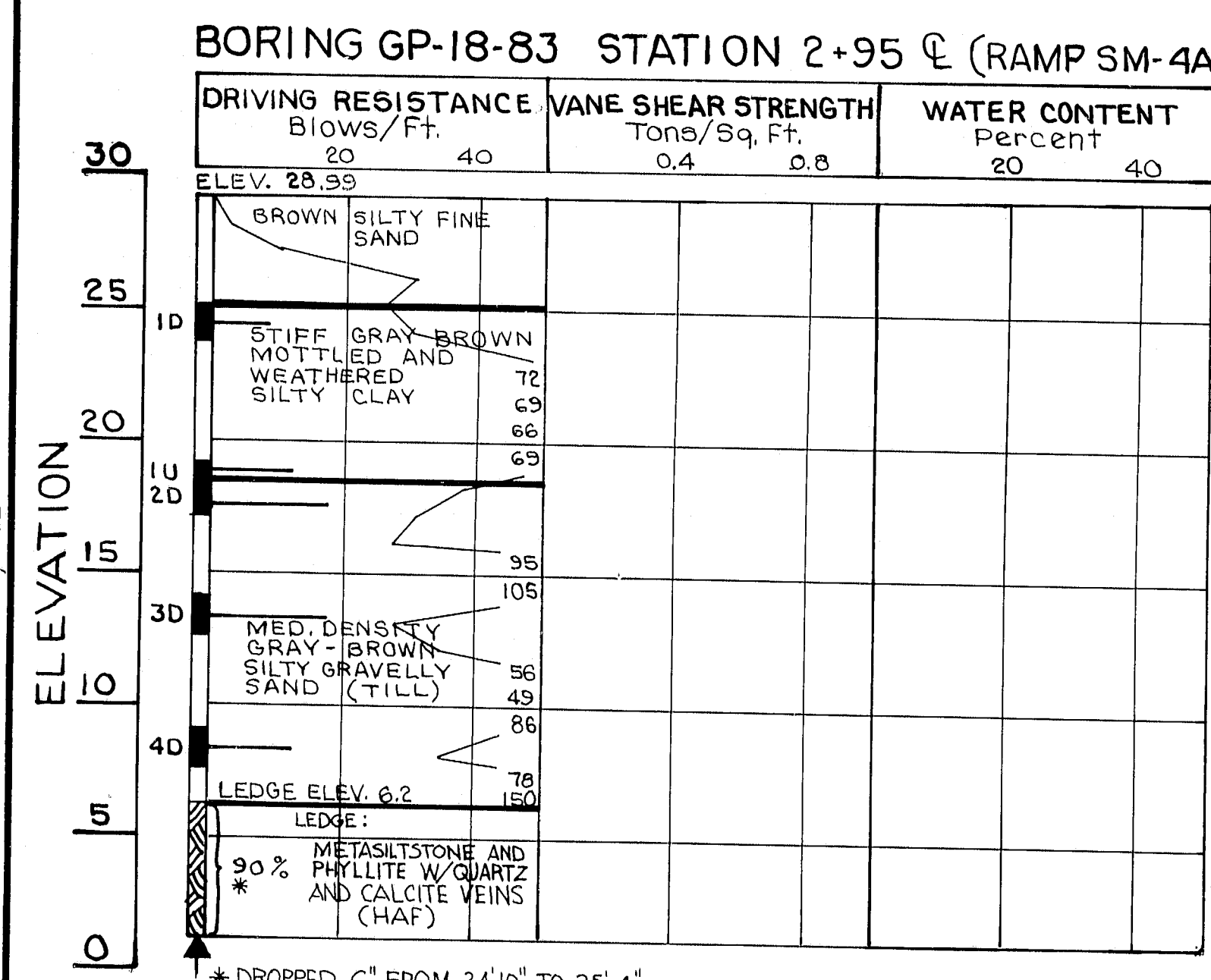
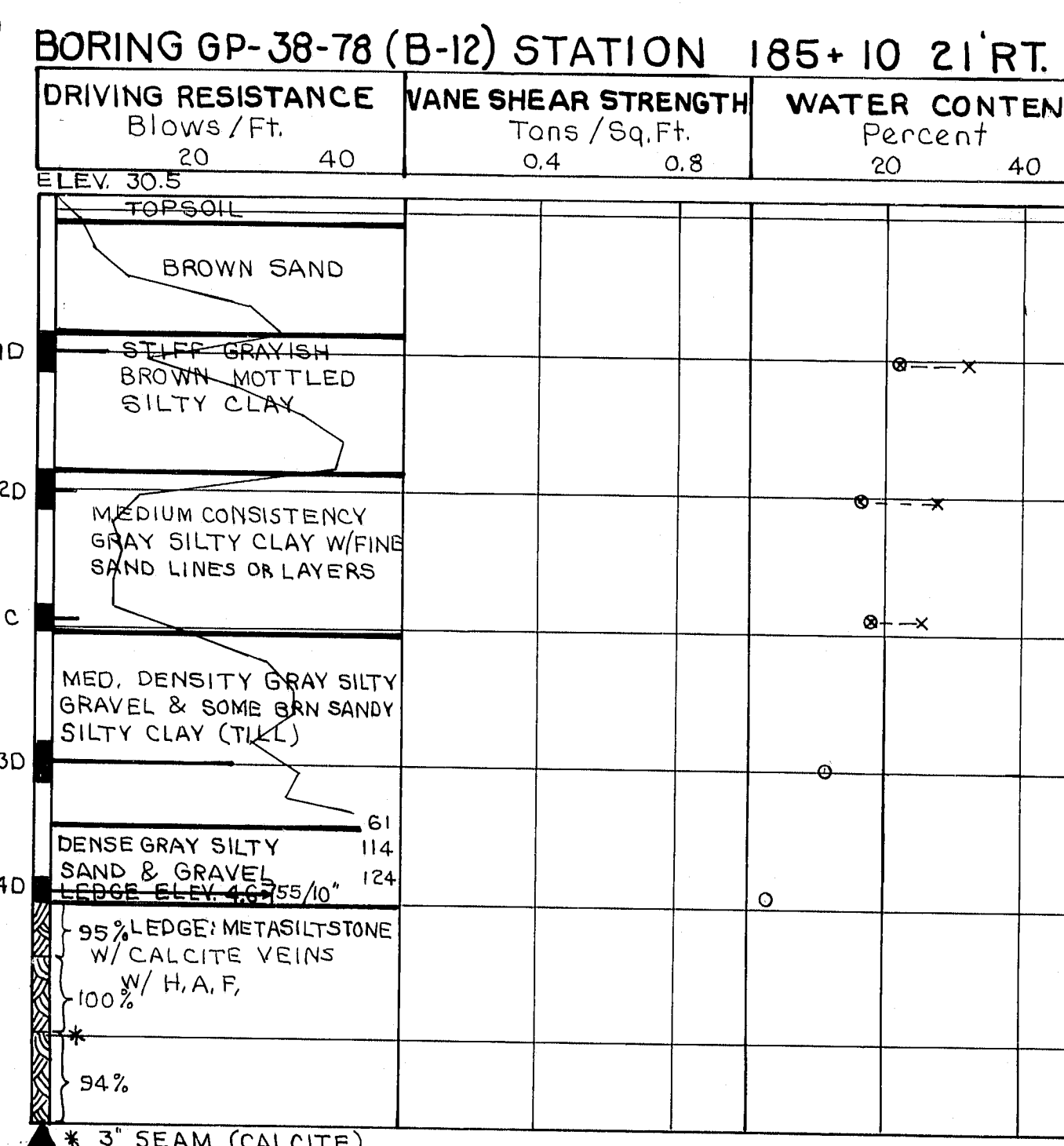
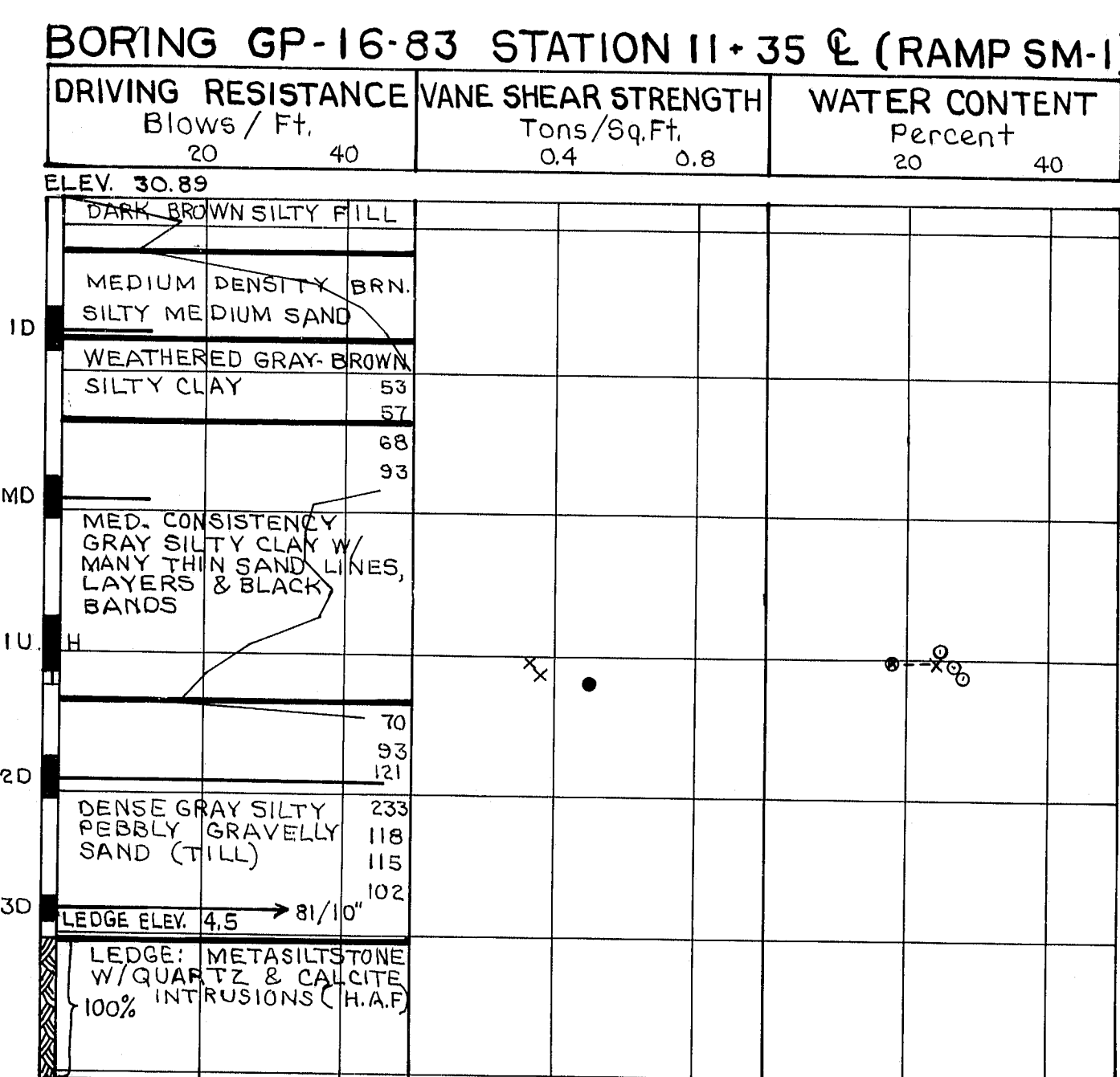
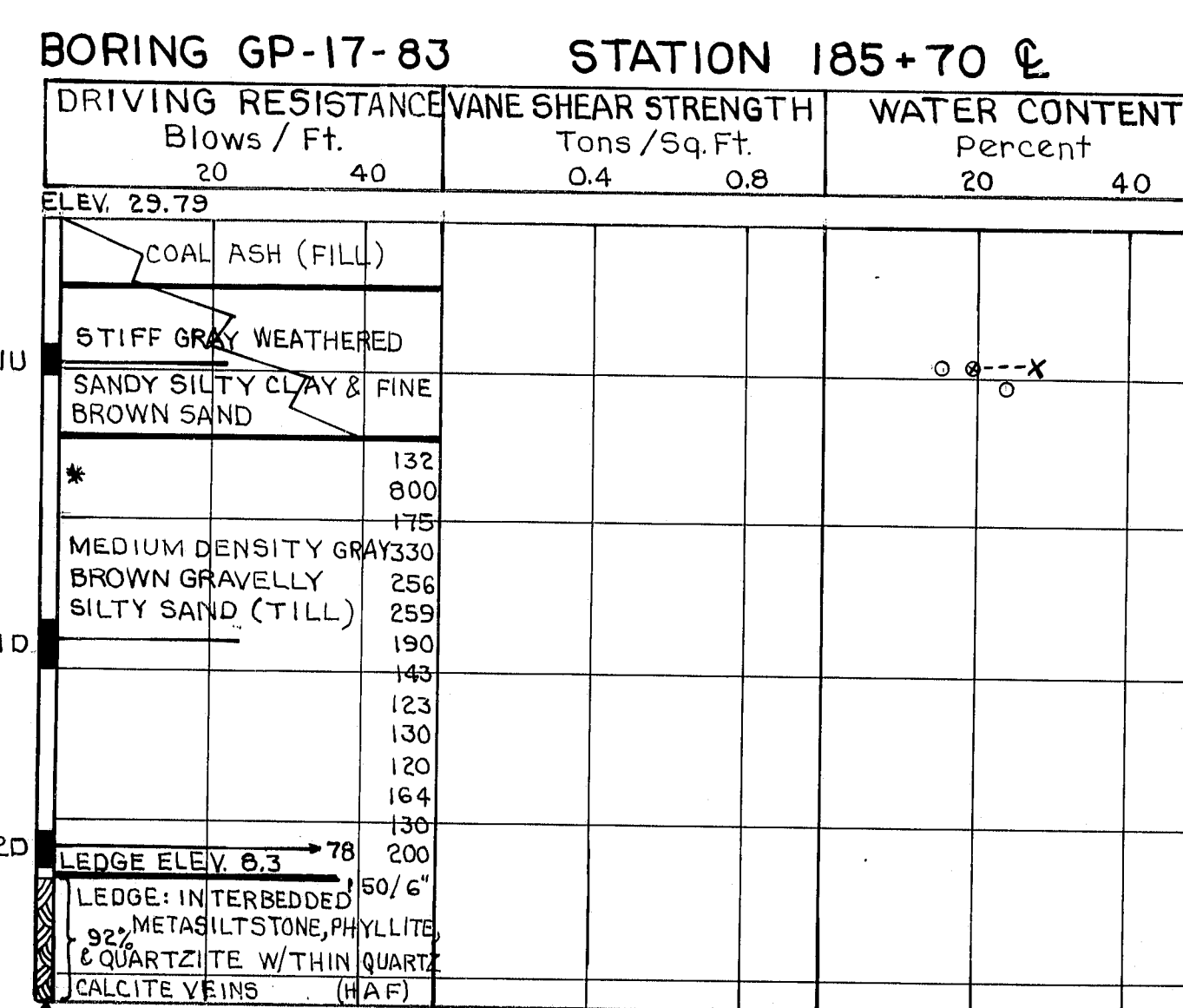
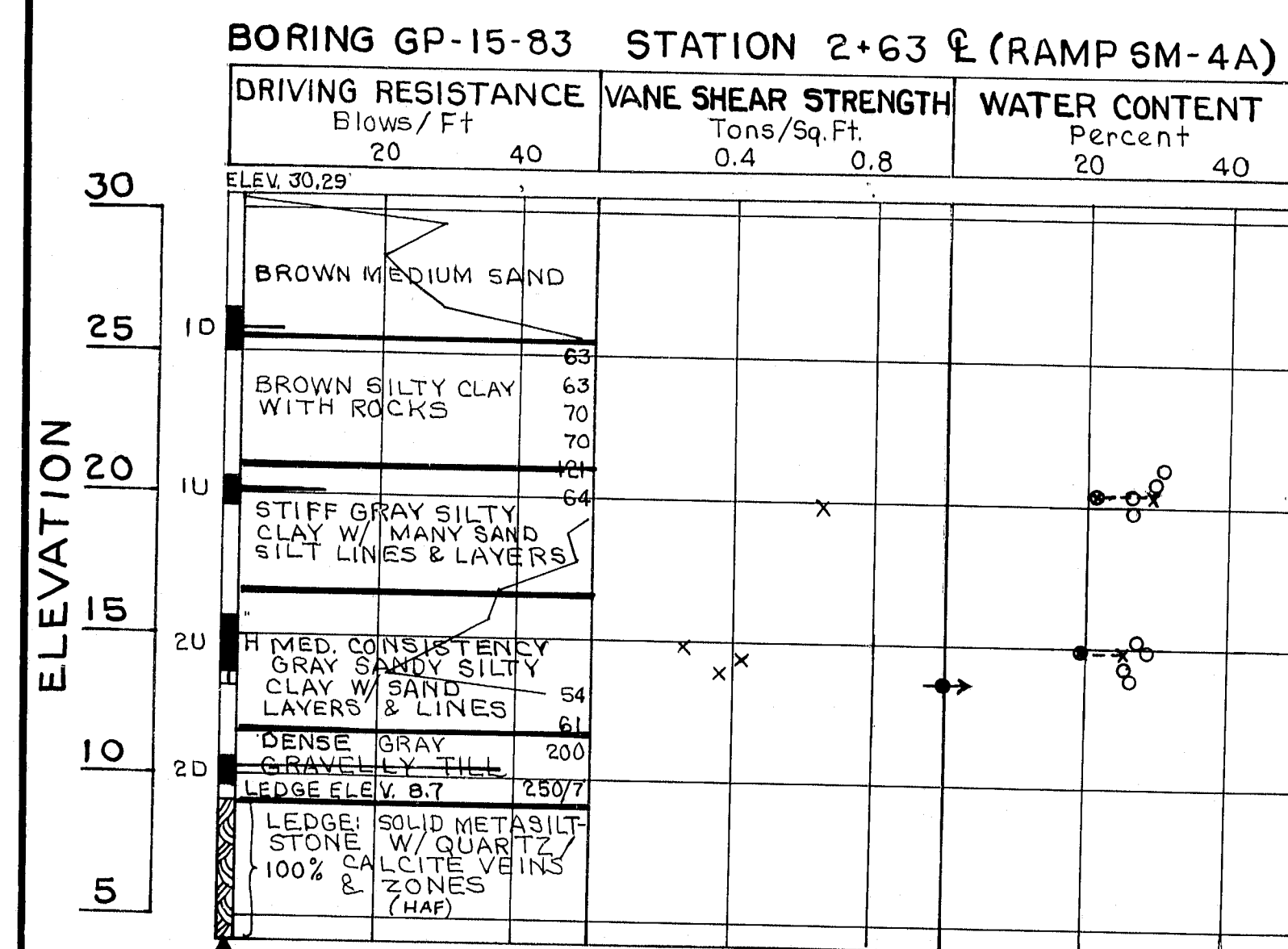
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1-395, RAMP SM-3, SM-4A
OVER
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
IN THE TOWN OF
BREWER
PENOBSCOT COUNTY
PLAN & PROFILES

SHEET 5 OF 25 AUGUSTA, MAINE March 84

R89-265

F.B.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE		6	25



BORING NOTES

All samples and vane are made ahead of casing
 Number of blows required to drive extra heavy casing one foot with 400 ft. lbs. of energy per blow
 Location of sample or sample attempt
 Number and type of dry sample
 S & H Sampler #1290's
 2" O.D. 16ga. seamless tubing
 3 1/2" O.D. 16ga. seamless tubing
 Unsuccessful sample attempt and type of sampler
 Number of blows required to drive spoon or tubing one foot with 350 ft. lbs. of energy per blow
 Sampling spoon or seamless tubing driven by static weight of drill rods and hammer
 Field vane test
 Bottom of boring (may not be bottom of soil strata)
 Refusal of drill rods or casing (may not be ledge)
 Locations cored by diamond bit and percent recovery of rock

SHEAR NOTES

- Field vane shear strengths
- x Laboratory vane shear strengths
- o One half unconfined compressive strengths

WATER CONTENT NOTES

- o Natural water contents, given as percent of dry weight
- o-x Plastic and liquid limits

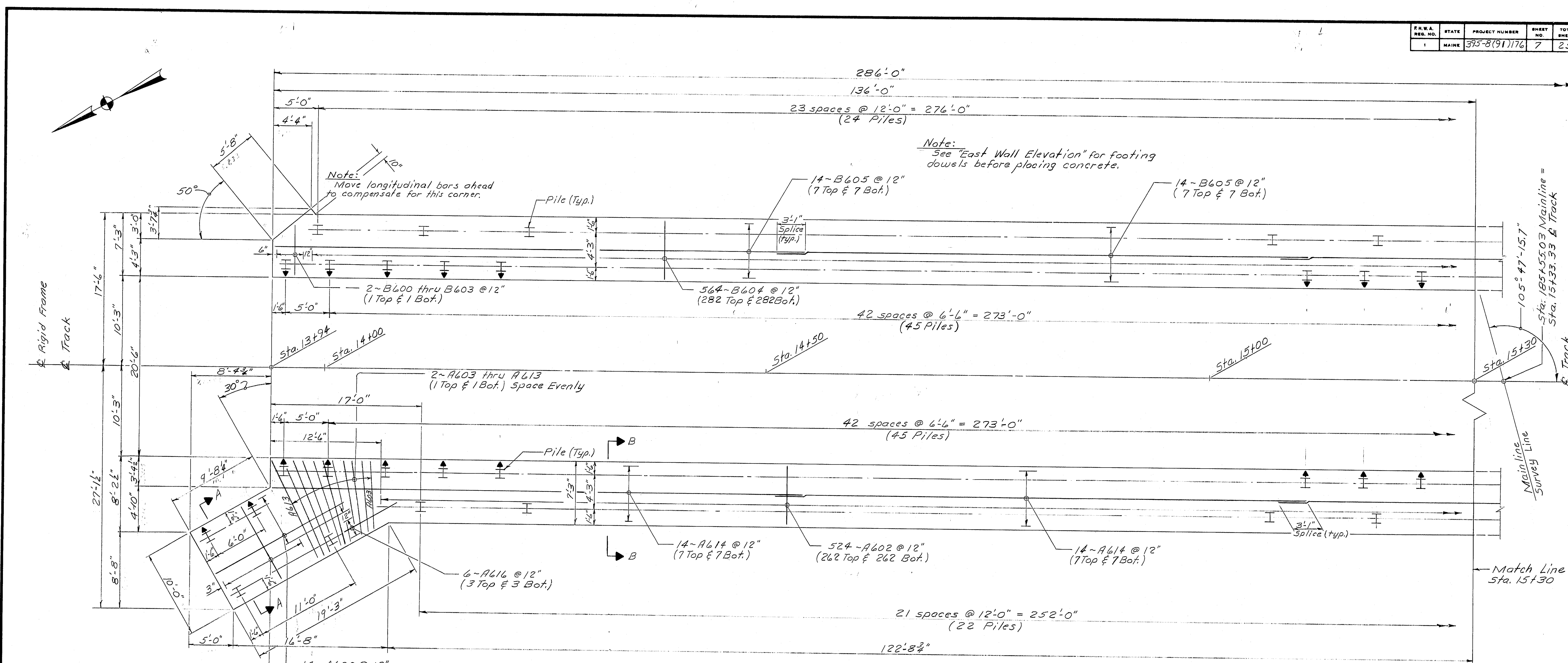
STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

1-395, RAMP SM-3, SM-4A
 OVER
 MAINE CENTRAL RAILROAD
 BUCKSPORT BRANCH
 IN THE TOWN
 BREWER
 PENOBSCOT COUNTY
 BORING DETAILS

SHEET 6 OF 25 AUGUSTA, MAINE March 84

R89-266

F.R.W.A. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-B(91)176	7	25

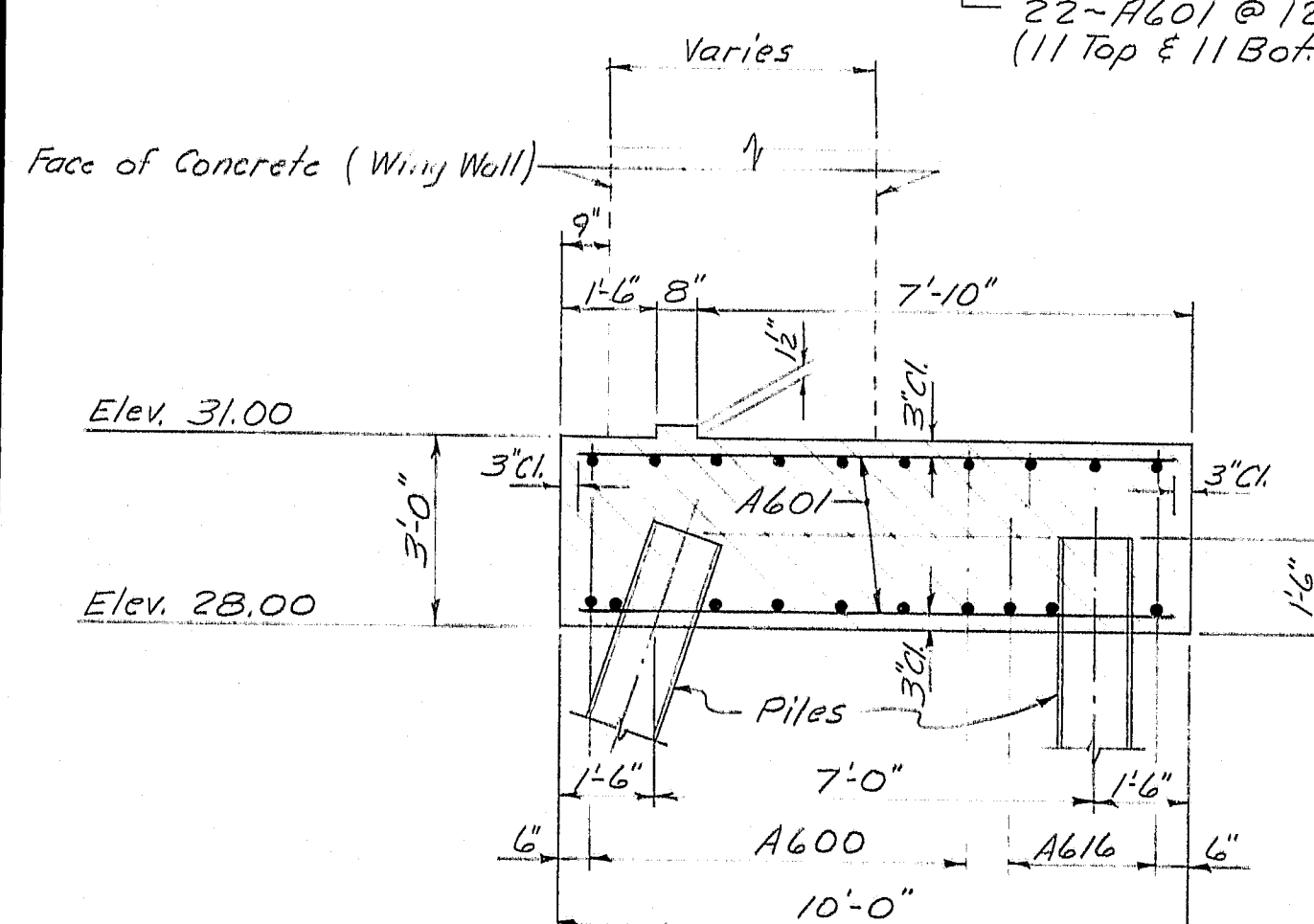


FOOTING PLAN - NORTH END
(PARTIAL PLAN)

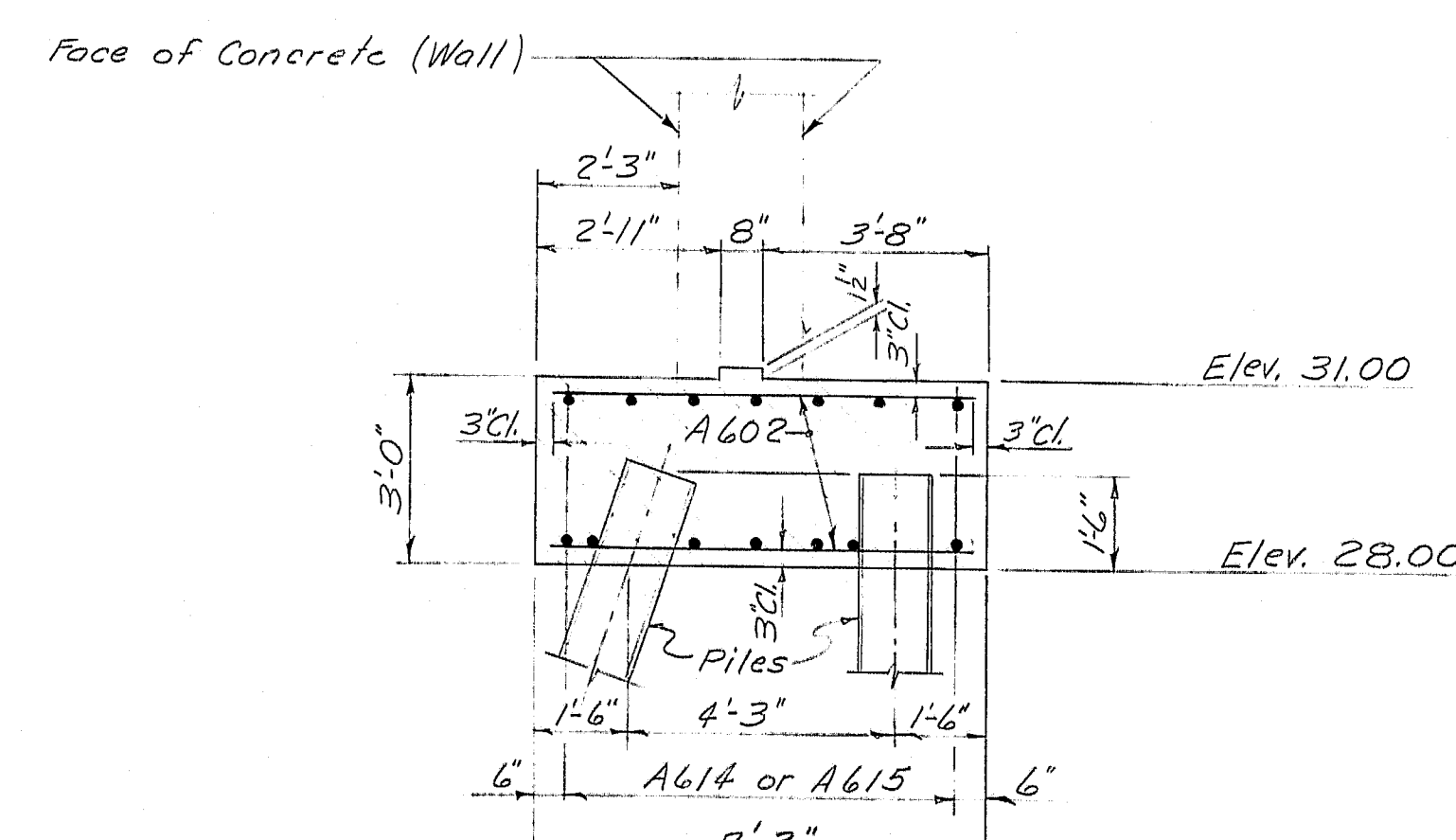
Note:
See West Wall Elevation for footing
dowels before placing concrete.

PILE NOTES

1. Piles marked thus \rightarrow , shall be battered 4 inches per foot in the direction of the arrow.
2. Maximum calculated pile loads: 118 Tons
3. Estimate of piles required:
West Footing: 75-HP 14 x 89 @ 20 feet
East Footing: 69-HP 14 x 89 @ 22 feet
4. Estimated driven lengths of piles are determined from available soils information with no allowance for uncertain pile penetration.
5. HP 13 x 81 bearing piles may be substituted for HP 14 x 89 bearing piles at the option of the Contractor.



SECTION A-A



SECTION B-B

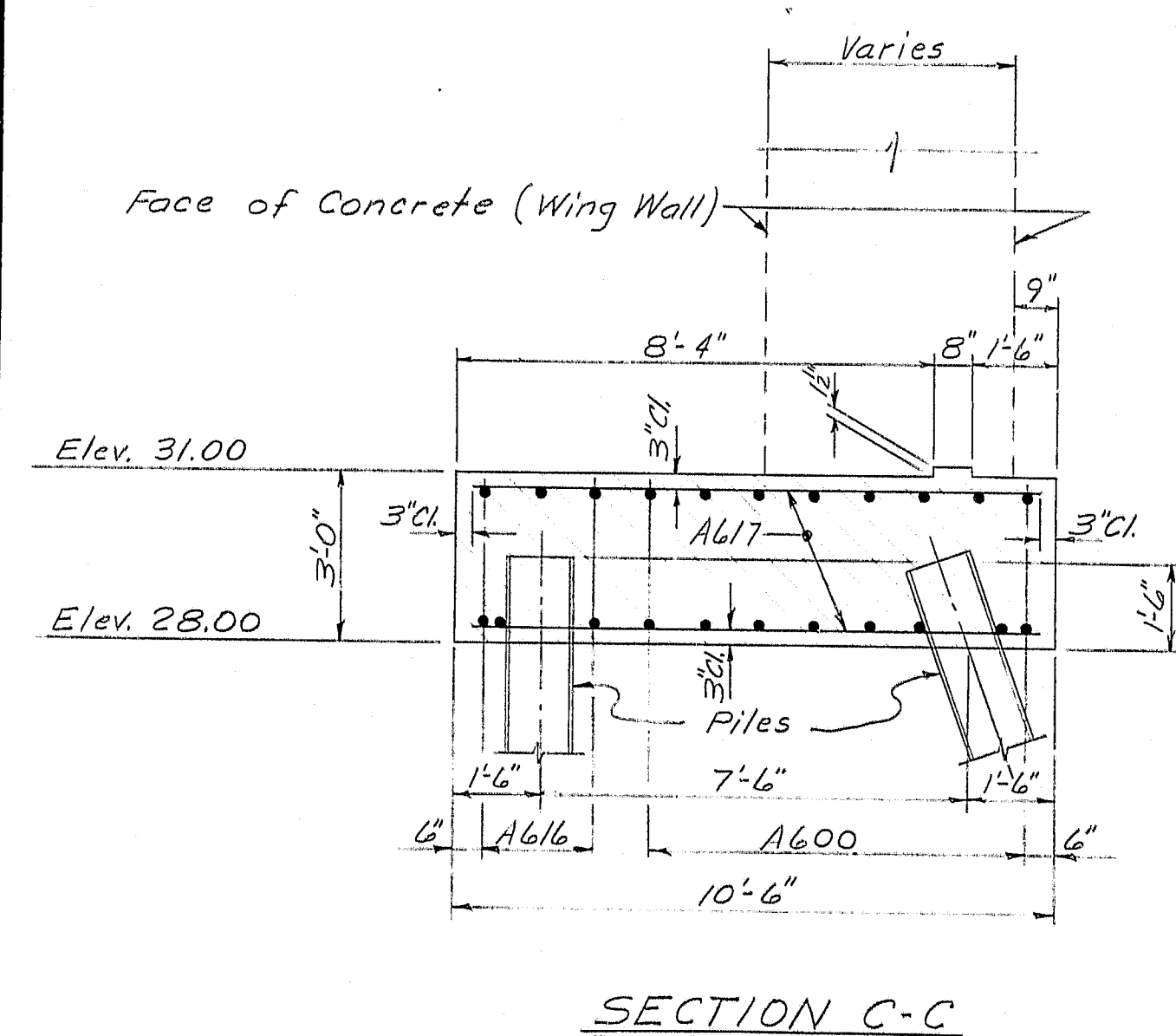
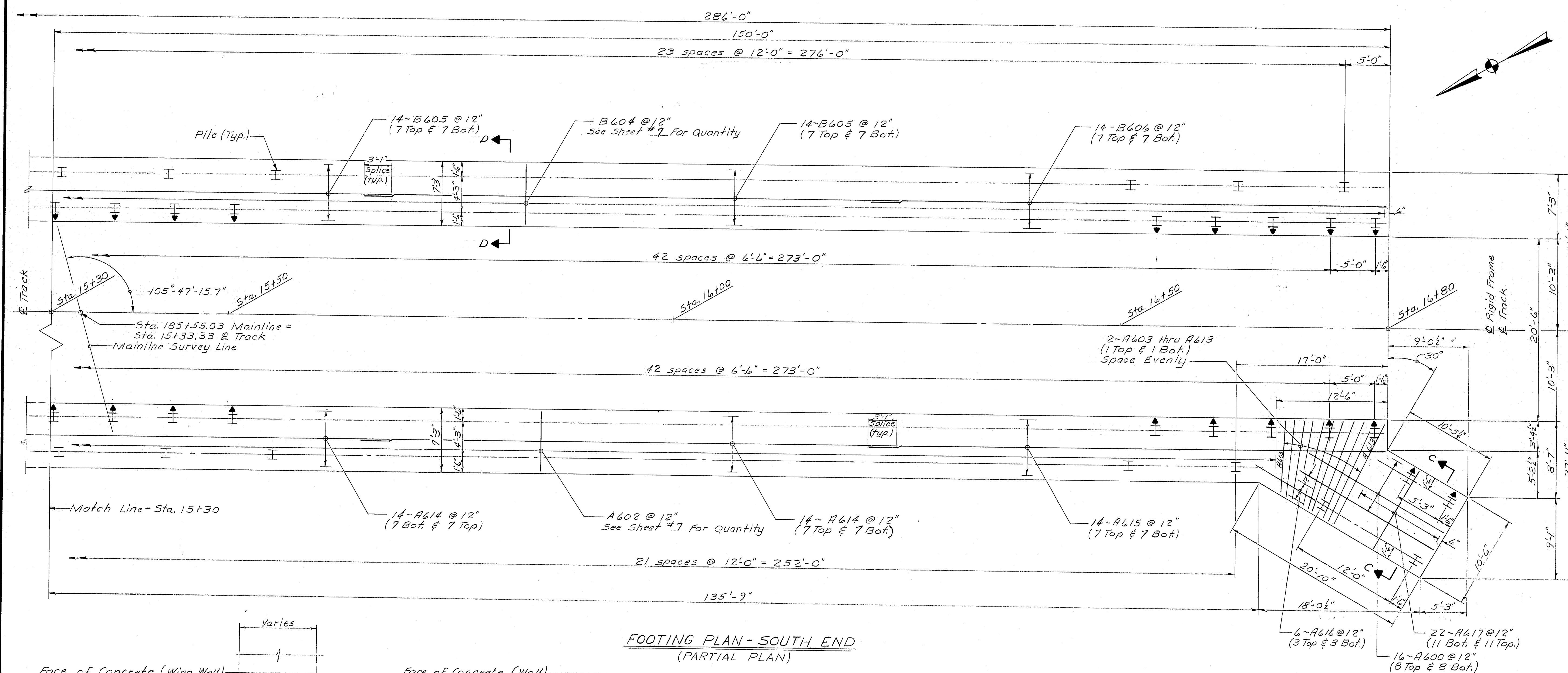
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DESIGN - DETAILED	BAS	11/83
CHECKED	BEW	2-84
REVISIONS	RVD	
FIELD CHANGES	AS BUILT E.S.	11/85

DRAWING 4412-4570-1

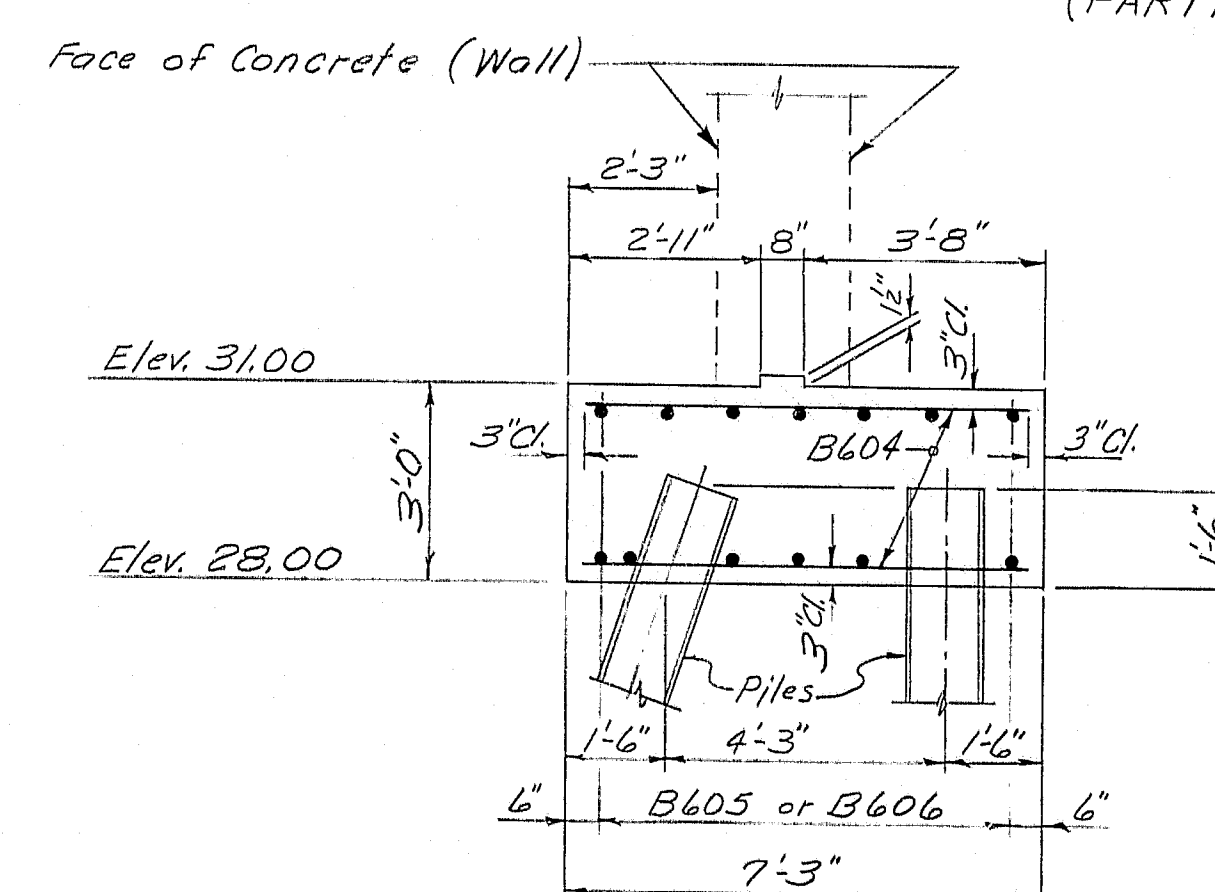
R89-267

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
FOOTING PLAN - NORTH END
RIGID FRAME
SHEET 7 OF 25 AUGUSTA, MAINE March 84

F.R.A. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(1)/76	8	25



SECTION C-C



SECTION D-D

FOOTING PLAN - SOUTH END
(PARTIAL PLAN)

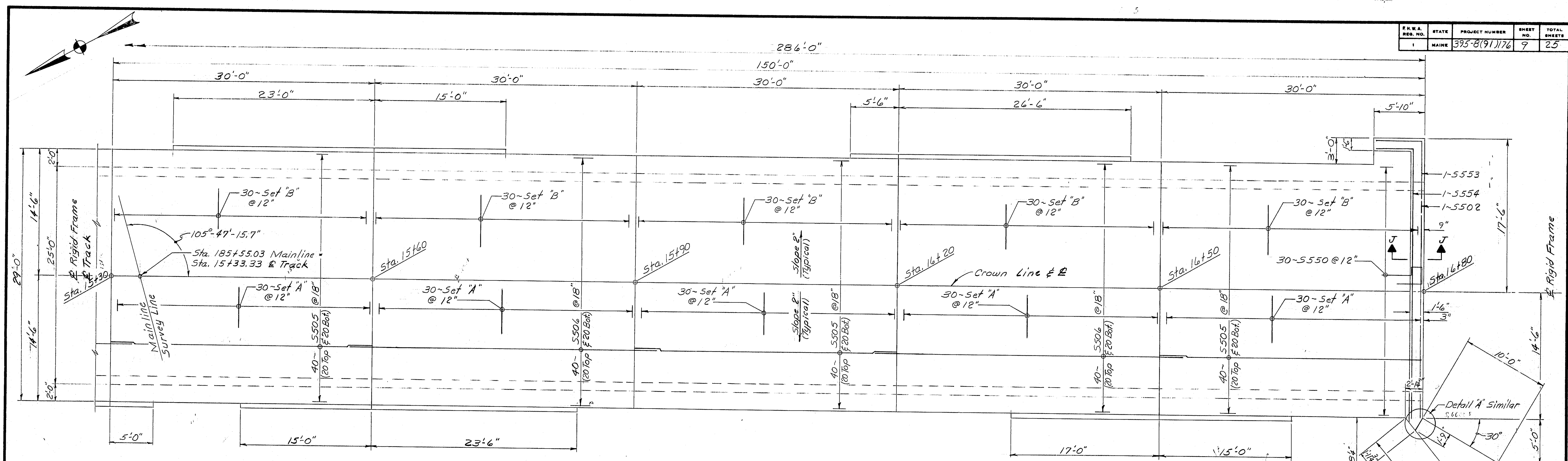
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DESIGN - DETAIL	BAS	11-83
CHECKED	RVD	2-84
REVISIONS		
FIELD CHANGES	1/3	11-85

BRUNN 44-132 6710-1

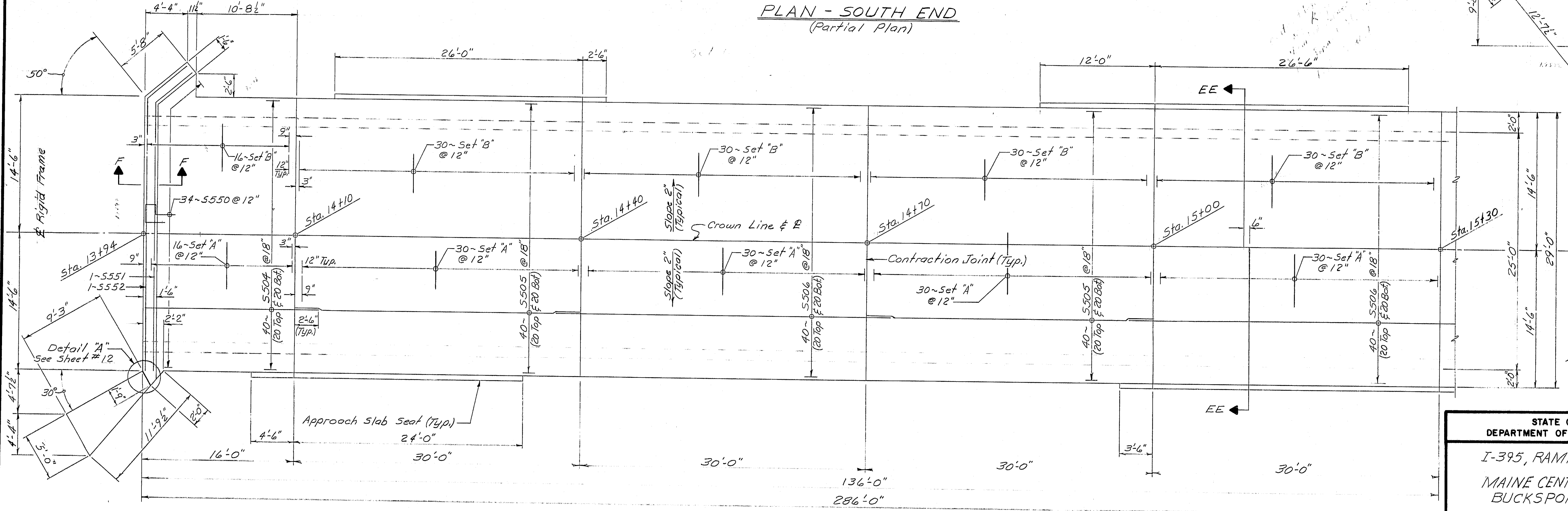
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP 5M-3, 5M-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
FOOTING PLAN - SOUTH END
RIGID FRAME
SHEET 8 OF 25 AUGUSTA, MAINE March 84

R89-268

F.R.A. No.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(91)176	9	25



PLAN - SOUTH END
(Partial Plan)



PLAN - NORTH END
(Partial Plan)

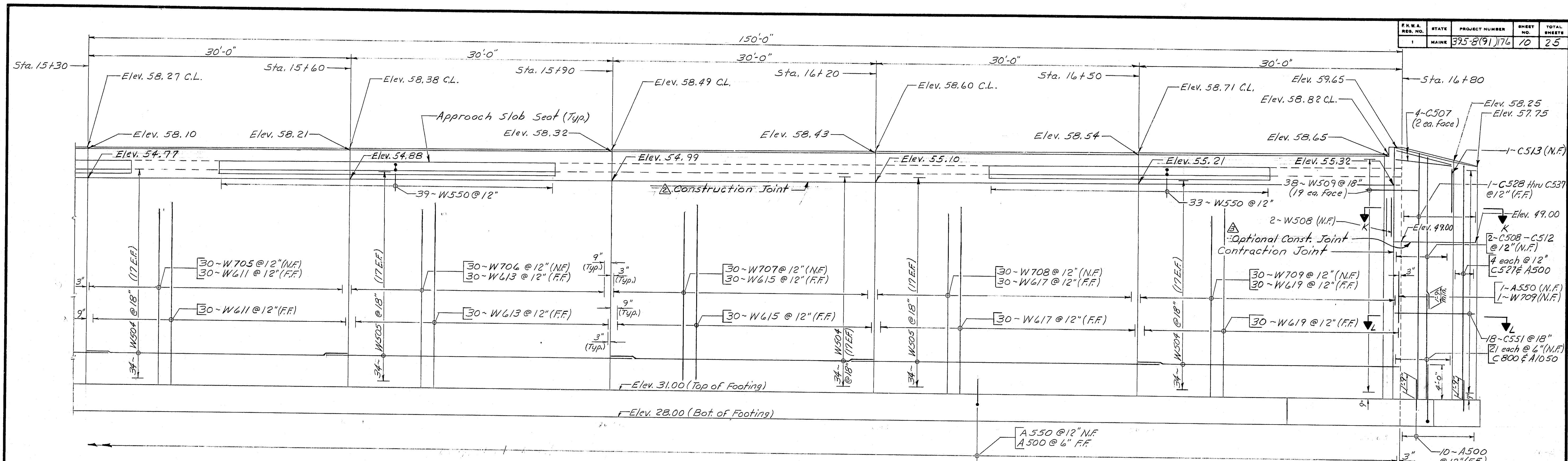
NOTE:
1 group of Set 'A' bars includes 2-S5950, 2-W501 & 1-S5951
1 group of Set 'B' bars includes 1-S5501, 1-S5502, 2-S5503 & 2-S5650.

References: For Section F-F see Sheet #12
For Section J-J see Sheet #13

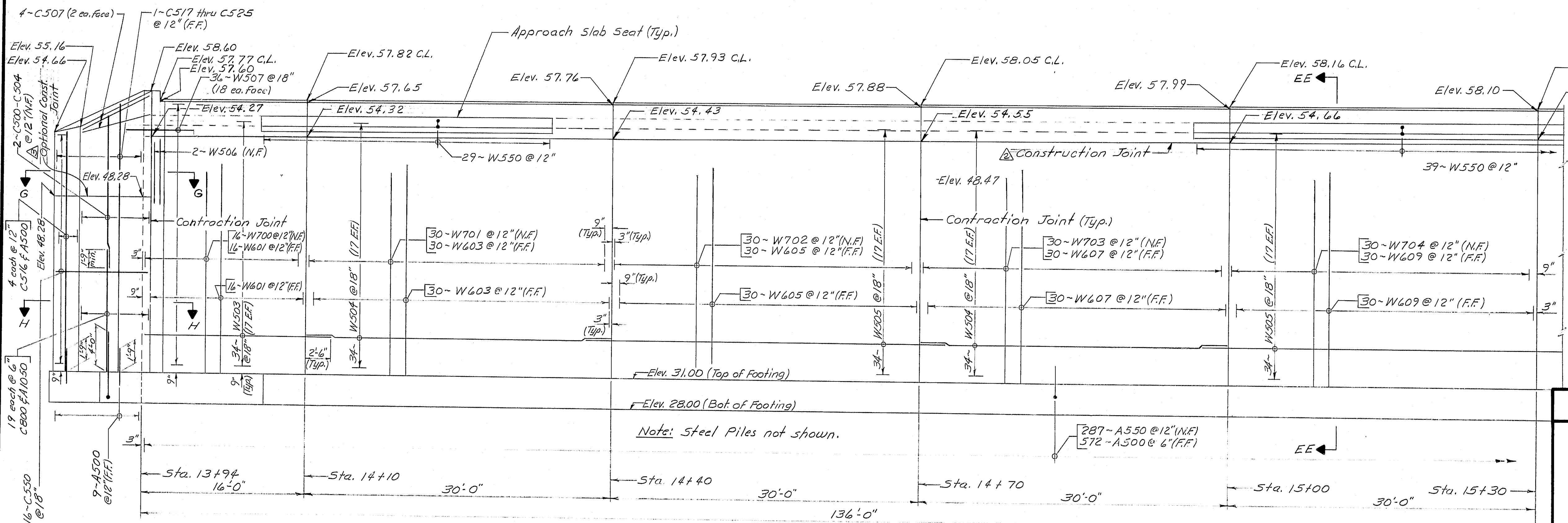
Reinforcing	5/8"
Sheet No.	5/8"
Revision	Date

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
RIGID FRAME-PLAN
SHEET 9 OF 25 AUGUSTA, MAINE March 84

R89-269



WEST WALL - SOUTH END
(PARTIAL ELEVATION)



WEST WALL - NORTH END
(PARTIAL ELEVATION)

References
 For Section G-G, see Sheet # 12
 For Section H-H, see Sheet # 12
 For Section K-K, see Sheet # 13
 For Section L-L, see Sheet # 13
 For Section EE-EE, see Sheet # 12A
 For Approach Slab Seat dimensions see "Rigid Frame Plan" on Sheet # 9

ABBREVIATIONS
 (N.F.) = Near Face
 (F.F.) = Far Face
 (C.L.) = Crown Line

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 I-395, RAMP 5M-3, 5M-4
 MAINE CENTRAL RAILROAD
 BUCKSPORT BRANCH
 BREWER

WEST WALL ELEVATION
 Rigid Frame

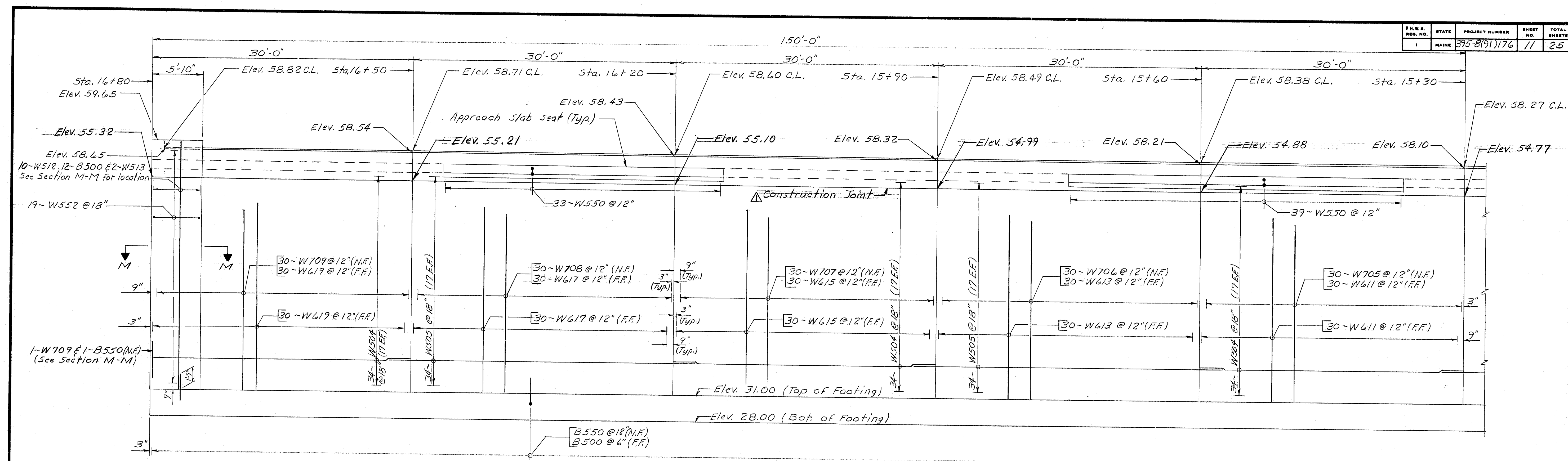
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Relocate Const. Jt.	5/84
Change Sht. No.	5/84
Revision	Date

R89-270

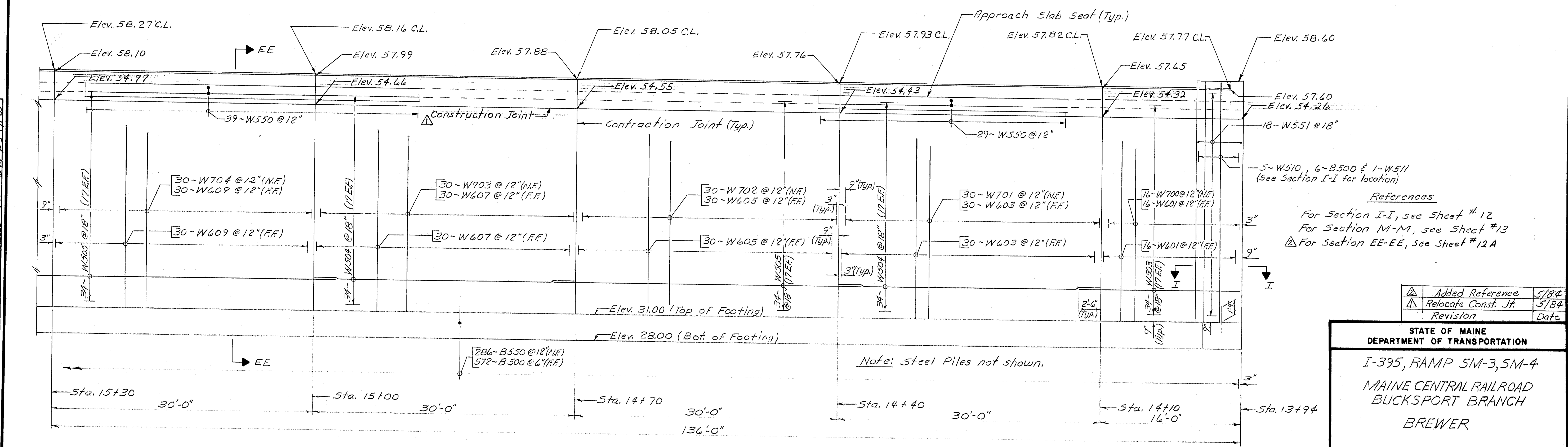
PROJECT DESIGN ENGINEER	DATE
BY	DES
CHECKED	REV
REVISIONS	1-84
FIELD CHANGES	2-84
PLANS	2-84

BRUNING 44-132 45710-1

F.R.W.A.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(91)176	11	25



EAST WALL - SOUTH END
(PARTIAL ELEVATION)



EAST WALL - NORTH END
(PARTIAL ELEVATION)

Added Reference	5/84
Relocate Const. Jt.	5/84
Revision	Date

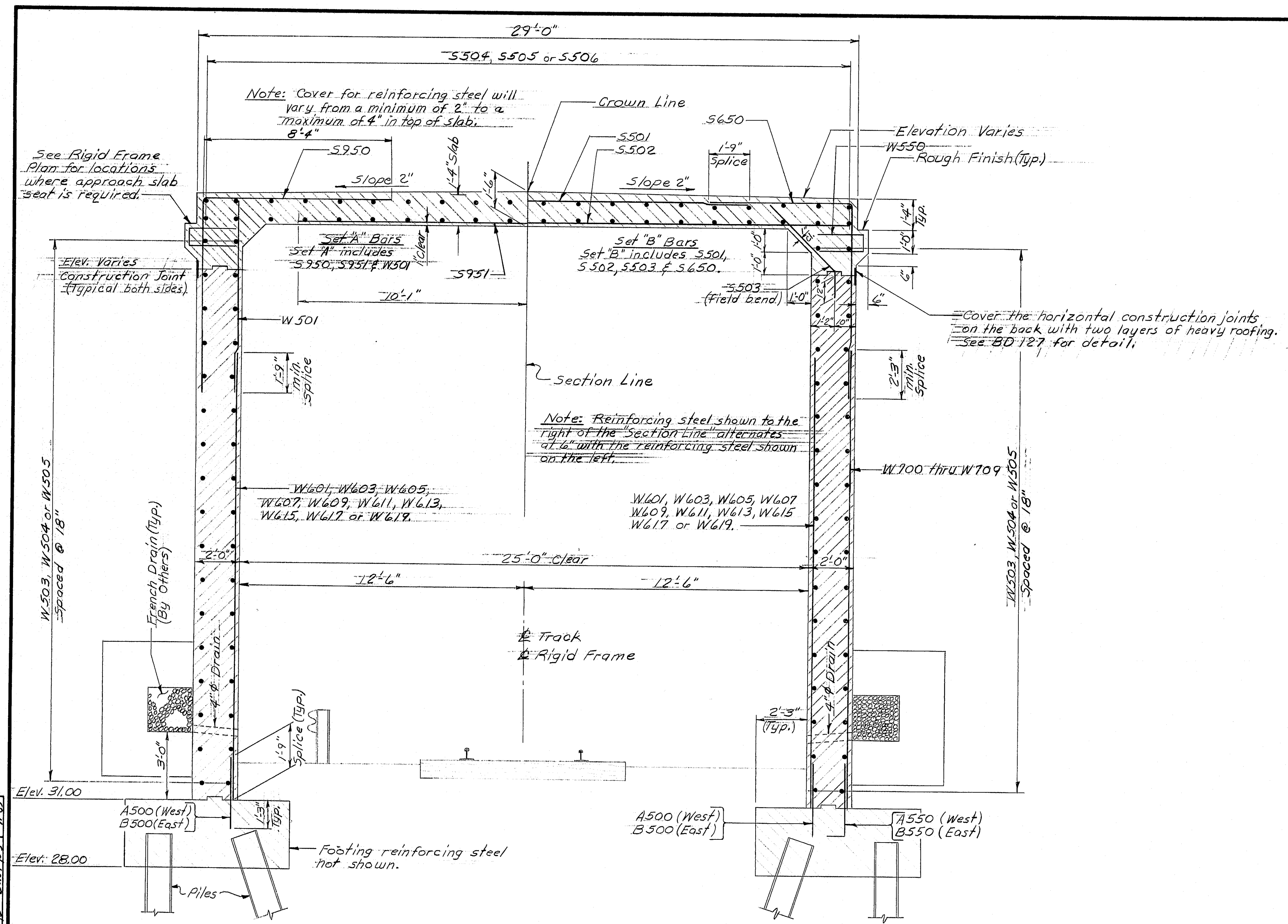
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
EAST WALL ELEVATION
RIGID FRAME
SHEET 11 OF 25 AUGUSTA, MAINE March 84

R89-271

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAIL	BAS	1/83
CHECKED	RVD	2-84
REVISIONS		
FIELD CHANGES	AS	2/83 1/84

BRUNING 44.22 47101

R.R. & STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	395-8(91)176	12A	



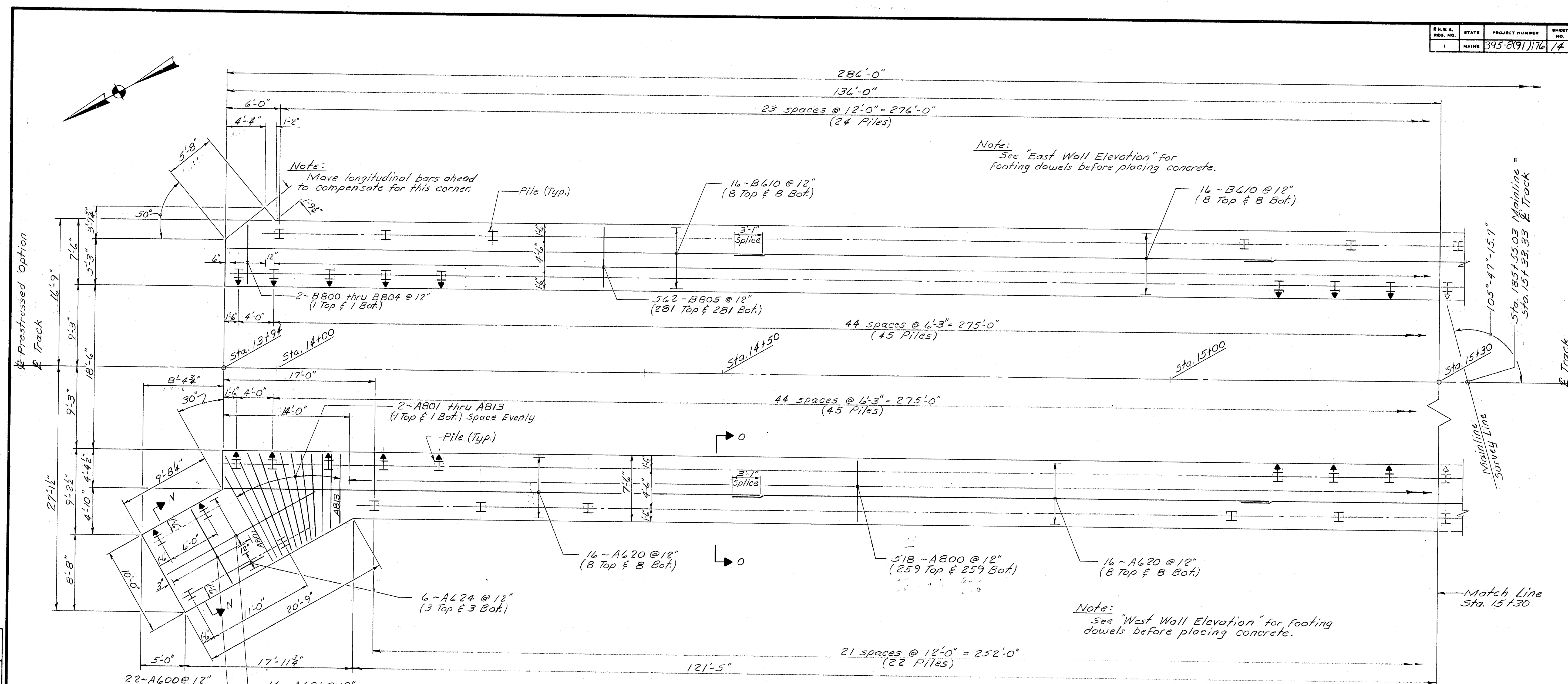
SECTION EE-EE

PROJECT DESIGN ENGINEER	DATE
BY	5-84
CHECKED	
REVISIONS	
FIELD CHANGES	

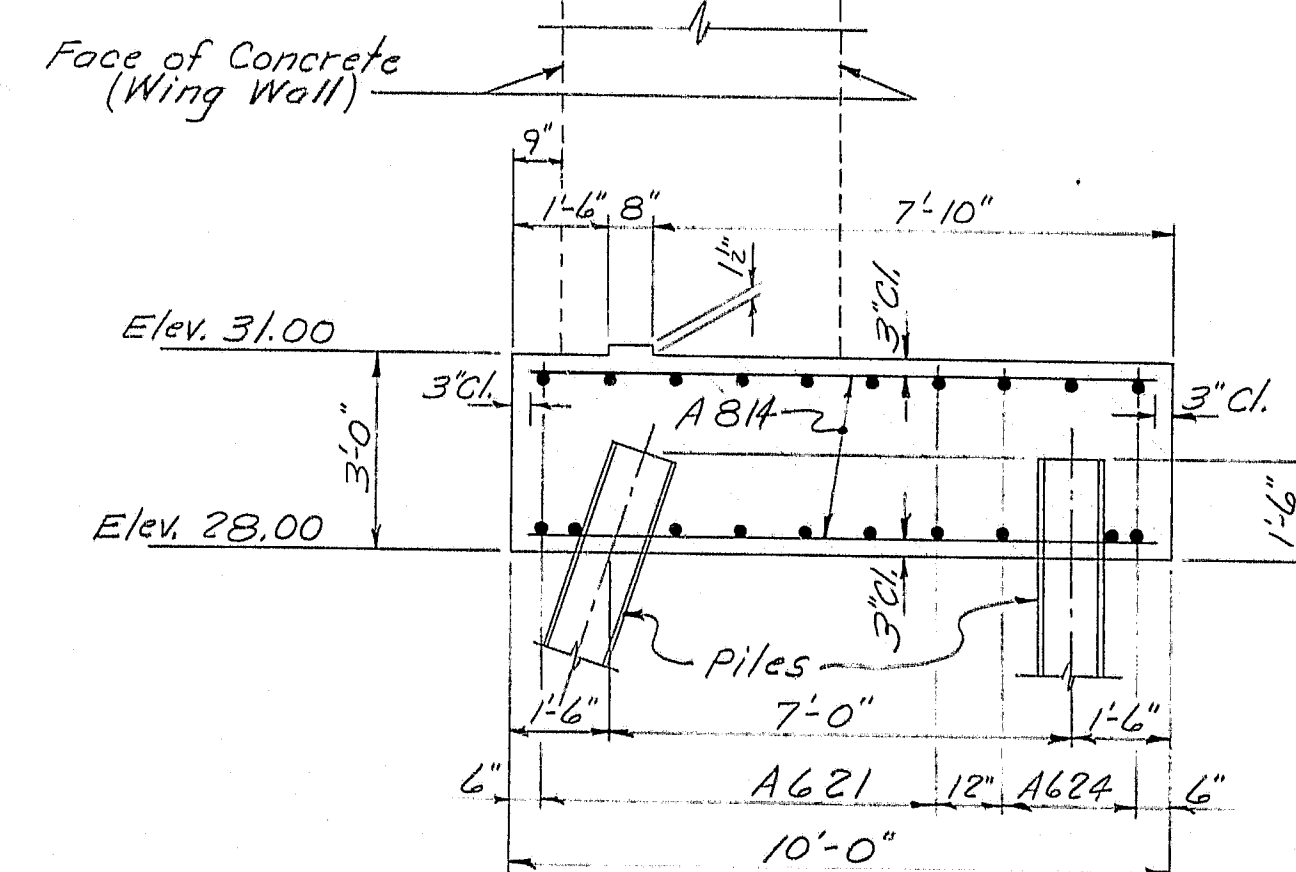
STATE OF MAINE DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD BUCKSPORT BRANCH
BREWER
REVISED SECTION EE-EE
PARIGID FRAME
SHEET 12A OF AUGUSTA, MAINE May 84

R89-273

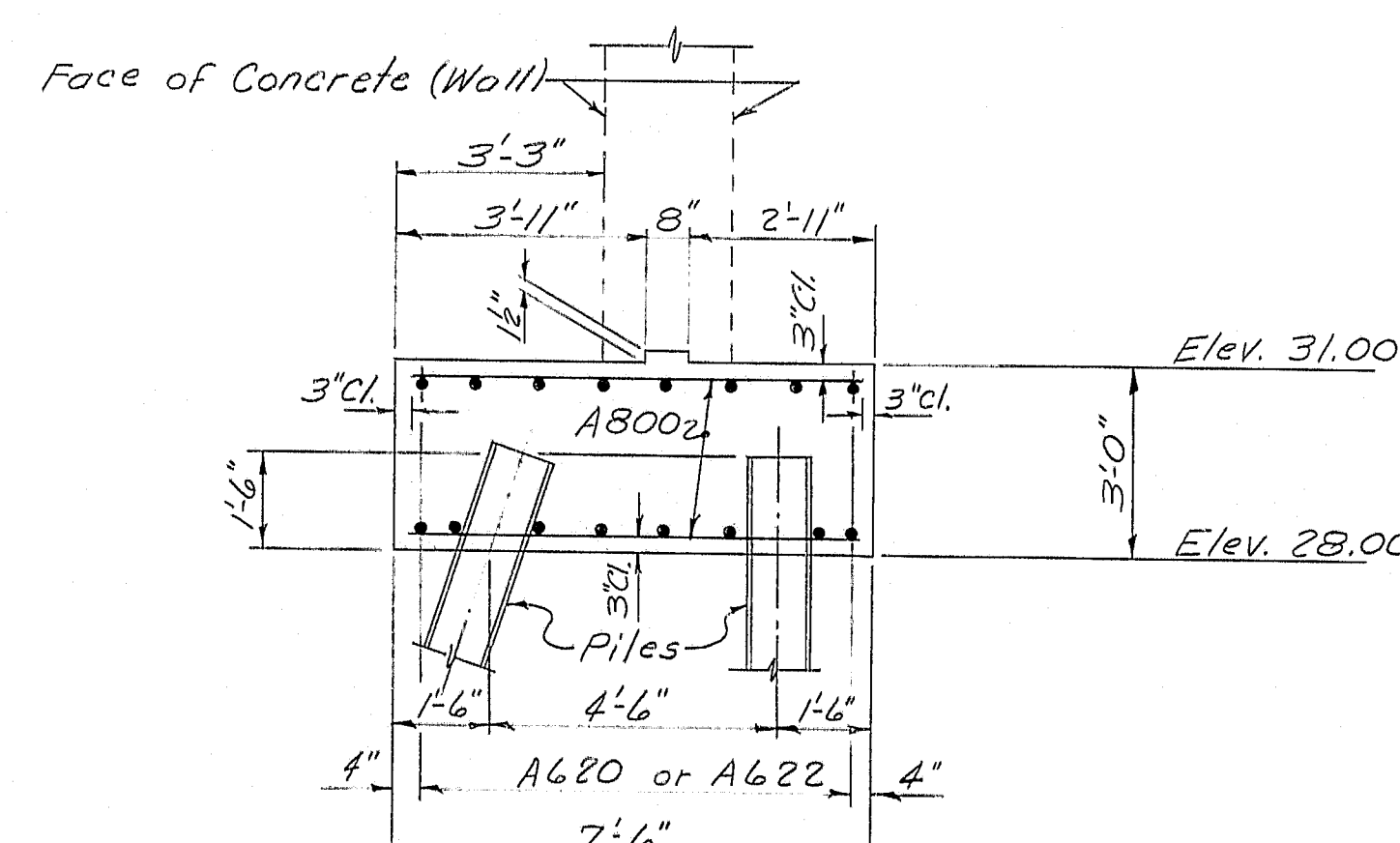
F.R.W.A. SHEET NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-2(91)176	14	25



FOOTING PLAN - NORTH END
(Partial Plan)



SECTION N-N



SECTION O-O

PILE NOTES

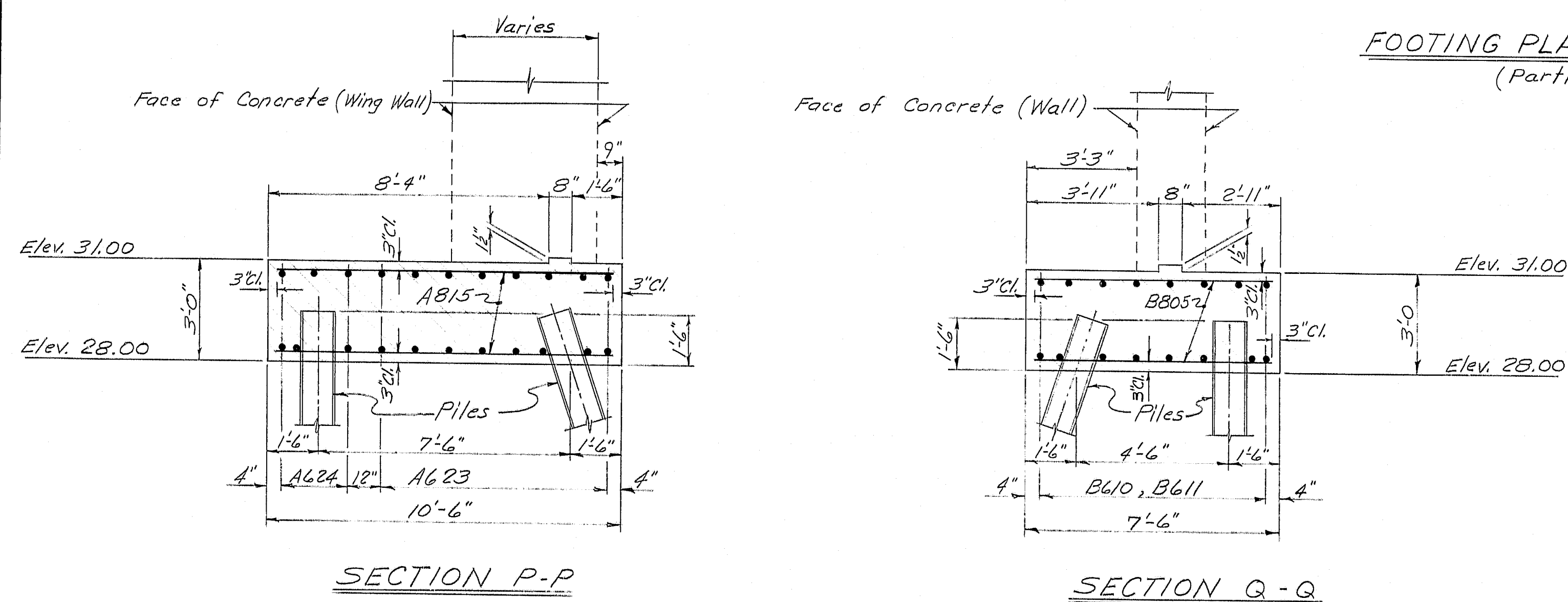
- Piles marked thus \rightarrow , shall be battered 4 inches per foot in the direction of the arrow.
- Maximum calculated pile loads: 118 Tons
- Estimate of piles required:
West Footing: 77-HP 14x89 @ 20 feet
East Footing: 71-HP 14x89 @ 22 feet
- Estimated driven lengths of piles are determined from available soils information with no allowance for uncertain pile penetration.
- HP 13x87 bearing piles may be substituted for HP 14x89 bearing piles at the option of the Contractor.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER

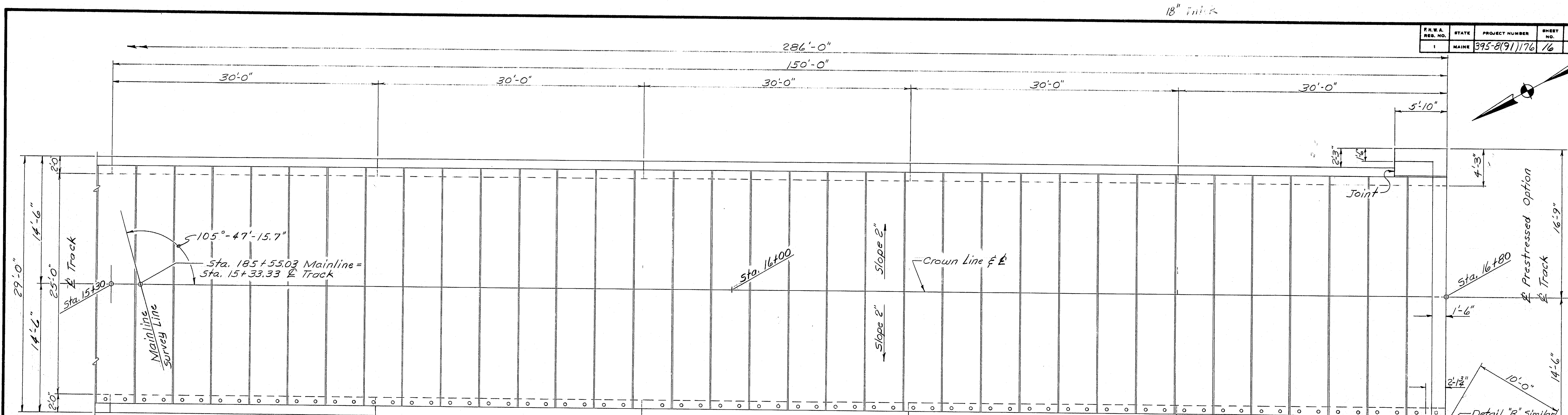
FOOTING PLAN - NORTH END
PRESTRESSED OPTION
SHEET 14 OF 25 AUGUSTA, MAINE March 84

R89-275

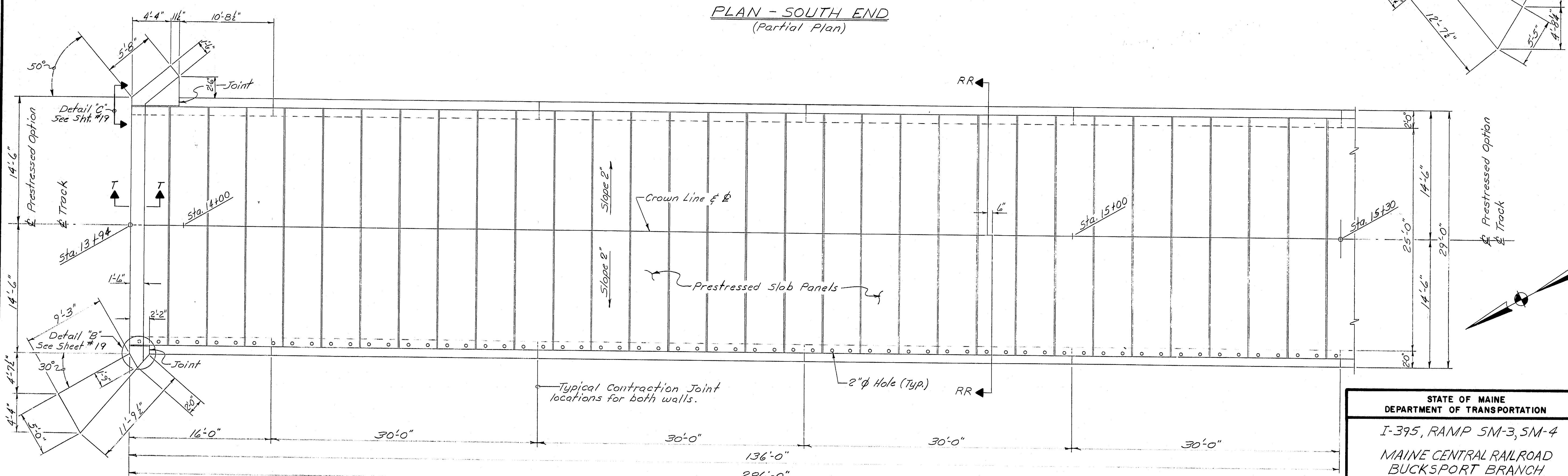
RUNING 44-132 45710-1

R89-276

F.R.W.A. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(91)176	16	25



PLAN - SOUTH END
(Partial Plan)



PLAN - NORTH END
(Partial Plan)

References
For Prestressed Slab Panel Details - See Sht. # 21

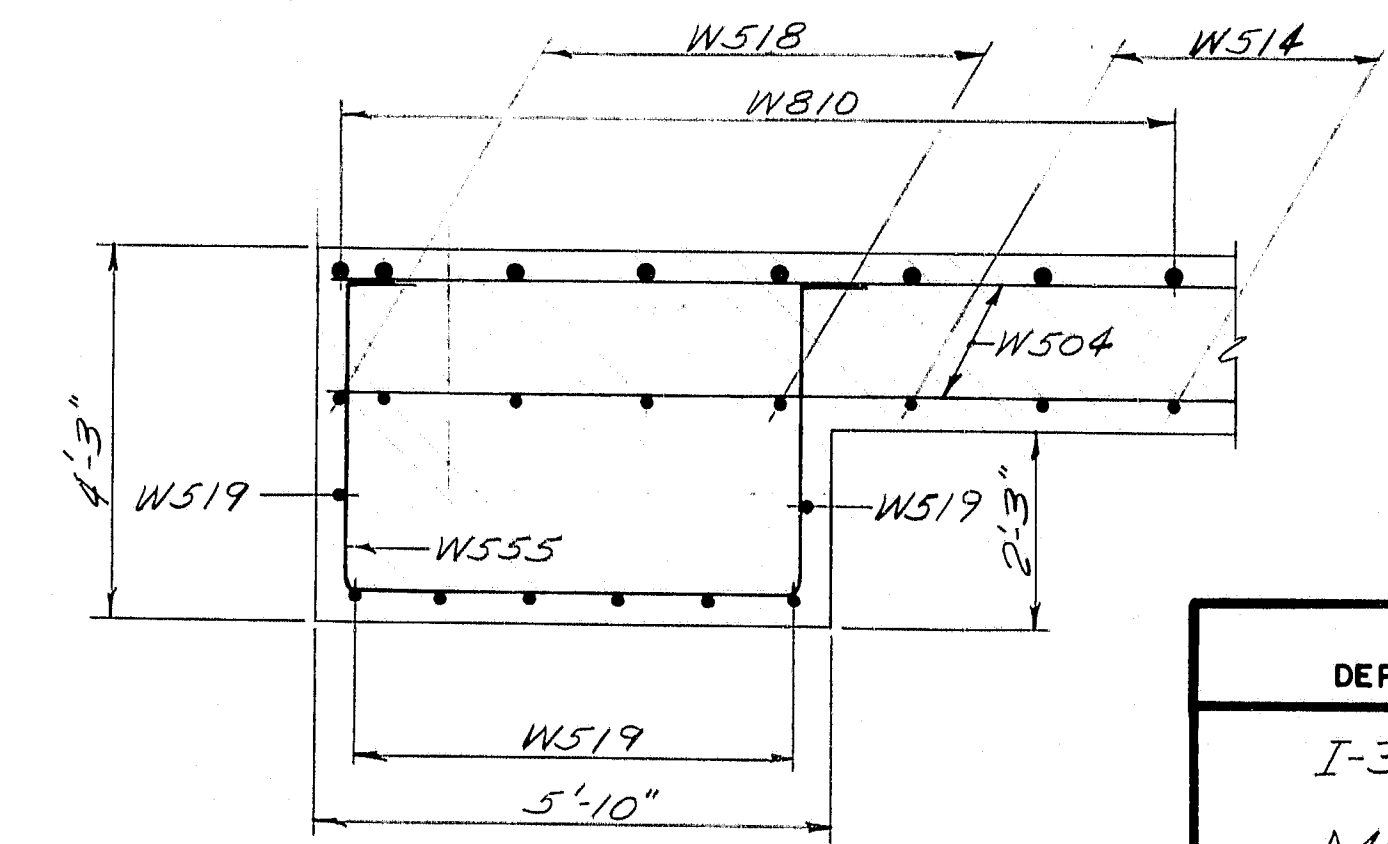
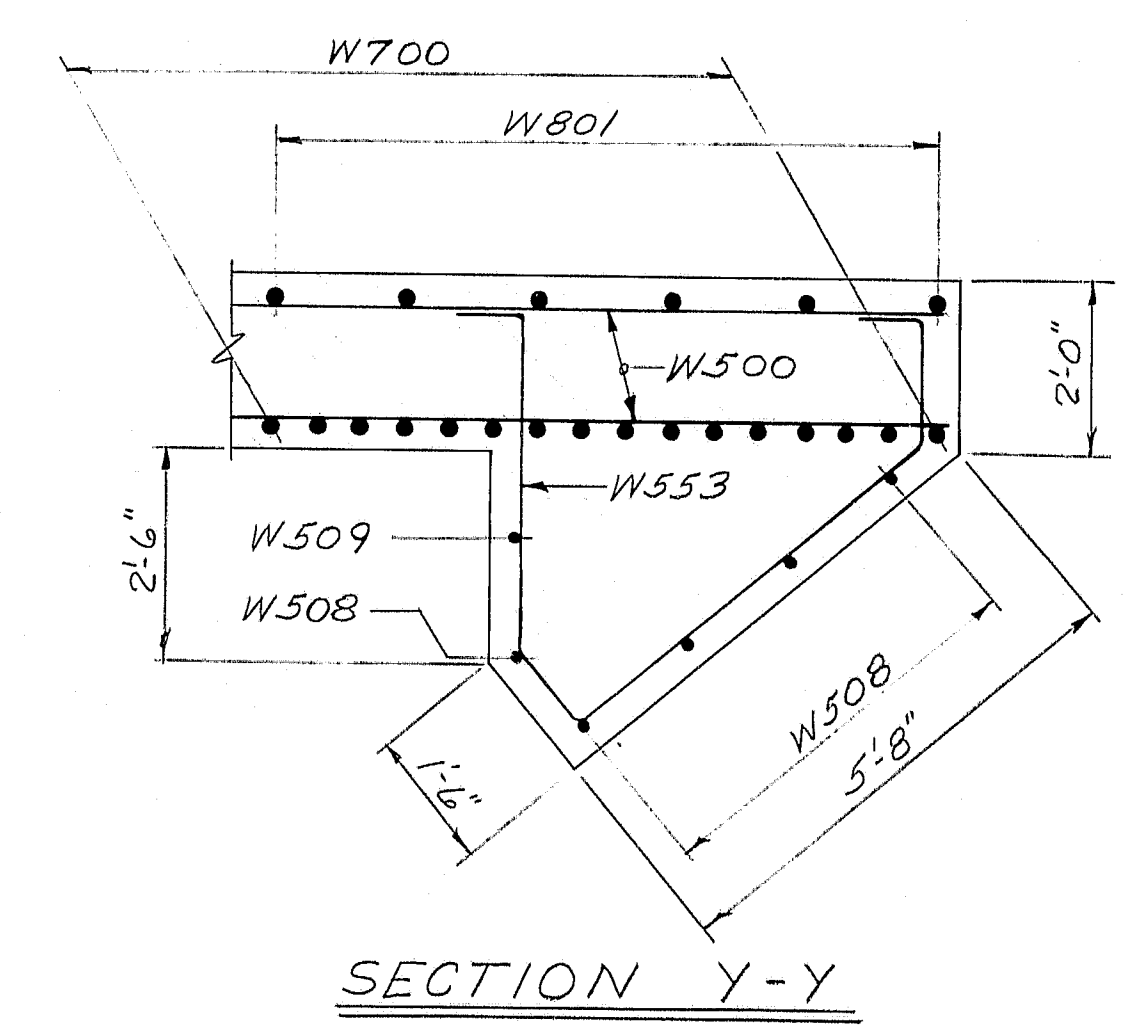
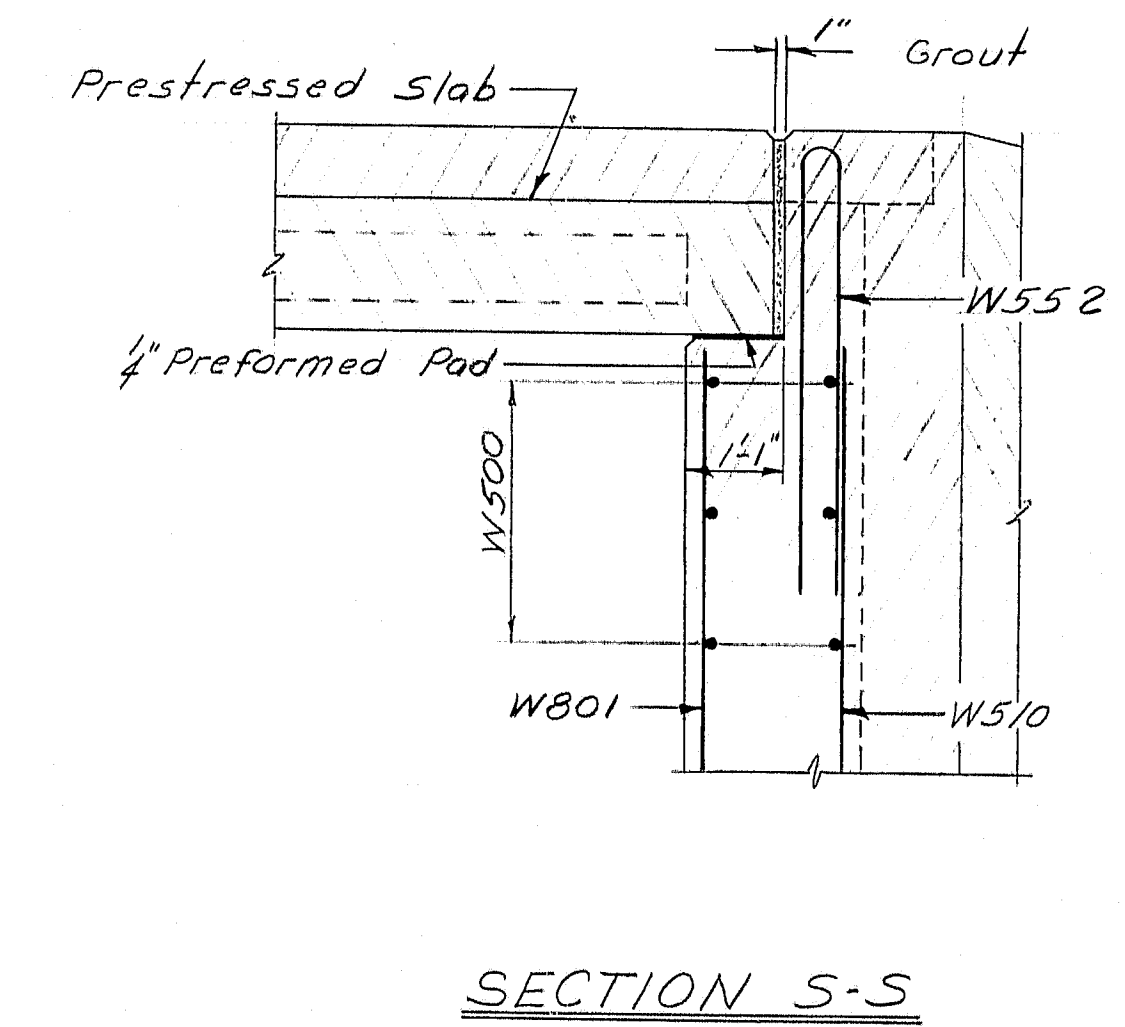
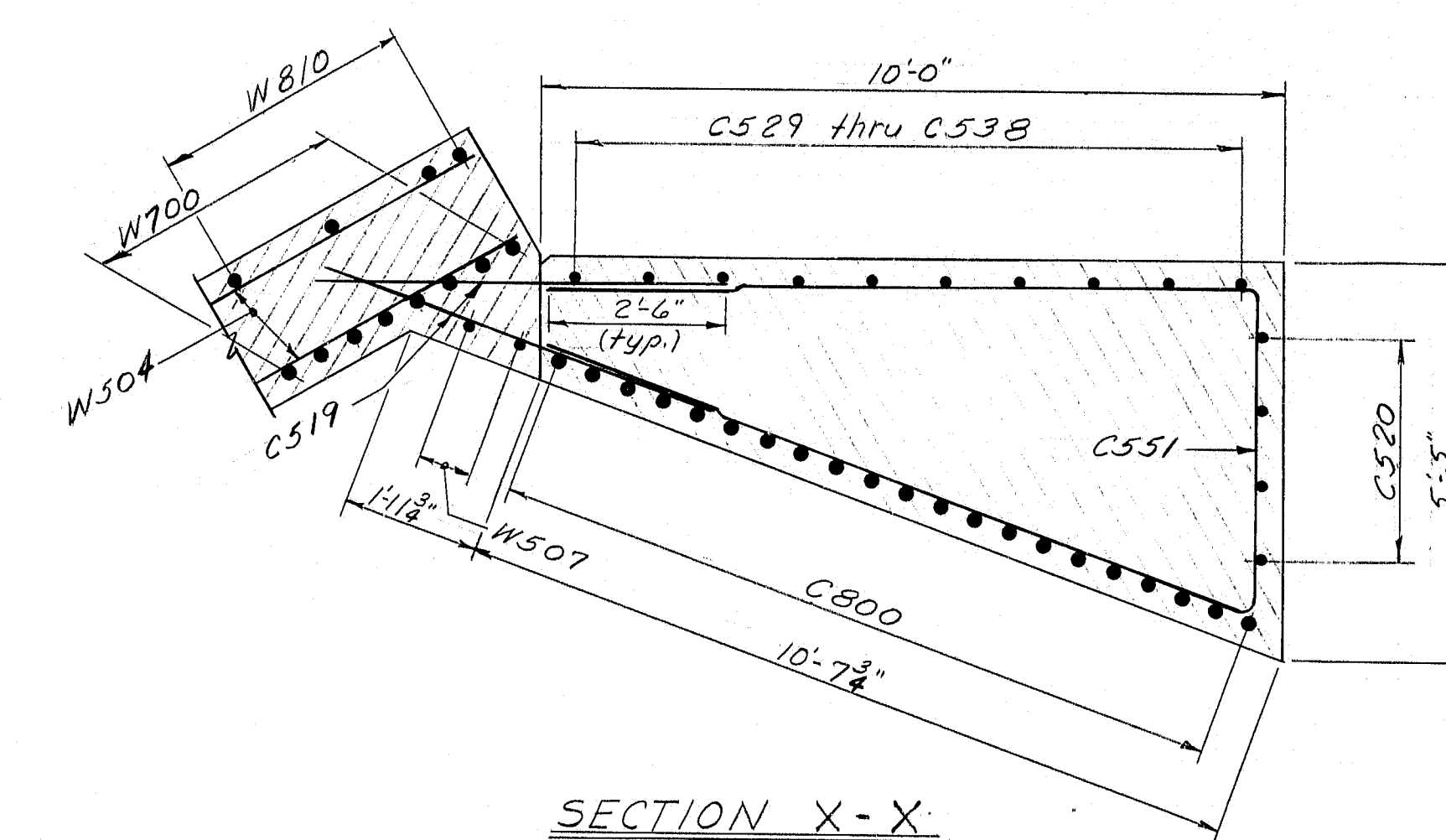
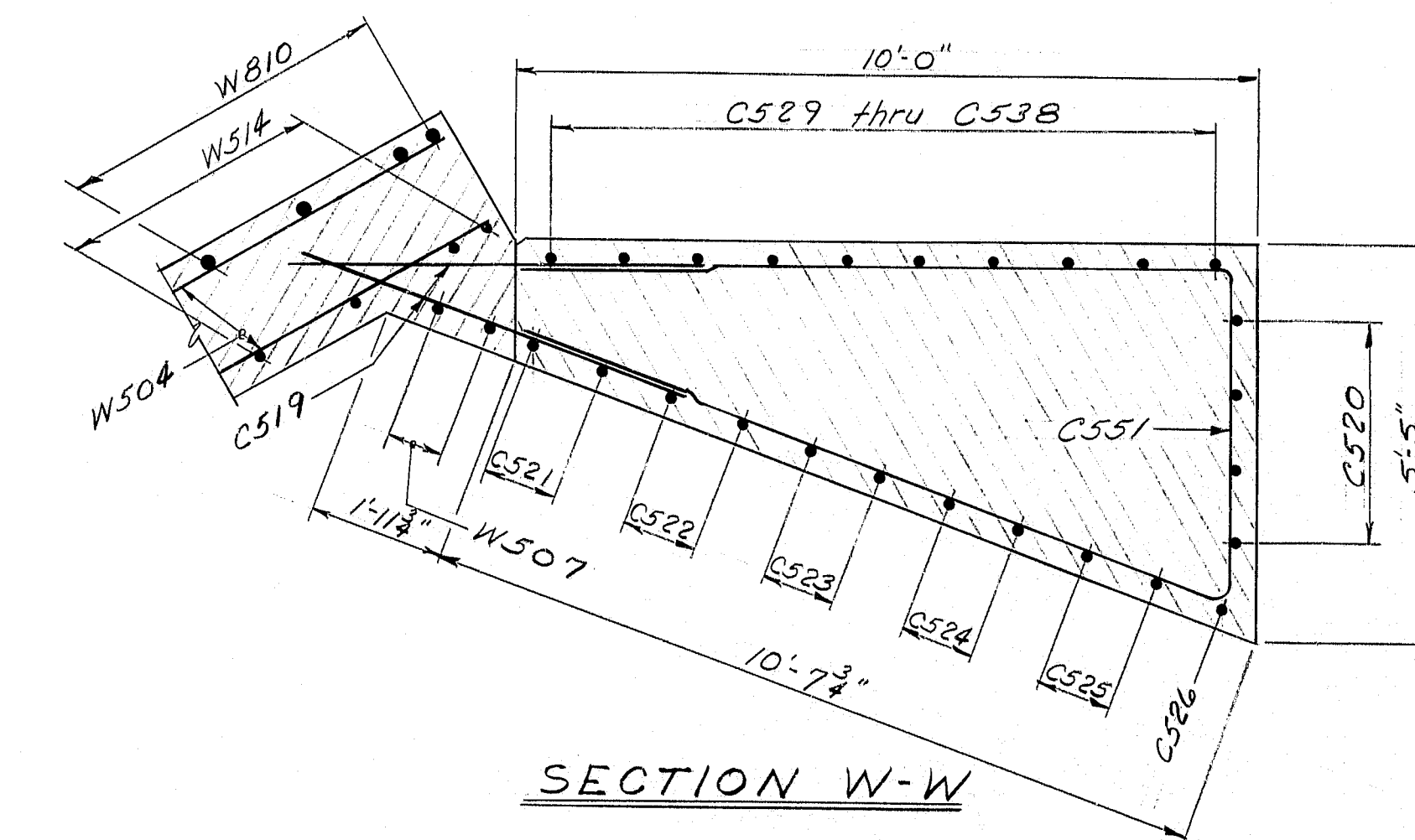
R89-277

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
PRESTRESSED OPTION - PLAN
SHEET 16 OF 25 AUGUSTA, MAINE March 84

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED	BAS	11/83
CHECKED	RVD	1-84
REVISIONS		
FIELD CHANGES		

BRUNING 44-28-8710-1

F.R.A. DES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(91)176	20	25



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER
SECTIONS
PRESTRESSED OPTION
SHEET 20 OF 25 AUGUSTA, MAINE March 84

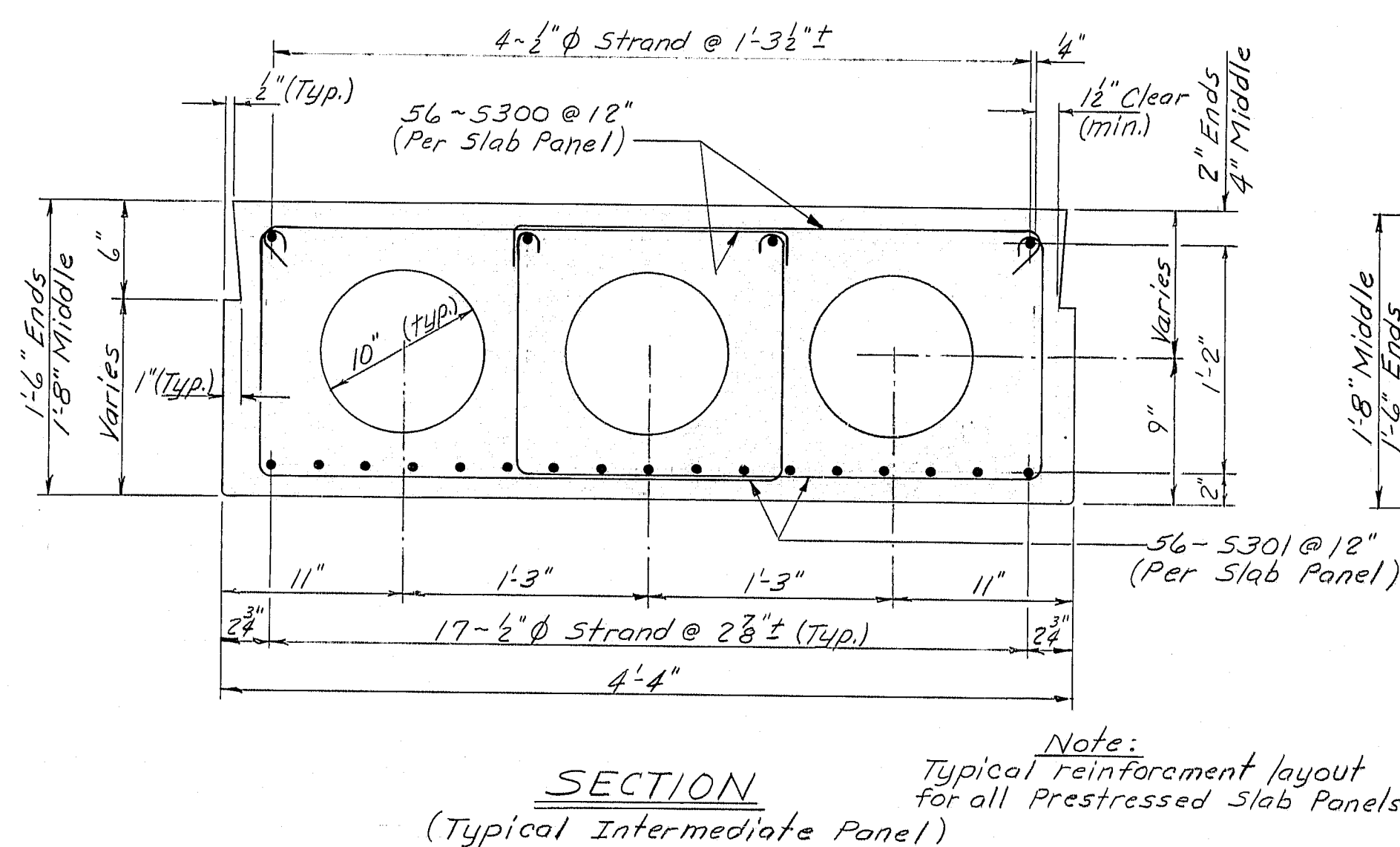
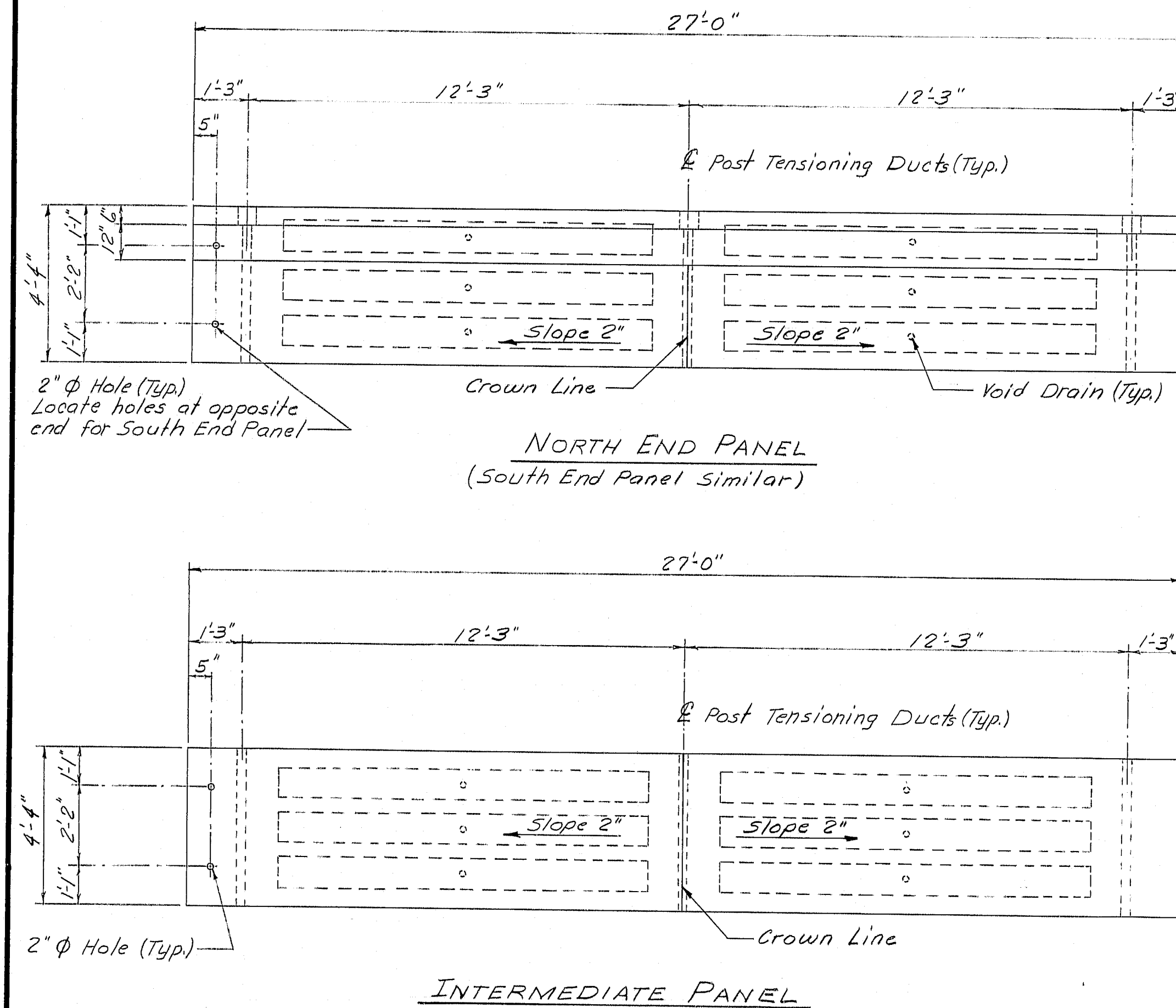
R89-281

PROJECT DESIGN ENGINEER	BY	DATE
PLANS	DESIGN-DETAILED REVISED REVISIONS FIELD CHANGES	1/23 2-84

BRUNING 44-132 457101

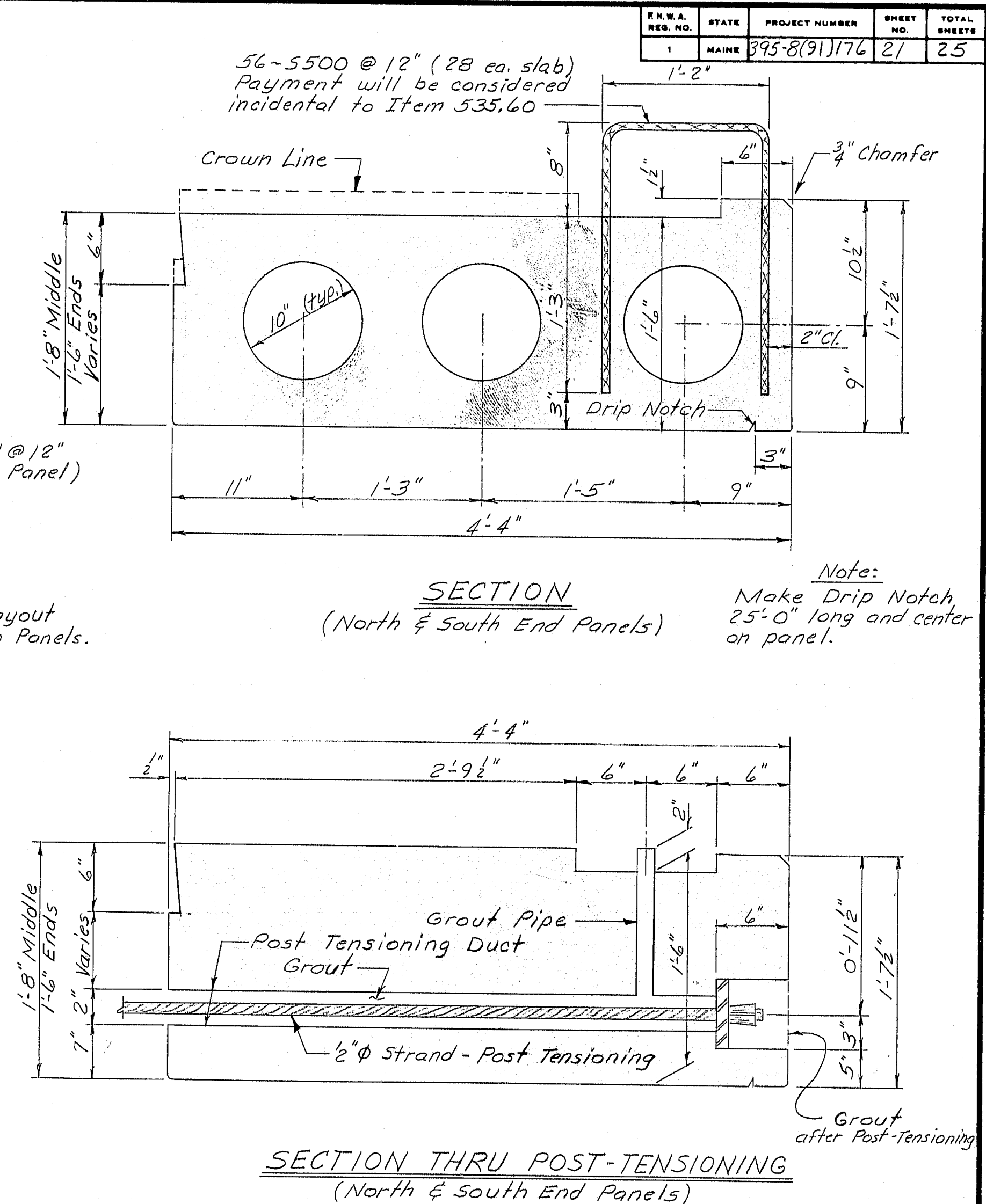
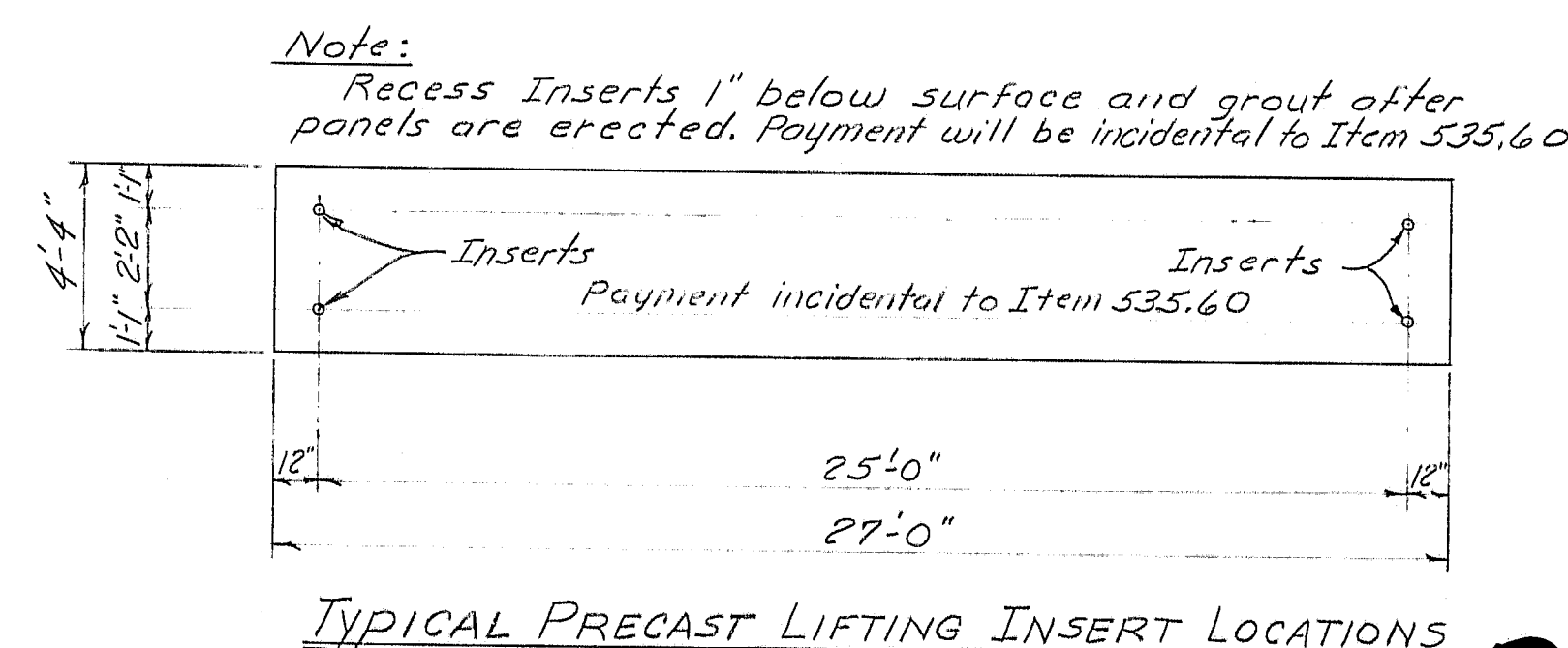
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAIL	BAS	11-83
CHECKED	REV	1-84
REVISIONS		
FIELD CHANGES		
PLANS		

BRUNING 44132 45710-1



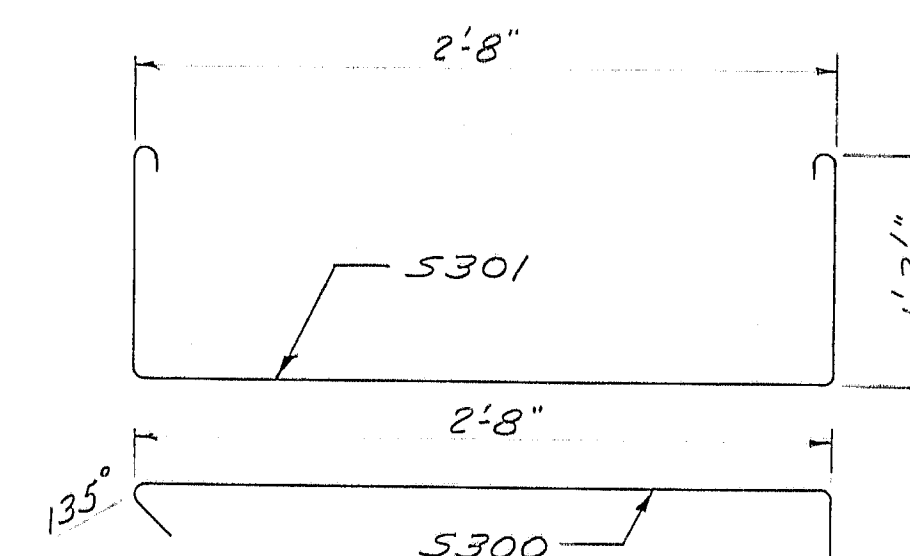
PRESTRESSED SLAB NOTES

1. A substituted width of voided prestressed slab panel may be used as approved by the Engineer.
2. The prestressed slab panels shall be placed and laterally post tensioned in a manner such that a minimum of one slab panel in a previously post tensioned group of slab panels shall be used to anchor the next group of slab panels to be post tensioned. In no case shall a group be made up of more than 6 slab panels.
3. At the Contractor's option a method of using threaded 5/8" diameter post tensioning bars may be used subject to approval of the Engineer.
4. All post tensioning ducts shall be accessible by grout pipes, and all post tensioning ducts shall be completely filled with grout after post tensioning is complete. Payment incidental to Item 535.60.
5. See Detail "c" on sheet #19 for additional chamfers required on end panels.
6. Grout post tensioning holes in end panels, after post tensioning is complete, and rub to a smooth finish compatible with surrounding concrete.
7. Sealant of end of Prestressed Slab Panels shall conform to requirements of Subsection 714.04 of the Standard Specifications. Payment will be considered incidental to related contract items.
8. The Post Tensioning Ducts may be Galvanized Metal or Polyvinylchloride as approved by the Engineer.



SPECIFICATIONS

$f'_c = 5000 \text{ psi}$
 $f_{ci} = 4000 \text{ psi}$
 $P_i = 28.9 \text{ k/strand}$
 $P.T. \text{ Initial } 1000 \text{ k}$
 $P.T. \text{ Final } 15,000 \text{ k}$
 $LL \text{ HS } 25 \text{ (As Modified for Interstate)}$
 $\text{Reinforcement} - 60,000 \text{ psi ASTM A615}$
 $\text{Bearing surface} - 1/4" \text{ Preformed Pads}$
 $\text{Strand} - 1/2" \phi 270 \text{ ksi}$



Payment for 5300 & 5301 will be considered incidental to Item 535.60

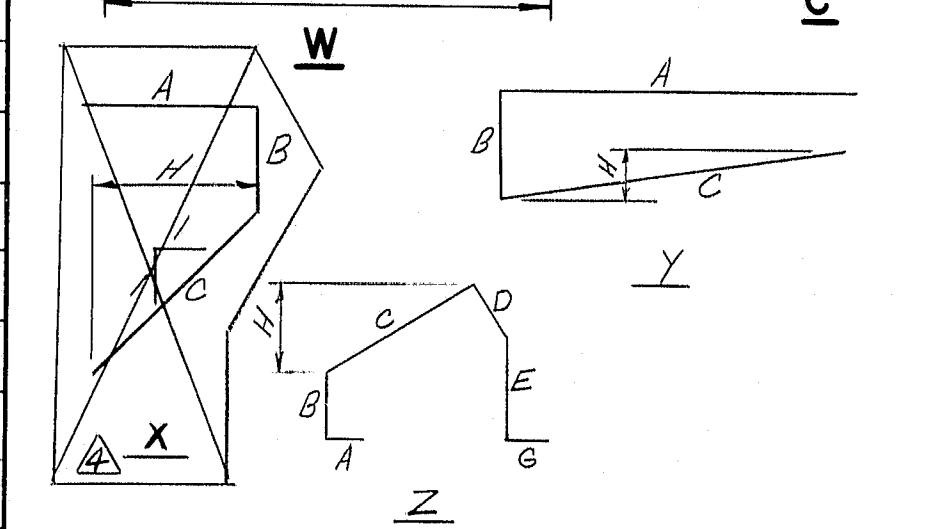
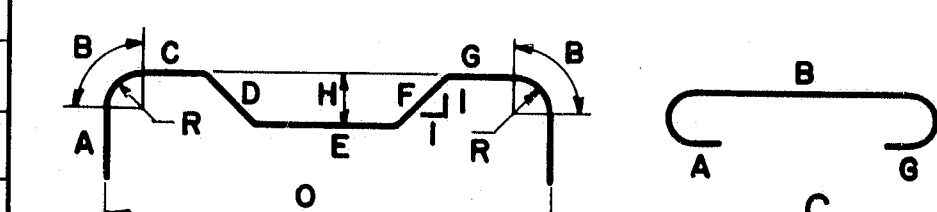
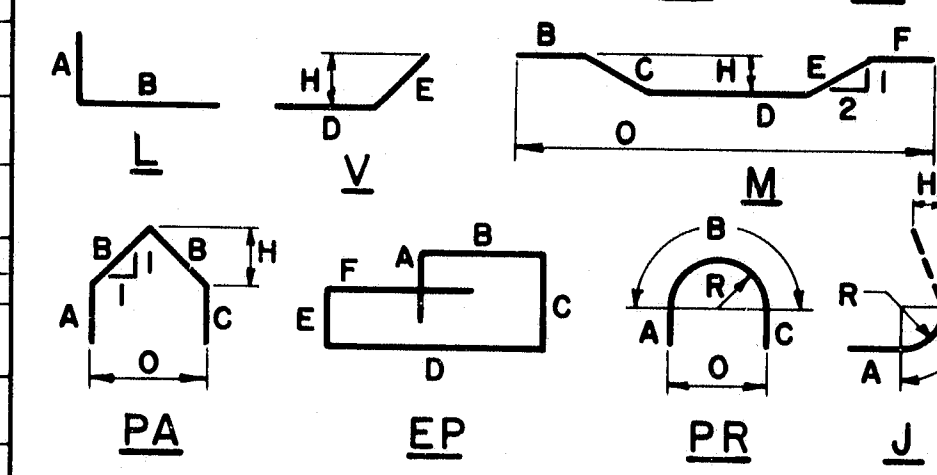
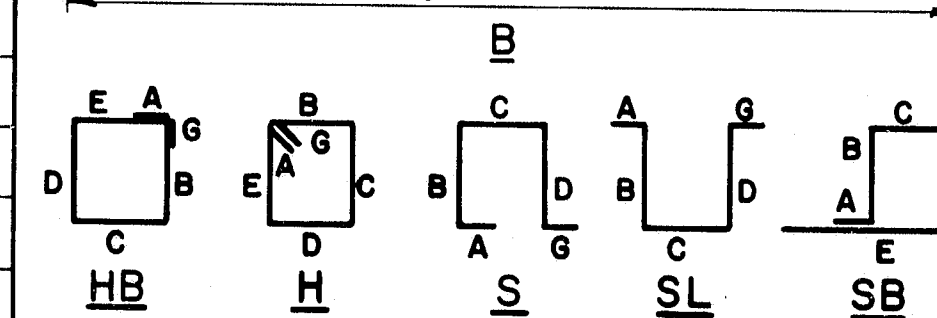
R89 - 282

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
I-395, RAMP SM-3, SM-4 MAINE CENTRAL RAILROAD BUCKSPORT BRANCH BREWER
PRESTRESSED SLAB DETAILS PRESTRESSED OPTION SHEET 21 OF 25 AUGUSTA, MAINE March 84

REINFORCING STEEL SCHEDULE																											
STRAIGHT BARS												BENT BARS															
MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	
		<u>WEST FOOTING</u>				<u>WALL BARS</u>				<u>WING WALLS</u>				<u>WEST FOOTING</u>													
A500	599	3'-0"	Dowels	W512	10	28'-6"	Wing - Vertical	C500	2	14'-4"	Vertical	A550	287	3'-9"	L	0'-9"	3'-0"										Dowels
				W513	2	27'-6"	do	C501	2	15'-0"																	
A600	30	16'-3"	Transverse					C502	2	15'-9"																	
A601	22	9'-6"	Longitudinal					C503	2	16'-5"		A1050	40	8'-6"	L	1'-10"	6'-8"										Dowels - Wing Walls
A602	524	6'-9"	Transverse					C504	2	17'-2"																	
A603	4	7'-9"		W601	64	19'-3"	Vertical																				
A604	4	8'-0"										B550	287	3'-9"	L	0'-9"	3'-0"										Dowels
A605	4	8'-6"		W603	120	19'-4"	Vertical	C507	8	9'-10"	Horizontal - Wings																
A606	4	9'-0"						C508	2	18'-2"	Vertical	W550	280	5'-0"	S	-	2'-2"	0'-8"	2'-2"								
A607	4	9'-6"		W605	120	19'-5"	Vertical	C509	2	17'-11"		W550	280	5'-0"	X	2'-4"	6'-8"	2'-0"									Approach Slab Seat
A608	4	9'-9"						C510	2	17'-8"		W551	18	12'-9"	Z	0'-6"	1'-6"	5'-2"	1'-2"	3'-11"			0'-6"	3'-4"			Approach Slab Seat
A609	4	10'-3"		W607	120	19'-7"	Vertical	C511	2	17'-5"		W552	19	15'-4"	S	0'-6"	4'-6"	5'-4"	4'-6"				0'-6"				Wing - Horizontal
A610	4	10'-9"						C512	2	17'-1"																	do
A611	4	11'-3"		W609	120	19'-8"	Vertical	C513	1	16'-11"																	
A612	4	11'-9"																									
A613	4	12'-6"		W611	120	19'-9"	Vertical					5550	64	9'-1"	SB	2'-5"	1'-2"	1'-2"	1'-11"	2'-5"							Slab - Both Ends
A614	56	60'-0"	Longitudinal									5551	1	33'-3"	V									3'-10"			Slab - North End
A615	14	58'-0"		W613	120	19'-11"	Vertical					5552	1	34'-3"	V									4'-2 1/2"			do
A616	12	22'-0"						C516	4	23'-6"	Vertical	5553	1	37'-3"	L	5'-6"	31'-9"										Slab - South End
A617	22	10'-0"	Transverse	W615	120	20'-0"	Vertical																				

FHWA REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEET
1	MAINE	395-8(85)/176	22	25

A diagram of a sawtooth wave. The wave starts at a low level labeled 'B', rises linearly to a peak labeled 'E1', and then falls linearly to a low level labeled 'D1'. This pattern repeats: from 'D1' it rises to 'E1', falls to 'D2', rises to 'E2 etc.', and falls to 'D3 etc.'. The rising segments are labeled 'C' and the falling segments are labeled 'C'. A horizontal line segment at the peak is labeled 'H', and a vertical line segment at the trough is labeled 'O'. The wave continues with 'F' at the end of a rising segment.



All dimensions are out to out of reinf. bar
Bending details and hooks shall conform to
the recommendations of the current revision
of ACI Standard 318. **Δ**
Reinforcing Bar: ASTM A615 Grade 60

1. First digit(s) following the letter of the Mark indicates size of reinforcement bar.
 Mark (A 502) bar size = #5
 Mark (P 1001) bar size = #10
 Mark (S 603) bar size = #6
2. Each truss bar, Type B, may be replaced by two (2) straight bars (one top & one bottom) of the same bar size as the truss bar. Payment in either case shall be based on truss bars as scheduled on plans.

2	AS 4001	11/85
4	Voided Bending Detail X	5/84
3	Added S951 Bars	5/84
2	Revised S950 and W550 Bars	5/84
1	Revised ACI Standard	5-12-8

REVISIONS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

I-395, RAMP SM-3, SM-4

MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH

BREWER

REINFORCING STEEL SCHEDULE

RIGID FRAME
SHEET 22 OF 25 AUGUSTA, MAINE March 84

R89-283

REINFORCING STEEL SCHEDULE																											
STRAIGHT BARS												BENT BARS															
MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	
		<u>WEST FOOTING</u>				<u>WALL BARS</u>				<u>WING WALLS</u>								<u>WEST FOOTING</u>									
A500	219	3'-0"	Dowels	W500	68	18'-4"	North End - Horiz.	C500	4	23'-6"	Vertical	A750	572	7'-0"	L	1'-3"	5'-9"										Dowels
				W501	2	16'-2"	do	C501	2	14'-2"																	
A800	518	7'-0"	Transverse	W502	296	29'-10"	Horizontal	C502	2	14'-11"		A1050	40	8'-6"	L	1'-10"	6'-8"										Dowels - Wing Wall
A801	4	10'-9"		W503	296	35'-0"		C503	2	15'-7"																	
A802	4	12'-9"		W504	72	29'-9"		C504	2	16'-4"																	
A803	4	12'-6"		W505	2	27'-8"		C505	2	17'-2"								<u>EAST FOOTING</u>									
A804	4	12'-0"		W506	2	27'-5"	Wing Vertical					B750	572	7'-0"	L	1'-3"	5'-9"									Dowels	
A805	4	11'-6"		W507	2	27'-5"																					
A806	4	11'-0"		W508	5	27'-5"		C508	4	9'-4"	Wing - Horiz.																
A807	4	10'-6"		W509	1	26'-7"		C509	1	23'-10"	Vertical							<u>WALL BARS</u>									
A808	4	10'-0"		W510	58	19'-0"	Vertical	C510	1	24'-3"																	
A809	4	9'-6"		W511	80	19'-3"		C511	1	24'-8"		W550	557	5'-8"	S	-	2'-6"	0'-8"	2'-6"							Top of Wall	
A810	4	9'-3"		W512	80	19'-6"		C512	1	25'-1"																	
A811	4	8'-9"		W513	80	19'-9"		C513	1	25'-6"		W552	6	9'-8"	PR	4'-6"	0'-8"	4'-6"								West Wall - Top	
A812	4	8'-4"		W514	77	19'-11"		C514	1	25'-11"		W553	17	12'-11"	Z	0'-6"	1'-8"	5'-2"	1'-2"	3'-11"				0'-6"	3'-4"	Wing - Horiz.	
A813	4	7'-9"		W515	4	20'-5"		C515	1	26'-4"		W554	1	13'-0"	H	0'-6"	4'-10"	1'-2"	4'-10"	1'-2"				0'-6"		Wing - Top	
A600	22	9'-6"		W516	2	13'-2"	Horiz. Top	C516	1	26'-9"		W555	18	13'-10"	S	0'-6"	3'-9"	5'-4"	3'-9"					0'-6"		Wing - Horiz.	
A601	22	10'-0"		W517	2	24'-0"	do	C517	1	27'-2"		W556	1	13'-8"	H	0'-6"	1'-0"	5'-4"	1'-0"	5'-4"				0'-6"		do	
				W518	5	21'-5"	Wall Vertical	C518	4	9'-9"	Wing Horiz.	W557	2	13'-9"	Z	4'-10"	0'-2"	5'-2"	1'-2"	2'-5"				-	3'-4"	Wing - Horiz.	
A620	64	60'-0"	Longitudinal	W519	8	28'-6"	Wing Vertical	C519	70	5'-6"	Wings - Horiz.	W558	2	16'-6"	H	0'-6"	5'-4"	2'-5"	5'-4"	2'-5"				0'-6"		Wing - Horiz.	
A621	14	18'-9"						C520	4	26'-8"	Vertical	W559	1	7'-10"	H	0'-6"	1'-0"	2'-5"	1'-0"	2'-5"				0'-6"		do	
A622	16	58'-0"		W52																							

FHWA RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(91)176	23	25

Bending details and hooks shall conform to the recommendations of ACI Standard 315-65.

GENERAL NOTES

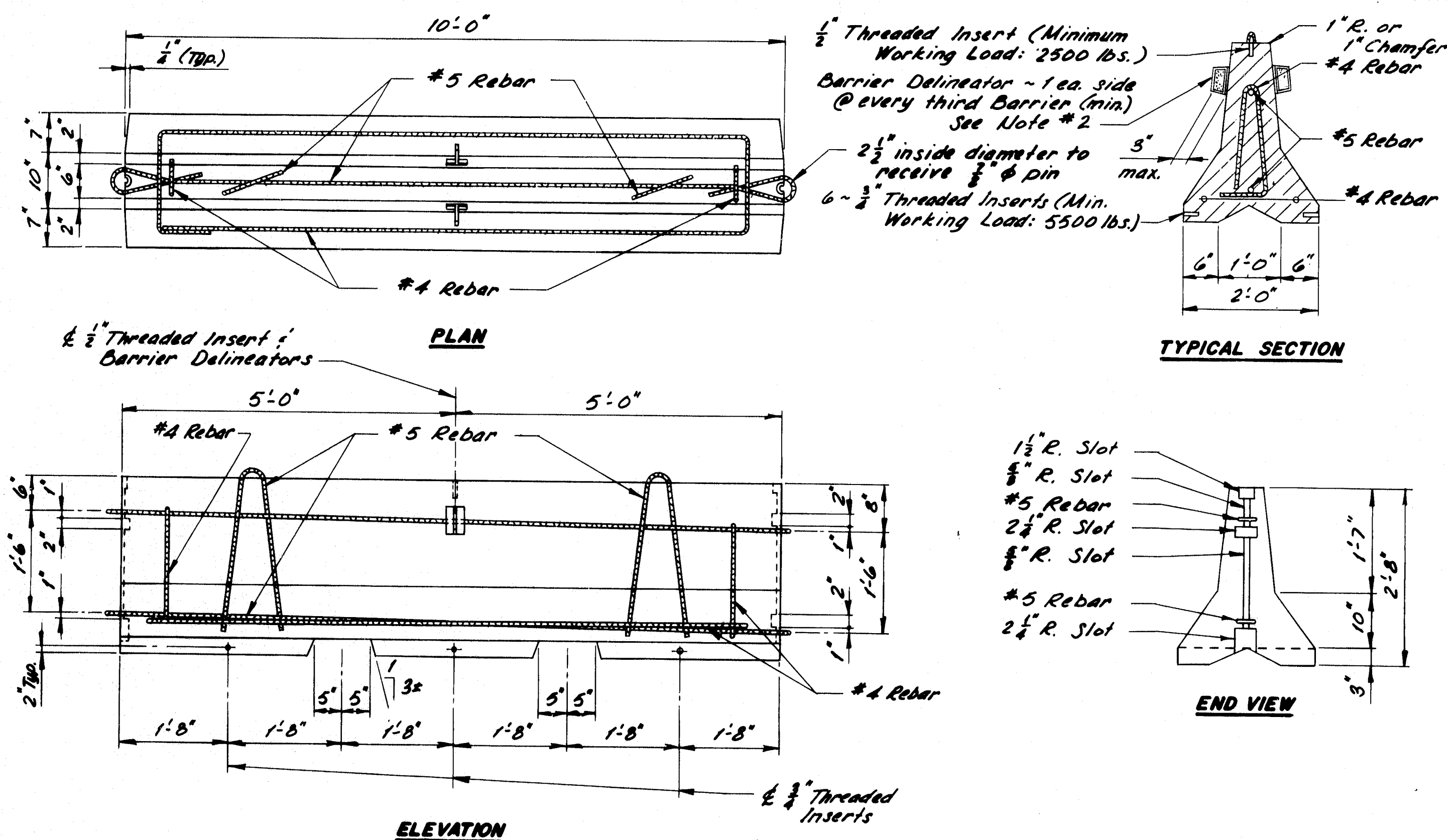
1. First digit(s) following the letter of the Mark indicates size of reinf. bar.
Mark (A 502) bar size - #5
Mark (P 1001) bar size - #10
Mark (S 603) bar size - #6
2. Letter of Marks A, P & S locates bars of Abutments, Piers, and Superstructure parts respectively.
3. W540 bars shall be ASTM A615 Grade 40.

I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER

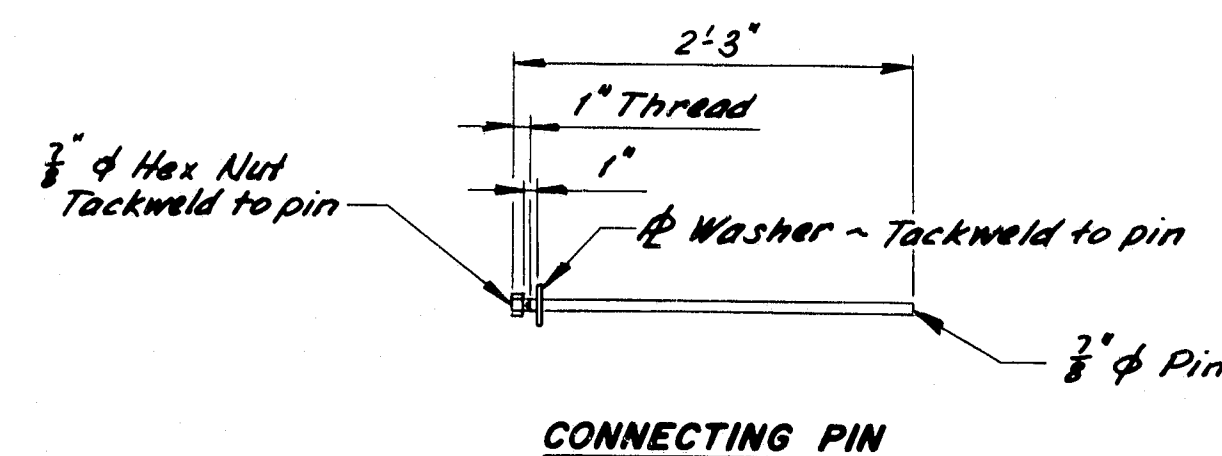
REINFORCING STEEL SCHEDULE
PRESTRESSED OPTION
SHEET 23 OF 25 AUGUSTA, MAINE March 84

R89-284

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	995-8(91)176	24	25

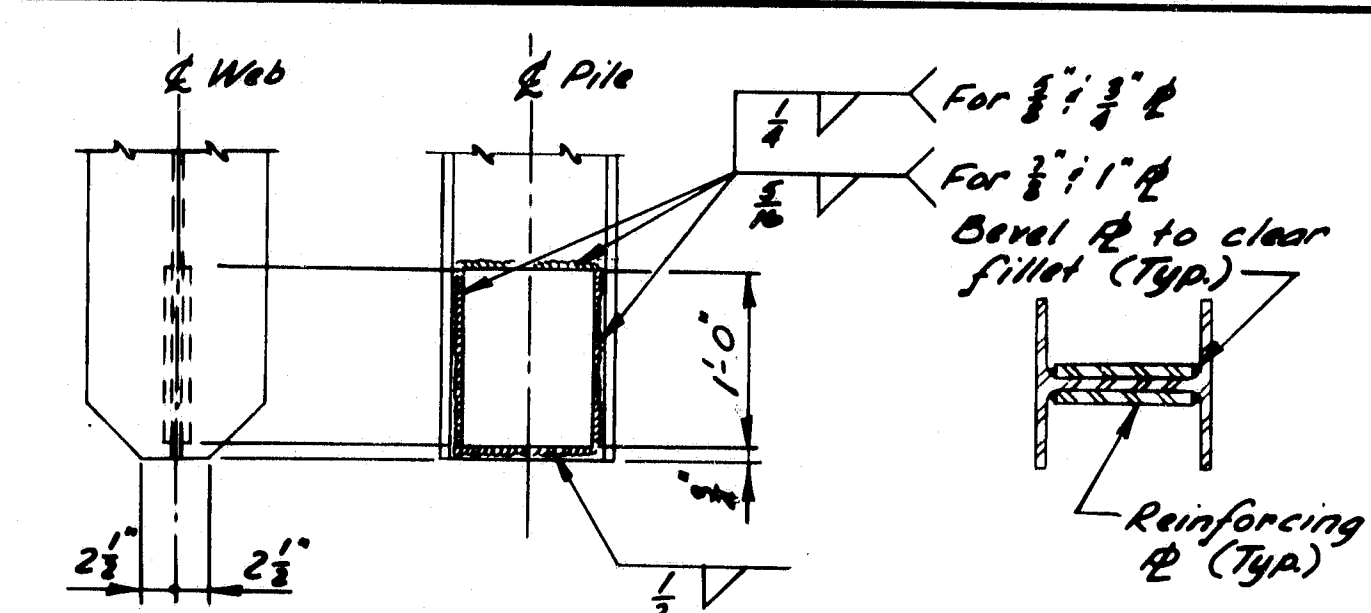


TEMPORARY CONCRETE BARRIER - TYPE 1



NOTES:

- The reinforcing steel, and connections, lifting arrangement, and sizes and locations of hold-down inserts are advisory only. It shall be the Contractor's responsibility to provide adequate reinforcing, and connections, lifting points, and hold-down arrangements.
- Barrier Delineators shall be bi-directional with a minimum effective reflex area of 8.0 square inches as approved by the Engineer. The Reflector shall preferably be of Methyl Methacrylate, and the Housing of Acrylonitrile Butadiene Styrene.

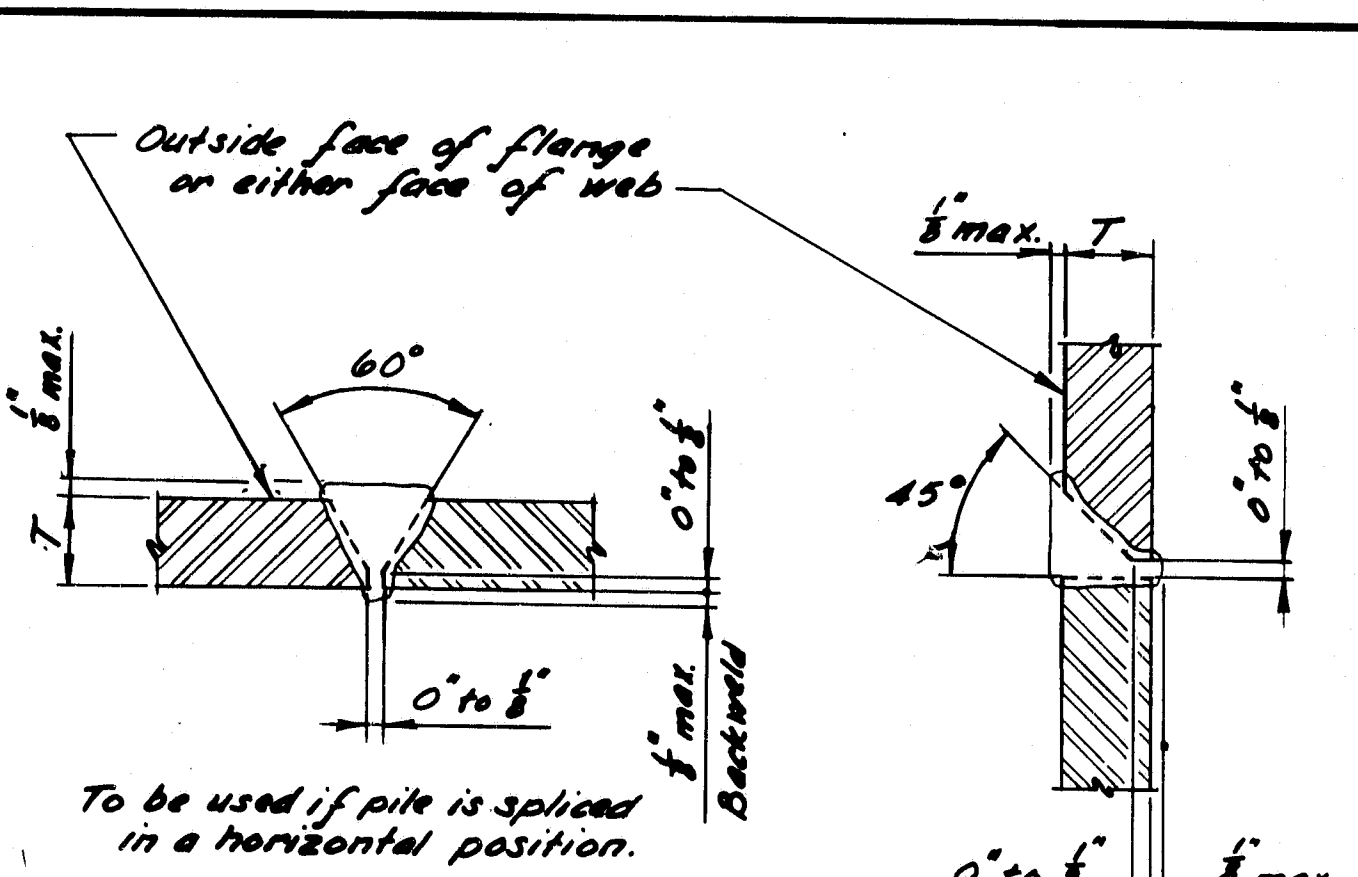


Pile Size	Reinf. R Size	Pile Size	Reinf. R Size
HP 10x42	8 3/4" x 3/8" x 1'-0"	HP 13x60	11 1/2" x 3/4" x 1'-0"
HP 10x57	8 3/4" x 3/8" x 1'-0"	HP 13x73	11 1/2" x 3/4" x 1'-0"
HP 12x53	10 3/4" x 3/8" x 1'-0"	HP 13x87	11 1/2" x 3/4" x 1'-0"
HP 12x63	10 3/4" x 3/8" x 1'-0"	HP 14x73	12 1/2" x 3/4" x 1'-0"
HP 12x74	10 3/4" x 3/8" x 1'-0"	HP 14x89	12 1/2" x 3/4" x 1'-0"

NOTES:

- Alternate Pointed Reinforced Pile Tips may be used if they have at least the cross-sectional area of the pile tip shown and are approved by the Engineer.
- Plates may be shop or field welded.
- Use Manual Shielded Metal-Arc Process and 6010, 6011, or 6012 electrodes, unless a different process has been approved by the Engineer.
- Electrodes shall be dry when used, in accordance with the provisions of A.W.S. Spec. D1.1, as amended by AASHTO.

POINTED REINFORCED PILE TIP

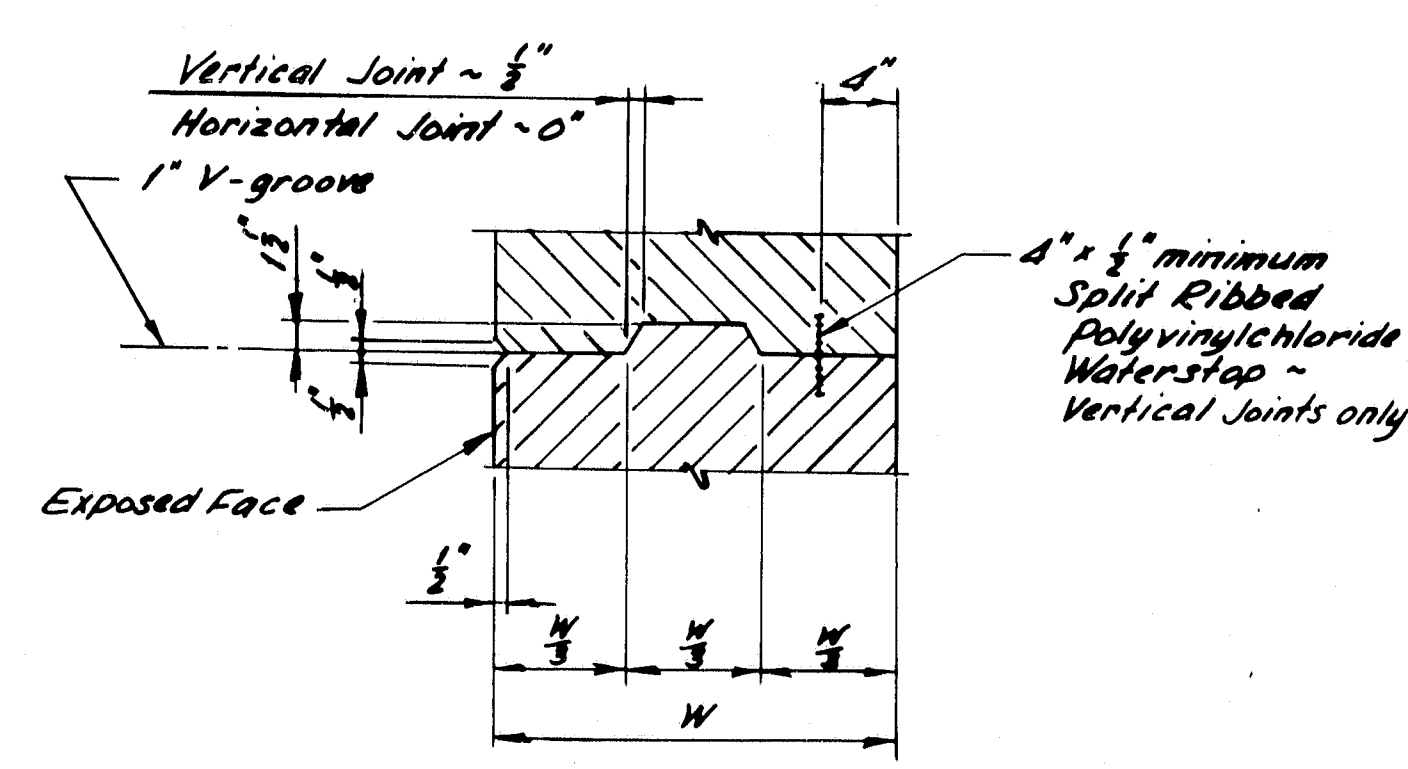
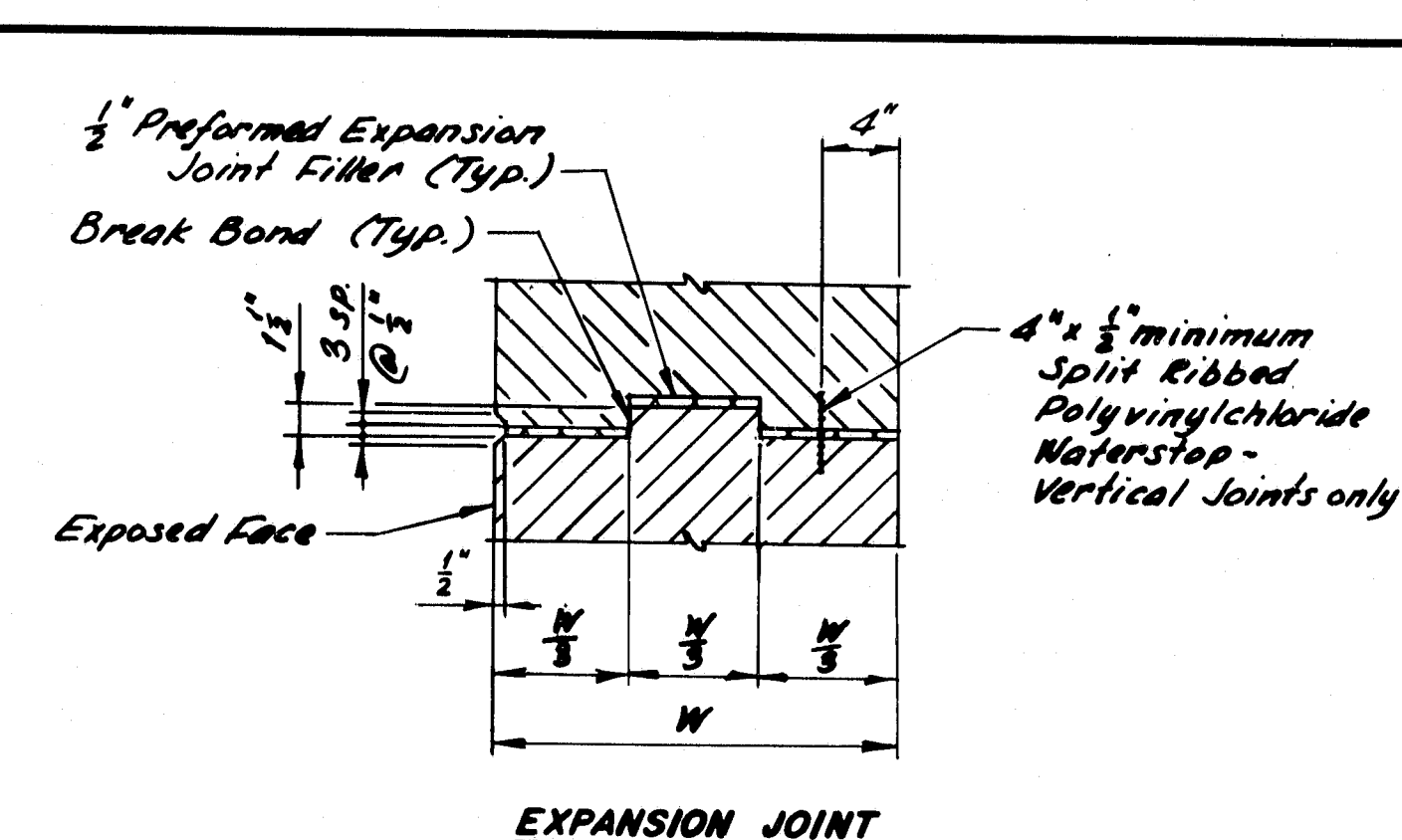


T	Min. No. Passes
1/2"	3
3/4"	4
1"	5

NOTES:

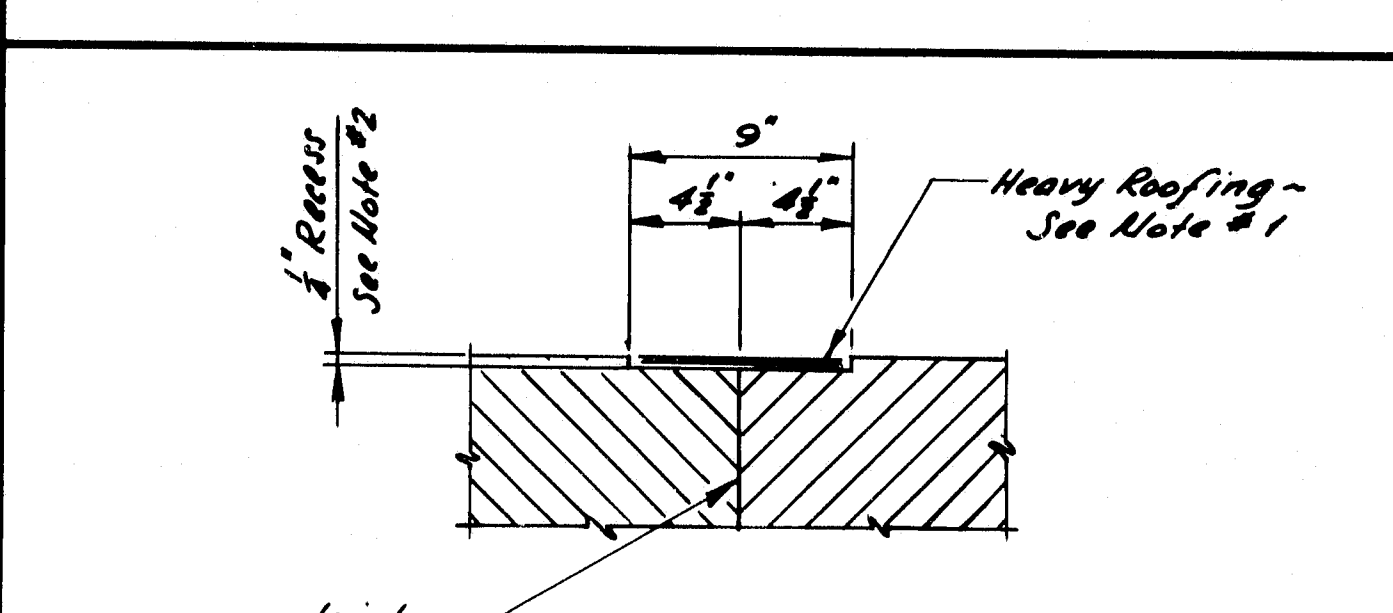
- All cutting shall be done with the use of a mechanical guide.
- Use Manual Shielded Metal-Arc Process and 6010, 6011, or 6012 electrodes, unless a different process has been approved by the Engineer.
- Electrodes shall be dry when used, in accordance with the provisions of A.W.S. Spec. D1.1, as amended by AASHTO.
- Gouge root before welding second side.

PILE SPLICE



CONSTRUCTION OR CONTRACTION JOINTS

CONCRETE JOINTS



- NOTES:
- Where called for, cover horizontal and vertical construction, contraction, or expansion joints with two (2) 9" wide layers of heavy roofing felt. Coat the concrete and back of each layer as applied with plastic roofing cement.
 - Recess the covered area 1/2" unless otherwise indicated on Design Drawings.

CONCRETE JOINT COVER

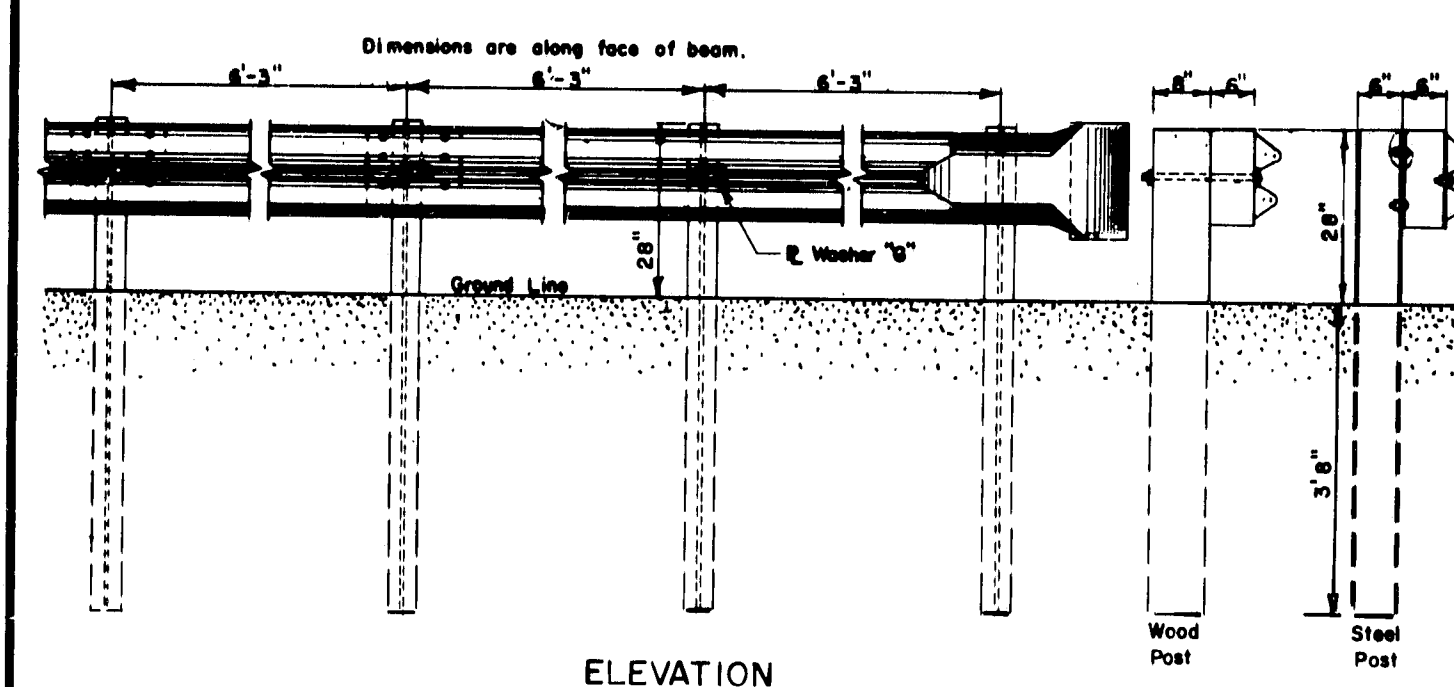
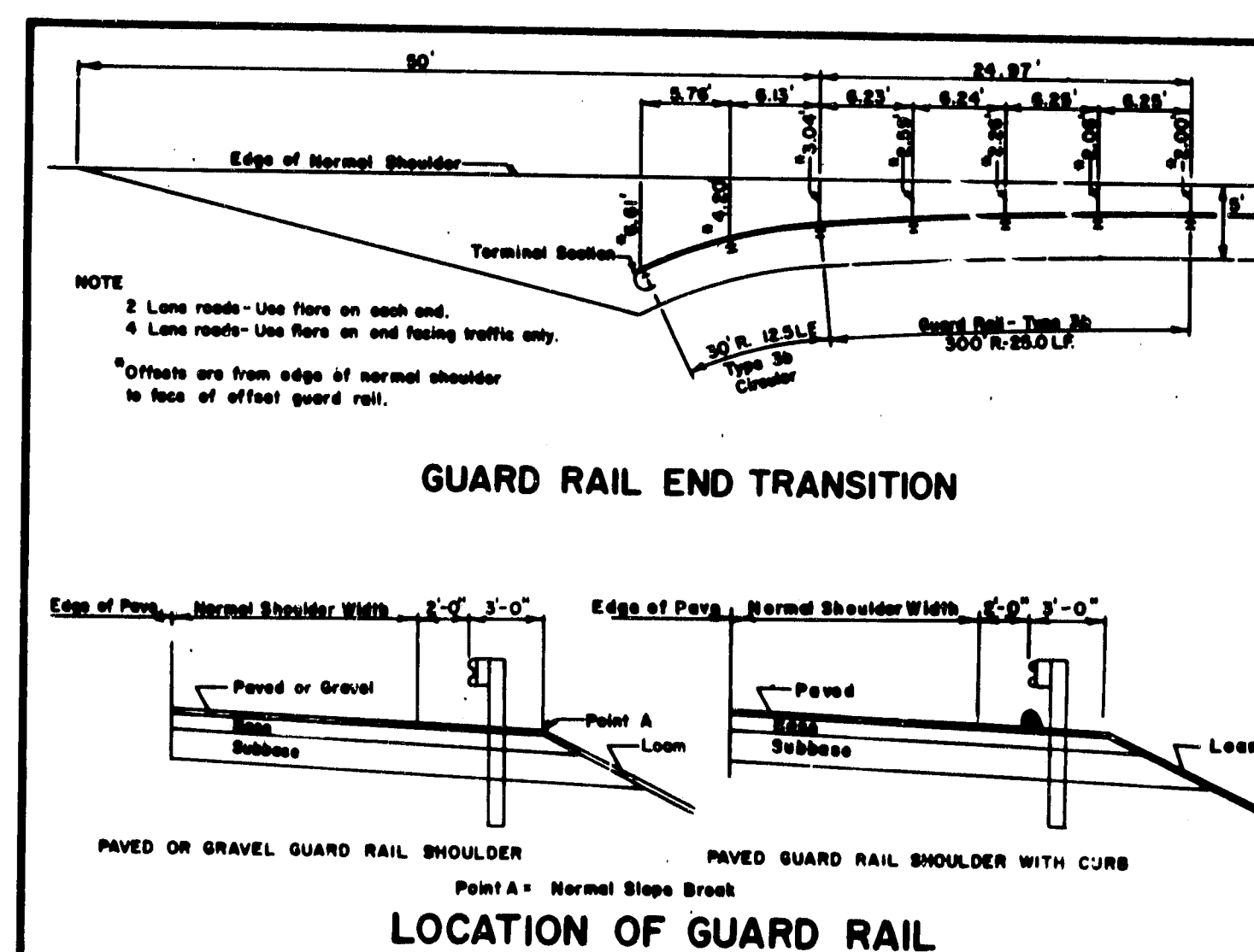
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STANDARD DETAILS
(BD 127-81)

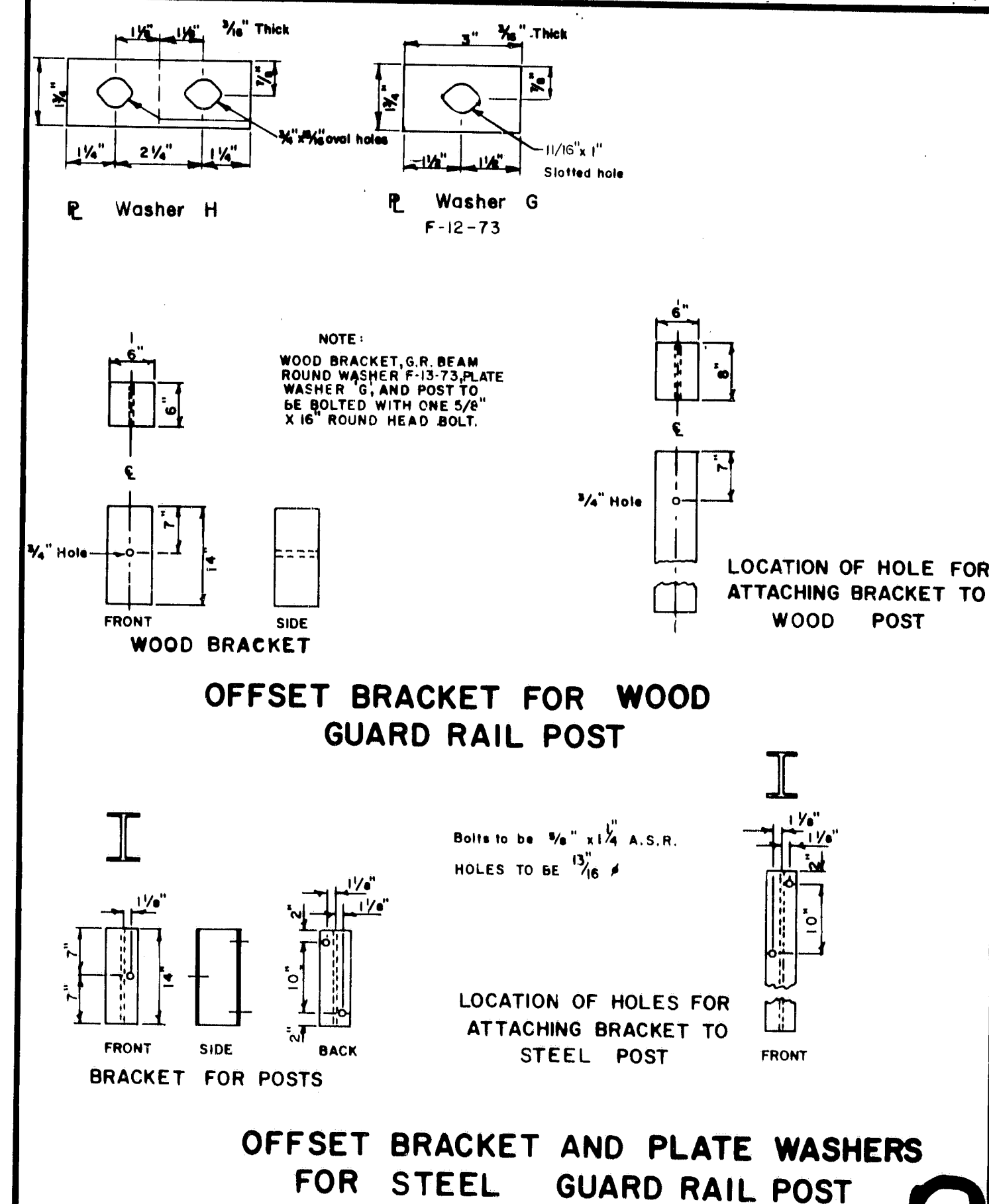
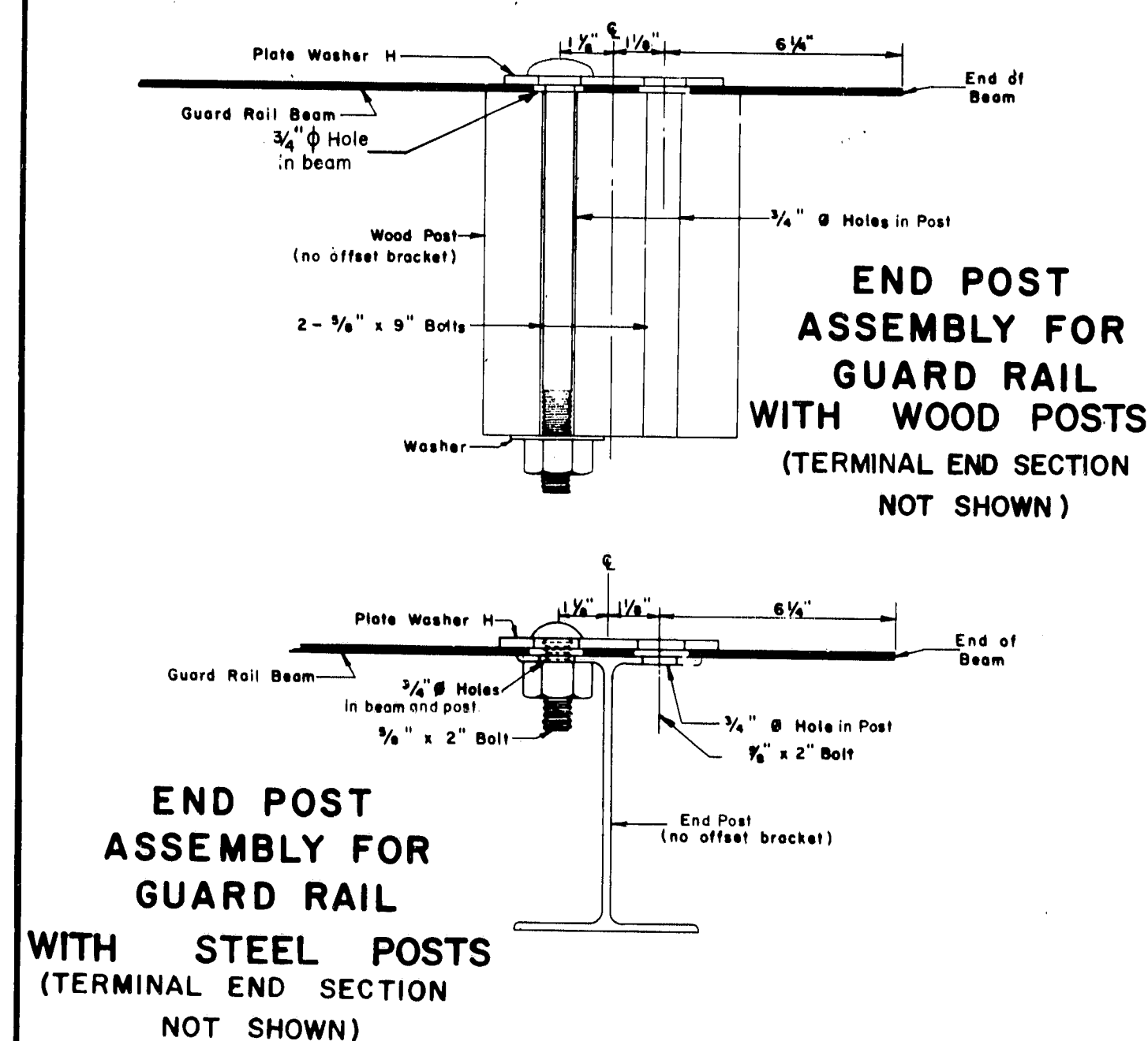
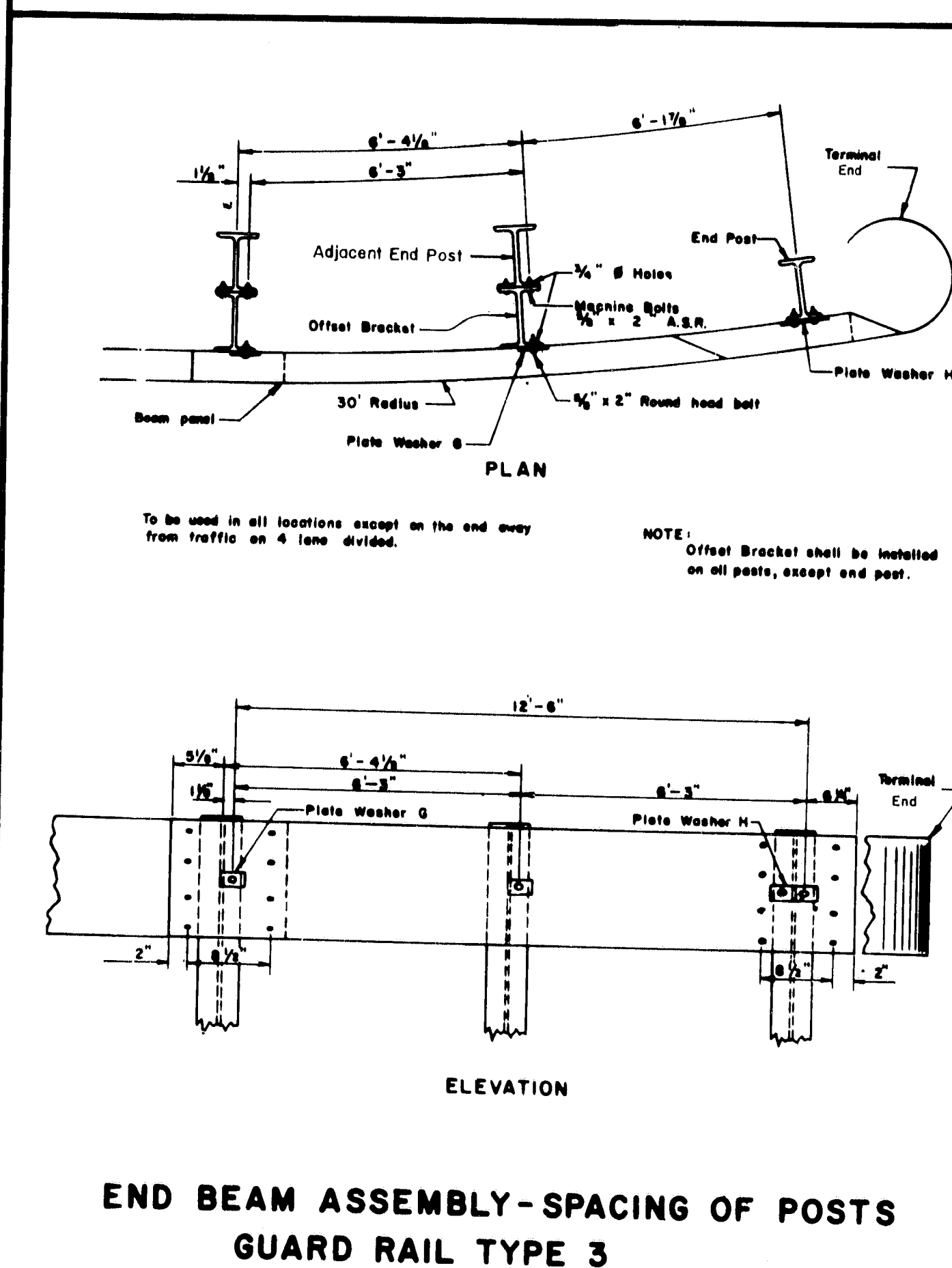
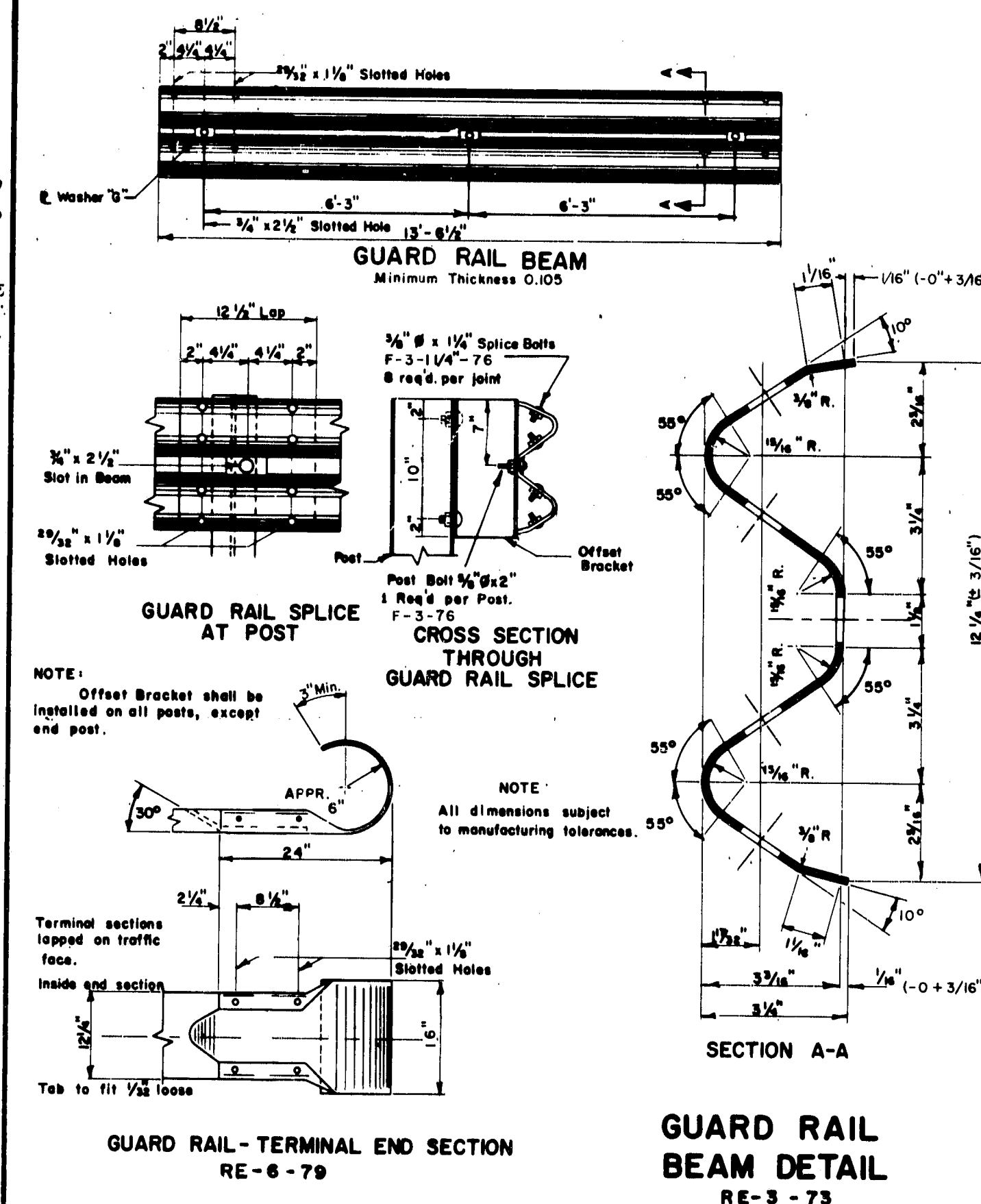
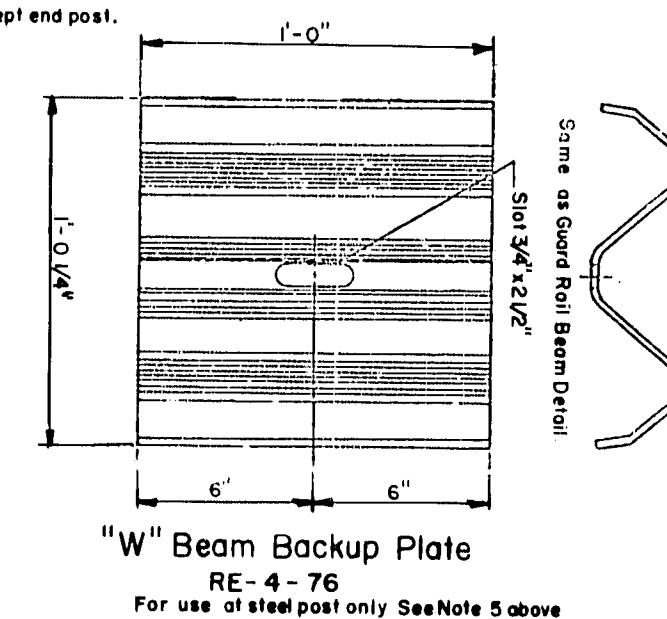
MISCELLANEOUS DETAILS
TEMP. CONC. BARRIER - TYPE 1
POINTED REINFORCED PILE TIP
PILE SPLICE - CONC. JOINTS
CONCRETE JOINT COVER

Added 13 HP's 7-83
REVISIONS Date

SHEET 24 OF 25 AUGUSTA, MAINE JUNE 1991



1. Intermediate post spacing shall be 6'-3" unless otherwise shown.
2. Wood posts for Guard Rail shall be 6" x 8" and offset brackets for type "3a" Guard Rail shall be 6" x 8".
3. Steel posts and offset brackets for Guard Rail shall be #6 X 8 S or #6 X 9 S.
4. Steel posts punched with holes in addition to those specified, to accommodate other types of Guard Rail, will be accepted subject to the approval of the engineer.
5. "W" Beam Back up Posts shall be placed behind steel rail elements at intermediate steel posts (non splice posts).
6. Beam Type Guard Rail set on radius of 150' or less shall be Circular Guard Rail.
7. Offset Bracket shall be installed on all posts, except end post.

[illegible]

NOTE: Identification letters and numbers on drawings refer to the standard detail drawings shown in "A Guide to Standardized Highway Barrier Rail Hardware" by AASHTO - AGC - ARTBA Joint Cooperative Committee.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STANDARD DETAILS

TYPE 3 GUARD RAIL

SPECIFICATION SECTION 606
AUGUSTA, MAINE

APPENDIX B

Inspection Report

Highway Bridge Inspection Report

BR# 1559

I395 / M C RR

I-395 & TWO RAMPS

Over
MCRR

Town:
Brewer



Inspection Date: 07/08/2019

Inspected By: Hannum, Jamie

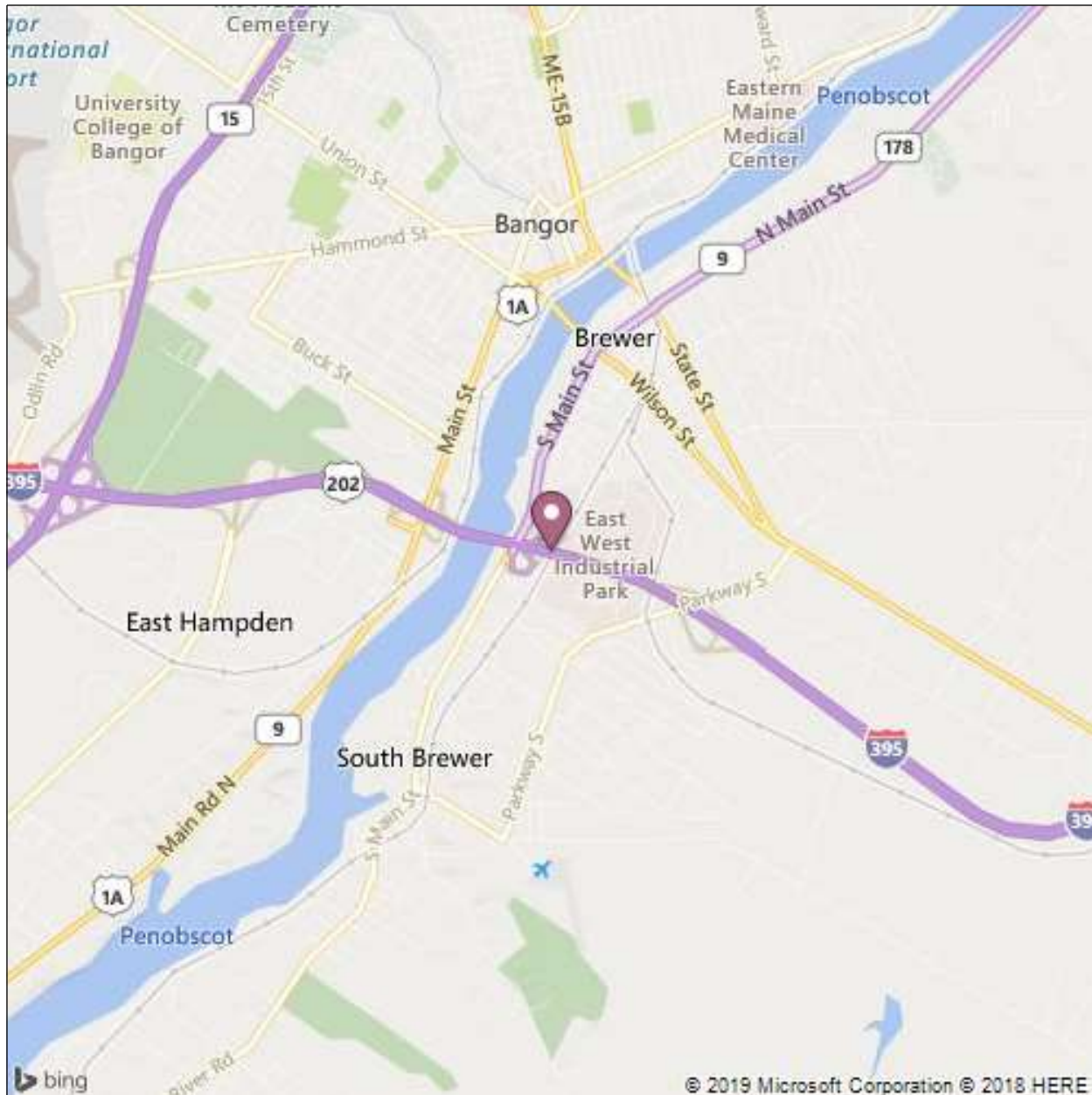
Inspection Type(s): Routine

Inspector: Jamie Hannum
Inspection Date: 07/08/2019

Structure Number: 1559
Facility Carried: I-395 & TWO RAMPS

Highway Bridge Inspection Report

Location Map



Latitude: 44.78339
Longitude: -68.76955

National Bridge Inventory

Status: 0 - ND

Bridge Name: I395 / M C RR

Sufficiency Rating: 77.7

Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	24	07/08/2019
(92) CRITICAL FEATURE INSPECTION	& (93) CFI DATE		
(92A) FRACTURE CRITICAL DETAIL		N	
(92B) UNDERWATER INSPECTION		N	
(92C) OTHER SPECIAL INSPECTION		N	

Identification

(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	1559
(5) INVENTORY ROUTE	
(5A) RECORD TYPE	1: Route carried "on" the structure
(5B) ROUTE SIGNING PREFIX	3 - STATE HIGHWAY
(5C) DESIGNATED LEVEL OF SERVICE	1 - MAINLINE
(5) INVENTORY ROUTE	395
(5) INVENTORY ROUTE	0 - NOT APPLICABLE
(2) HIGHWAY AGENCY DISTRICT	04 - Eastern
(3) COUNTY CODE	019 Penobscot
(4) PLACE CODE	06925
(6) FEATURES INTERSECTED	MCRR
(7) FACILITY CARRIED	I-395 & TWO RAMPS
(9) LOCATION	.5 MI EAST TOWNLINE
(11) MILEPOINT	2.100
(12) BASE HIGHWAY NETWORK	Inventory Route is on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	000000395X
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.78339
(17) LONGITUDE	-68.76955
(98A) BORDER BRIDGE CODE	
(98B) PERCENT RESPONSIBILITY	0
(99) BORDER BRIDGE STRUCT NO.	

Structure Type and Material

(43) STRUCTURE TYPE, MAIN	
(43A) KIND OF MATERIAL/DESIGN	1 - Concrete
(43B) TYPE OF DESIGN/CONSTR	19 - Culvert (includes frame culverts)
(44) STRUCTURE TYPE, APPROACH SPANS	
(44A) KIND OF MATERIAL/DESIGN	0 - Other
(44B) TYPE OF DESIGN/CONSTRUCTION	00 - Other
(45) NUMBER OF SPANS IN MAIN UNIT	1
(46) NUMBER OF APPROACH SPANS	0
(107) DECK STRUCTURE TYPE	N - Not Applicable
(108) WEARING SURFACE/PROTECTIVE SYSTEMS	
(108A) WEARING SURFACE	N - NA
(108B) DECK MEMBRANE	N - NA
(108C) DECK PROTECTION	N - NA

Age of Service

(27) YEAR BUILT	1984
(106) YEAR RECONSTRUCTED	0
(42) TYPE OF SERVICE	
(42A) TYPE OF SERVICE ON BRIDGE	1 - Highway
(42B) TYPE OF SERVICE UNDER BRIDGE	2 - Railroad
(28) LANES	
(28A) LANES ON THE STRUCTURE	06
(28B) LANES UNDER THE STRUCTURE	00
(29) AVERAGE DAILY TRAFFIC	10780
(30) YEAR OF AVERAGE DAILY TRAFFIC	2016
(109) AVERAGE DAILY TRUCK TRAFFIC	5
(19) BYPASS DETOUR LENGTH	1

Geometric Data

(48) LENGTH OF MAXIMUM SPAN (ft.)	25
(49) STRUCTURE LENGTH (ft.)	32.0
(50) CURB/SIDEWALK WIDTHS	
(50A) LEFT CURB SIDEWALK (ft.)	0
(50B) RIGHT CURB SIDEWALK (ft.)	0
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	0
(32) APPROACH ROADWAY WIDTH (ft.)	108.0
(33) BRIDGE MEDIAN	0 - No median
(34) SKEW (deg.)	16
(35) STRUCTURE FLARED	0 - No flare
(10) INV RTE, MIN VERT CLEARANCE (ft.)	328.05
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	38.0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	327.76
(54) MIN VERTICAL UNDERCLEARANCE	
(54A) REFERENCE FEATURE	R - Railroad beneath structure
(54B) MIN VERTICAL UNDERCARENCE (ft.)	23.00
(55) MIN LATERAL UNDER CLEARANCE RIGHT	
(55A) REFERENCE FEATURE	R - Railroad beneath structure
(55B) MIN LATERAL UNDER CLEARANCE RIGHT (ft.)	8.53
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0

Classification

(112) NBIS BRIDGE LENGTH	Yes
(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1 - Structure/Route is on NHS
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11 - Urban - Principal Arterial - Interstate
(100) STRAHNET HIGHWAY DESIGNATION	Is on an Interstate STRAHNET route
(101) PARALLEL STRUCTURE DESIGNATION	N - No parallel structure
(102) DIRECTION OF TRAFFIC	1-way traffic
(103) TEMP STRUCTURE	
(105) FEDERAL LANDS HIGHWAYS	Not Applicable
(110) DESIGNATED NATIONAL NETWORK	Inventory route on National Truck Network
(20) TOLL	3 - On Free Road
(21) MAINTENANCE RESPONSIBILITY	01 - State Highway Agency
(22) OWNER	01 - State Highway Agency
(37) HISTORICAL SIGNIFICANCE	5 - Not eligible

Condition

(58) DECK	N - Not Applicable
(59) SUPERSTRUCTURE	N - Not Applicable
(60) SUBSTRUCTURE	N - Not Applicable
(61) CHANNEL & CHANNEL PROTECTION	N - Not Applicable
(62) CULVERT	6 - Deterioration or initial disintegration

Load Rating and Posting

(31) DESIGN LOAD	9 - HS 25 or greater
(63) METHOD USED TO DETERMINE OPERATING RATING	1 - Load Factor (LF)
(64) OPERATING RATING	68
(65) METHOD USED TO DETERMINE INVENTORY RATING	1 - Load Factor (LF)
(66) INVENTORY RATING	40.8
(70) BRIDGE POSTING	5 - Equal to or above legal
(41) STRUCTURE OPEN/POSTED/CLOSED	A - Open

Appraisal

(67) STRUCTURAL EVALUATION	6
(68) DECK GEOMETRY	N
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	4
(71) WATERWAY ADEQUACY	N - Not Applicable
(72) APPROACH ROADWAY ALIGNMENT	8 - Equal to present desirable criteria
(36) TRAFFIC SAFETY FEATURE	
36A) BRIDGE RAILINGS:	1 - Meets acceptable standards
36B) TRANSITIONS:	0 - Does not meet acceptable standards/safety feature is required
36C) APPROACH GUARDRAIL	0 - Does not meet acceptable standards/safety feature is required
36D) APPROACH GUARDRAIL ENDS	0 - Does not meet acceptable standards/safety feature is required
(113) SCOUR CRITICAL BRIDGES	N - Not over waterway

Proposed Improvements

(75) TYPE OF WORK

(75A) TYPE OF WORK PROPOSED

(75B) WORK DONE BY

(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)

(94) BRIDGE IMPROVEMENT COST (\$K)

(95) ROADWAY IMPROVEMENT COST (\$K)

(96) TOTAL PROJECT COST

(97) YEAR OF IMPROVEMENT COST ESTIMATE

(114) FUTURE ADT 15092

(115) YEAR OF FUTURE ADT 2036

Navigation Data	
-----------------	--

(38) NAVIGATION CONTROL	N - Not applicable, no waterway
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(111) PIER OR ABUTMENT PROTECTION	
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(39) NAV VERT CLEARANCE	0
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(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE	0
---	---

(40) NAV HORIZONTAL CLEARANCE	0
-------------------------------	---

General Data Bridge Form

Bridge #: 1559
 Bridge Name: I395 / M C RR
 Owner: 01 - State Highway Agency
 Co-Owner: N Not applicable
 Region: 04 - Eastern

Town1: Brewer
 Town2:
 Maintainer: 01 - State Highway Agency
 Co-Maintainer: N Not applicable

Deck

Deck Area (SF): 3456 Curb Reveal Lt (in): 0
 Depth of Cover (ft): 0 Curb Reveal Rt (in): 0

Superstructure

Main Span

Type: 19 - Culvert (includes frame culverts)
 Sub Type: 0 Not Applicable
 Construction: 0 Not Applicable
 Material: 1 - Concrete
 Continuity: 1 Non Continuous
 Composite: 1 Non Composite
 Moveable: 0 No

Approach Span

Type: 00 - Other
 Sub Type: —
 Construction: —
 Material: 0 - Other
 Continuity: —
 Composite: —
 Moveable: —

Substructure

Shaft

Abutment 1 Stub Concrete
 Pier
 Pier
 Pier
 Abutment 2 Stub Concrete

Shaft Notes

Foundation

Abutment 1 H-Piles
 Pier
 Pier
 Pier
 Abutment 2 H-Piles

Foundation Notes

Utilities

☐ Phone ☐ Sewer ☐ Gas ☐ Dry Hydrant
☐ Water ☐ Power ☐ TV
☐ Other ☐

Utilities Notes

Equipment

☐ Aerial Lift ☐ Boat ☐ D-Meter ☐ Height Camera
☐ Air Monitor ☐ Drill ☐ Ladder
☐ Other ☐
☐ HYDRA ☐ Last Date: Next Date Est.
☐ UBIT ☐ Last Date: Next Date Est.

Equipment Notes

Classification

Bridge Indicator: S630 - 1
 Minor Span Code: S971 - BSH
 Salt Water Environment: Salt Env - N
 Parallel Bridge Number:

Inspection Group
 D

Inspection Group Comments

Roadway

Abut-Abut Detour: 7.9

HCP: 1

Other

☐ Bad Bridge Letter
☐ Stream Cross-Sections

Date Sent:

☐ Bridge Plans
☒ Urban Compact

Perp Clear Span: 25 (ft)
NBI Clear Span: 25 (ft)

Repairs Done

Inspection Notes

Structure Number: 1559

Town: Brewer

Structure Name: I395 / M C RR

Structure Notes

Single span concrete rigid frame with steel BIN wingwalls and gabion baskets with concrete barrier and guardrail on road above.

Wearing Surface

Deck

NBI Item 58: N

Superstructure

NBI Item 59: N

Substructure

NBI Item 60: N

Culvert

NBI Item 62: 6

Concrete box culvert with two minor cracks with efflo staining near the center.

Exterior vertical walls, both ends of culvert, have extensive map cracking with active efflorescence and isolated delaminations / spalls.

Each section of culvert between construction lines has average of 1 overhead crack, longitudinal to bridge, with minor efflorescence.

Southern end of bridge has approx 3' diagonal crack at groundline to construction joint in west wall and vertical crack on opposite side (East) from bottom to top of culvert.

The remainder of the inside vertical walls of culvert have hairline map cracking scattered throughout.

Northeast corner has erosion of material between BIN wall and concrete abutment.

Northwest corner has gabion baskets at end of BIN wall some, with negative batter.

OTHER: Bituminous roadway above is in generally fair condition with random cracking over structure.

Concrete rail over structure has minor to moderate map cracking and isolated small areas of delamination and spalling.

Channel

NBI Item 61: N

Other

Special Inspection

Monitoring

No bin wall changes 2011,2013, 2014,2016,2017

Pontis Notes

Inspector: Jamie Hannum
Inspection Date: 07/08/2019

Structure Number: 1559
Facility Carried: I-395 & TWO RAMPS

Highway Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
241 - Reinforced Concrete Culvert	2 - Low	286	ft.	133	133	20	0
825 - Metal Wall	2 - Low	280	ft.	200	80	0	0
828 - Gabion Wall	2 - Low	20	ft.	0	20	0	0

Over Limit Report

Bridge #: 1559
Bridge Name: I395 / M C RR
Owner: 01 - State Highway Agency
Co-Owner: N Not applicable
Region: 04 - Eastern

Town1: Brewer
Town2:
Maintainer: 01 - State Highway Agency
Co-Maintainer: N Not applicable

Vertical Clearance - Under

Left, Center, and Right is based on the direction of travel

Roadway - Heading North or East

Actual Heights in Feet-Inches

Date Measured:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
Main: MCRR	-	-	-	<input type="checkbox"/> Main	-
Other:	-	-	-	<input type="checkbox"/> Other	-
Ramps:	-	-	-	<input type="checkbox"/> Ramp	-

Roadway - Heading South or West

Actual Heights in Feet-Inches

Date Measured:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
Main: MCRR	-	-	-	<input type="checkbox"/> Main	-
Other:	-	-	-	<input type="checkbox"/> Other	-
Ramps:	-	-	-	<input type="checkbox"/> Ramp	-

Vertical Clearance - Portal

Roadway: I-395 & TWO RAMPS

Heading North or East

Actual Heights in Feet-Inches

Date Measured:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
	-	-	-	<input type="checkbox"/> Portal	-

Heading South or West

Actual Heights in Feet-Inches

Date Measured:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
	-	-	-	<input type="checkbox"/> Portal	-

Permitting

Pointer

☐ Red Flag Comments

Heading North Height: -
Heading South Height: -
Left Ramp Height: -
Right Ramp Height: -
Portal North Height: -
Portal South Height: -

Other Road Height: -

Bridge Width: 0 ft
Roadway Width: 108.0 ft

Underclearance heights are signed if less than 14 ft 6 in

Check with Maine Turnpike Authority for load heights over 13 ft 6 in

Always check 511

Load Restrictions

Posted	tons	Date posted:
Posted One Truck at aTime		
Posted for 4 axle only		
Operating Load Rating	68	
Permit Load Ratings		axles
		axles
		axles

Underwater Dive Inspection Report

Structure Number: 1559

Bridge Name: I 395/MCRR

Town 1: 19050 - Brewer

Town 2:

Division: Bangor

DiveID: 2201

☐ Tidal:

Location: .5 MI EAST TOWNLINE

Tide Information:

Photos:

Dive Entry Location:

Scour:

Comments/Hazards:

Streambed Description:

Channel Description:

Substructure Description:

Inspection Team:

Role:

Dive Conditions:

Time: Entry: AM/PM

Time: Exit: AM/PM

Water Temp:

Visibility (ft):

Max Depth (ft):

Current:

Weather:

Underwater Inspection Date:

Channel Condition:

Substr/Culvert Condition:

Inspection Cycle:

Ratings Comments:

Inspector: Jamie Hannum
Inspection Date: 07/08/2019

Structure Number: 1559
Facility Carried: I-395 & TWO RAMPS

Highway Bridge Inspection Report

Pictures



PHOTO 1

Description Looking North



PHOTO 2

Description Looking South

Inspector: Jamie Hannum
Inspection Date: 07/08/2019

Structure Number: 1559
Facility Carried: I-395 & TWO RAMPS

Highway Bridge Inspection Report

Pictures



PHOTO 3

Description Looking North inside of the culvert



PHOTO 4

Description Roadway above looking South

Inspector: Jamie Hannum
Inspection Date: 07/08/2019

Structure Number: 1559
Facility Carried: I-395 & TWO RAMPS

Highway Bridge Inspection Report

Pictures



PHOTO 5

Description Roadways above RR culvert looking North



PHOTO 6

Description Cracking at the NW end of culvert and bin wall

Highway Bridge Inspection Report

Pictures



PHOTO 7

Description Cracking at the SW end of the culvert



PHOTO 8

Description Heavy cracking and efflo with spalled concrete top of SW culvert end

Inspector: Jamie Hannum
Inspection Date: 07/08/2019

Structure Number: 1559
Facility Carried: I-395 & TWO RAMPS

Highway Bridge Inspection Report

Pictures



PHOTO 9

Description SE bin wall



PHOTO 10

Description SW bin wall

Inspector: Jamie Hannum
Inspection Date: 07/08/2019

Structure Number: 1559
Facility Carried: I-395 & TWO RAMPS

Highway Bridge Inspection Report

Pictures



PHOTO 11

Description SW end of culvert with cracking and efflo



PHOTO 12

Description Cracking at the NE end of culvert and bin wall

Maintenance Work Items

Structure Number: 1559

Structure Name: I395 / M C RR

Town: 19050

Owner: Hannum, Jamie

Type	Work Item	Priority	Notes
Maintenance	Rehab Substructure		Rehab ends of culvert and fascias
Maintenance	Cut Brush		

MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Hannum, Jamie
Team Lead: Jamie Hannum

Structure Number: 1559
Structure Name: I395 / M C RR
Town: Brewer

Additional Team Members/Visitors:

- | | |
|-----|-----|
| 1.) | 6.) |
| 2.) | 7.) |
| 3.) | 8.) |
| 4.) | 9.) |
| 5.) | |

Job being performed:

Routine bridge inspection.

Potential Hazard:

- ☒ Exposure to traffic

Potential Hazard:

- ☒ Steep slopes and uneven working areas
(rip rap, mud, loose fill, etc)

Potential Hazard:

- ☒ Chipped Concrete or Steel (hand tools only)

Potential Hazard:

- ☒ 6' Vertical drops

Potential Hazard:

- ☐ Water Hazards
- ☐ Water depth under 1 foot
 - ☐ Water depth 1 to 4 feet
 - ☐ Water depth over 4 feet
 - ☐ Water flow calm/slow moving
 - ☐ Water flow visible/not rapid
 - ☐ Water flow rapid with some short falls
 - ☐ Tidal Water

No water at the bridge

Potential Hazard:

- ☒

Controls:

- ☒ Parked off road with strobe
☒ Less than 1 hour on bridge
☒ Wear standard reflective clothing and hard hat
☐ Spotter ☐ Traffic Control Crew

Controls:

- ☒ Wear appropriate, prudent footwear
☐ Rope or fall protection

Controls:

- ☒ Wear appropriate, prudent eye/hand protection

Controls:

- ☒ Stay away from areas

Controls:

- ☐ Evaluate Water Hazard conditions
☐ Use/Wear appropriate PPE
☐ Buddy System

Controls:

- ☒

Insects, Poison Ivy, or other environmental hazards

Potential Hazard:

☒ Lead paint and Avian excrement

Potential Hazard:

☐ Heavy Manual Lifting

Potential Hazard:

☐ DCS, Lung Expansion

Potential Hazard:

☐ Entanglement U/W

Potential Hazard:

☐ Boat Traffic

Potential Hazard:

☐ Cold Water

Potential Hazard:

☐ Live Boating

Other Potential Hazards:

RR tracks

Safety Equipment Required:

☒

☒

☐

Apply insect repellent and/or sunscreen

☒ Protect skin with appropriate, prudent clothing

Controls:

☒ Wear gloves, do not scrape

Controls:

☐ Ask for assistance in donning dive gear,
lifting equipment

Controls:

☐ Ascend slowly, use computers, Safety Stops
(15' mark for 3 min.)

Controls:

☐ Use knife, Comm gear

Controls:

☐ Fly Dive Flag, use spotter, contact bridge
on Chan. 13

Controls:

☐ Use adequate dry suit underwear
for water temperature

Controls:

☐ Keep track of divers, avoid powering during
drop-off/pick-up

Other Controls:

Stay off tracks and listen for trains.

Emergency Action Plan:

☒

- | | | | |
|---|--|---|---|
| Hard hat | Sunscreen | Throw Ring | Call 911 |
| <input checked="" type="checkbox"/> Vest | <input checked="" type="checkbox"/> First Aid | <input type="checkbox"/> Throw Rope | <input checked="" type="checkbox"/> First Aid Kit |
| <input checked="" type="checkbox"/> Glasses | <input type="checkbox"/> O2 | <input type="checkbox"/> Positioning Device | <input type="checkbox"/> Fall Rescue Plan |
| <input checked="" type="checkbox"/> Gloves | <input type="checkbox"/> AED | | <input type="checkbox"/> Water Rescue Plan |
| <input type="checkbox"/> PFD | <input type="checkbox"/> Comm Gear | | <input type="checkbox"/> Dan 1-919-684-9111 |
| <input type="checkbox"/> Rain Gear | <input checked="" type="checkbox"/> Cell Phone | | <input type="checkbox"/> USCG 741-5465 |
| <input checked="" type="checkbox"/> Bug Spray | <input type="checkbox"/> Boat | | |

Other Safety Equipment:

Other Emergency Action Plan:

I certify that the MaineDOT NBIS Bridge Safety Inspection JSA has been completed according to all proper procedures required by the Maine Department of Transportation.

☒ Complete Jamie Hannum

Bridge Components

Bridge #: 1559
 Bridge Name: I395 / M C RR
 Owner: 01 - State Highway Agency
 Co-Owner: N Not applicable
 Region: 04 - Eastern

Town1: Brewer
 Town2:
 Maintainer: 01 - State Highway Agency
 Co-Maintainer: N Not applicable

Deck

Joint Seal Type/MFG:

- ☐ Emseal
☐ V Seal
☐ Watson Bowman
☐ Hot Rubber
☐ Pour-in-Place
☐ DS Brown

Joint Types:

- ☐ Finger
☐ Asphaltic Plug
☐ Compression
☐ Modular
☐ Gland
☐ Waybo Crete
- ☐ Sliding
☐ Transflex
☐ Open

Joint HDR Mat:

- ☐ Concrete
☐ Delcrete
☐ Elastomeric
☐ LP Concrete
☐ Phoscrete
☐ Plycrete

Other:

- ☐ Curtain
☐ Troughs
☐ Armor

Rebar Type:

Superstructure

Left Side Rail:

- Material ☐ Concrete ☐ Retrofit
 Shape ☐ F Shape ☐ Safety Walk
 Attached To ☐ Deck ☐ Pales
 Number of Bars 0 ☐ Snow Fence
 Extra Height N

Right Side Rail:

- Material ☐ Concrete ☐ Retrofit
 Shape ☐ F Shape ☐ Safety Walk
 Attached To ☐ Deck ☐ Pales
 Number of Bars 0 ☐ Snow Fence
 Extra Height N

Bearing Type Quantity:

- ☐ Disk ☐ Elastomeric
☐ Pot ☐ Rocker
☐ Roller ☐ Sliding Plate

Other:

- ☐ Pin Quantity
☐ Pin and Link Quantity

Fatigue Prone Detail:

- ☐ Narrow Cover Plate - Sq End Welded
☐ Narrow Cover Plate - Sq End w/o Weld
☐ Wide Cover Plate - Sq End Welded
☐ Wide Cover Plate - Sq End w/o Weld
☐ Lateral Connection Plate - Welded
- ☐ Narrow Cover Plate - Tapered End Welded
☐ Narrow Cover Plate - Tapered End w/o Weld
☐ Longitudinal Stiffener - Welded with Radius
☐ Longitudinal Stiffener - Welded w/o Radius
☐ Hoan Detail

Substructure

- ☐ Pier Collars
☐ Abutment Collars
☐ Wood Piles
☐ Steel Piles
☐ Blocked Bridge

Retaining Wall Type:

Metal Bin

Other

- Confined Space
☐ Bridge Lighting
☐ Cat Walk
☐ Navigational Lighting
☐ Signs Attached

General Notes

Bridge Preservation

Bridge #: 1559
 Bridge Name: I395 / M C RR
 Owner: 01 - State Highway Agency
 Co-Owner: N Not applicable
 Region: 04 - Eastern

Town1: Brewer
 Town2:
 Maintainer: 01 - State Highway Agency
 Co-Maintainer: N Not applicable

Deck <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <u>NBI Deck Information:</u> <table style="width: 100%;"> <tr> <td style="width: 33%;">Deck Type</td> <td>N - Not Applicable</td> </tr> <tr> <td>Deck Protection</td> <td>N - NA</td> </tr> <tr> <td>Membrane Type</td> <td>N - NA</td> </tr> </table> </div> <div style="width: 45%;"> <u>Wearing Surface:</u> <table style="width: 100%;"> <tr> <td style="width: 33%;">Type</td> <td>N - NA</td> </tr> <tr> <td>Last Date</td> <td></td> </tr> <tr> <td>Lifespan (Yrs)</td> <td></td> </tr> <tr> <td>Next Date Est.</td> <td>0</td> </tr> <tr> <td>Mill & Fill Date</td> <td></td> </tr> </table> </div> </div>	Deck Type	N - Not Applicable	Deck Protection	N - NA	Membrane Type	N - NA	Type	N - NA	Last Date		Lifespan (Yrs)		Next Date Est.	0	Mill & Fill Date		Common Preservation <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <u>Paint Information:</u> <table style="width: 100%;"> <tr> <td style="width: 33%;">Type</td> <td><input type="checkbox"/> Installed</td> </tr> <tr> <td>Last Date</td> <td><input type="checkbox"/> Detached</td> </tr> <tr> <td>Lifespan (Yrs)</td> <td></td> </tr> <tr> <td>Next Date Est.</td> <td>0</td> </tr> </table> </div> <div style="width: 45%;"> <u>Anodes:</u> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Installed</td> </tr> <tr> <td><input type="checkbox"/> Detached</td> </tr> <tr> <td><input type="checkbox"/> Replace</td> </tr> </table> </div> </div>	Type	<input type="checkbox"/> Installed	Last Date	<input type="checkbox"/> Detached	Lifespan (Yrs)		Next Date Est.	0	<input type="checkbox"/> Installed	<input type="checkbox"/> Detached	<input type="checkbox"/> Replace				
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Highway Bridge Inspection Report

I395 / M C RR

I-395 & TWO RAMPS
over
MCRR

