



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

October 1, 2024
Subject: Wearing Surface
Location: Madison & Anson
State WIN: 026113.00
Amendment No. 2

Dear Sir/Ms.:

The following questions have been received:

Question: The existing plans show a 2" HMA wearing surface with 1/4" membrane waterproofing and the contract plans show a 2" concrete wearing surface and 1/4" slab. Is rebar or wire mesh in the existing concrete wearing surface? Neither the contract plans or existing plans provide this information.

Response: The existing plans dated May 1995 show a 2" unreinforced concrete wearing surface. The existing plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alternations which may have been made to the bridge during its life span.

Consider these changes and information prior to submitting your bid on **October 2, 2024**.

Sincerely,

A handwritten signature in blue ink that reads "George Macdougall".

George M. A. Macdougall P.E.
Contracts & Specifications Engineer

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLANS
BRIDGE WEARING SURFACE
REPLACEMENT

BICENTENNIAL BRIDGE

OVER

KENNEBEC RIVER

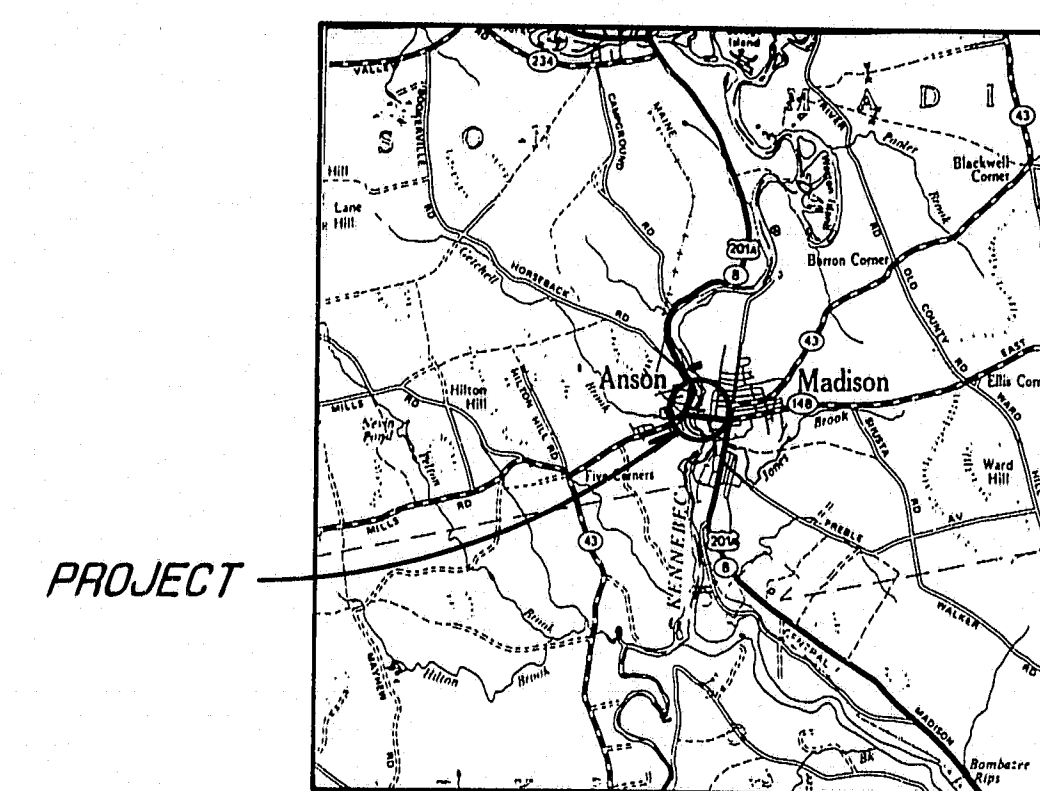
BETWEEN THE TOWNS OF

MADISON AND ANSON

SOMERSET COUNTY

PROJECT NO. STP-045-5316(00)X

PROJECT LENGTH 0.088 MILES



LOCATION MAP

All work contemplated under this contract to be governed
by and in conformity with the STANDARD SPECIFICATIONS
(revision of October, 1990) and supplementals thereto, except as
modified on the plans and in the special provisions.

SPECIFICATIONS

DESIGN: AASHTO Standard Specifications for
Highway Bridges, 1992 and Interims.

CONTRACT: State of Maine, Department
of Transportation Standard Specifications
for Highways and Bridges, Revisions
of October, 1990.

DESIGN LOADING

LIVE LOADING HS20 (Existing)

MATERIALS

CONCRETE (Unless otherwise specified) CLASS A
REINFORCING STEEL ASTM A615, GRADE 60

BASIC DESIGN STRESSES

CONCRETE $f_c=4,000$ psi
REINFORCING STEEL $F_y=60,000$ psi

TRAFFIC DATA

Current (1994) AADT 9690
Future (2014) AADT 13570
DHV - % of AADT 10
Design Hour Volume 1357
% Heavy Trucks (AADT) 7
% Heavy Trucks (DHV) 5
Directional Distribution (DHV) 53

Plans of the existing bridge are available for the
Contractor's reference at the Bridge Design Office
in Augusta. The plans are reproductions of original
drawings as prepared for the construction of the
bridge and it is very unlikely that the plans will
show any construction field changes or any altera-
tions which may have been made to the bridge during
its life span.

A Bridge Deck Evaluation report of the existing
bridge is available for the Contractor's reference
at the Bridge Design Office in Augusta. The report
contains visual inspection information and deck core
data of the bridge. There is no assurance that the
information or data is a true representation of the
conditions of the entire deck.

PIN 005316.00

F.R.S.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	STP-045-5316(00)X	1	16

MADISON - ANSON

INDEX OF SHEETS

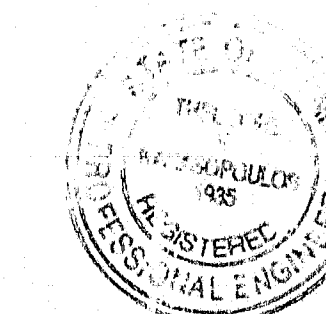
TITLE SHEET	1
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BRIDGE STANDARD DETAILS

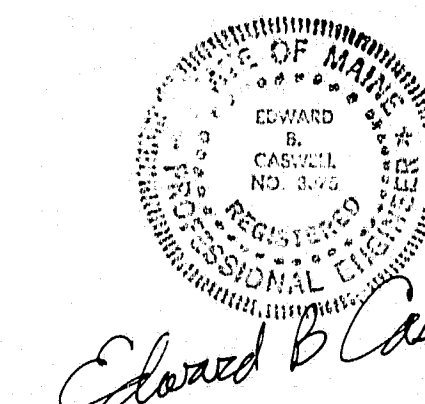
BD 301-93 EXPANSION DEVICE, COMPRESSION SEAL
BD 402-93 ALUMINUM BRIDGE RAILING, 3-BAR

HIGHWAY STANDARD DETAILS

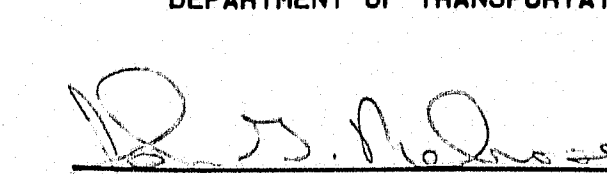
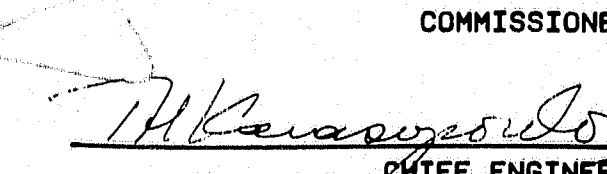
HD-4 REV. 1/95 CURBING
HD-6 REV. 2/94 TYPE 3 GUARDRAIL
HD-10 10/92 MAINTENANCE OF TRAFFIC
HD-11 10/92 MAINTENANCE OF TRAFFIC
HD 12 REV. 6/93 MAINTENANCE OF TRAFFIC
HD 13 10/92 PAVEMENT MARKINGS
HD 14 4/93 PEDESTRIAN RAMPS



114-422



CASWELL ENGINEERING, P.A.
Structural Consultants
38 Maine Street
Brunswick, Maine 04011
(207) 725-6221

APPROVED:  5/3/95
COMMISSIONER
 5/3/95
CHIEF ENGINEER

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1
APPROVED: _____
DIVISION ADMINISTRATOR DATE

PROJECT DESIGN ENGINEER	E.B.C.	DATE	4/75
DESIGN-DETAILED	J.A.B.	BY	J.C.C.
CHECKED	T.K.F.	DATE	4/75
REVISIONS			
FIELD CHANGES			

PLANS

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.127	Removing Existing Bituminous Pavement	1	LS
403.101	Hot Bituminous Pavement, Grading D (Sidewalks, Drives, Islands and Incidentals)	11	T
409.15	Bituminous Tack Coat, Applied	75	GAL
502.44	Structural Concrete Wearing Surfaces on Bridges	114	CY
502.4711	Silica Fume Additive	1	LS
507.101	Aluminum Bridge Railing, Remove, Modify, and Reset	1	LS
507.30	Aluminum Bridge Rail Splice Retrofit	85	EA
514.06	Curing Box for Concrete Cylinders	1	EA
515.21	Protective Coating for Concrete Surfaces	1	LS
518.30	Rehab of Structural Concrete Slab-to Reinf. Steel	930	SF
518.31	Rehab of Structural Concrete Slab-to below Reinf. Steel	930	SF
518.39	Repairing Granite Curb Bedding Mortar	250	LF
520.241	Bridge Joint Modification-Type 1	1	EA
526.301	Temporary Concrete Barrier-Type 1	1	LS
527.32	Portable Crash Barrels	5	EA
606.17	Guard Rail Type 3b-Single Rail	25	LF
606.21	Guard Rail Type 3b-15 Foot Radius and Less	25	LF
606.35	Guard Rail Delineator Post	2	EA
627.611	6 Inch Solid White Pavement Marking Line	1400	LF
627.63	4 Inch Solid Yellow Pavement Marking Line	2500	LF
627.65	White or Yellow Pavement and Curb Marking Line	75	SF
627.67	Removing Pavement Markings	1300	SF
627.68	Temp 4" Painted Pavement Marking Line, Yellow or White	3400	LF
639.19	Field Office Type "B"	1	EA
639.23	Testing Facilities Concrete	1	LS
643.72	Temporary Traffic Signal	1	LS
652.31	Type I Barricade	10	EA
652.312	Type III Barricade	5	EA
652.33	Drum	10	EA
652.34	Cone	10	EA
652.35	Construction Signs	280	SF
652.361	Maintenance of Traffic Control Devices	1	LS
659.10	Mobilization	1	LS

GENERAL CONSTRUCTION NOTES:

- Dimensions shown are from existing plans and may differ from actual field dimensions. Field verify all dimensions prior to construction.
- Protective coating for concrete surfaces shall be applied to all exposed surfaces of new concrete.
- All concrete shall contain a silica fume additive.
- The Contractor shall field verify location and size of existing traffic islands and provide necessary survey control to reinstall traffic islands in their existing locations. Existing granite curbing damaged during removal and reinstallation shall be replaced by the Contractor. Payment for removing existing concrete and bituminous sidewalks, removing, modifying and resetting granite curbs and traffic islands, regrading fore or back slopes and applying 2" of loam, seed method #2 and mulch, including subgrade preparation, will be incidental to Item 403.101 Hot Bituminous Pavement, Grading D (Sidewalks, Drives, Islands and Incidentals).
- All utility facilities shall be adjusted by the respective utilities unless noted. Utilities: NYNEX, Central Maine Power, Anson/Madison Sanitary District, Madison Water District, Somerset Telephone, Longfellow Communications, Bee-Line TV, MCRR, Madison Electric Works, Town of Madison, Town of Anson.
- The upturned ends of the compression seals shall be sealed in a manner approved by the Engineer.
- Replace any missing bridge rail end caps. Replace missing bridge rail anchor bolts and tighten existing nuts. Payment will be incidental to Item 507.101 Aluminum Bridge Railing, Remove, Modify and Reset.
- Shop drawings of the existing joint armor are available for the Contractor's reference at the Bridge Design Office in Augusta.
- The Contractor's operations shall be conducted such that traffic will not travel on an unsurfaced concrete deck at any time. Existing bituminous pavement shall be removed and new concrete wearing surface shall be placed to facilitate this requirement.
- Payment for removal of top rail of 3-bar aluminum bridge and approach rail, modification of rail posts, transition from 3-bar to 2-bar rail and transition from 2-bar aluminum to type 3b guard rail and adjustment of approach rail and rail posts at sidewalk modifications including related aluminum shapes, hardware, accessories, and installation will be made under Item 507.101, Aluminum Bridge Railing, Remove, Modify & Reset.
- Unused portions of aluminum railing and hardware shall be delivered to the nearest MDOT maintenance yard. Payment will be considered incidental to Item 507.101 Aluminum Bridge Railing, Remove, Modify and Reset.
- Payment for repair of bent joint armor will be made under Item 520.241 Bridge Joint Modification-Type 1.
- The existing concrete shall be removed so as not to damage existing longitudinal and transverse reinforcing steel or expansion joint armor in the superstructure. Any damaged reinforcing steel or expansion joint armor shall be replaced at the Contractor's expense.
- Existing reinforcing steel to remain shall be cleaned as directed prior to placing new concrete.
- The top of the concrete slab where concrete has been removed or rehabilitated shall be prepared to a suitable surface to receive the concrete pavement by a method approved by the Engineer. Payment for all labor, materials, and equipment will be incidental to related contract items.
- Payment for the removal and disposal of the existing Type 3b Guard Rail will be considered incidental to Item 606.17 Guardrail Type 3b-Single Rail.
- Payment for removing and resetting existing terminal end will be considered incidental to Item 606.17 Guardrail Type 3b-Single Rail.
- Sawcut pavement at face of existing traffic island granite curbs to minimize disruption of pavement during removal and reinstallation of granite curbs. Payment will be incidental to Item 403.101, Hot Bituminous Pavement, Grading D (Sidewalks, Drives, Islands and Incidentals).

PIN 005316.00

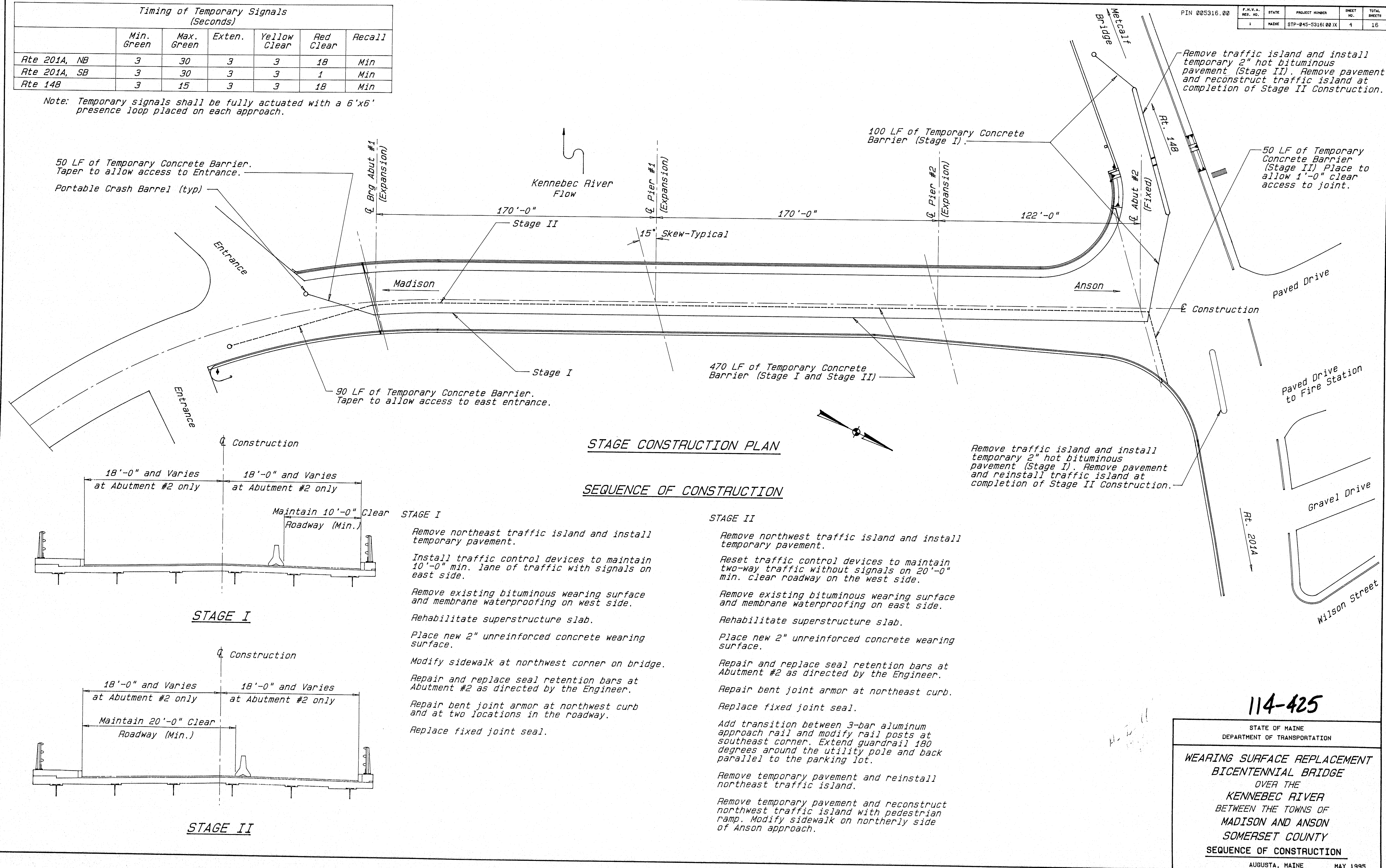
F.R.V.A. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	STP-045-53161 (00) X	2	16

114-423

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
WEARING SURFACE REPLACEMENT
BICENTENNIAL BRIDGE
OVER THE
KENNEBEC RIVER
BETWEEN THE TOWNS OF
MADISON AND ANSON
SOMERSET COUNTY
ESTIMATED QUANTITIES
AUGUSTA, MAINE MAY 1995

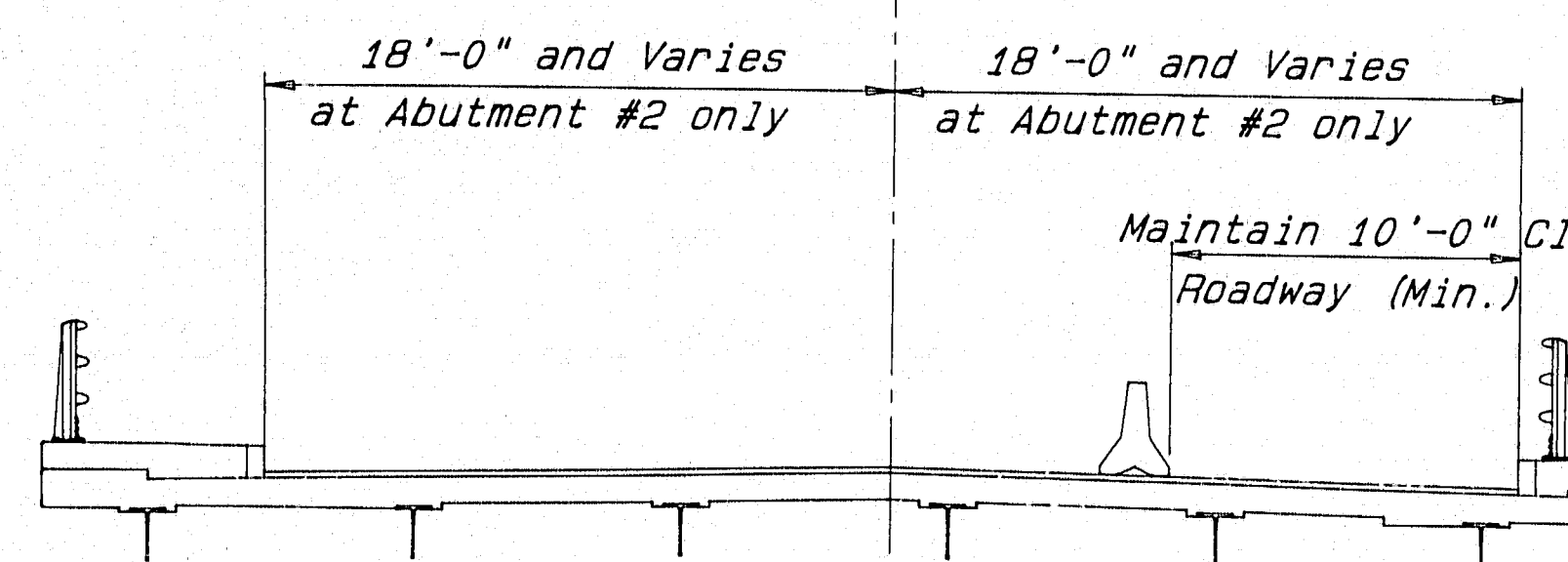
Timing of Temporary Signals (Seconds)						
	Min. Green	Max. Green	Exten. Green	Yellow Clear	Red Clear	Recall
Rte 201A, NB	3	30	3	3	18	Min
Rte 201A, SB	3	30	3	3	1	Min
Rte 148	3	15	3	3	18	Min

Note: Temporary signals shall be fully actuated with a 6'x6' presence loop placed on each approach.

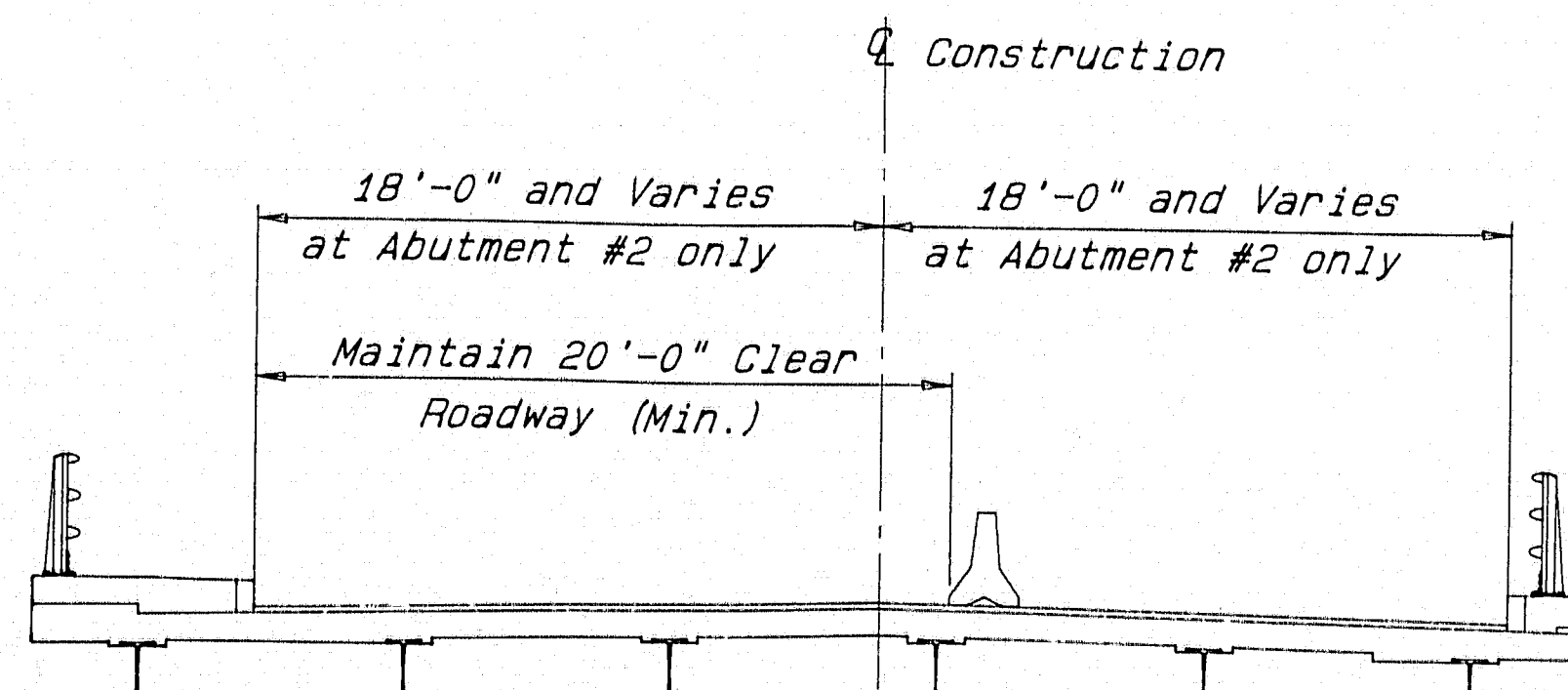


STAGE CONSTRUCTION PLAN

SEQUENCE OF CONSTRUCTION



STAGE I



STAGE II

STAGE I

- Remove northeast traffic island and install temporary pavement.
- Install traffic control devices to maintain 10'-0" min. lane of traffic with signals on east side.
- Remove existing bituminous wearing surface and membrane waterproofing on west side.
- Rehabilitate superstructure slab.
- Place new 2" unreinforced concrete wearing surface.
- Modify sidewalk at northwest corner on bridge.
- Repair and replace seal retention bars at Abutment #2 as directed by the Engineer.
- Repair bent joint armor at northwest curb and at two locations in the roadway.
- Replace fixed joint seal.

STAGE II

- Remove northwest traffic island and install temporary pavement.
- Reset traffic control devices to maintain two-way traffic without signals on 20'-0" min. clear roadway on the west side.
- Remove existing bituminous wearing surface and membrane waterproofing on east side.
- Rehabilitate superstructure slab.
- Place new 2" unreinforced concrete wearing surface.
- Repair and replace seal retention bars at Abutment #2 as directed by the Engineer.
- Repair bent joint armor at northeast curb.
- Replace fixed joint seal.
- Add transition between 3-bar aluminum approach rail and modify rail posts at southeast corner. Extend guardrail 180 degrees around the utility pole and back parallel to the parking lot.
- Remove temporary pavement and reinstall northeast traffic island.
- Remove temporary pavement and reconstruct northwest traffic island with pedestrian ramp. Modify sidewalk on northerly side of Anson approach.

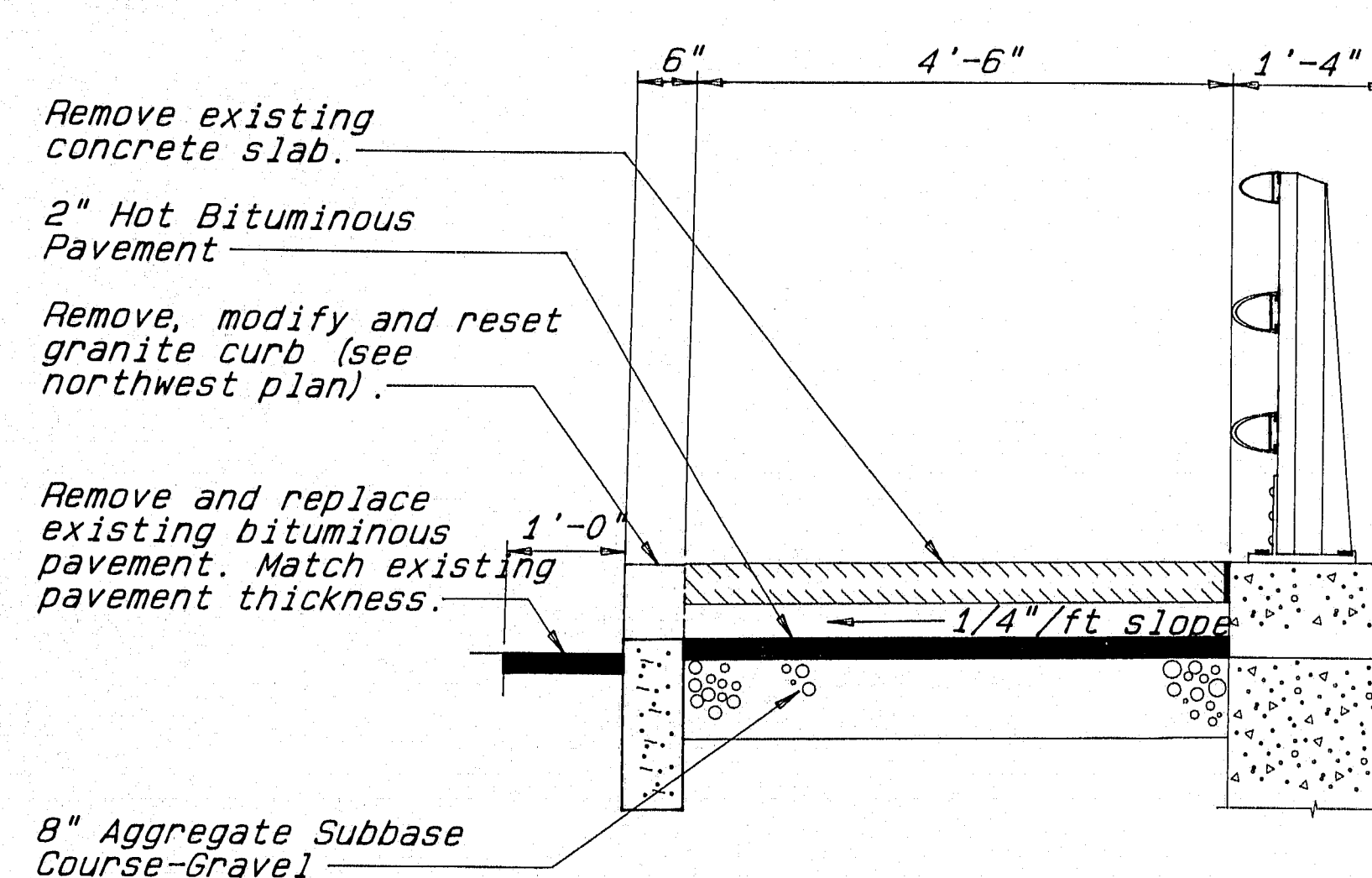
PROJECT DESIGN ENGINEER	DATE
DESIGNED BY	4/95
CHECKED BY	J.C.C.
APPROVED BY	T.A.F. / J.K.M.
REVISIONS	
FIELD CHANGES	

114-425

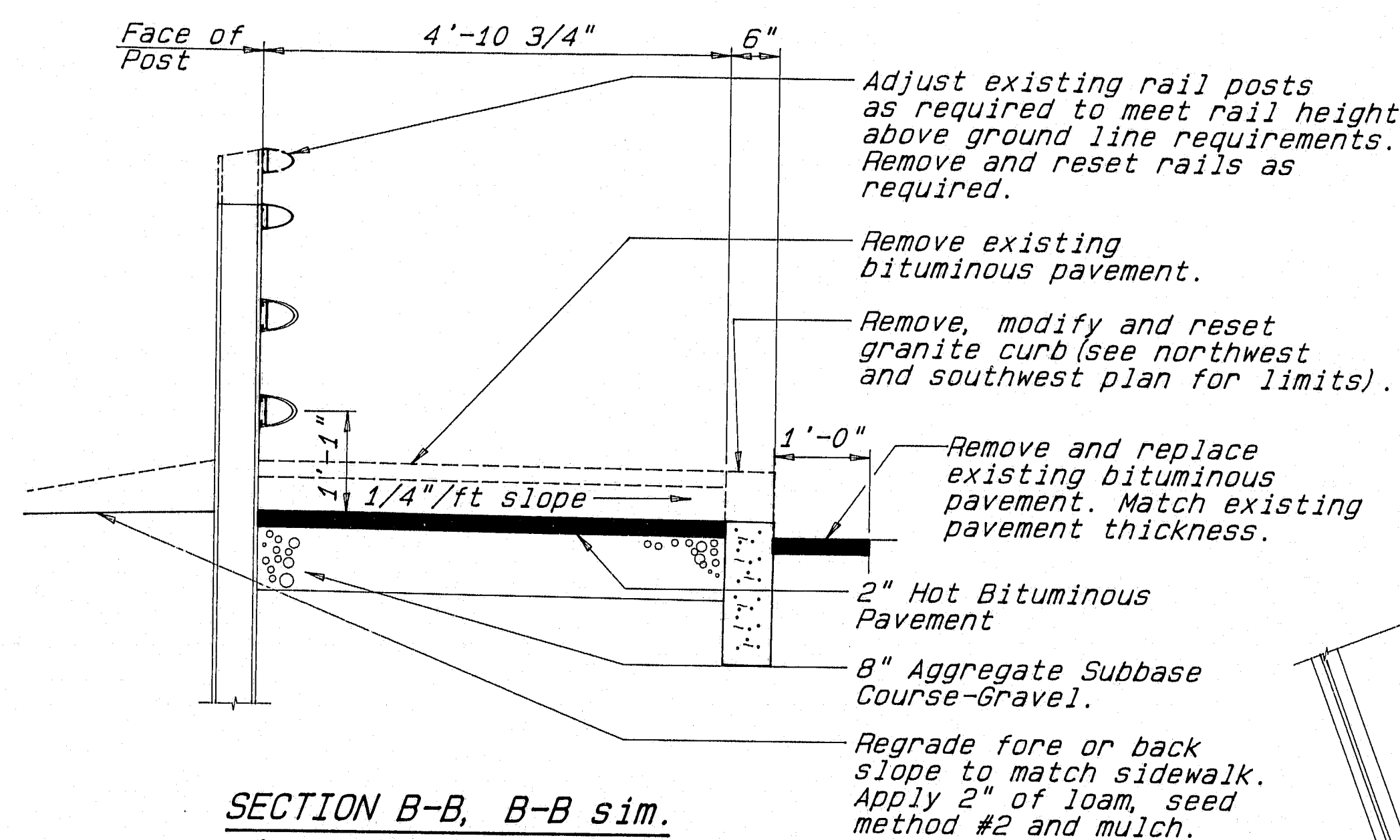
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
WEARING SURFACE REPLACEMENT
BICENTENNIAL BRIDGE
OVER THE
KENNEBEC RIVER
BETWEEN THE TOWNS OF
MADISON AND ANSON
SOMERSET COUNTY
SEQUENCE OF CONSTRUCTION
AUGUSTA, MAINE MAY 1995

PIN 005316.00

REV.	DATE	BY	CHKD.	APP'D.	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1		NAME			STP-045-53161-00 IX	5	16

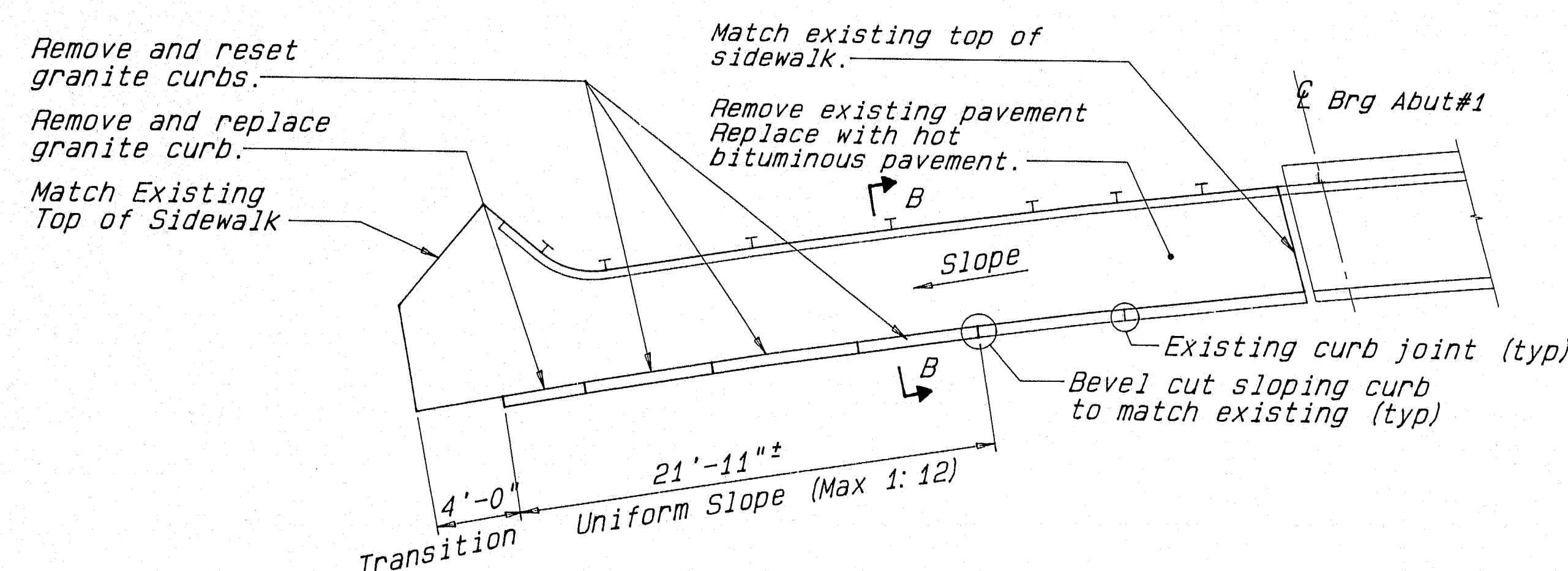


SECTION A-A



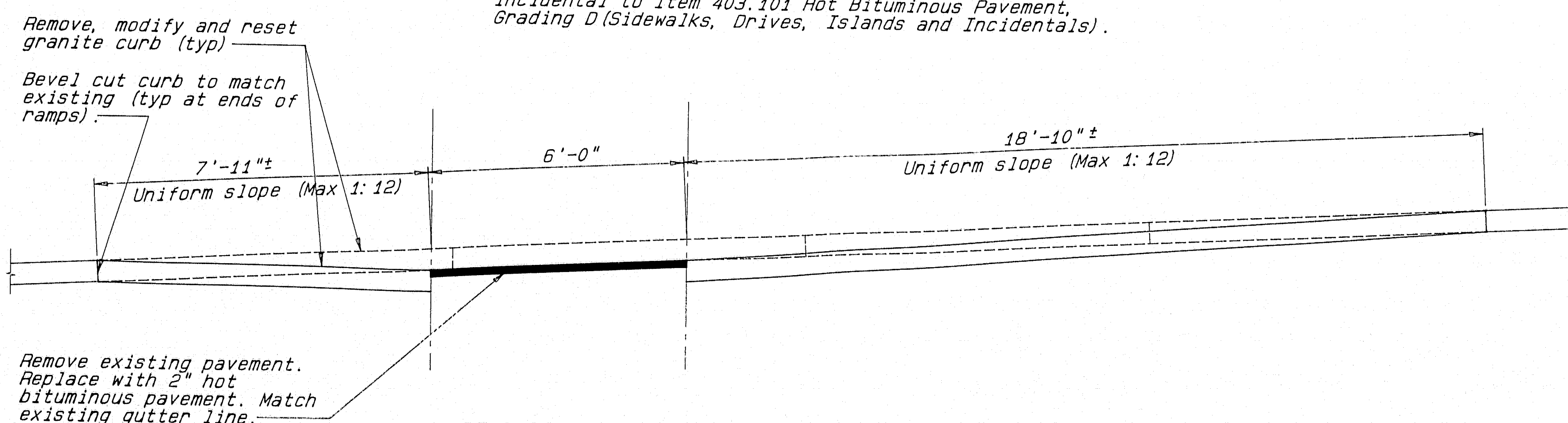
SECTION B-B, B-B sim.

(Note: No approach rail at section B-B sim.)

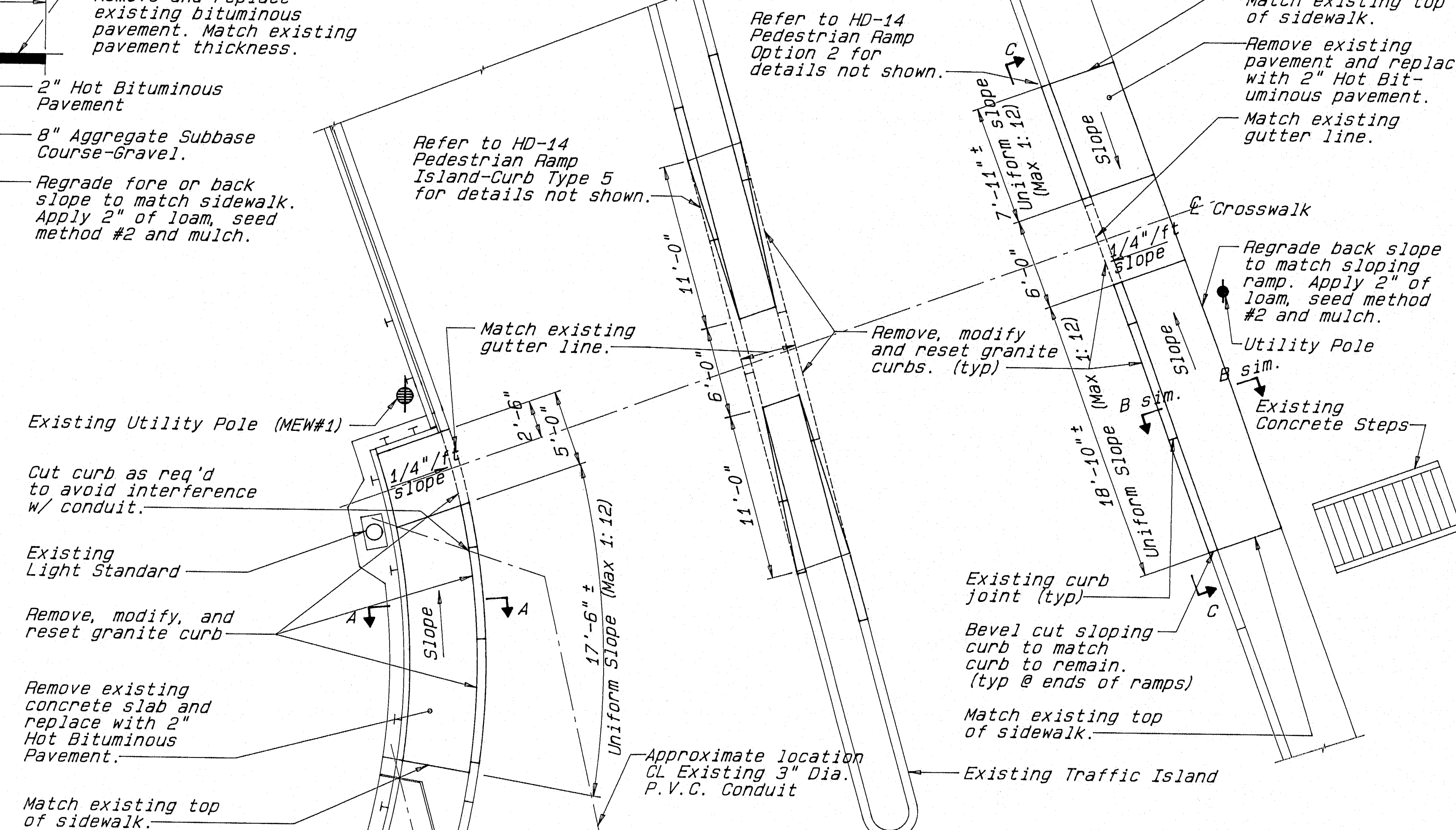


PLAN - SOUTHWEST SIDEWALK MODIFICATIONS

Payment for sidewalk modification will be considered incidental to Item 403.101 Hot Bituminous Pavement, Grading D (Sidewalks, Drives, Islands and Incidentals).



SIDEWALK ELEVATION SECTION C-C



PLAN - NORTHWEST SIDEWALK MODIFICATIONS

Payment for sidewalk modifications will be considered incidental to Item 403.101 Hot Bituminous Pavement, Grading D (Sidewalks, Drives, Islands, and Incidentals).

LEGEND

	Existing Concrete (to remain)
	New Concrete
	Existing Concrete (to be removed)
	Existing Granite (to be removed and reset)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WEARING SURFACE REPLACEMENT
BICENTENNIAL BRIDGE
OVER THE
KENNEBEC RIVER
BETWEEN THE TOWNS OF
MADISON AND ANSON
SOMERSET COUNTY
SIDEWALK MODIFICATION DETAILS

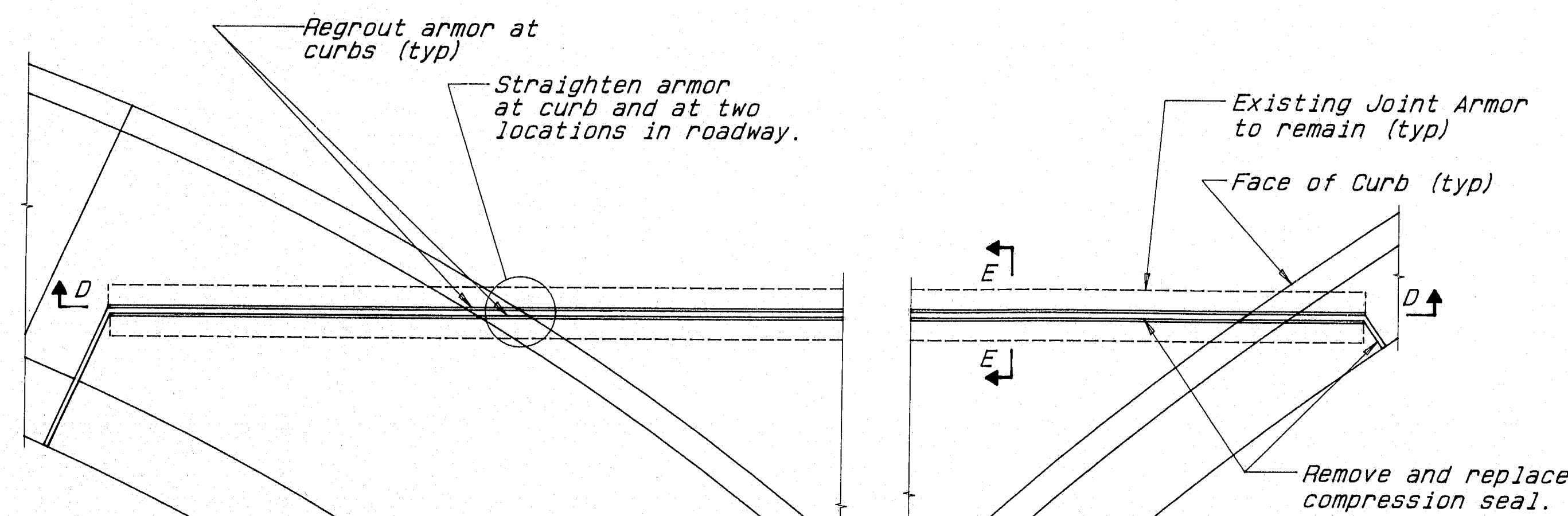
AUGUSTA, MAINE MAY 1995

114 426

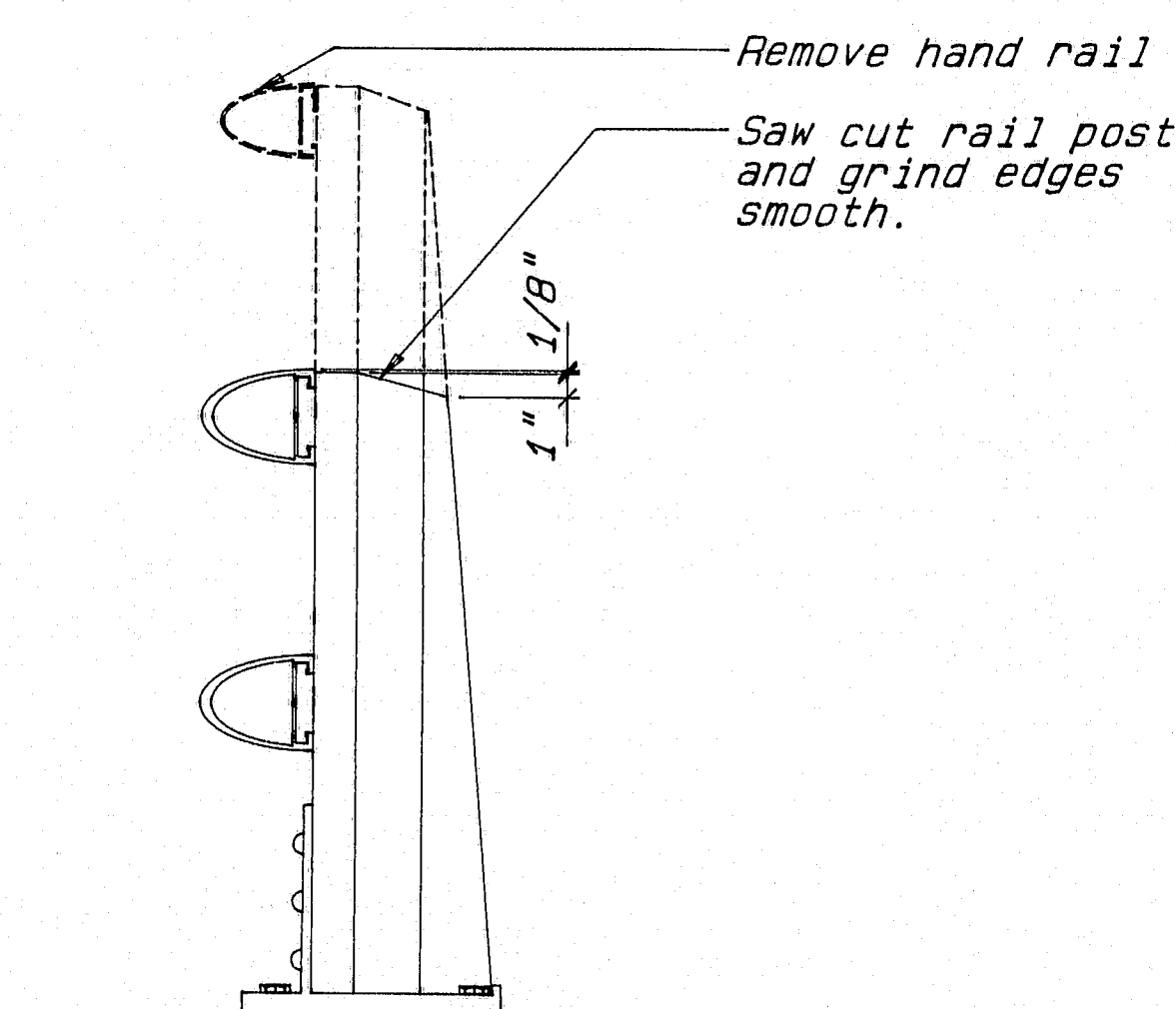
PROJECT DESIGN ENGINEER	DATE
BY	DATE
DESIGN-DETAILED	DATE
RECORD	DATE
FIELD CHANGES	DATE

PIN 005316.00

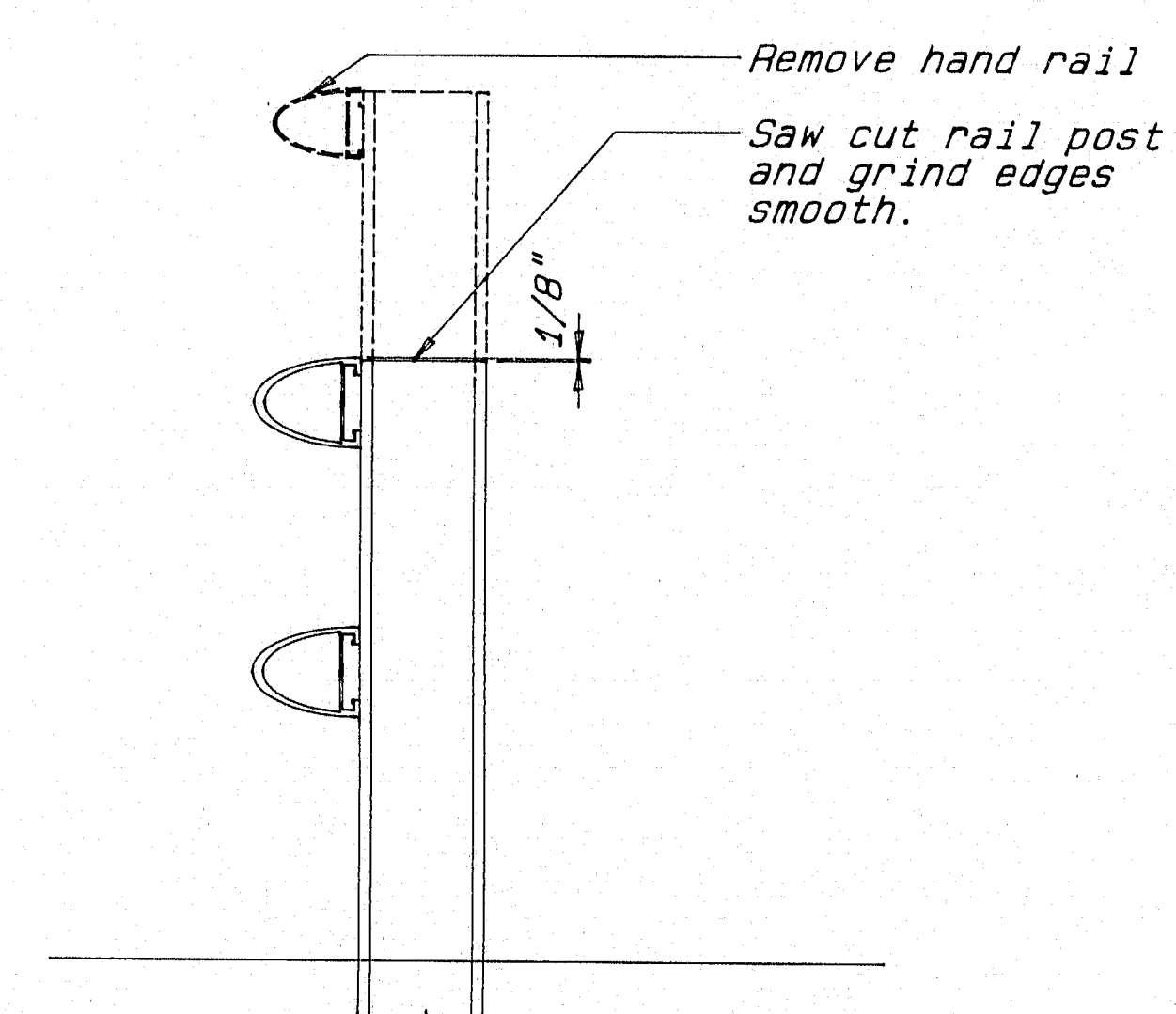
F.R.N.A. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	STP-045-5316(00)X	6	16



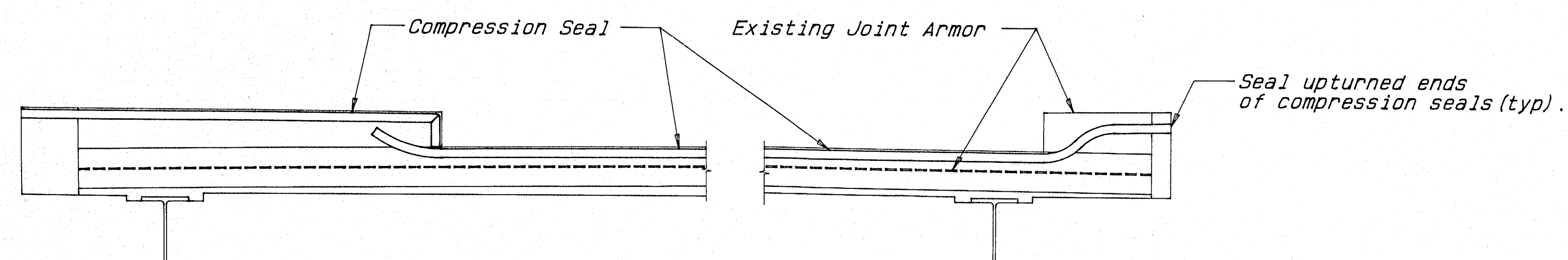
PLAN-BRIDGE JOINT MODIFICATION TYPE 1
Abutment #2



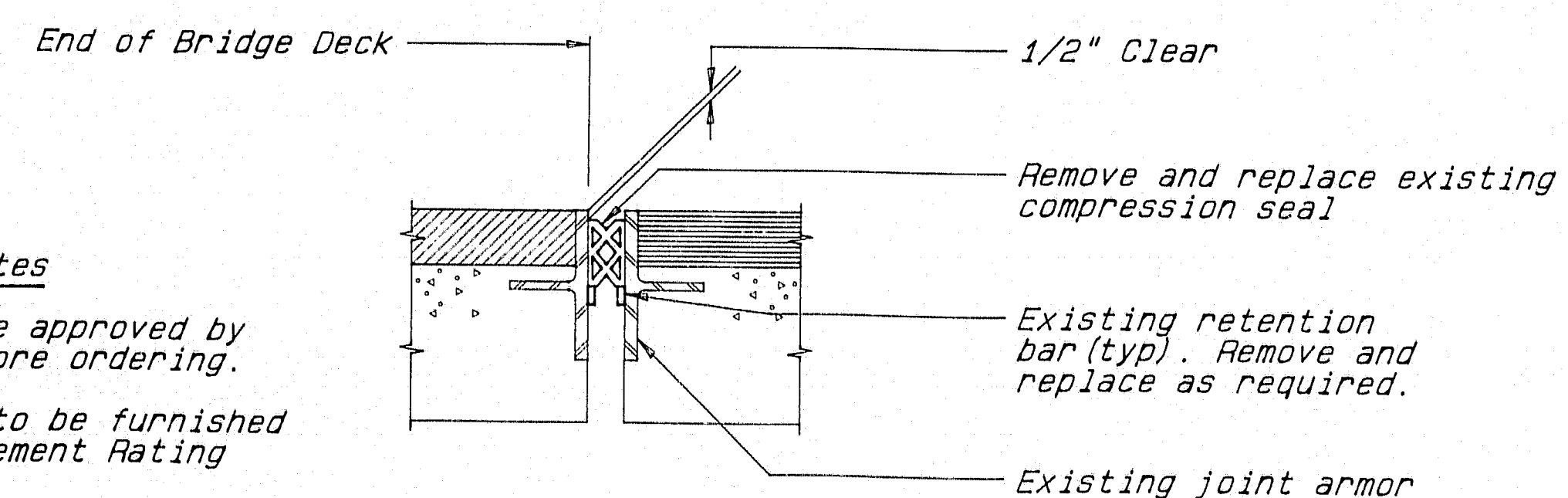
BRIDGE RAIL POST MODIFICATION DETAIL



APPROACH RAIL POST MODIFICATION DETAIL



SECTION D-D



SECTION E-E

Compression Seal Notes

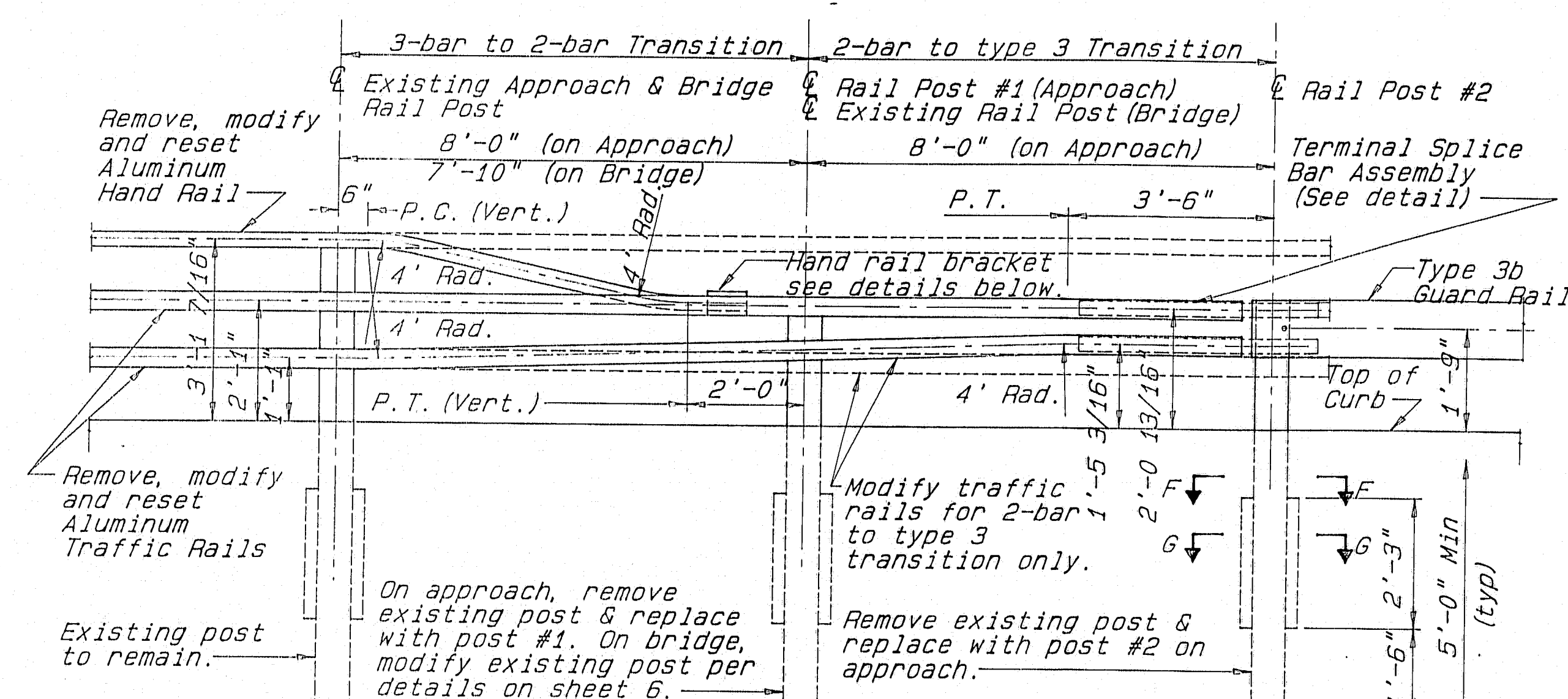
1. The seal shall be approved by the Engineer before ordering.
2. The joint seals to be furnished shall have a Movement Rating of 5/8 inches.

PROJECT DESIGN ENGINEER	DATE
REVISIONS	BY
1. JAB J.C.C. 4/95	
2. T&E J.L.M. 4/95	
3. FIELD CHANGES	
PLANS	

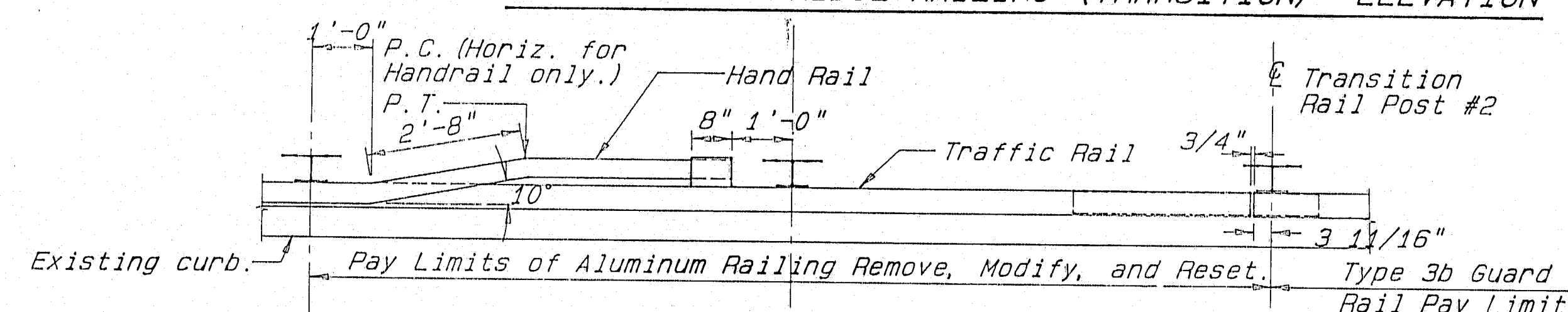
114-427

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
WEARING SURFACE REPLACEMENT
BICENTENNIAL BRIDGE
OVER THE
KENNEBEC RIVER
BETWEEN THE TOWNS OF
MADISON AND ANSON
SOMERSET COUNTY
MISCELLANEOUS DETAILS
AUGUSTA, MAINE HAY 1995

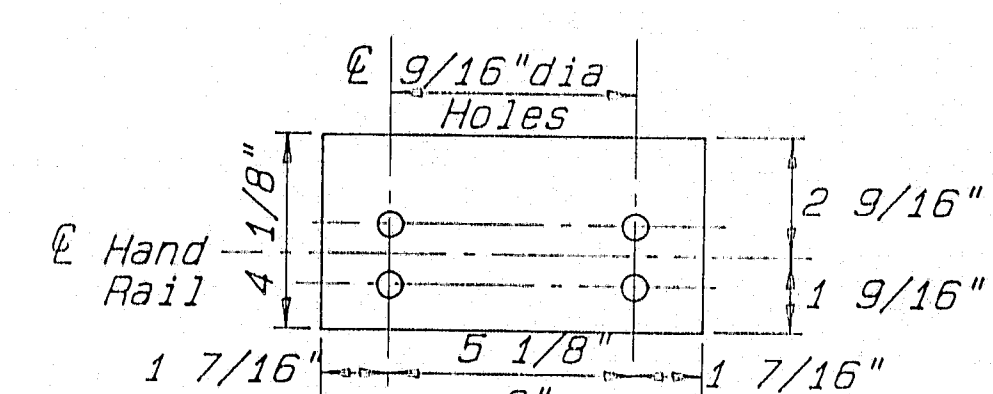
PIN 005316.00	F.H.V.A. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	1	MAINE	STP-045-5316(02)X	7	12



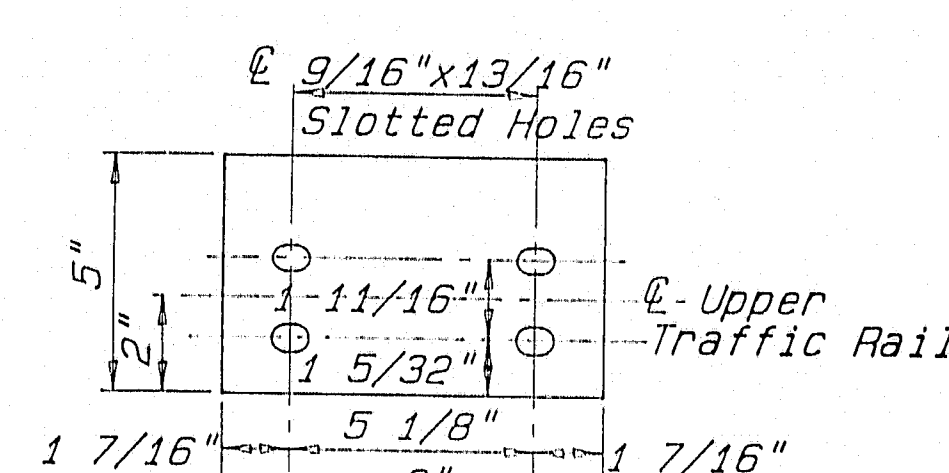
APPROACH AND BRIDGE RAILING (TRANSITION) - ELEVATION



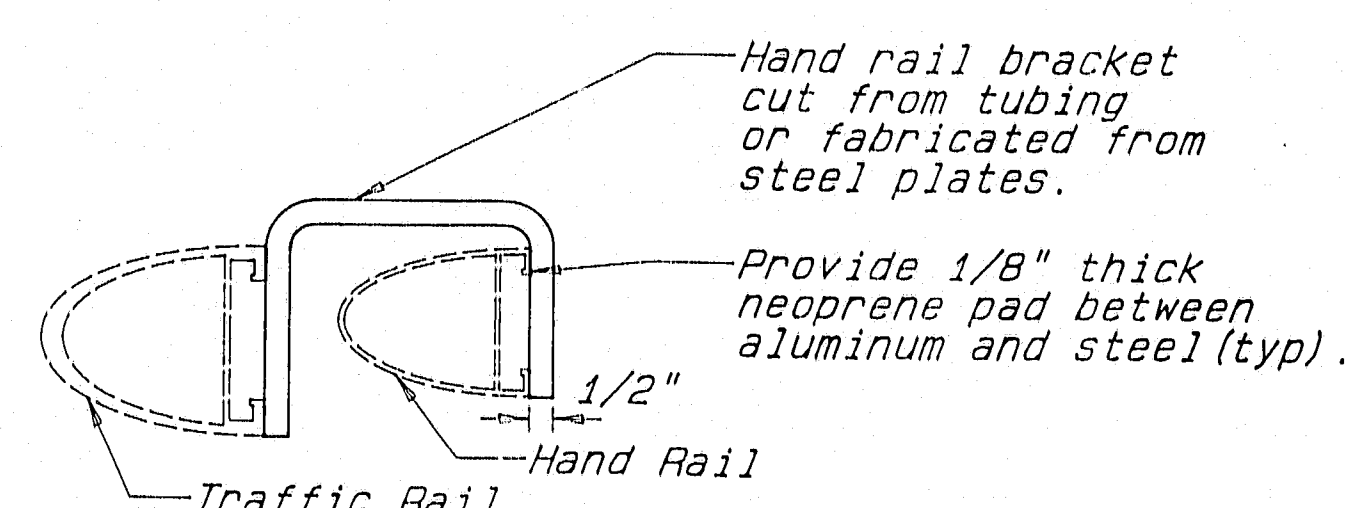
APPROACH AND BRIDGE RAILING (TRANSITION) - PLAN



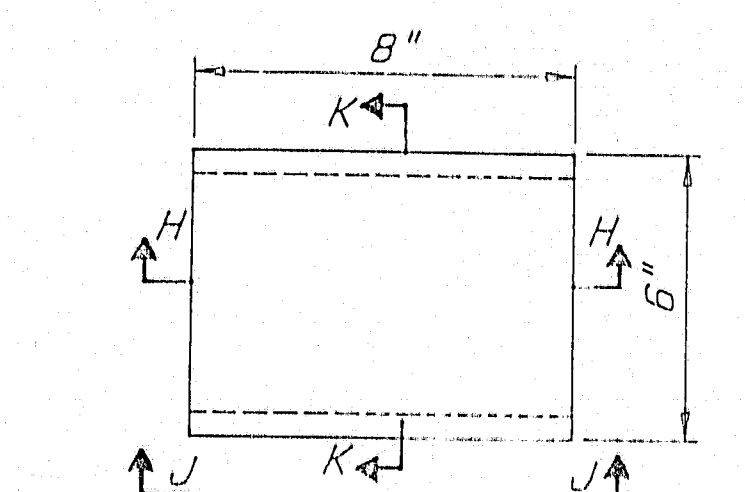
SECTION H-H



SECTION J-J

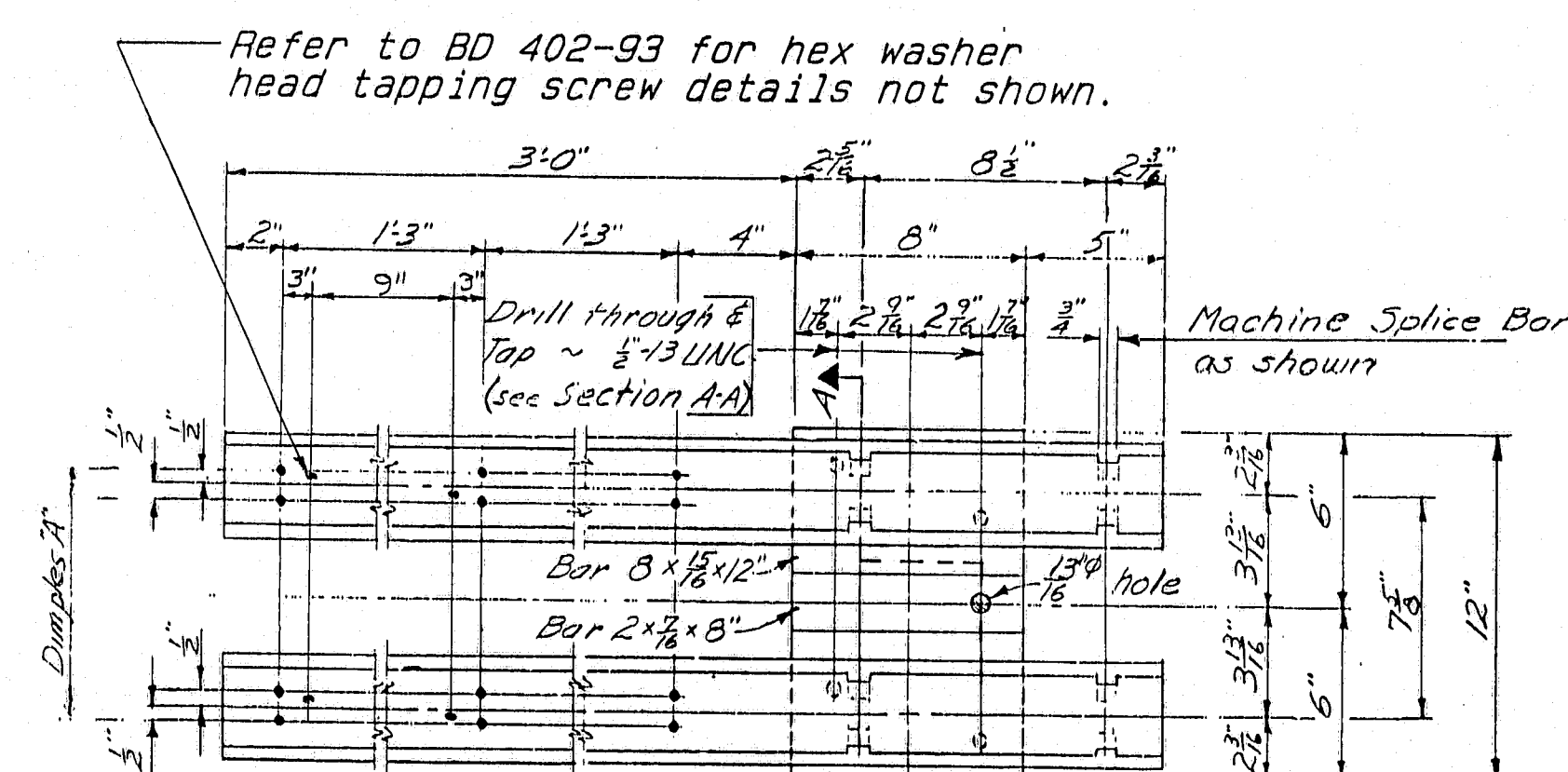


SECTION K-K

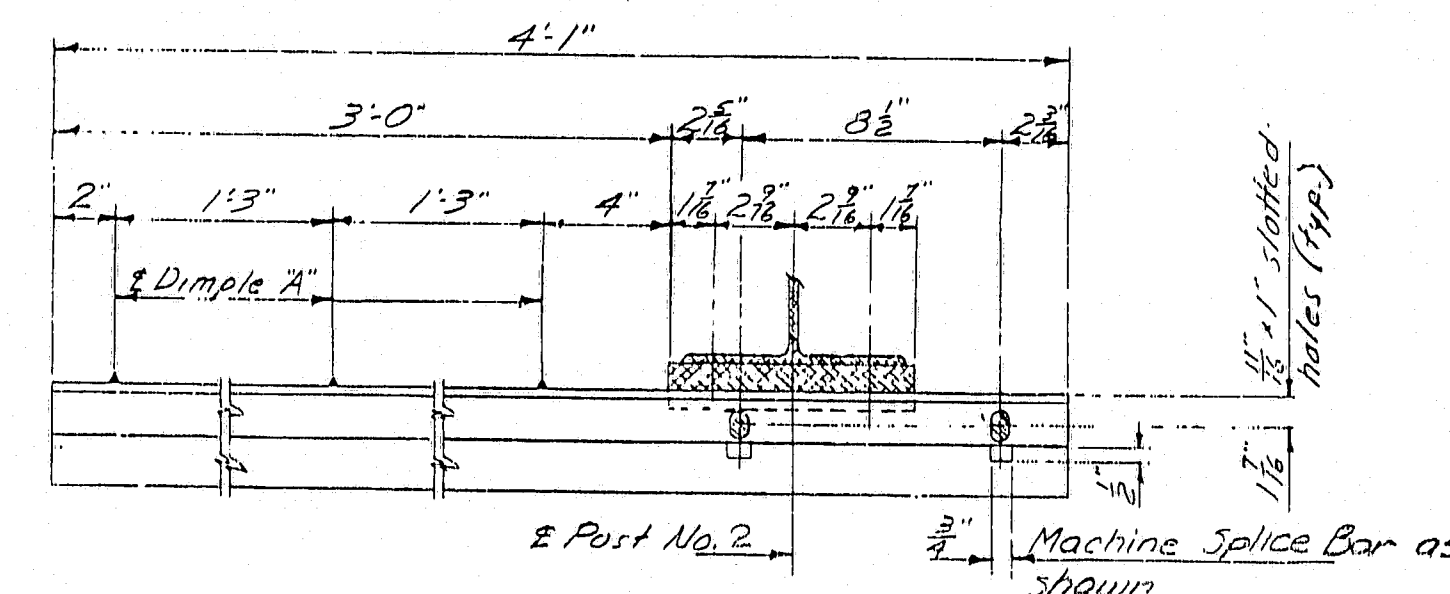


PLAN-HAND RAIL BRACKET

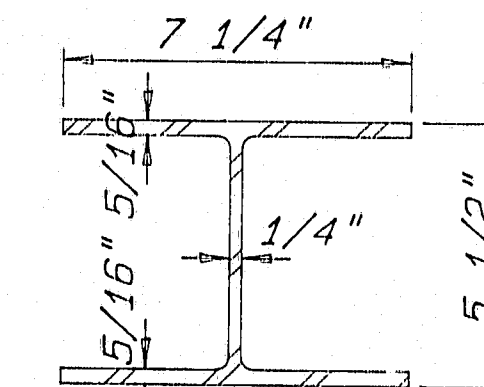
- NOTES:
1. Clamp bracket to upper traffic rail and hand rail brackets using standard clamp bars, S.S. hex head cap screws and aluminum washers.
 2. Work this sheet with standard sheet (BD 402-g3)
 3. Hand rail brackets shall be galvanized in accordance with ASTM A123 after fabrication.



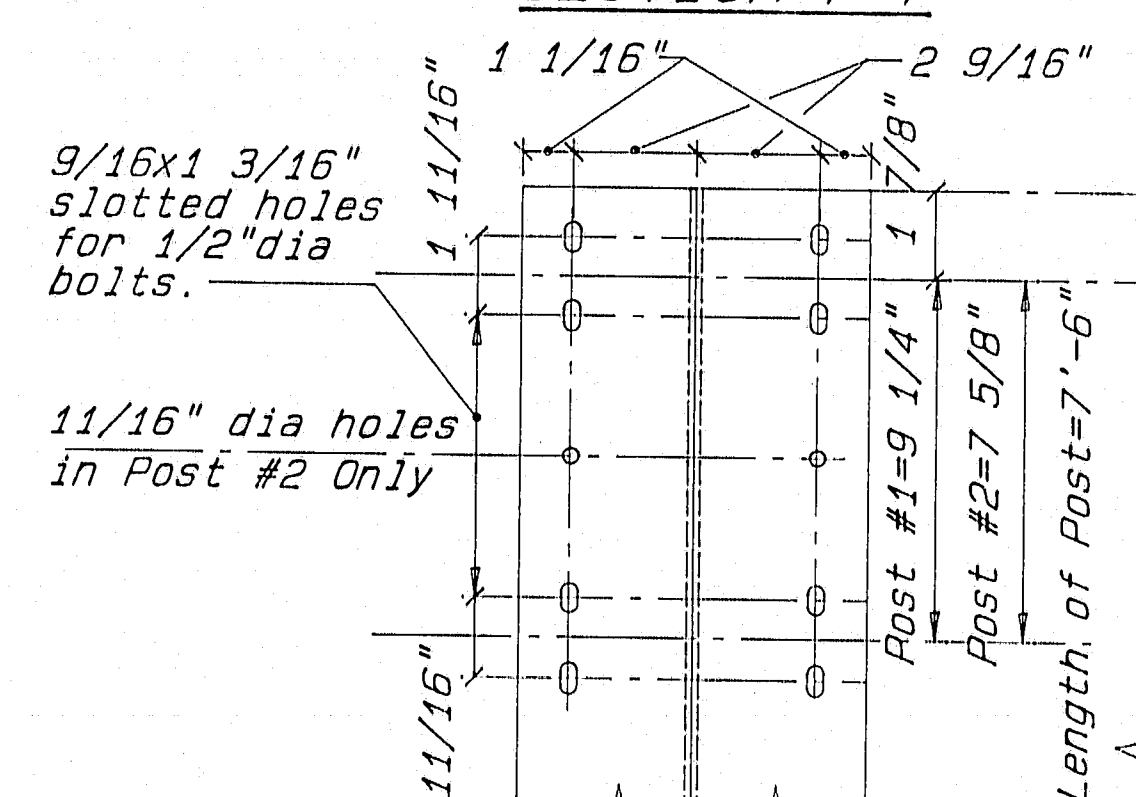
ELEVATION-TERMINAL SPLICE *E Post No.*
BAR ASSEMBLY DETAIL



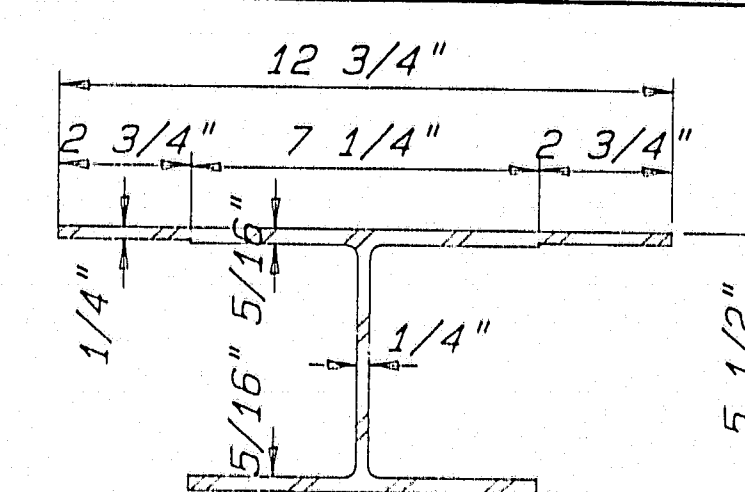
PLAN-TERMINAL SPLICE
BAR ASSEMBLY DETAIL



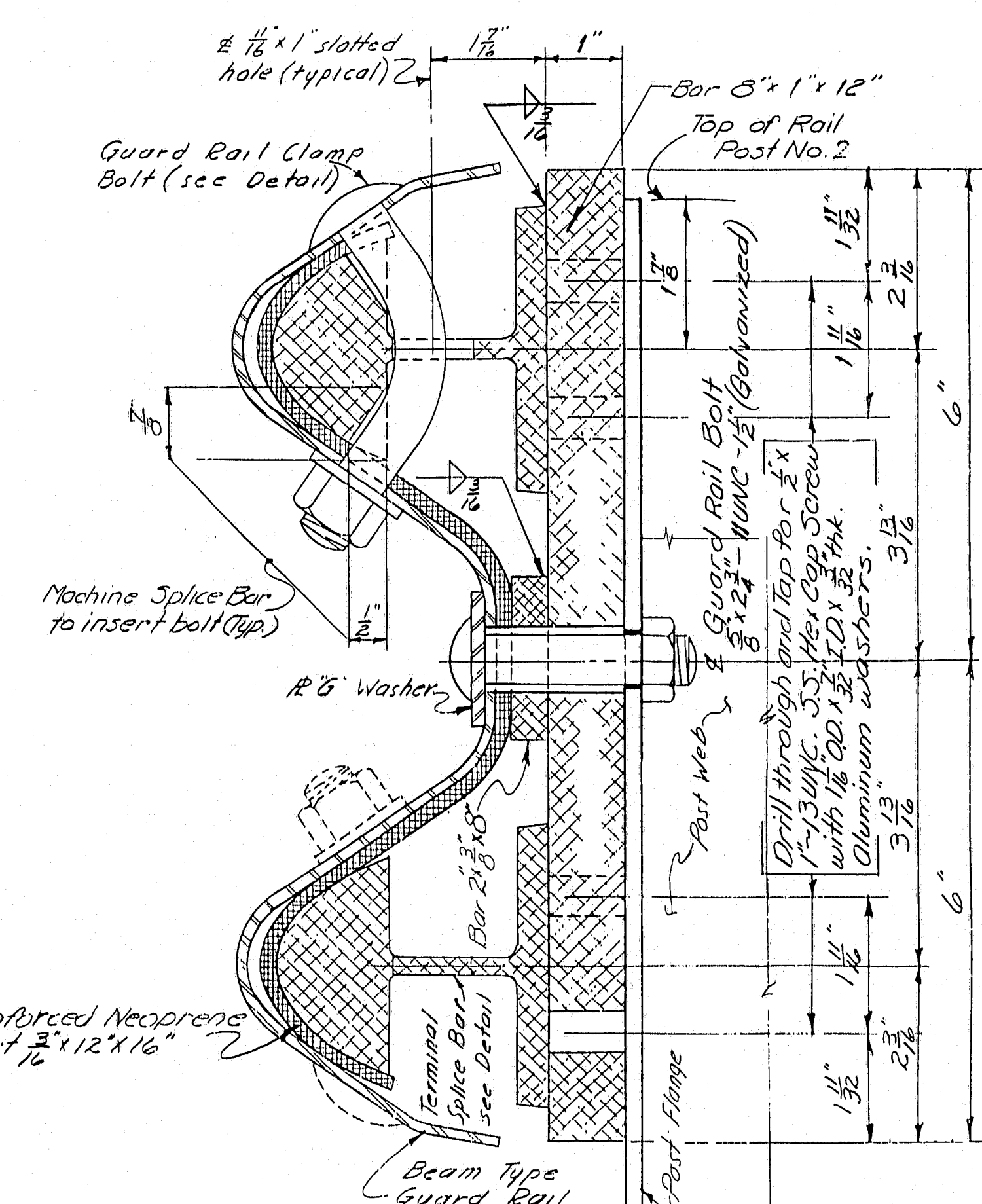
SECTION F-F



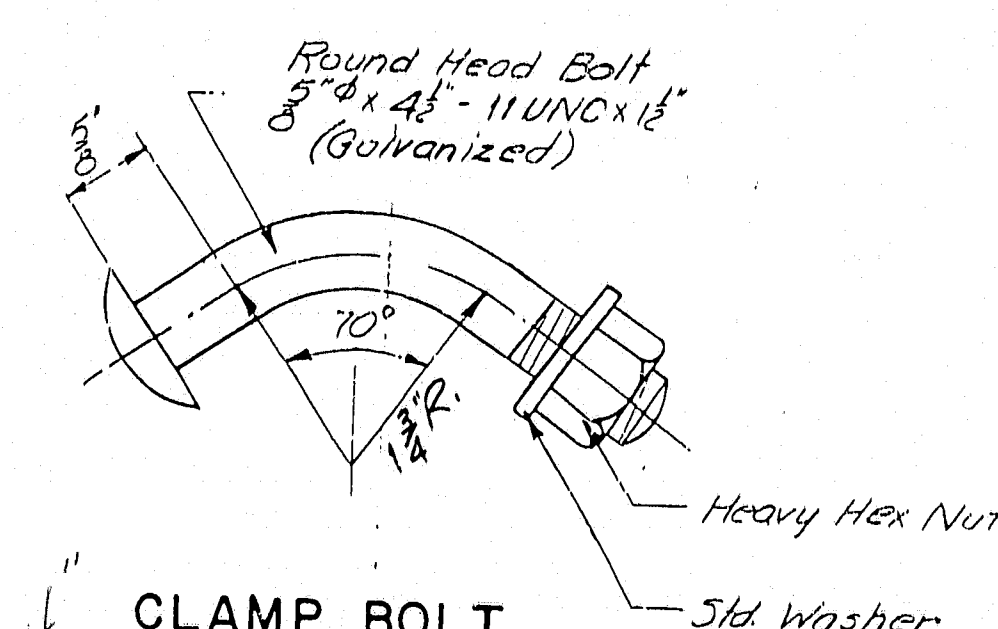
APPROACH¹ TRANSITION RAIL POST #1



SECTION G-G



SECTION AA



CLAMP BOLT
DETAIL

114-428

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

*WEARING SURFACE REPLACEMENT
BICENTENNIAL BRIDGE
OVER THE
KENNEBEC RIVER
BETWEEN THE TOWNS OF
MADISON AND ANSON
SOMERSET COUNTY
ALUMINUM RAIL TRANSITION DETAILS*

AUGUSTA, MAINE MAY 1995



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300351	1	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 0 + 09	Offset, ft: 16.5, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.25" - 6.75"	6370.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.75-3.25	0.41
6.75-7.25	0.26



Comments:

Final report. Core #1, Madison/Anson, Bridge #2491.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **2/13/2018**

Paper Copy: *Structure File* Electronic: *Customer* —



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300360	10	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 3 + 93	Offset, ft: 2.5, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.0" - 7.5"	4120.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	2.18
3.5-4.0	1.65



Comments:

Final report. Core #10, Madison/Anson, Bridge #2491.

AUTHORIZATION AND DISTRIBUTION

Reported by: **ROBERT HARADON**

Date Reported: **2/13/2018**

Paper Copy: *Structure File* Electronic: *Customer* —



BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300361	11	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 4 + 20	Offset, ft: 25, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	5.5" - 8.5"	7060.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
3.0-3.5	1.27
4.0-4.5	0.79
5.0-5.5	0.44



Comments:

Final report. Core #11, Madison/Anson, Bridge #2491.

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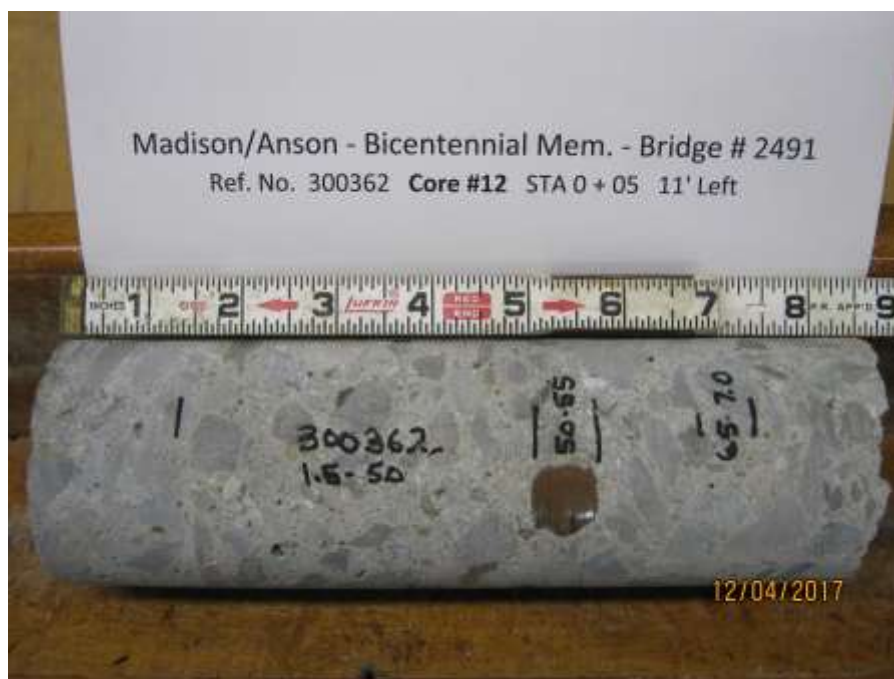
SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300362	12	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 0 + 05	Offset, ft: 11, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	1.5" - 5.0"	6530.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
5.0-5.5	0.23
6.5-7.0	0.22



Comments:

Final report. Core #12, Madison/Anson, Bridge #2491.

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300363	13	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 0 + 45	Offset, ft: 16, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.5" - 8.0"	5260.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
3.0-3.5	0.27
8.0-8.5	0.28



Comments:

Final report. Core #13, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300364	14	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 0 + 78	Offset, ft: 2, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1		
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.5-3.0	5.09
4.0-4.5	8.52



Comments:

Final report. Core #14, Madison/Anson, Bridge #2491.
Sample obtained was too small to perform compressive strength testing.

AUTHORIZATION AND DISTRIBUTION

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BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300365	15	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 1 + 15	Offset, ft: 6, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.5"-8.25"	6280.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	0.46
3.0-3.5	0.22



Comments:

Final report. Core #15, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300366	16	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 1 + 51	Offset, ft: 10, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.75" - 8.25"	6310.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	0.31
3.5-4.0	0.23



Comments:

Final report. Core #16, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300367	17	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 1 + 93	Offset, ft: 16.5, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.75" - 7.5"	6300.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.25-2.75	1.1
3.25-3.75	0.89
7.5-8.0	0.24



Comments:

Final report. Core #17, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300368	18	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 2 + 40	Offset, ft: 1, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.0" - 8.0"	5410.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	0.33
3.5-4.0	0.26



Comments:

Final report. Core #18, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300369	19	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA	Sample Location: ROADWAY		
WIN/Town	Bridge No.: 2491	Station: 2 + 72	Offset, ft: 8, LT	

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.0" - 8.0"	5600.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	0.41
3.5-4.0	0.24



Comments:

Final report. Core #19, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300352	2	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 0 + 58	Offset, ft: 6, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.25" - 6.75"	6250.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
1.5-2.0	4.32
2.5-3.0	5.55
6.75-7.25	2.78



Comments:

Final report. Core #2, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300370	20	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 3 + 15	Offset, ft: 16, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.5' - 8.0"	7390.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.5-3.0	0.36
4.0-4.5	0.21
8.0-8.5	0.22



Comments:

Final report. Core #20, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

Central Laboratory

SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300371	21	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 3 + 62	Offset, ft: 1, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1		
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	2.02
3.0-3.5	2.38
4.0-4.5	2.51



Comments:

Final report. Core #21, Madison/Anson, Bridge #2491.
Sample obtained was too small to perform compressive strength testing.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300372	22	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 3 + 92	Offset, ft: 7.5, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	5.0" - 7.5"	4090.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.5-3.0	1.35
4.0-4.5	1.34



Comments:

Final report. Core #22, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300373	23	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 4 + 27	Offset, ft: 10, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.5" - 7.5"	4950.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
1.5-2.0	2.3
3.0-3.5	3.96
7.5-8.0	0.9



Comments:

Final report. Core #23, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300374	24	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 4 + 50	Offset, ft: 27, LT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1		
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.5-3.0	0.64
4.0-4.5	0.4



Comments:

Final report. Core #24, Madison/Anson, Bridge #2491.
Sample obtained was too small to perform compressive strength testing.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300353	3	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 1 + 15	Offset, ft: 11, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.0" - 7.0"	5600.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	3.75
3.5-4.0	0.9
7.0-7.5	0.29



Comments:

Final report. Core #3, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300354	4	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 1 + 65	Offset, ft: 9, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.5" - 7.25"	5690.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
3.0-3.5	0.34
7.25-7.75	0.24



Comments:

Final report. Core #4, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300355	5	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 1 + 95	Offset, ft: 1, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	1.5" - 4.0"	7200.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
4.0-4.75	4.32
5.5-6.0	2.8
7.0-7.5	1.75



Comments:

Final report. Core #5, Madison/Anson, Bridge #2491.

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300356	6	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 2 + 37	Offset, ft: 17, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.5" - 7.25"	7480.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	1.25
3.0-3.5	0.85
7.25-7.75	0.28



Comments:

Final report. Core #6, Madison/Anson, Bridge #2491.

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300357	7	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 2 + 74	Offset, ft: 9.5, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	3.0" - 7.25"	5820.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.5-3.0	1.19



Comments:

Final report. Core #7, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300	8	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 2 + 95	Offset, ft: 4, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1		
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³



Comments:

Final report. Core #8, Madison/Anson, Bridge #2491.

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BRIDGE CORE TEST REPORT

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SAMPLE INFORMATION

Reference No.	Core No.	Sample Description	Sampled	Received
300359	9	BRIDGE CORE	11/14/2017	11/14/2017
Sample Type: OTHER	Sampler: LAMONT DUTRA		Sample Location: ROADWAY	
WIN/Town	Bridge No.: 2491		Station: 3 + 55	Offset, ft: 15, RT

TEST RESULTS

Compressive Strength (T 22)		
	Location, inch	Strength, psi
Specimen 1	4.0" - 7.5"	6910.00
Specimen 2		
Specimen 3		

Chloride Content (T 260)	
Location, inch	Chloride Level, lb/yd ³
2.0-2.5	3.14
3.5-4.0	1.18
7.5-8.0	0.29



Comments:

Final report. Core #9, Madison/Anson, Bridge #2491.

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