

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



PORTLAND
CUMBERLAND COUNTY
INTERSTATE 295 NORTHBOUND
BRIDGE REHABILITATION
PROJECTS

IM-1792(900)E

PROJECT LENGTH 0.5 mi.
WEARING SURFACE REPLACEMENTS,
DECK REHABILITATIONS, JOINT MODIFICATIONS,
ENDPOST REPLACEMENTS, DRAIN AND
RAILING REPAIRS

BRIDGE NUMBERS:
3088, 0816, 5617,
5616, 5618

MATERIALS

Concrete (Unless noted otherwise)..... Class "A"
Concrete (Curbs & Transition Barriers)..... Class "LP"
Reinforcing Steel..... ASTM A 615/A 615M, Grade 60
Structural Steel: All Material..... ASTM A 36/A 36M

BASIC DESIGN STRESSES

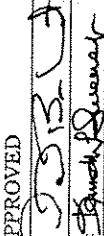
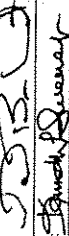
Concrete..... $f'c = 4,350$ psi
Reinforcing Steel..... $fy = 60,000$ psi

MAINTENANCE OF TRAFFIC

The Contractor shall coordinate all maintenance of traffic with the highway work.
See also Phasing Plans, Traffic Control Plans and Special Provisions 105, 107 and 652.

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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED 	DATE 4/18/11
COMMISSIONER		CHIEF ENGINEER 

STATE OF MAINE DEPARTMENT OF TRANSPORTATION PORTLAND & CUMBERLAND COUNTIES No. 6432	SIGNATURE 	P.E. NUMBER 6432	DATE 3/12/11
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PROJECT INFORMATION	Bridge	Note Book	Don Ertmer	PHB
PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR
PROJECT COMPLETION DATE				

INTERSTATE 295 NORTHBOUND PORTLAND CUMBERLAND COUNTY	TITLE SHEET
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SHEET NUMBER 1 OF 40

* Undetermined Location

Notes:

1. Estimated Quantities for each bridge are provided here for reference purposes only.
2. Quantities for Highway Preservation Project are not included on this sheet. See schedule of items in the contract bid book for total quantities.



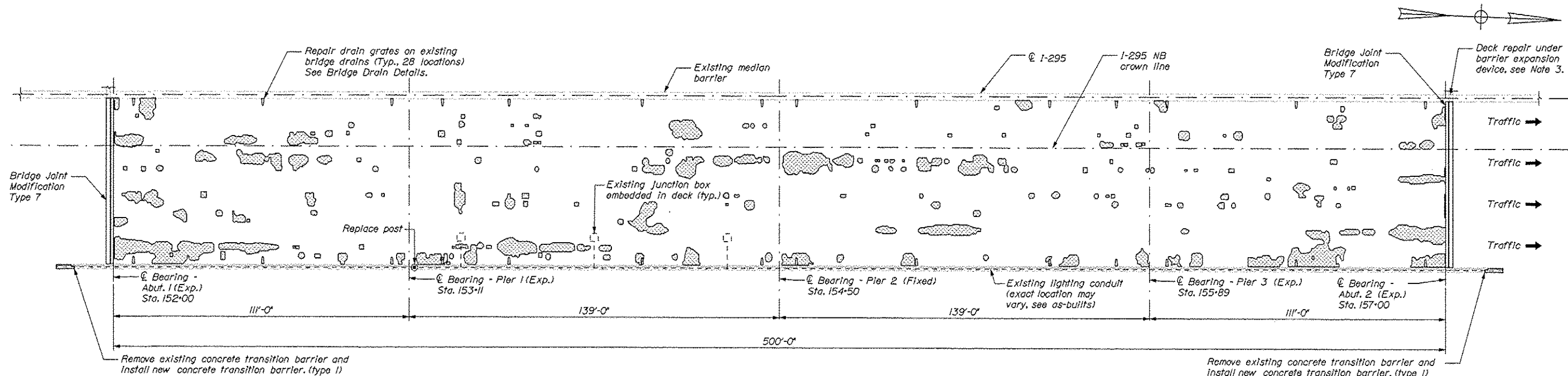
4 OF 40	SHEET NUMBER	INTERSTATE 295 NORTHBOUND PORTLAND CUMBERLAND COUNTY LOCATION MAP	PROJ. MANAGER	DATE	BY	DATE
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			FIELD CHANGES			
			STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E PIN BRIDGE NO. Varies 17929.00 BRIDGE PLANS			

Date: 3/15/2011

Username: mcundiff

Division: BRIDGE

Filename: 005_PlanSec-Tukeys.dgn



INTERSTATE 295 NORTHBOUND OVER BACK COVE (TUKEY'S BRIDGE)

Portland ~ Bridge No. 3088
N.T.S.

NOTES:

1. Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Approximate locations for deck repairs are shown on the plan. Exact locations may vary and shall be determined in the field. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items. See Note 3.

2. Contractor shall repair areas of deteriorated granite curb bedding mortar on the deck as directed by the Resident. Locations of deteriorated granite curb bedding mortar are undetermined. (Typ.)

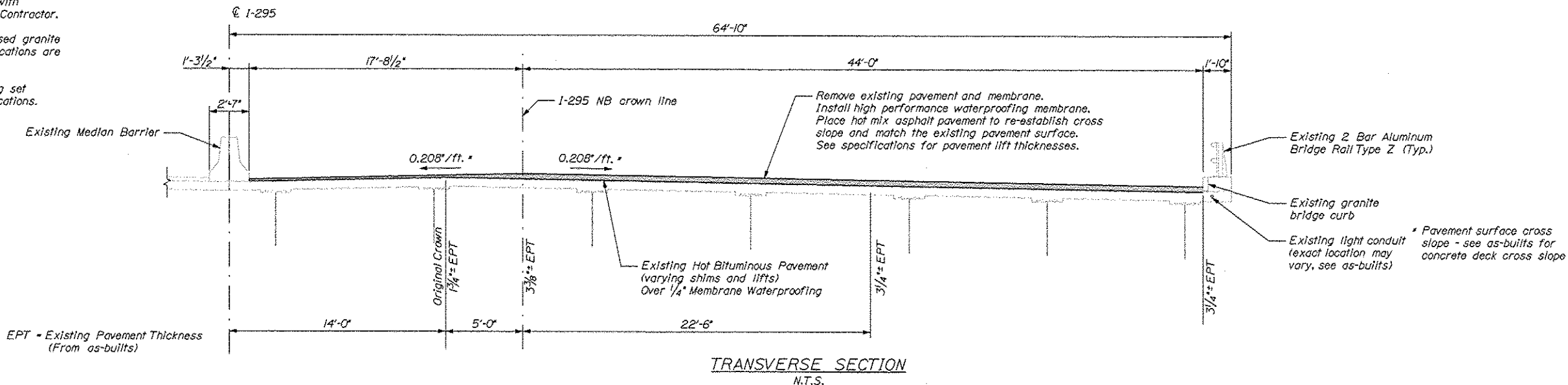
3. Contractor shall repair areas of concrete deck deterioration under median barrier expansion device. Work may require median shoulder closure on I-295 Southbound. Coordinate work with Resident and I-295 Southbound Bridge Contractor.

4. Repaint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.

5. Inspect all rail splices, replace missing set screws and verify proper splice tube locations. See Special Provision.

Legend

Approximate limits of deck repair



STATE OF MAINE	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	PIN 17929.00
IM-1792(900)E	BRIDGE NO. 3088

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INTERSTATE 295 NORTHBOUND BACK COVE (TUKEY'S BRIDGE) PORTLAND CUMBERLAND COUNTY	PLAN AND TRANS. SECTION
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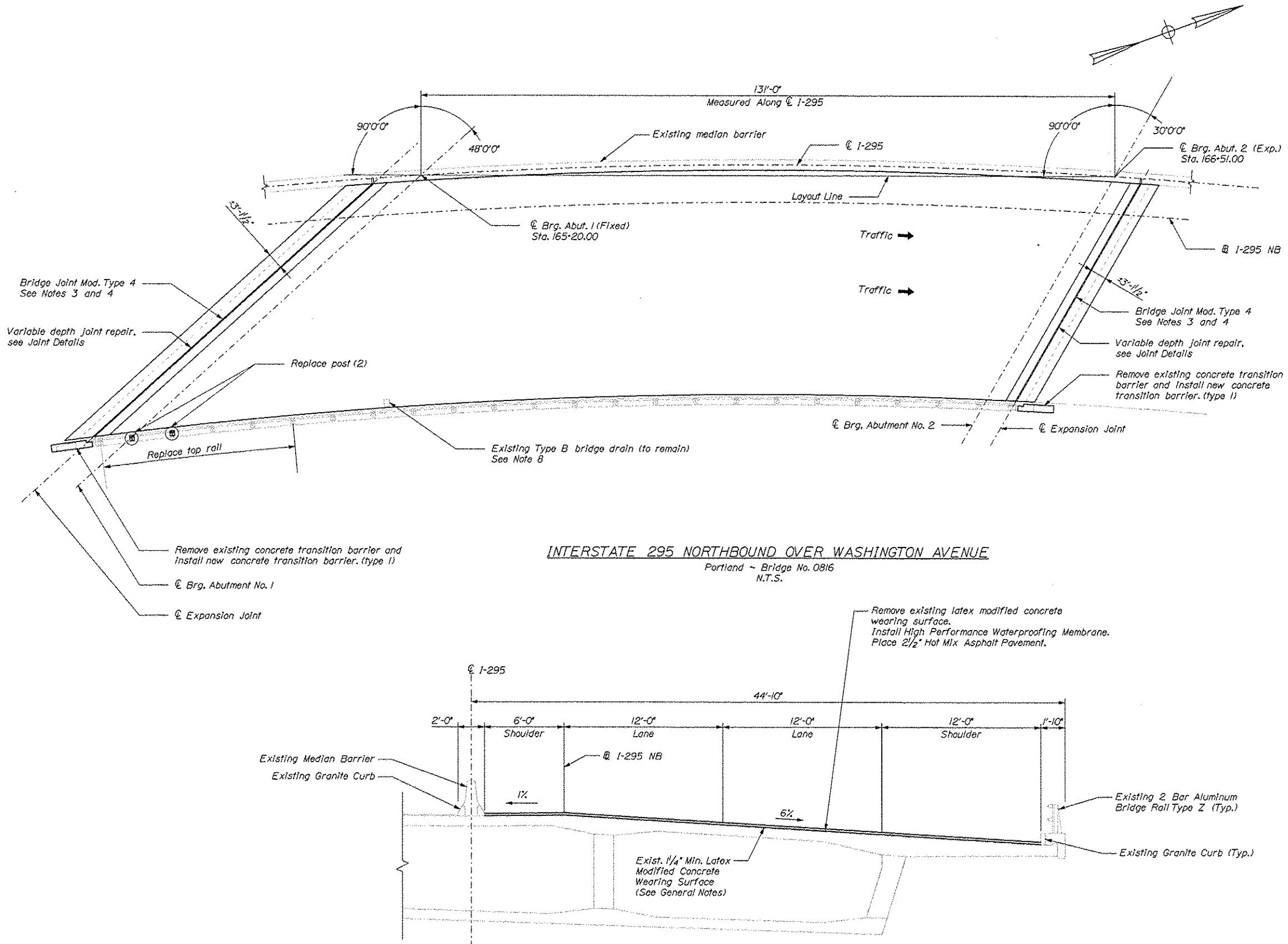
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OF 40

Date: 3/30/2011

Username: mcurditt

Division: HIGHWAY

Filename: 006_PlanSec-WashingtonAve.dgn



HALF TRANSVERSE SECTION
N.T.S.

- NOTES:
- Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Locations of deck repairs are undetermined for this bridge. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items. See Note 7.
 - Contractor shall repair areas of deteriorated granite curb bedding mortar on the deck as directed by the Resident. Locations of deteriorated granite curb bedding mortar are undetermined. (Typ.)
 - Contractor shall survey along top of existing deck, joints, and roadway approaches 100 feet beyond joints. Collected information shall include elevation grades at crown, breaks, and shall be taken at 10 feet on center. Contractor to provide a minimum of 3 rows of elevation grades for each construction phase. Contractor shall provide information to resident at least 10 working days before planned joint repair work. Resident to provide proposed finish grades for wearing surface and joint repair work in areas where proposed depths vary. All work associated with survey collection and coordination is considered incidental to the 502 pay items. See also General Notes.
 - At both abutments the existing joint shall be replaced. This work shall include partial demolition of the backwall, curb, and deck to facilitate removal of the existing joint seal, extrusions, and support angles. The joint shall be reconstructed to elevations determined by the Resident. The joint modifications shall be completed in a manner which does not disturb the transverse post tensioning tendons in the deck slab. Payment for all materials, equipment, and labor shall be made under the appropriate Joint Modification pay item.
 - Repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.
 - Inspect all rail splices, replace missing set screws and verify proper splice tube locations. See Special Provision.
 - Transverse post tensioning strands exist in the upper portion of the concrete deck. Contractor shall use caution when repairing areas of concrete deck deterioration and shall not damage post tensioning strands. Coordinate work with Resident.
 - Taper new bituminous wearing surface around bridge drain to match existing grate elevation. Length of pavement tapers to be 3'± on all sides. Coordinate work with Resident.

STATE OF MAINE				DEPARTMENT OF TRANSPORTATION				IM-1792(900)E				BRIDGE NO. 0816		PIN 17929.00		BRIDGE PLANS			
INTERSTATE 295 NORTHBOUND				WASHINGTON AVENUE				PORTLAND CUMBERLAND COUNTY				PLAN AND TRANS. SECTION		SHEET NUMBER		6		OF 40	
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 Approximate limits of deck repair



OF 40

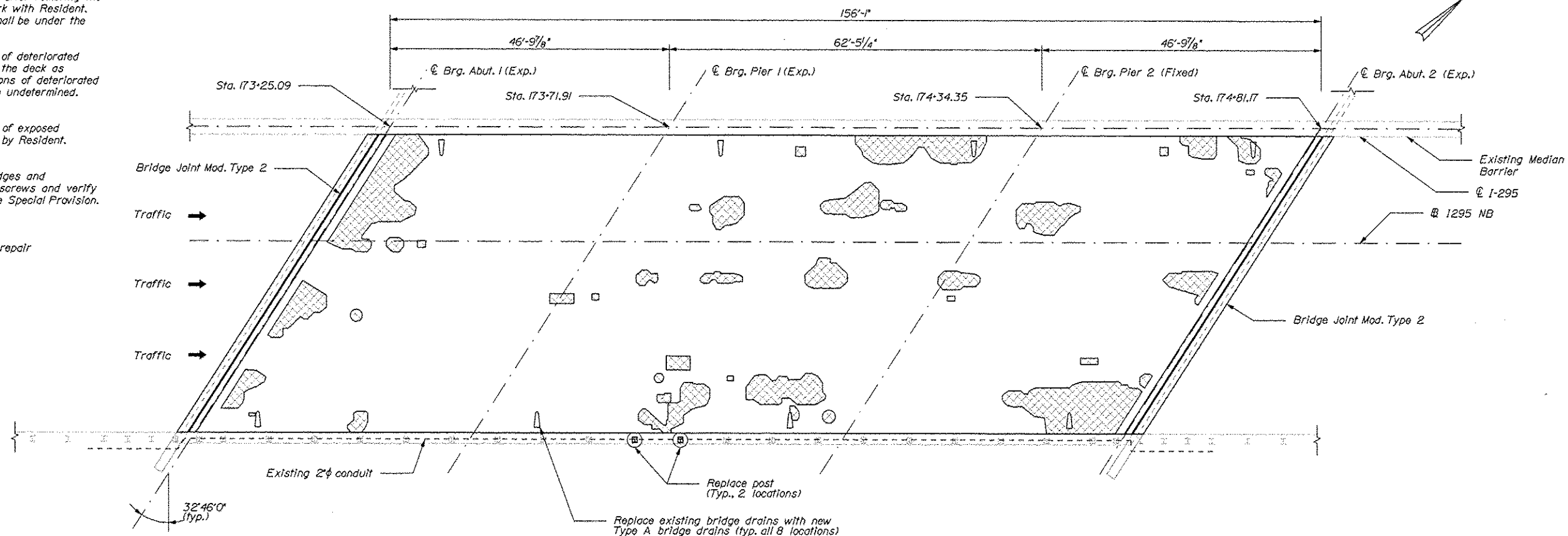
1. Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Approximate locations for deck repairs are shown on the plan. Exact locations may vary and shall be determined in the field. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items.

2. Contractor shall repair areas of deteriorated granite curb bedding mortar on the deck as directed by the Resident. Locations of deteriorated granite curb bedding mortar are undetermined. (Typ.)

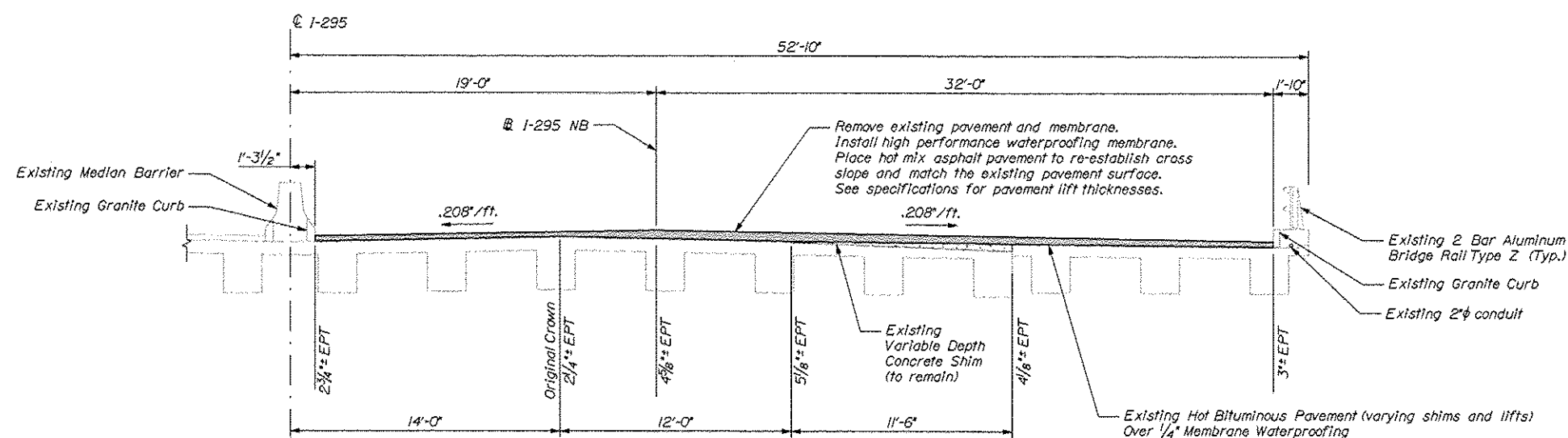
3. Repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.

4. Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provision.

 Approximate limits of deck repair



Portland ~ Bridge No. 5616
N.T.S.



N.T.S.

EPT = Existing Pavement Thickness
(From as-builts)

Date: 3/15/2011

Username: mcundiff

Division: BRIDGE

Filename: 008_PlanXsec-SLARR-CNRR.dgn

STATE OF MAINE	PIN	BRIDGE DIANS
DEPARTMENT OF TRANSPORTATION	179229.00	
IM-1792(900)E		

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INTERSTATE 295 NORTHBOUND
SLRR AND CNRR
PORTLAND CUMBERLAND COUNTY
PLAN AND TRANS. SECTION

SHEET NUMBER

8

OF 40

1. Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Approximate locations for deck repairs are shown on the plan. Exact locations may vary and shall be determined in the field. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items.

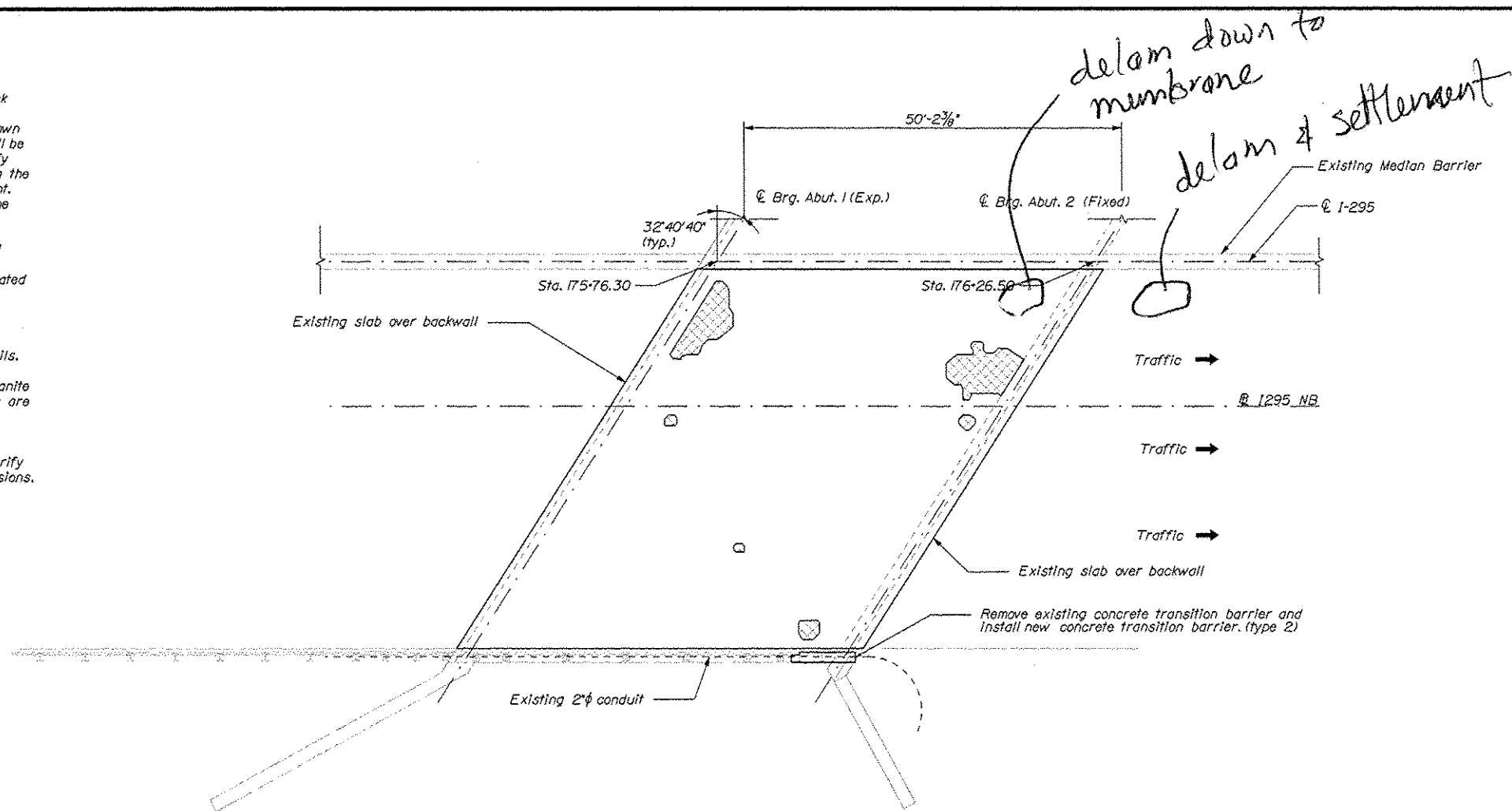
2. Contractor shall repair areas of deteriorated granite curb bedding mortar on the deck as directed by the Resident. Locations of deteriorated granite curb bedding mortar are undetermined. (Typ.)

3. Install composite pavement interlayer at Abutments 1 and 2. See Joint Modification Details.

4. Repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.

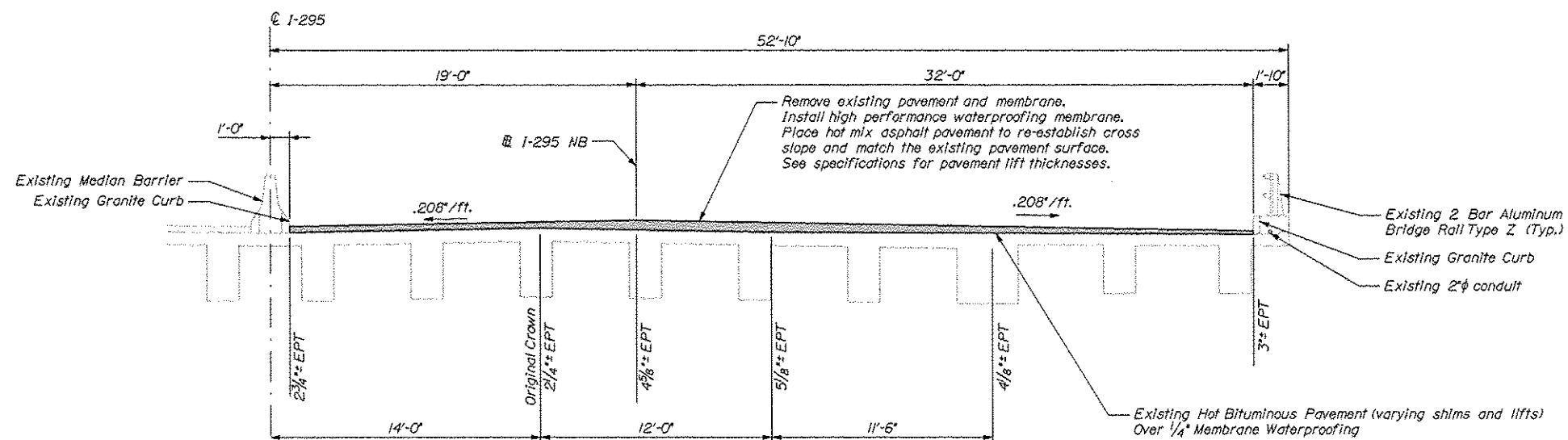
5. *Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provisions.*

 Approximate limits of deck repair



INTERSTATE 295 NORTHBOUND OVER KENSINGTON STREET

Portland ~ Bridge No. 5618
N.T.S.



HALF TRANSVERSE SECTION

N.T.S.

EPT = Existing Pavement Thickness
(From as-builts)

Date: 3/15/2011

Username: mcundiff

Division: BRIDGE

Filename: 009_PlanXsec-Kensington.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

IM-1792(900)E

BRIDGE NO. 5618 PIN BRIDGE PLANS
17929.00

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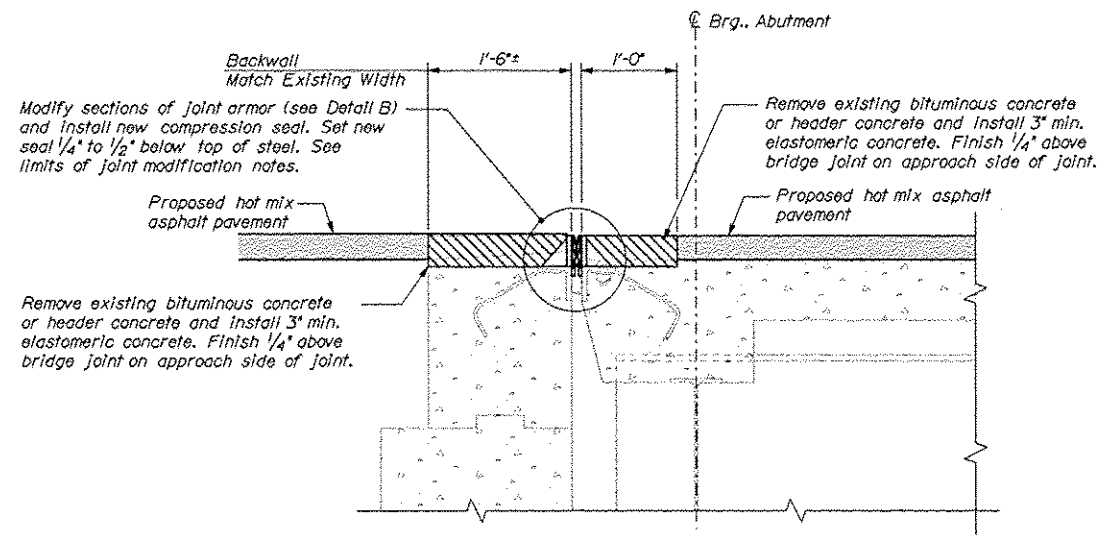
INTERSTATE 295 NORTHBOUND
KENSINGTON STREET
PORTLAND CUMBERLAND COUNTY

PLAN AND TRANS. SECTION

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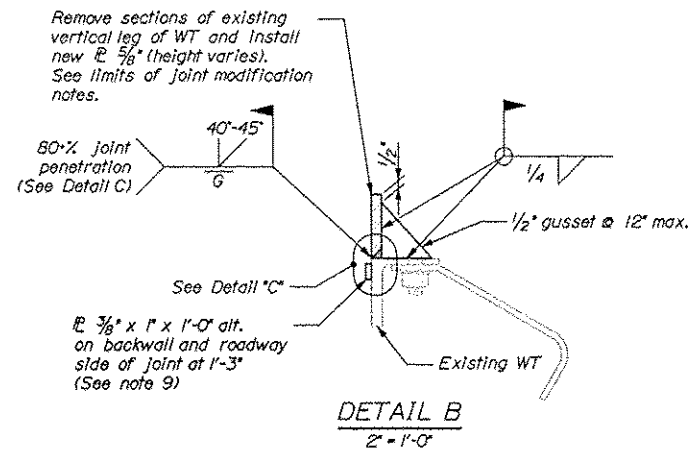
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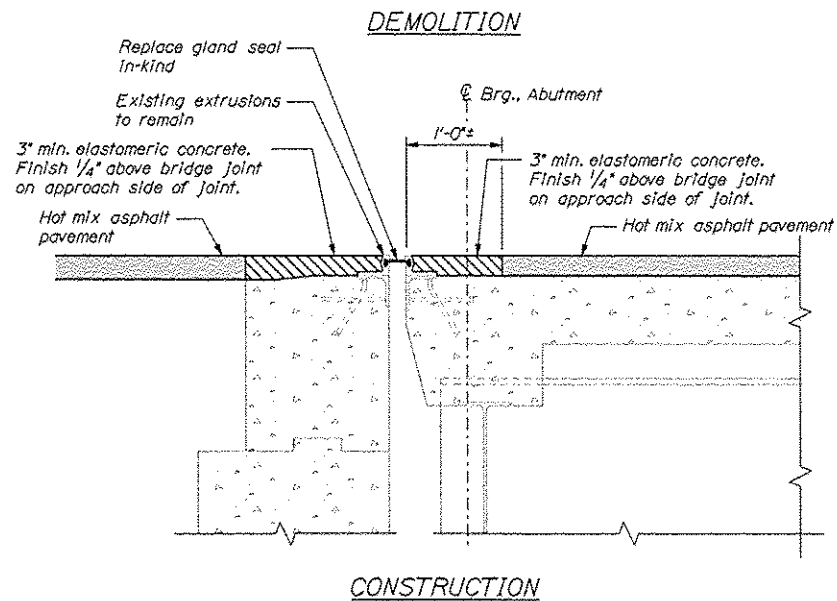
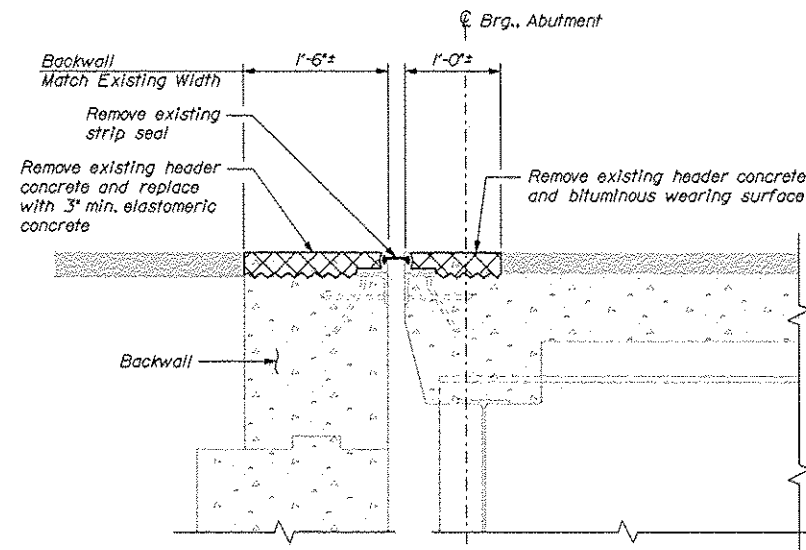
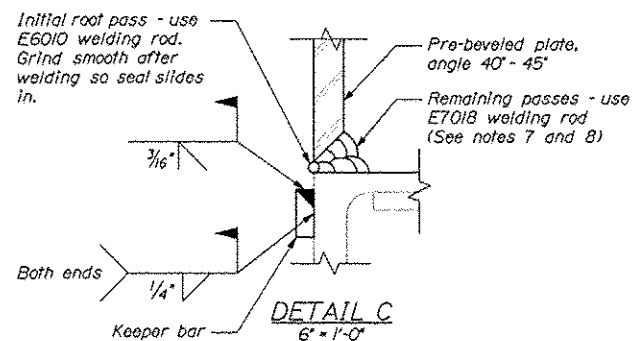


BRIDGE JOINT MODIFICATION TYPE 2
1" x 1'-0"

Limits of joint modification:
 Compression seal - full deck width and completely through
 raised curbs plus six inch extensions per side;
 Elastomeric concrete and addition of 1/2" gussets - full deck width to face of raised curbs.
 Joint Armor Repair - misc. locations, up to 10 ft. on each side of joint.

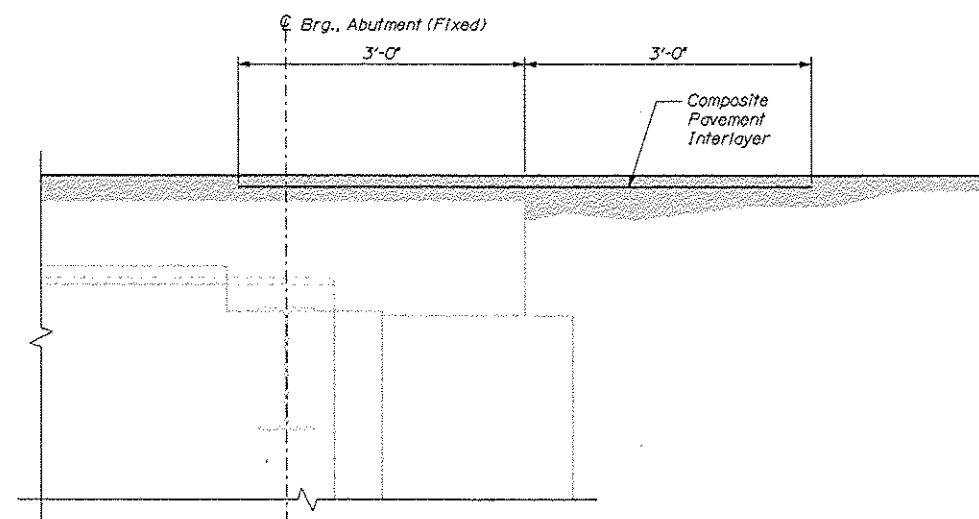


Note:
One side of joint repair shown.
Repair detail required at both
sides of joint.

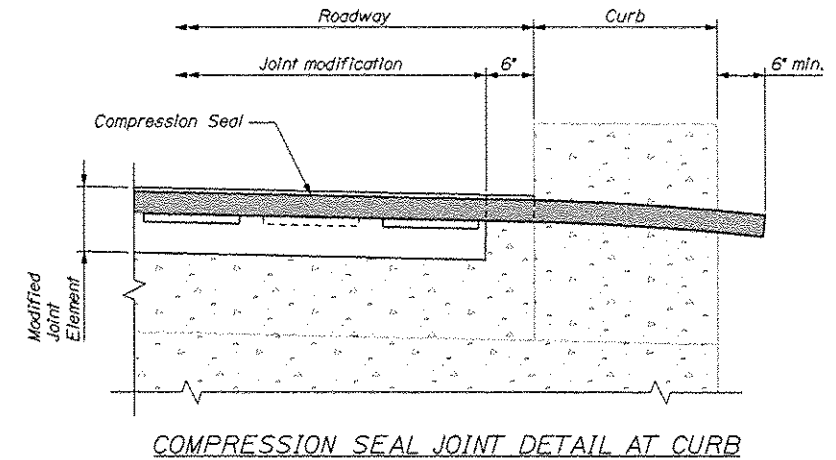


BRIDGE JOINT MODIFICATION TYPE 7
1" = 1'-0"

Limits of joint modification:
Elastomeric concrete - full deck width to face of raised curbs.
Strip seal - full width of roadway and partially through raised curb and median barrier.



COMPOSITE PAVEMENT INTERLAYER DETAIL
Typical at all existing or reconstructed slab-over-backwall locations



LEGEND

-  Approximate limit of concrete and reinforcing steel removal

NOTES

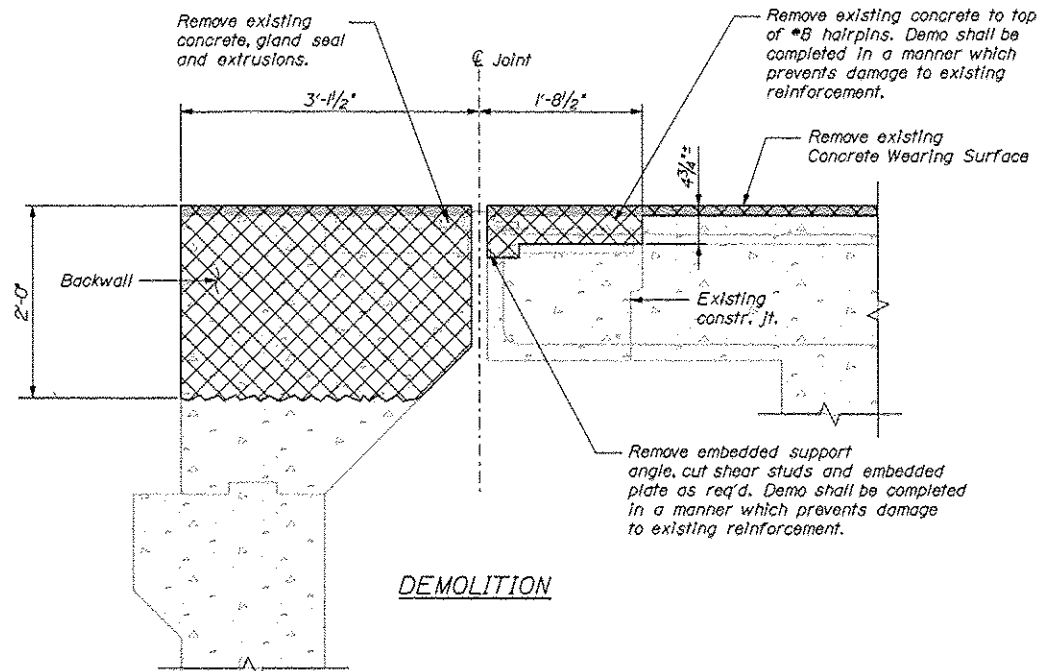
1. Refer to Standard Details Section 520 for details and information not shown.
2. All concrete surfaces where elastomeric concrete is to be applied shall have a 1/4-in. minimum anchor profile or roughened surface.
3. Elastomeric concrete shall be applied according to the manufacturer's recommendations.
4. All new steel supplied for bridge joint modifications shall be uncoated.
5. The Contractor shall be fully responsible for selecting the appropriate compression seal based on the bridge movement rating from the approved products list.
6. Removal and replacement of existing bituminous or header concrete shall be completed along the full width of the roadway. Bridge joint armor and extrusion modifications shall extend to the limits described on the respective joint modification details.
7. Welding shall be completed as a series of skip welds to minimize joint distortion during welding.
8. If the base metal temperature falls below 32 degrees Fahrenheit, the base metal shall be heated to a minimum of 80 degrees Fahrenheit before welding. If the base metal temperature falls below 50 degrees Fahrenheit, the base metal shall be heated to remove any moisture. A welding procedure and listing of proposed welding consumables shall be submitted to the Resident for approval.
9. Keeper bars shall be positioned to allow top of compression seal to sit 1/4" to 1/2" below top of armor. If existing keeper bar does not permit the seal to set at the specified depth, Contractor shall notify the Resident.

Date: 3/30/2011

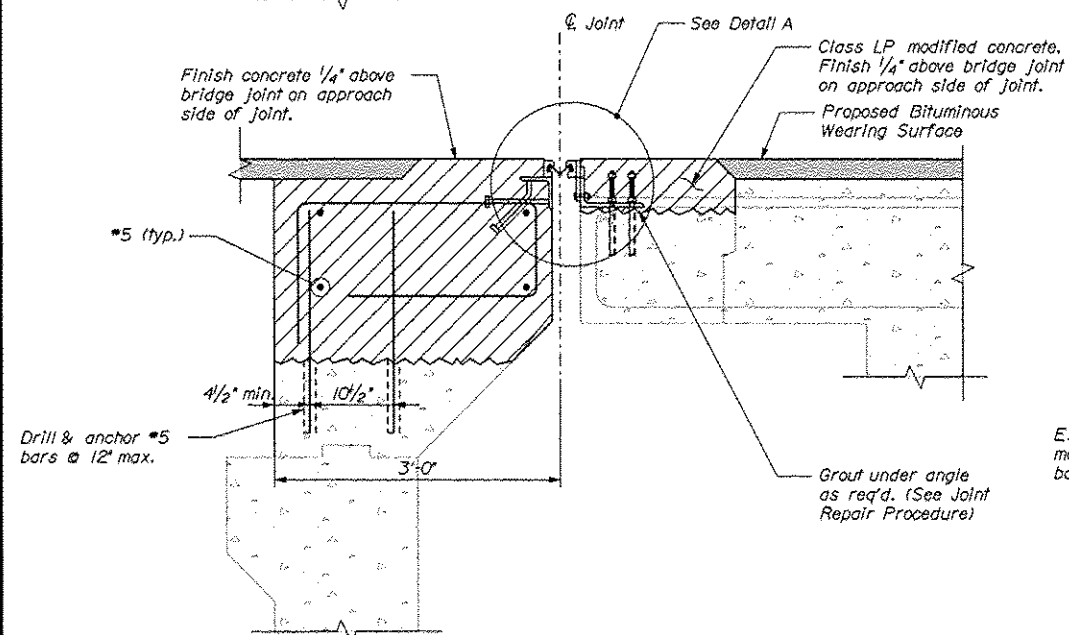
Username: mcundiff

Division: HIGHWAY

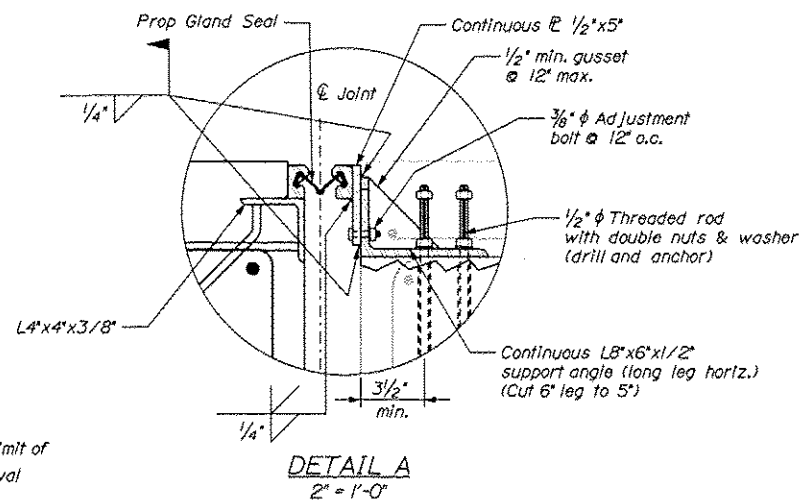
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DEMOLITION

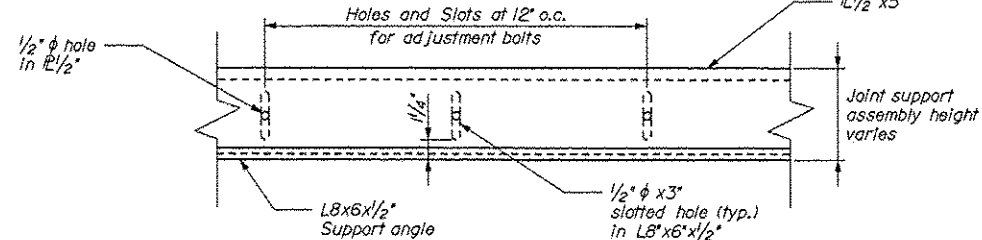


CONSTRUCTION

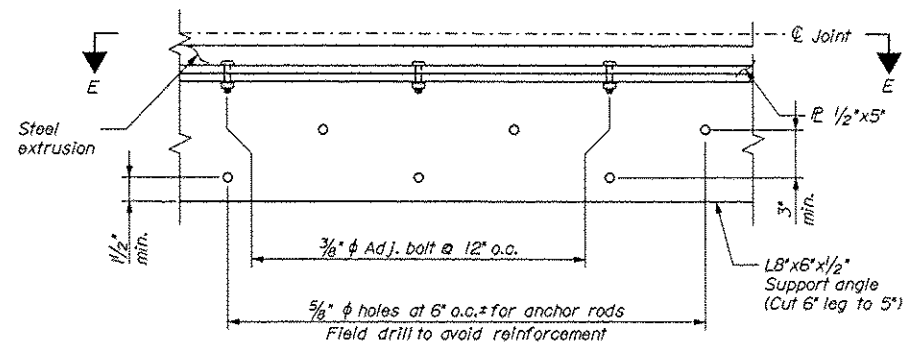
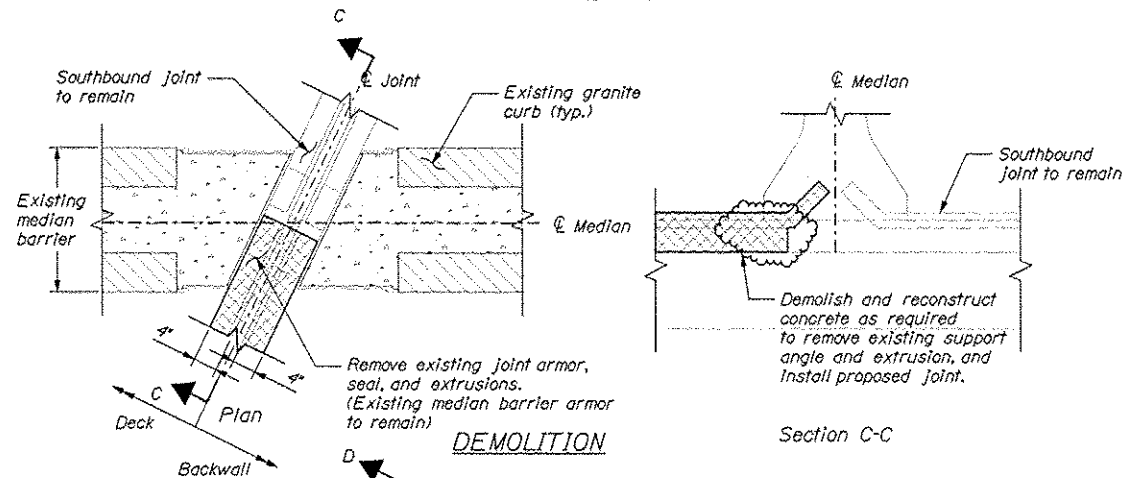
JOINT MODIFICATION TYPE 4
1' = 1'-0"DETAIL A
2" = 1'-0"

LEGEND

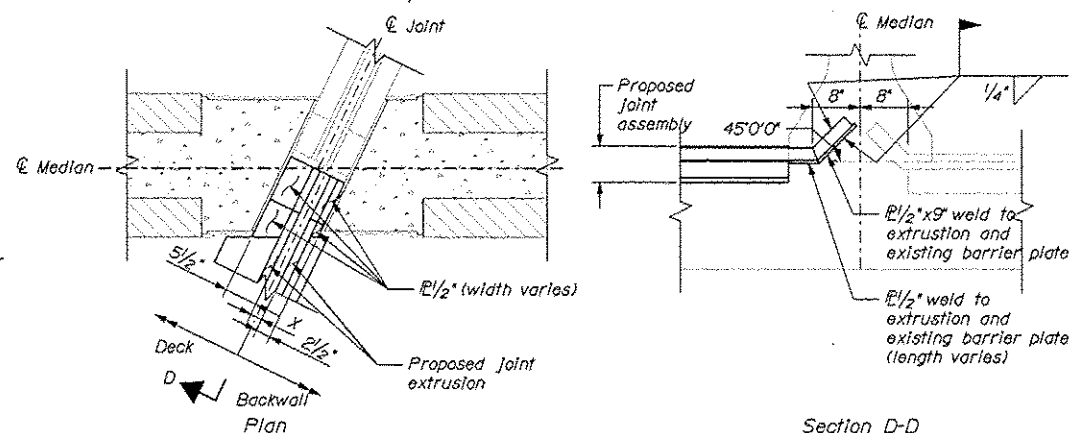
Approximate limit of concrete removal



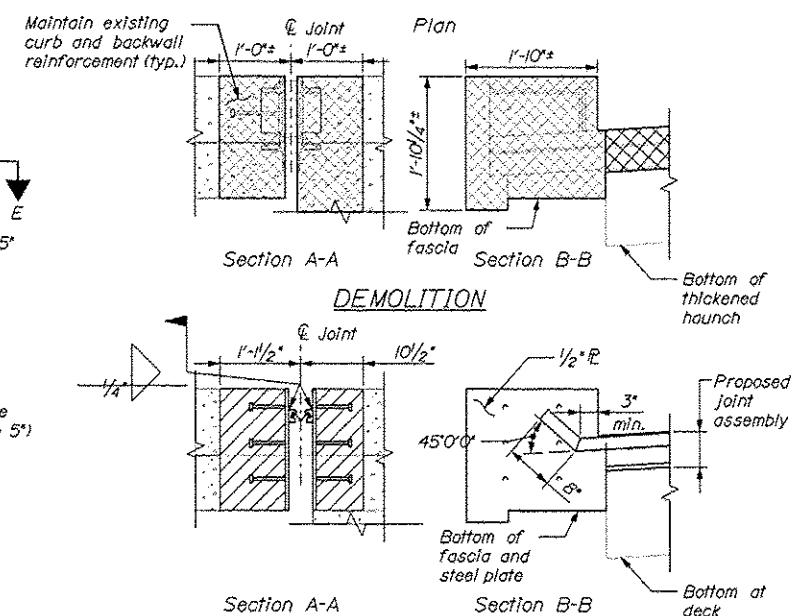
SECTION E-E

SUPPORT ANGLE DETAIL
(Joint extrusion not shown for clarity)
2" = 1'-0"

DEMOLITION



CONSTRUCTION

JOINT MODIFICATION TYPE 4 - MEDIAN BARRIER DETAILS
3/4" = 1'

CONSTRUCTION

JOINT MODIFICATION TYPE 4 - CURB DETAILS
3/4" = 1'

NOTES

1. Refer to Standard Details Section 520 for details and Information not shown.
2. Backwall anchorage shall be per standard detail.
3. Steel supplied for the bridge joint modification shall be uncoated.
4. The Contractor shall be fully responsible for selecting the appropriate seal based on the movement rating from the approved products list.
5. Removal and replacement of deck and backwall concrete shall be completed along the Northbound roadway from outside of curb to approximate center of median barrier.
6. Where drilling and anchoring is specified, the contractor shall use a Chemical Anchoring material listed on MaineDOT qualified products list. The depth of embedment shall be sufficient to develop 125% of the yield strength of the bar or rod, but shall not be less than 9" for reinforcing steel and 6" for anchor rods.

JOINT REPAIR PROCEDURE

1. Remove existing concrete, extrusion, and support angle as shown. Shear studs and embedded plates may be cut flush and left in place.
2. Clean concrete surface to receive new concrete and apply an Epoxy Bonding Agent listed on the MaineDOT qualified products list.
3. Mark locations for 1/2" anchors and drill holes in new angle. Drill and grout threaded rods.
4. At median barrier, remove sliding plate cover and remove concrete beneath barrier only as req'd to remove existing joint extrusion and support angle. Remove existing extrusion, clean embedded plate and weld new support plate and extrusion in place. Patch concrete.
5. Place a thin layer of bedding mortar, and install angle. Tighten nuts as required to level support angle.
6. Once mortar has cured fully tighten anchor rod nuts, install joint extrusion and plates, adjust extrusion to grade, and tighten adjustment nuts. Weld plate to support angle.
7. Place Class LP concrete modified with 3/8" aggregate, finish concrete 1/4" high on approach side of the joint.

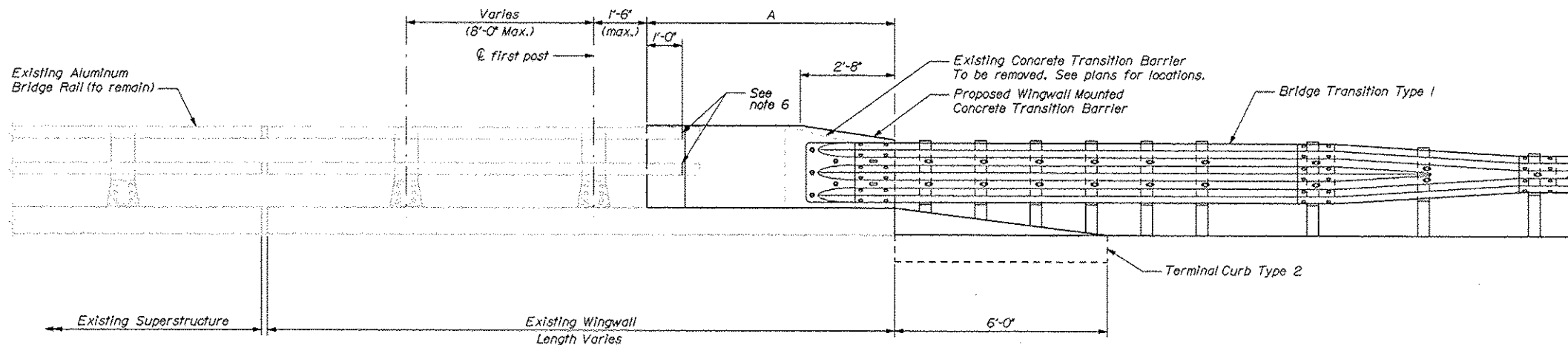
DATE	BY	DATE	BY	DATE	BY
DESIGN	DESIGNED	CHECKED	REVIEWED	DESIGNED	REVIEWED
DETAILS	DETAILS	DETAILS	DETAILS	DETAILS	DETAILS
REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS
1	2	3	4	5	6
SIGNATURE	P.E. NUMBER	DATE			

Date: 3/15/2011

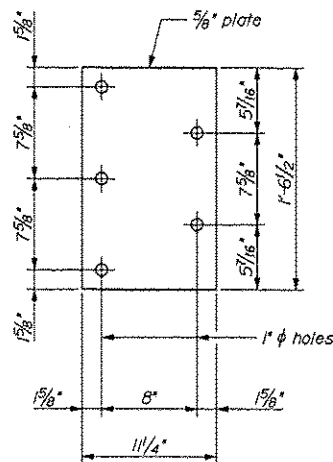
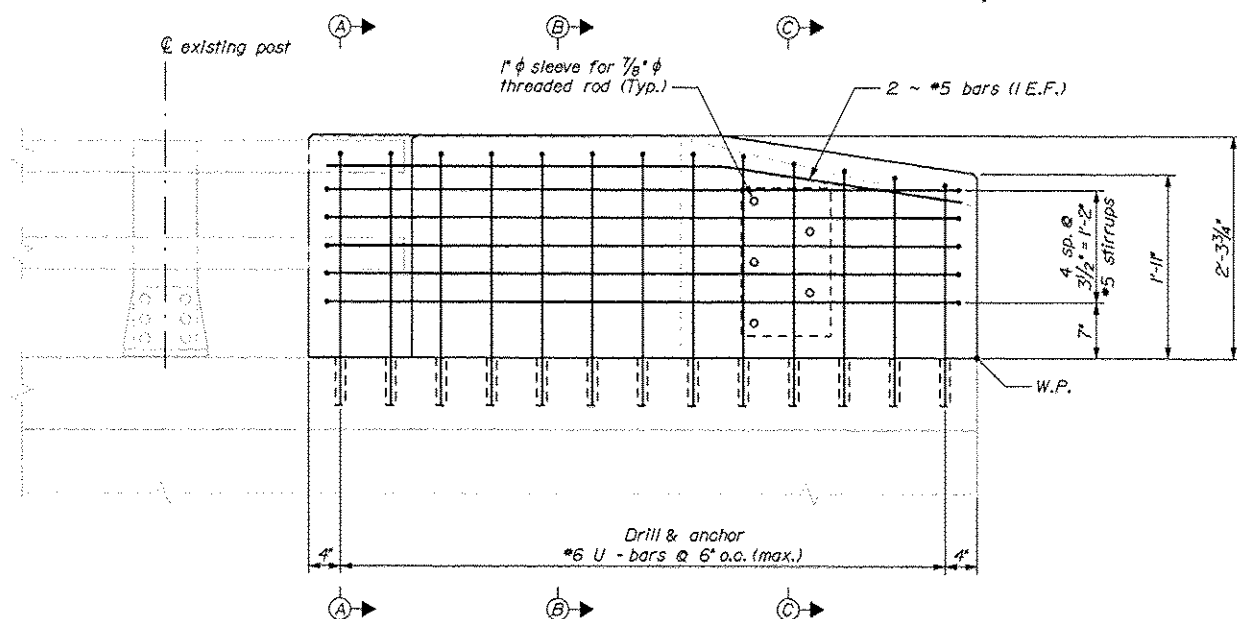
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Division: BRIDGE

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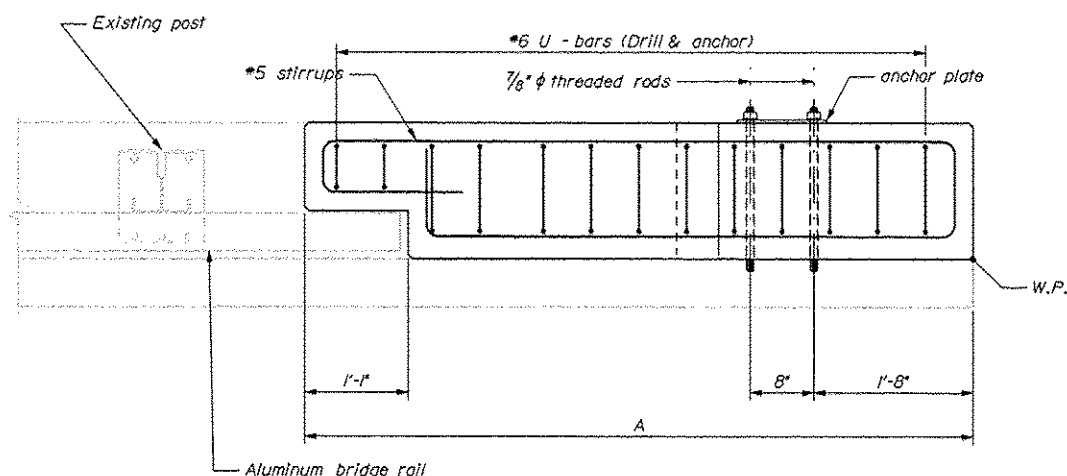


CONCRETE TRANSITION BARRIER (TYPE 1)
Roadway elevation shown

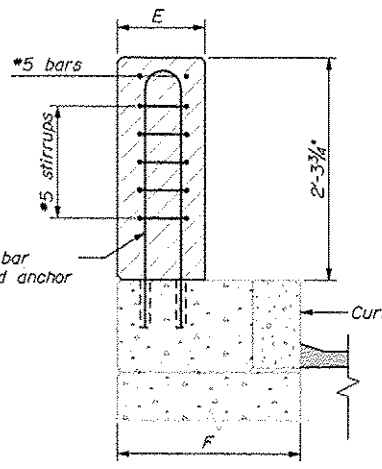


ANCHOR PLATE

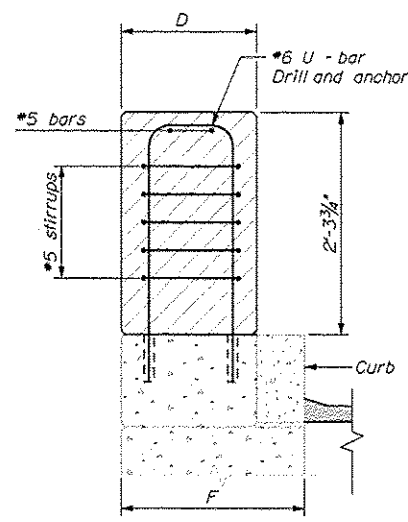
TRANSITION BARRIER ELEVATION
Roadway elevation shown



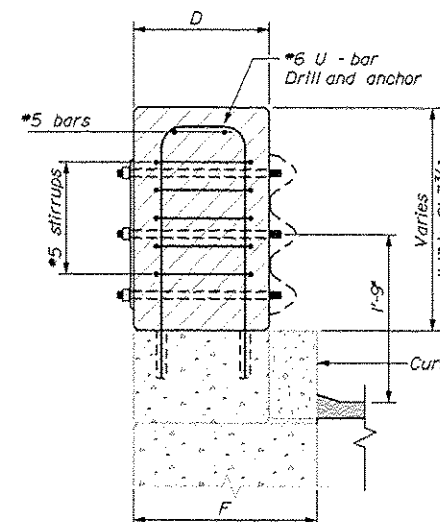
TRANSITION BARRIER PLAN



SECTION A-A



SECTION B-B



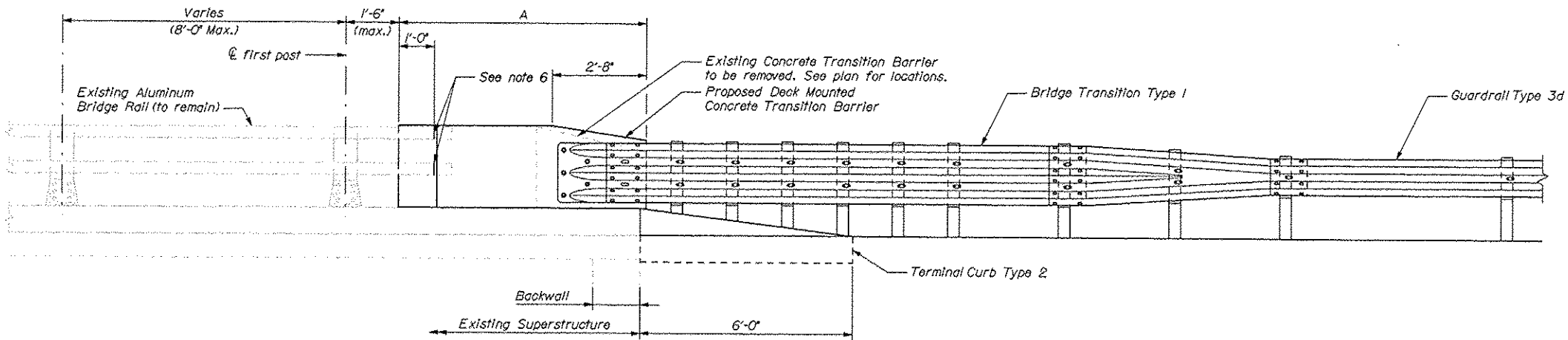
SECTION C-C

CONCRETE TRANSITION BARRIER NOTES

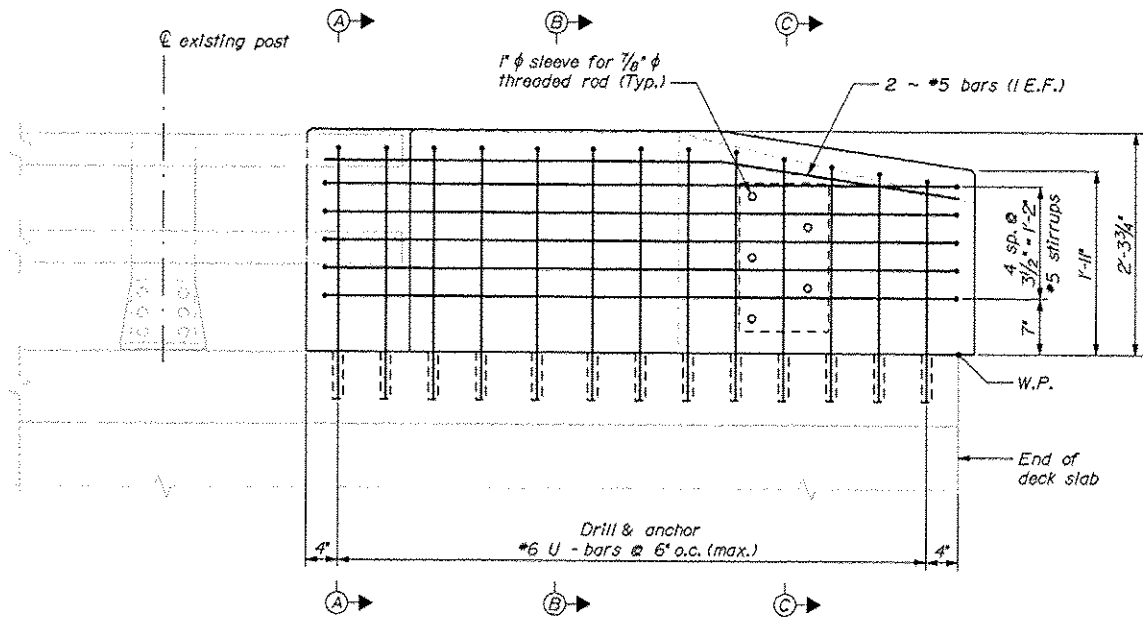
1. Refer to Standard Details Section 526 - Concrete Transition Barrier for details and information not shown.
2. Reinforcing steel for the Transition Barriers is based on details shown in the Standard Details. Reinforcing steel shall be modified to fit the details and conditions shown on the plans. Payment for modifying reinforcing steel and for drilling and anchoring bars as shown will be considered incidental to Item No. 526.34, Permanent Concrete Transition Barrier.
3. Anchor plates and threaded rods shall be galvanized in accordance with the Standard Specifications and the Standard Details.
4. The bridge rail post bolt anchorage system shall be from MaineDOT's Qualified Products List or an approved equal. The Contractor shall submit the proposed system to the Resident for review prior to use. The bolt anchorages shall be installed in strict accordance with the selected manufacturer's recommendations. The anchor bolts shall have an ultimate tension capacity of 30 kips. Payment for bridge rail post relocation and associated materials, equipment, labor and incidentals necessary to complete the work will be considered incidental to Item No. 526.34, Permanent Concrete Transition Barrier.
5. The contractor shall locate existing curb reinforcing steel and conduit and adjust dowel and bridge rail post anchor stud locations to avoid cutting existing bars and damaging existing electrical conduit. Any adjustments from plan dimensions shall be approved by the Resident.
6. The contractor shall trim rail sections as directed by the Resident to provide 12" of projection into the transition barrier recess.
7. All curb and endpost modifications shall be incidental to Item 526.34, Permanent Concrete Transition Barrier.
8. Excavation and backfill required for construction or modification of concrete transition barrier shall be incidental to Item 526.34, Permanent Concrete Transition Barrier. Resident to provide

Bridge #	Bridge	Location	A	D	E	F
3088	Back Cove (Tukeys Bridge)	Approach Travel Lane	6' - 8.5"	1' - 4"	0' - 11"	1' - 10"
3088	Back Cove (Tukeys Bridge)	Departure Travel Lane	6' - 8.5"	1' - 4"	0' - 11"	1' - 10"
0816	Washington Avenue	Approach Travel Lane	7' - 9.25"	1' - 4"	0' - 11"	1' - 10"
0816	Washington Avenue	Departure Travel Lane	6' - 9"	1' - 4"	0' - 11"	1' - 10"

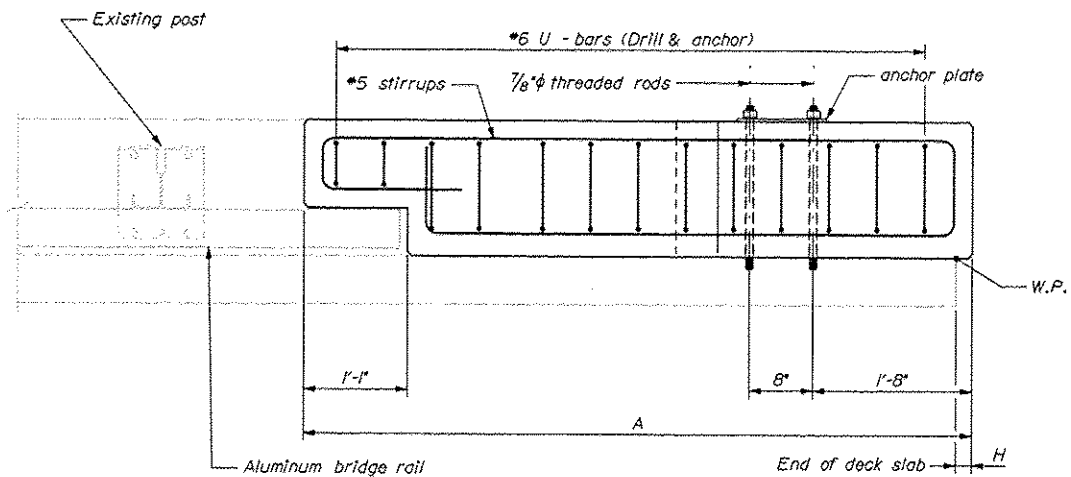
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E BRIDGE NO. As Noted PIN 17929.00 BRIDGE PLANS	INTERSTATE 295 NORTHBOUND PORTLAND CUMBERLAND COUNTY CONCRETE TRANSITION BARRIER (TYPE 1)	SHEET NUMBER 12 OF 40
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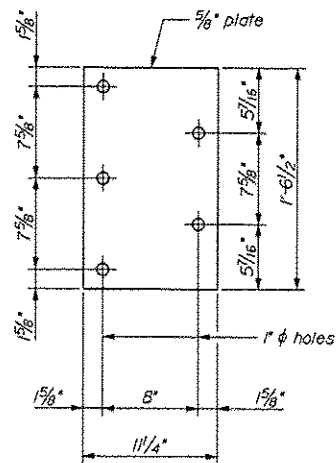
CONCRETE TRANSITION BARRIER (TYPE 2)
Roadway elevation shown



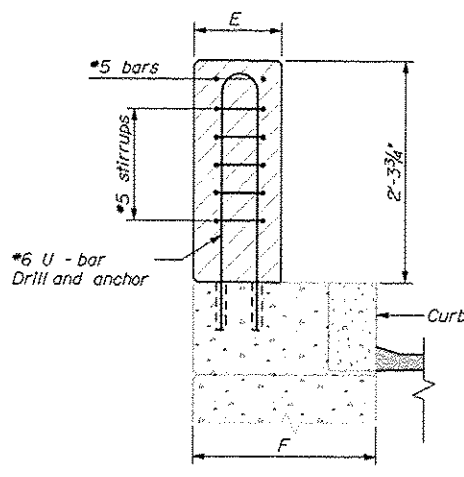
TRANSITION BARRIER ELEVATION
Roadway elevation shown



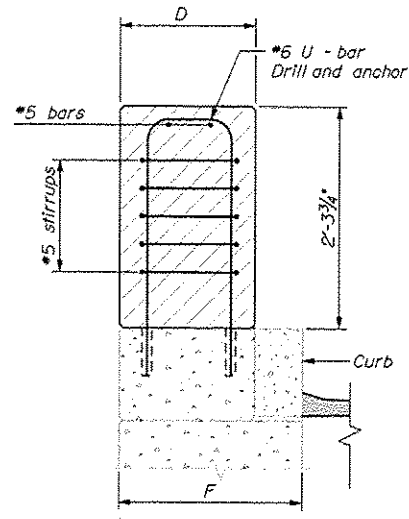
TRANSITION BARRIER PLAN



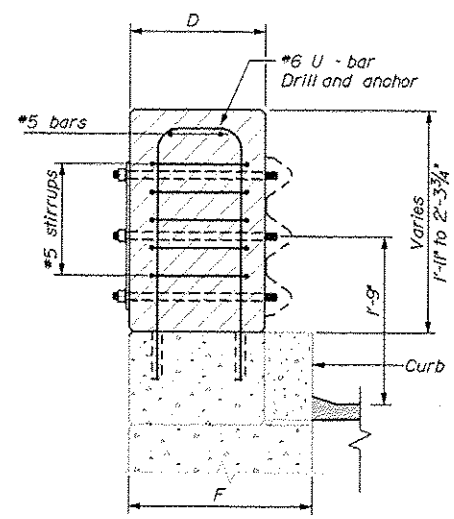
ANCHOR PLATE



SECTION A-A



SECTION B-B

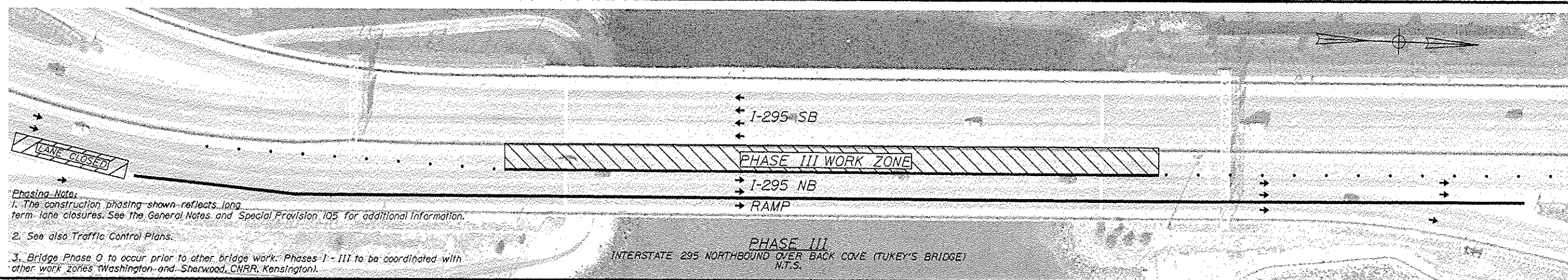
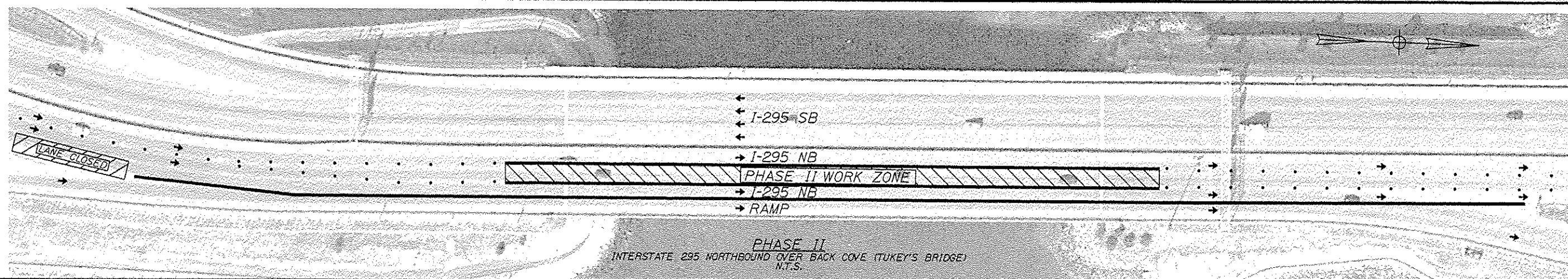
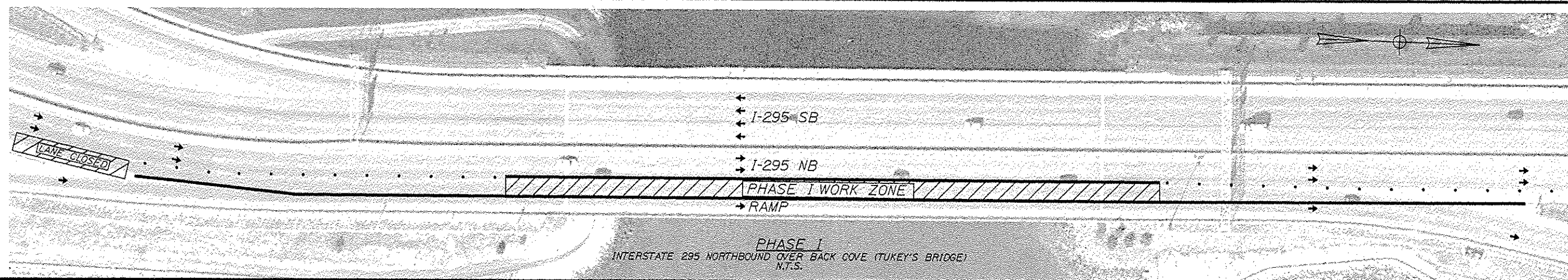
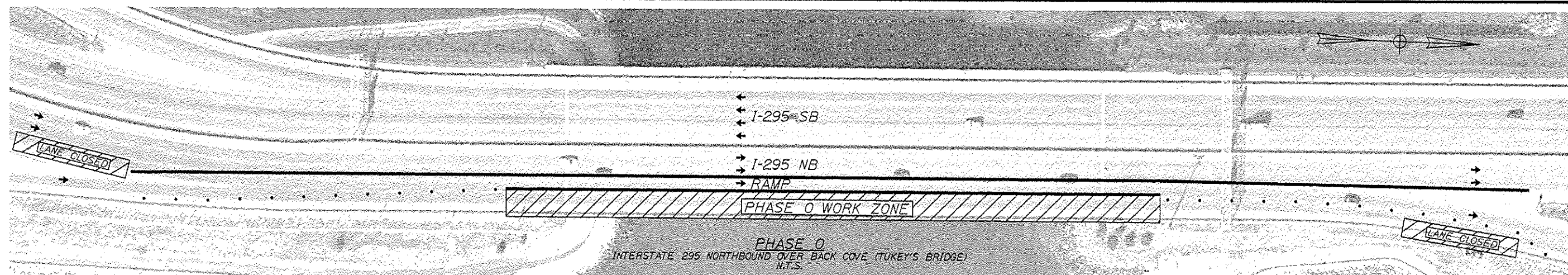


SECTION C-C

CONCRETE TRANSITION BARRIER NOTES

1. Refer to Standard Details Section 526 - Concrete Transition Barrier for details and information not shown.
2. Reinforcing steel for the Transition Barriers is based on details shown in the Standard Details. Reinforcing steel shall be modified to fit the details and conditions shown on the plans. Payment for modifying reinforcing steel and for drilling and anchoring bars as shown will be considered incidental to Item No. 526.34, Permanent Concrete Transition Barrier.
3. Anchor plates and threaded rods shall be galvanized in accordance with the Standard Specifications and the Standard Details.
4. The bridge rail post bolt anchorage system shall be from MaineDOT's Qualified Products List or an approved equal. The Contractor shall submit the proposed system to the Resident for review prior to use. The bolt anchorages shall be installed in strict accordance with the selected manufacturer's recommendations. The anchor bolts shall have an ultimate tension capacity of 30 kips. Payment for bridge rail post relocation and associated materials, equipment, labor and incidentals necessary to complete the work will be considered incidental to Item No. 526.34, Permanent Concrete Transition Barrier.
5. The contractor shall locate existing curb reinforcing steel and conduit and adjust dowel and bridge rail post anchor stud locations to avoid cutting existing bars and damaging existing electrical conduit. Any adjustments from plan dimensions shall be approved by the Resident.
6. The contractor shall trim or install longer rail sections as directed by the resident to provide 12" of projection into the transition barrier recess.
7. Excavation and backfill required for construction or modification of concrete transition barrier shall be incidental to Item 526.34, Permanent Concrete Transition Barrier.
8. The existing expansion joint is not shown for clarity. The contractor shall not damage existing armor scheduled for re-use during concrete demolition, and shall recast re-used armor into the new work.
9. The proposed terminal curb type 2 shall be field cut as necessary to match tightly against the skewed end of the existing granite curb on the transition barrier. Payment for this effort will not be made directly, but shall be considered incidental to Item 526.34, Permanent Concrete Transition Barrier.

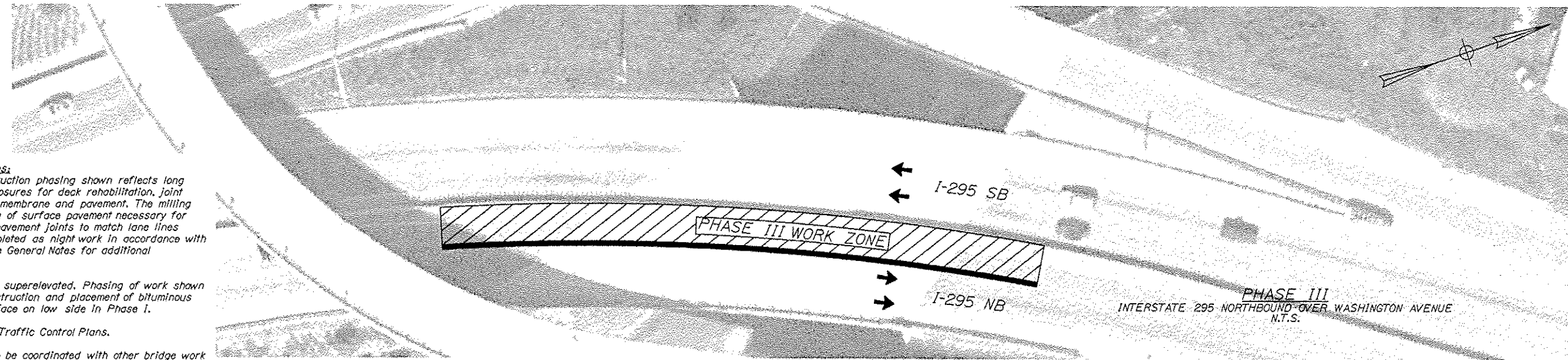
Bridge #	Bridge	Location	A	D	E	F	H
5617	Sherwood Street	Approach Travel Lane	6' - 8"	1' - 4"	0' - 11"	1' - 10"	0' - 0"
5618	Kensington Street	Departure Travel Lane	8' - 6"	1' - 4"	0' - 11"	1' - 10"	0' - 5.75"



Phasing Notes:

1. The construction phasing shown reflects long term lane closures. See the General Notes and Special Provision 105 for additional information.
2. See also Traffic Control Plans.
3. Bridge Phase 0 to occur prior to other bridge work. Phases I - III to be coordinated with other work zones (Washington and Sherwood, CNRR, Kensington).

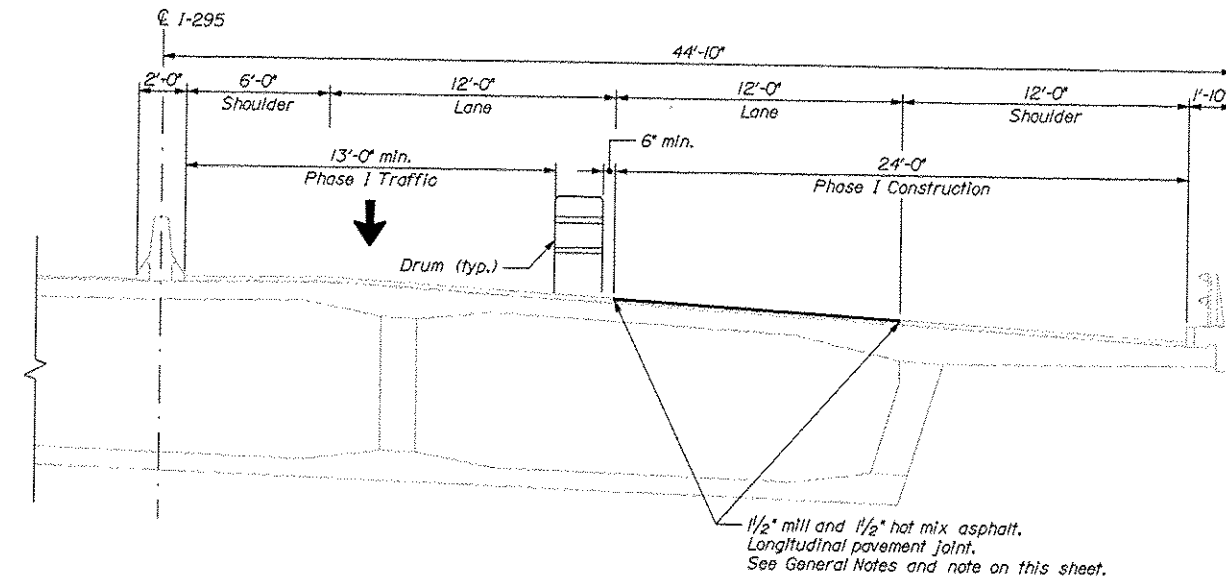
SHEET NUMBER				INTERSTATE 295 NORTHBOUND BACK COVE (TUKEY'S BRIDGE) PORTLAND CUMBERLAND COUNTY				STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
15 OF 40				DESIGN-DETAILED		DATE	SIGNATURE	P.E. NUMBER			
				CHECKED-REVIEWED		BY					
				DESIGN-DETAILED		DATE					
				DESIGN-DETAILED		DATE					
				DESIGN-DETAILED		DATE					
BRIDGE PHASING PLAN				PROJ. MANAGER		DATE	BRIDGE NO. 3088				
				DATE		DATE	PIN				
				DATE		DATE	17929.00				
				DATE		DATE	BRIDGE PLANS				
				DATE		DATE					



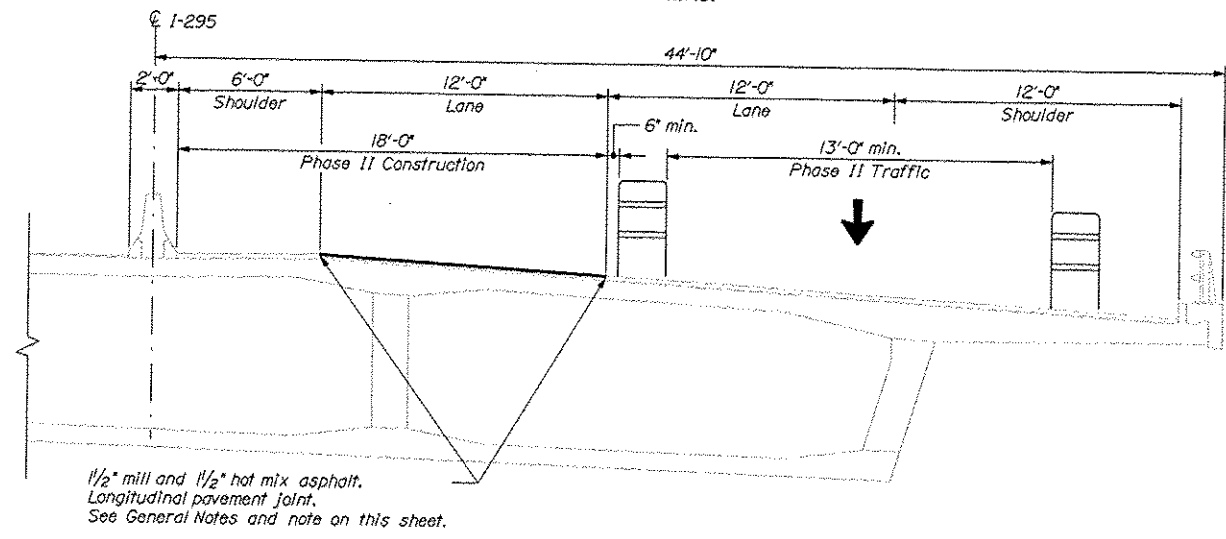
Phasing Notes:

1. The construction phasing shown reflects long term lane closures for deck rehabilitation, joint modification, membrane and pavement. The milling and repaving of surface pavement necessary for longitudinal pavement joints to match lane lines shall be completed as night work in accordance with Sheet 19. See General Notes for additional information.
2. Bridge is superelevated, Phasing of work shown reflects construction and placement of bituminous wearing surface on low side in Phase 1.
3. See also Traffic Control Plans.
4. Phases to be coordinated with other bridge work zones.

INTERSTATE 295 NORTHBOUND				STATE OF MAINE			
WASHINGTON AVENUE				DEPARTMENT OF TRANSPORTATION			
PORTLAND CUMBERLAND COUNTY				IM-1792(900)E			
BRIDGE PHASING PLAN							
PROJ. MANAGER				NATE BENNETT	BY	DATE	
CESON-DETAILED				JOE	MPC	03/11	
CHECKED-REVIEWED				REM		03/11	SIGNATURE
CESD02-DETAILED2				-		-	
DESIGN03-DETAILED3				-		-	
REVISIONS 1				-		-	P.E. NUMBER
REVISIONS 2				-		-	
REVISIONS 3				-		-	DATE
REVISIONS 4				-		-	
FIELD CHANGES				-		-	
SHEET NUMBER				BRIDGE NO. 0816 PIN 17929.00 BRIDGE PLANS			
17							
OF 40							



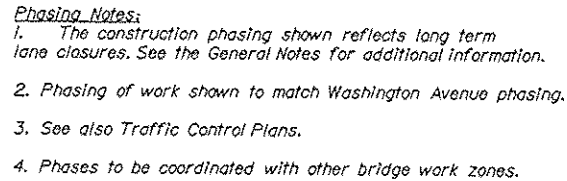
PHASE I
INTERSTATE 295 NORTHBOUND OVER WASHINGTON AVENUE
N.T.S.

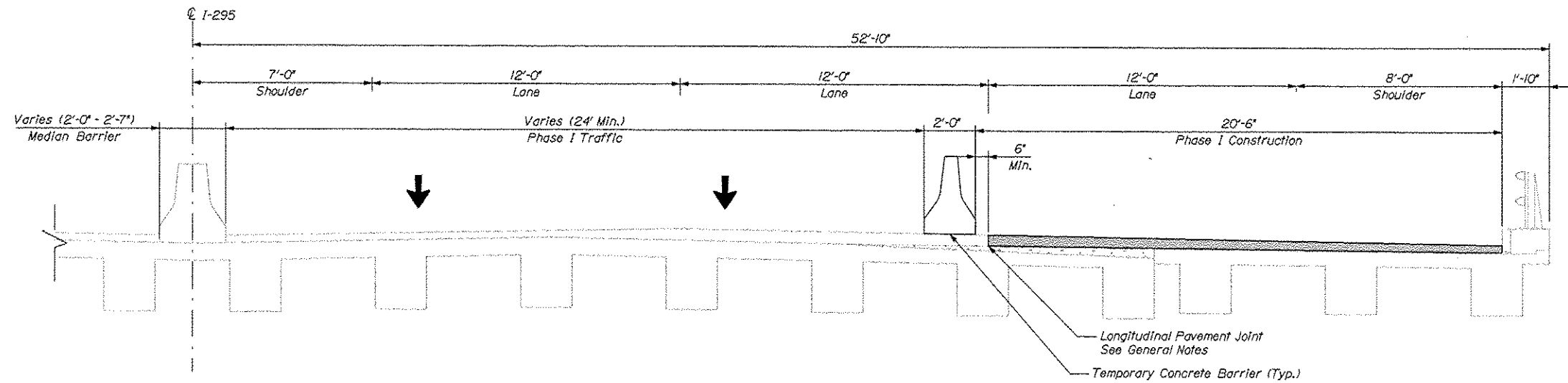


PHASE II
INTERSTATE 295 NORTHBOUND OVER WASHINGTON AVENUE
N.T.S.

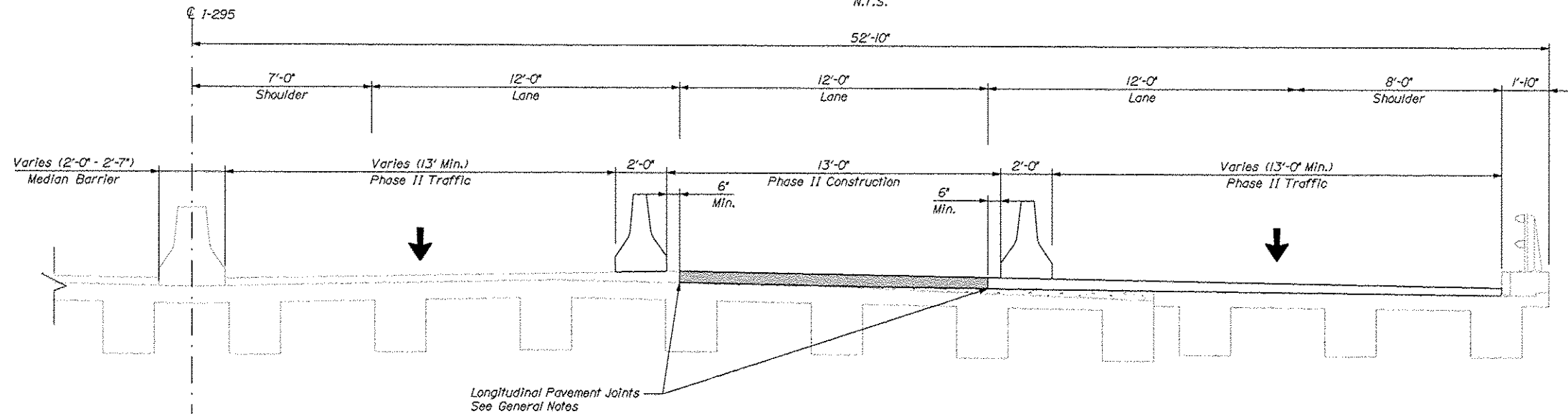
NOTES:
1. Phasing shown for milling 1 1/2" and repaving 1 1/2" of surface pavement (travel lanes only) necessary for longitudinal pavement joints to match lane lines, to be completed as night work after Phase III work.
2. Sections are shown looking upstation.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E		BRIDGE NO. 0816		PIN 17929.00		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND WASHINGTON AVENUE PORTLAND CUMBERLAND COUNTY		DATE		DATE		DATE	
BRIDGE PHASING TYPICAL SECTION 2		BY		BY		BY	
SHEET NUMBER		DATE		DATE		DATE	
19		DATE		DATE		DATE	
OF 40		DATE		DATE		DATE	

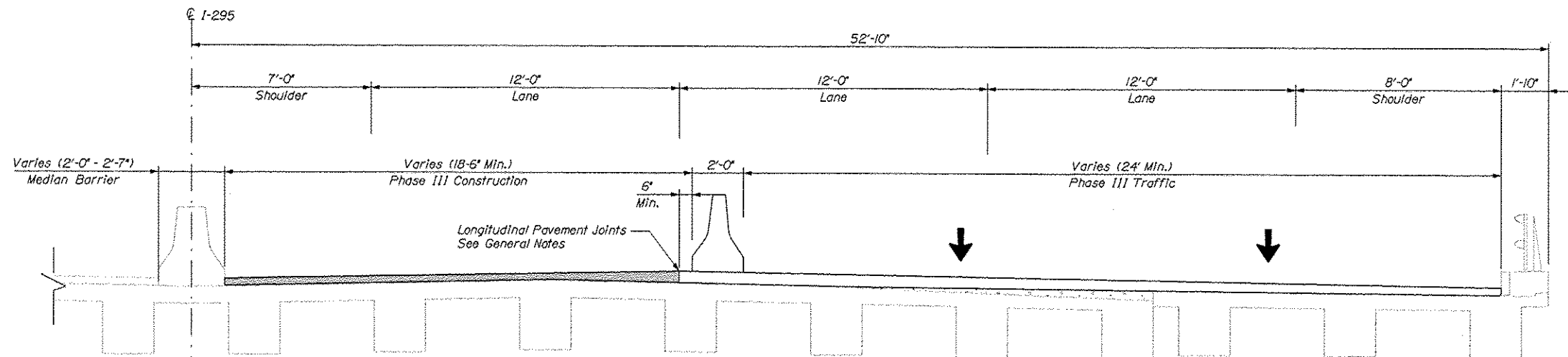




PHASE I
INTERSTATE 295 NORTHBOUND OVER SHERWOOD STREET, SLRR & CNRR
AND KENSINGTON STREET
N.T.S.



PHASE II
INTERSTATE 295 NORTHBOUND OVER SHERWOOD STREET, SLRR & CNRR
AND KENSINGTON STREET
N.T.S.



PHASE III
INTERSTATE 295 NORTHBOUND OVER SHERWOOD STREET, SLRR & CNRR
AND KENSINGTON STREET
N.T.S.

- NOTES:**
1. Sections are shown looking upstation.
 2. Phases to be coordinated with other bridge work zones.

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
IM-1792(900)E	
BRIDGE NO. 5617.5616.5618	PIN 17929.00
BRIDGE PLANS	

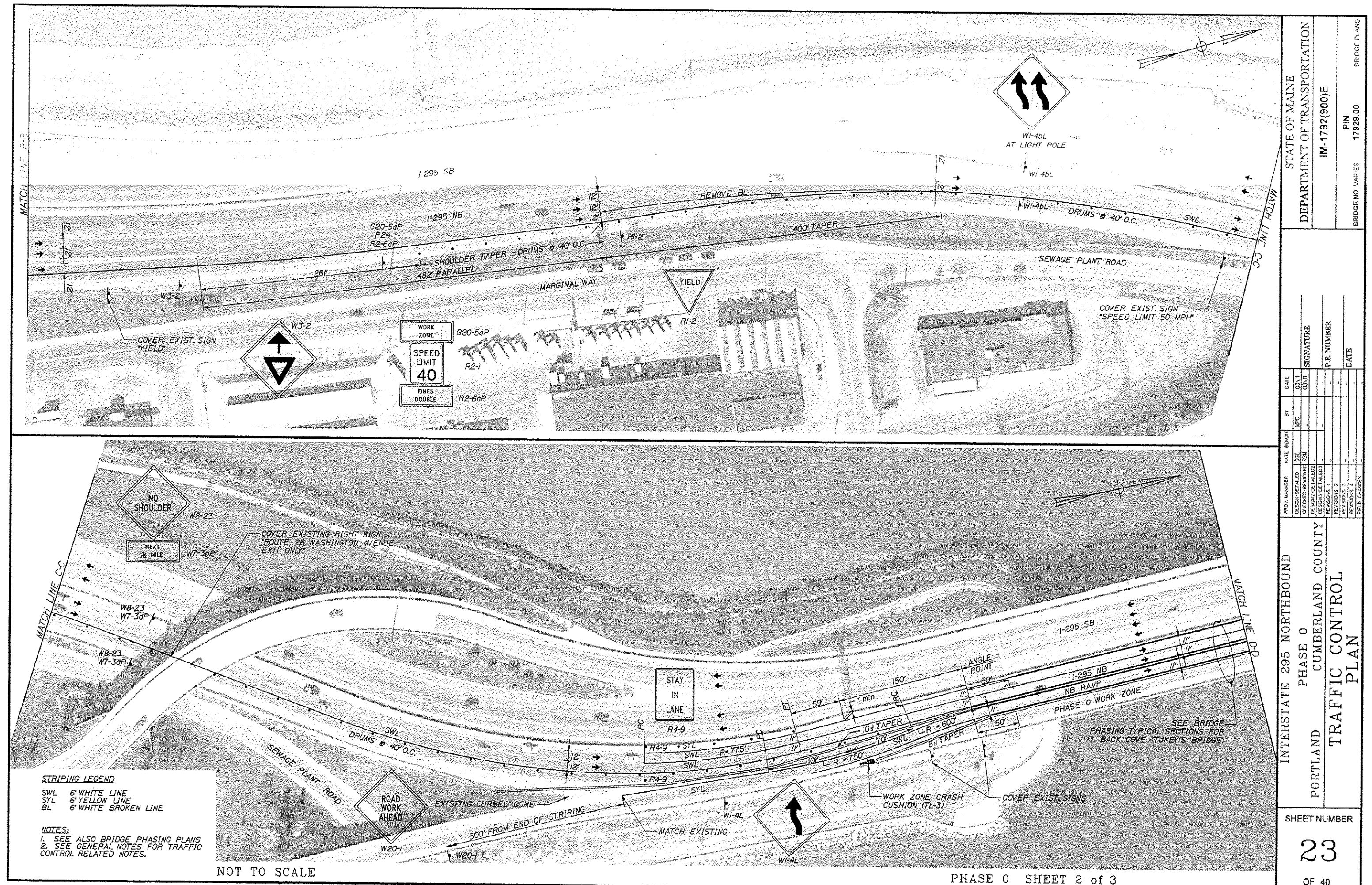
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CHECKED-REVIEWED	03/11		03/11			
DESIGN-REVIEWED						
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

INTERSTATE 295 NORTHBOUND
SHERWOOD STREET, SLRR/CNRR
AND KENSINGTON STREET
PORTLAND CUMBERLAND COUNTY
**BRIDGE PHASING
TYPICAL SECTION**

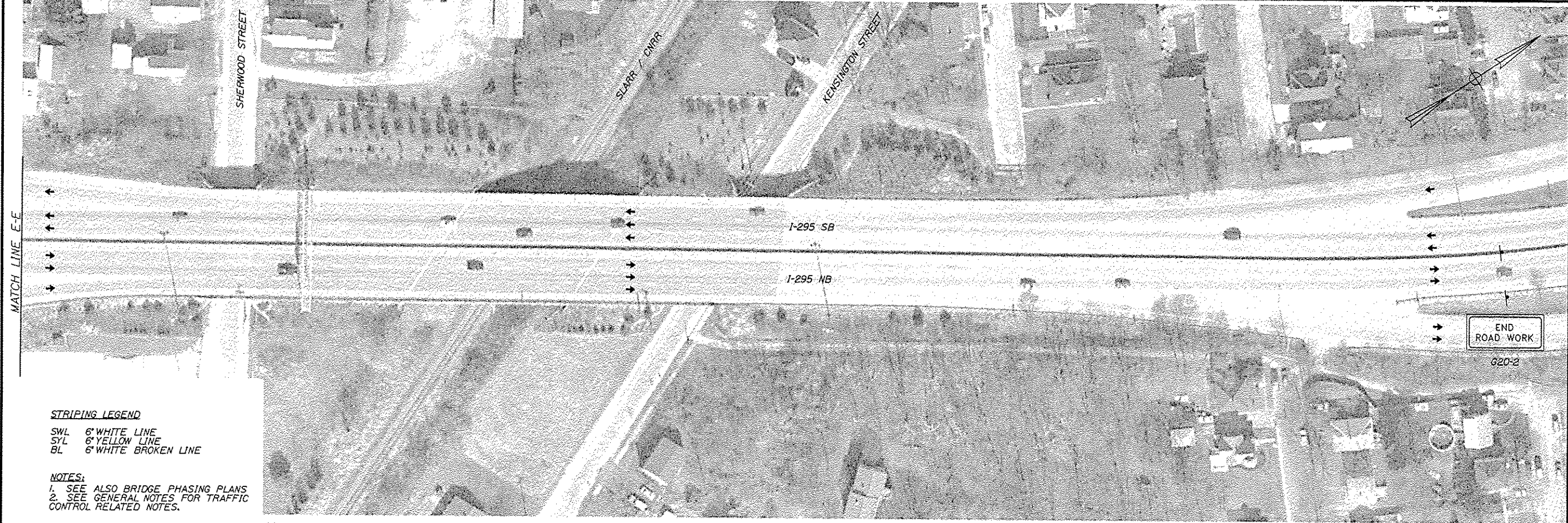
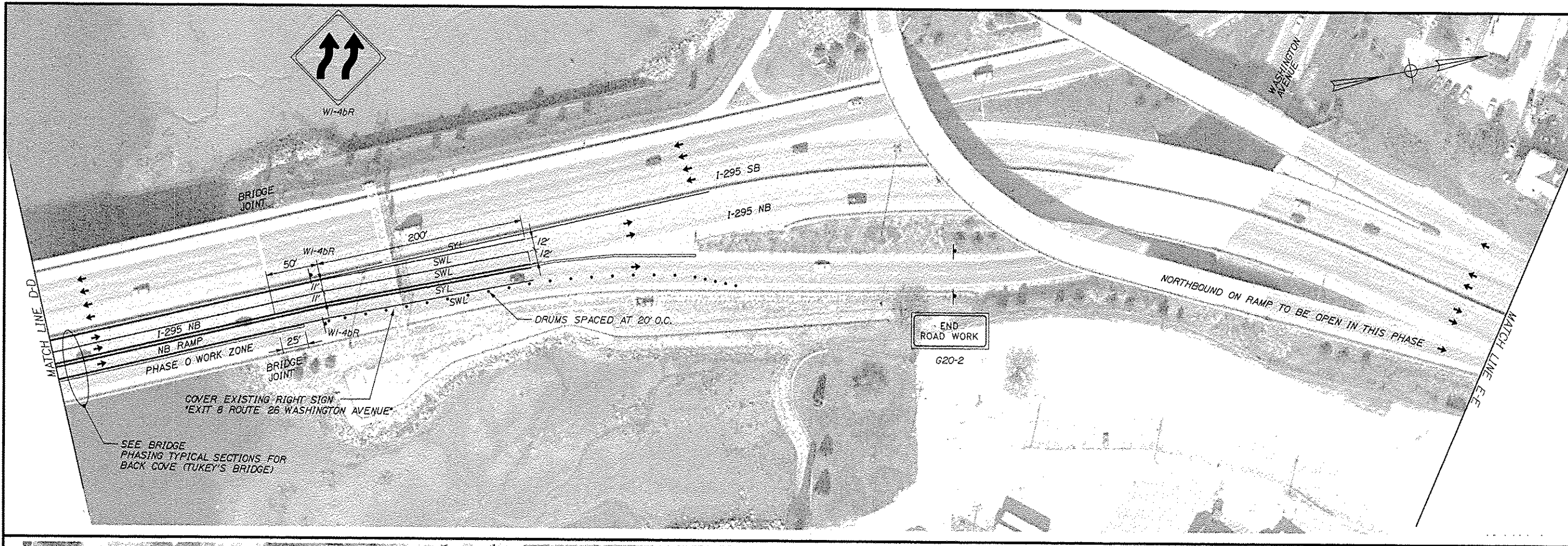
SHEET NUMBER

21

OF 40



SHEET NUMBER		23		OF 40	
INTERSTATE 295 NORTHBOUND		PHASE 0		PORTLAND CUMBERLAND COUNTY	
TRAFFIC CONTROL		PLAN			
PROJ. MANAGER	NATE BENNETT	BY	DATE		
DESIGN-DETAILED	JOE	APC	03/19		
CHECKED-REVIEWED	RSU		03/17		
DESIGN-DETAILED	ED2			SIGNATURE	
DESIGN-DETAILED	ED3				
REVISIONS 1				P.E. NUMBER	
REVISIONS 2					
REVISIONS 3					
REVISIONS 4				DATE	
FIELD CHANGES					
STATE OF MAINE			DEPARTMENT OF TRANSPORTATION		
IM-1792(900)E			BRIDGE NO. VARIES		
PIN			17929.00		
BRIDGE NO. VARIES			BRIDGE PLANS		

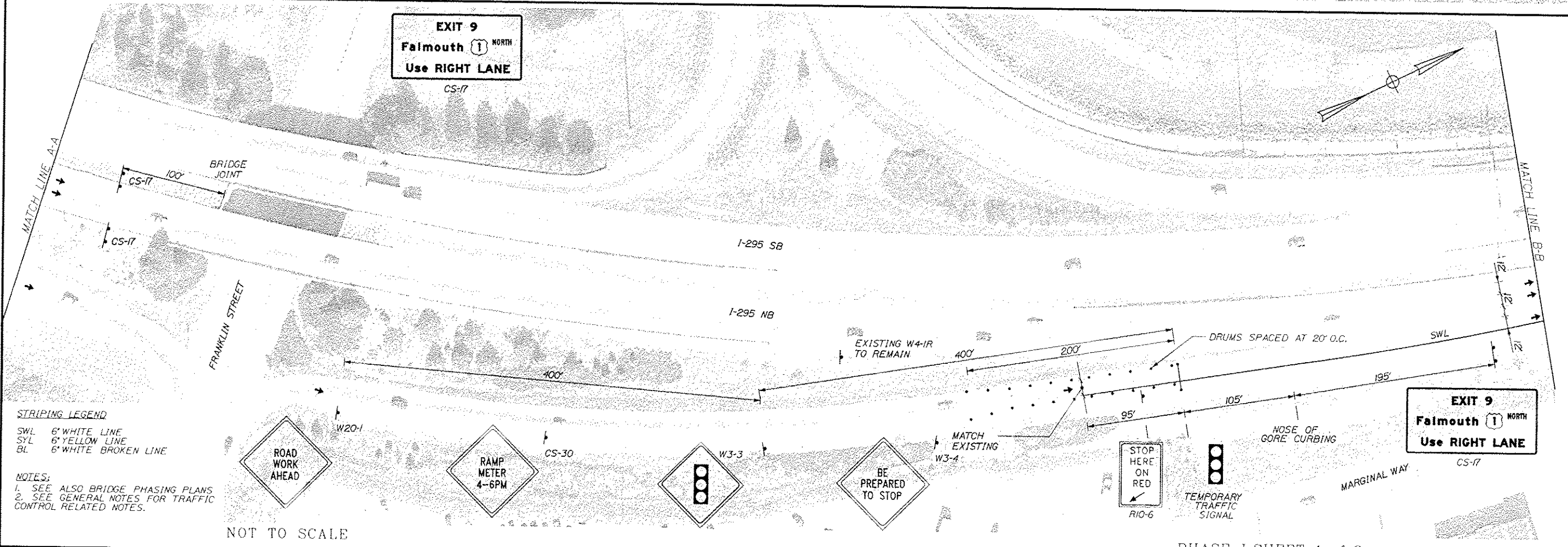


STRIPING LEGEND
SWL 6" WHITE LINE
SYL 6" YELLOW LINE
BL 6" WHITE BROKEN LINE

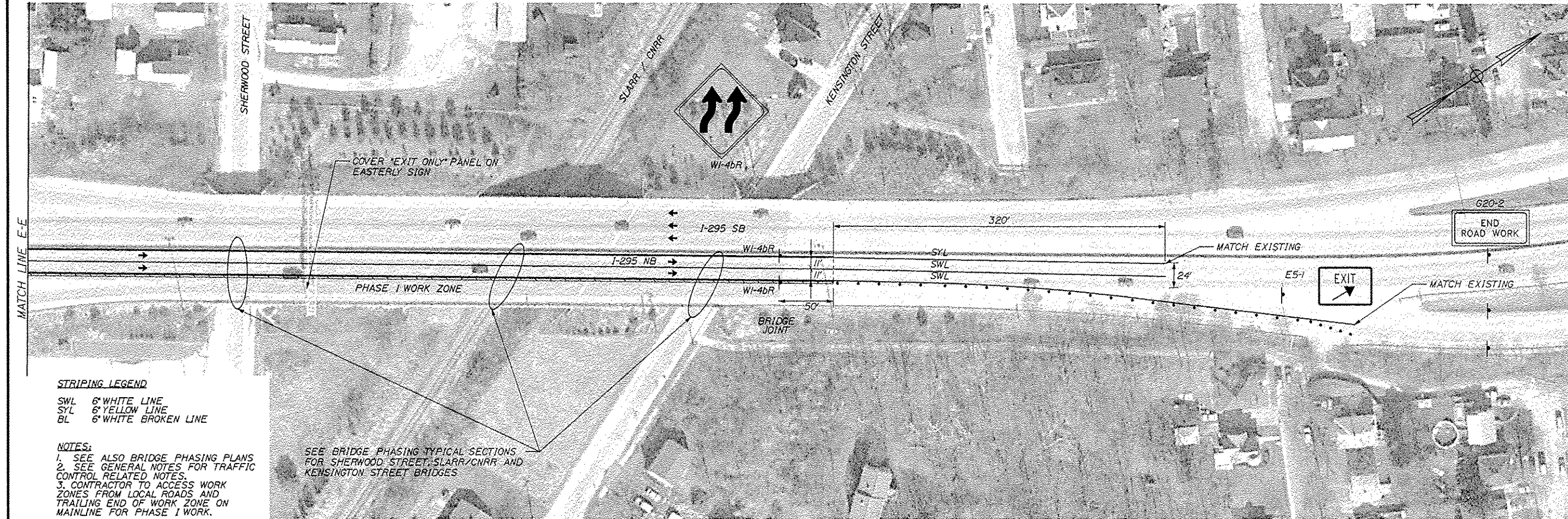
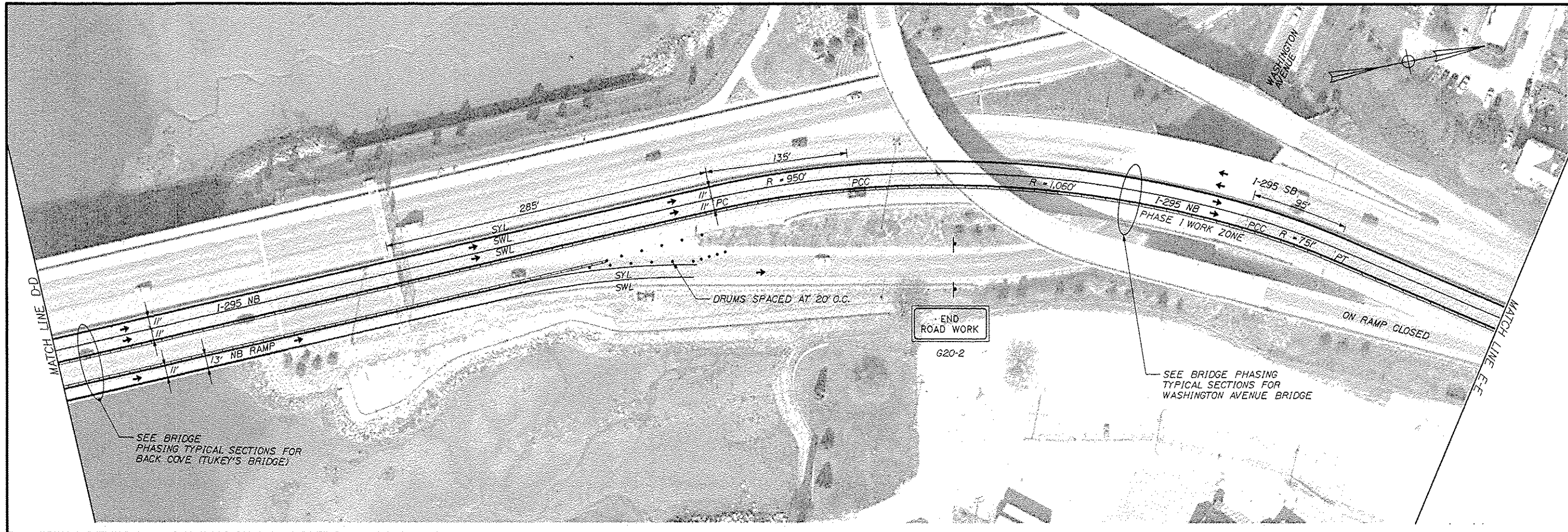
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E		BRIDGE NO. VARIES PIN 17929.00 BRIDGE PLANS	
PROJECT MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	DATE 03/10 03/11 - - - - - -	BY LFC - - - - - - -	SIGNATURE P.E. NUMBER DATE
INTERSTATE 295 NORTHBOUND PHASE 0 PORTLAND CUMBERLAND COUNTY		TRAFFIC CONTROL PLAN	
SHEET NUMBER 24 OF 40			



SHEET NUMBER		INTERSTATE 295 NORTHBOUND PHASE I PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN				PROJ. MANAGER NATE STODOL		S*	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E		BRIDGE NO. VARIES PIN 17929 00 BRIDGE PLANS	
25						DESIGNER NATE STODOL	W.P.	05-11	SIGNATURE				
OF 40						ASSISTANT SUPERVISOR NATE STODOL	-	-	P.E. NUMBER				
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						CHECKER NATE STODOL	-	-				</	



STRIPING LEGEND
SWL 6" WHITE LINE
SYL 6" YELLOW LINE
BL 6" WHITE BROKEN LINE

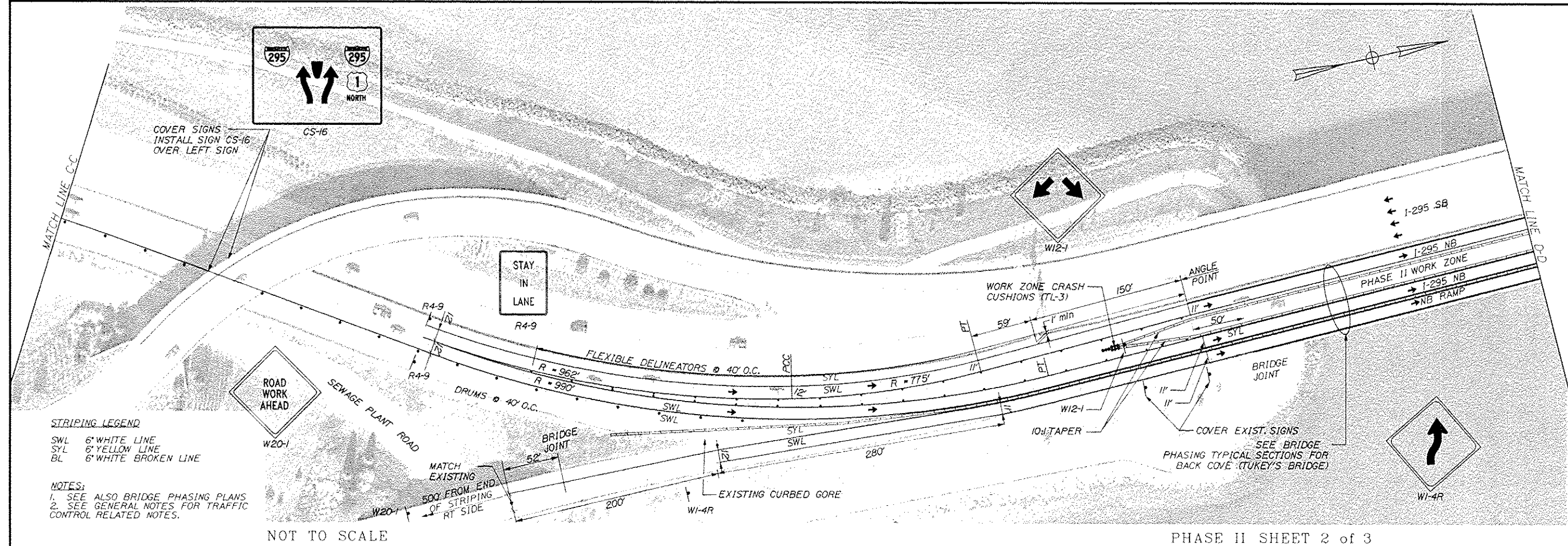
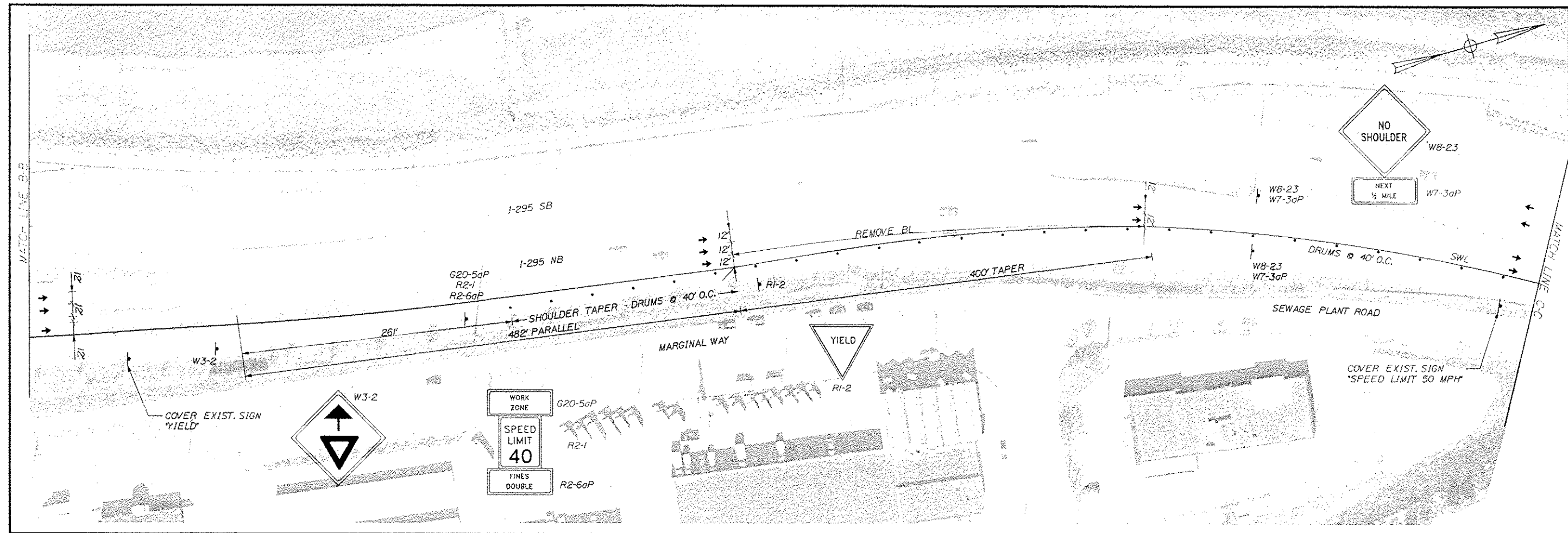
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.
3. CONTRACTOR TO ACCESS WORK ZONES FROM LOCAL ROADS AND TRAILING END OF WORK ZONE ON MAINLINE FOR PHASE I WORK.

SEE BRIDGE PHASING TYPICAL SECTIONS FOR SHERWOOD STREET, SLARR/CNRR AND KENSINGTON STREET BRIDGES

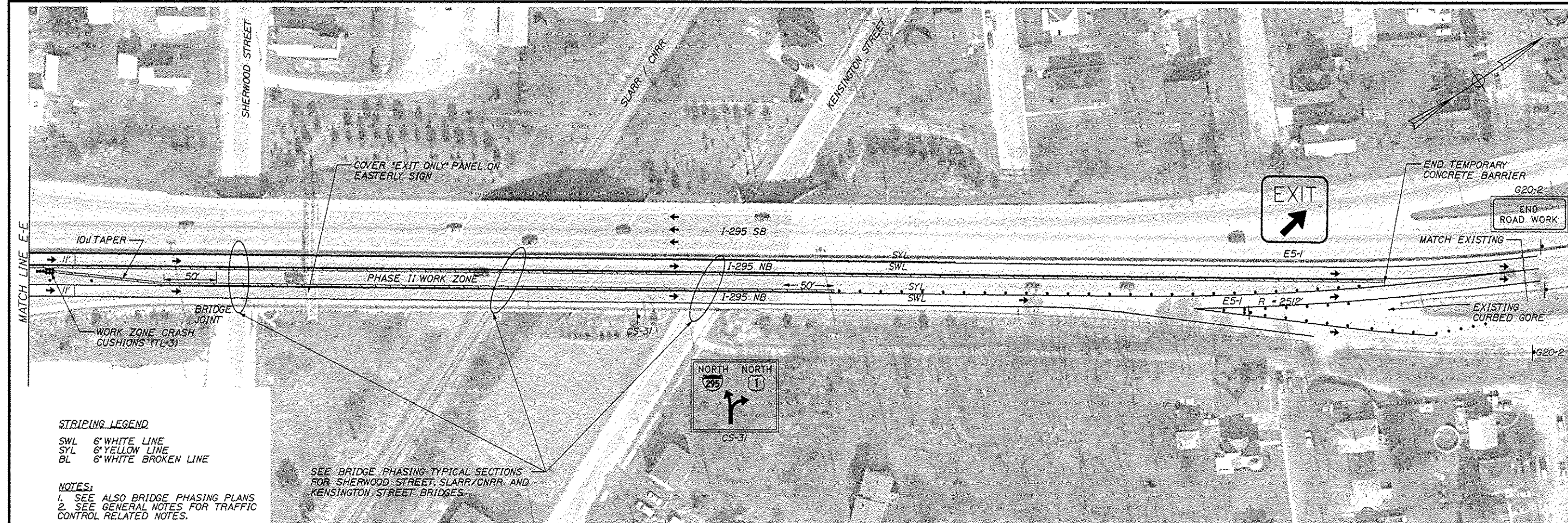
NOT TO SCALE

PHASE I SHEET 3 of 3

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E										

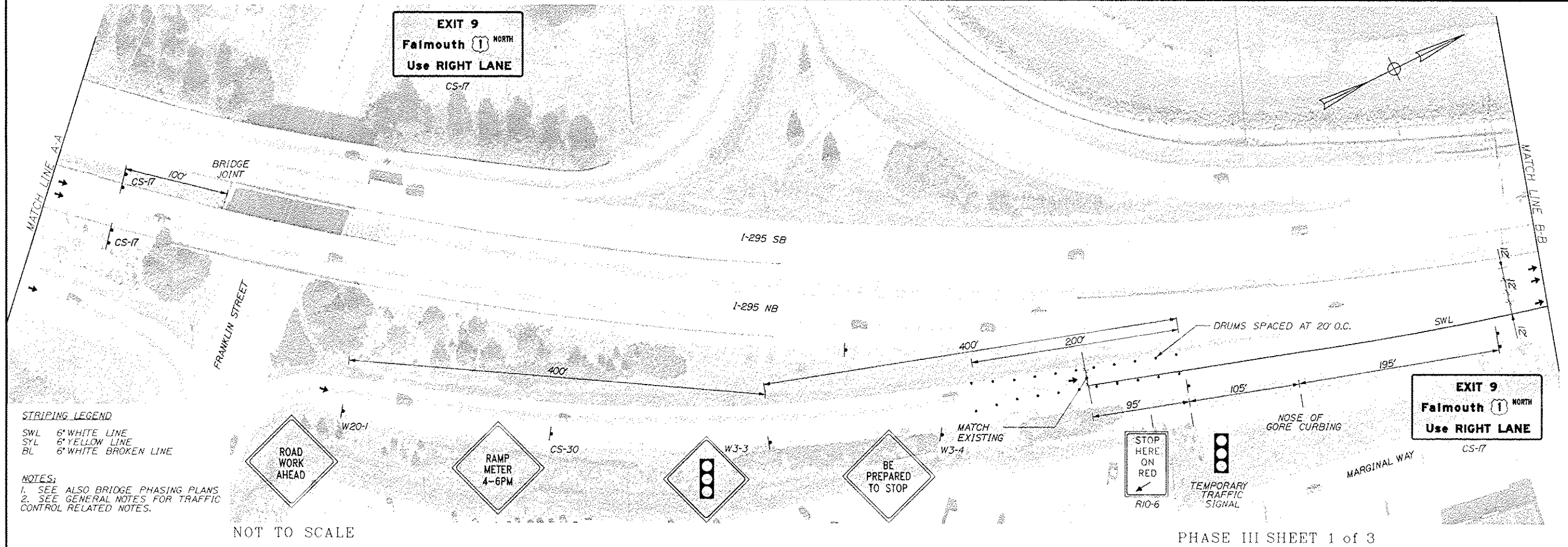
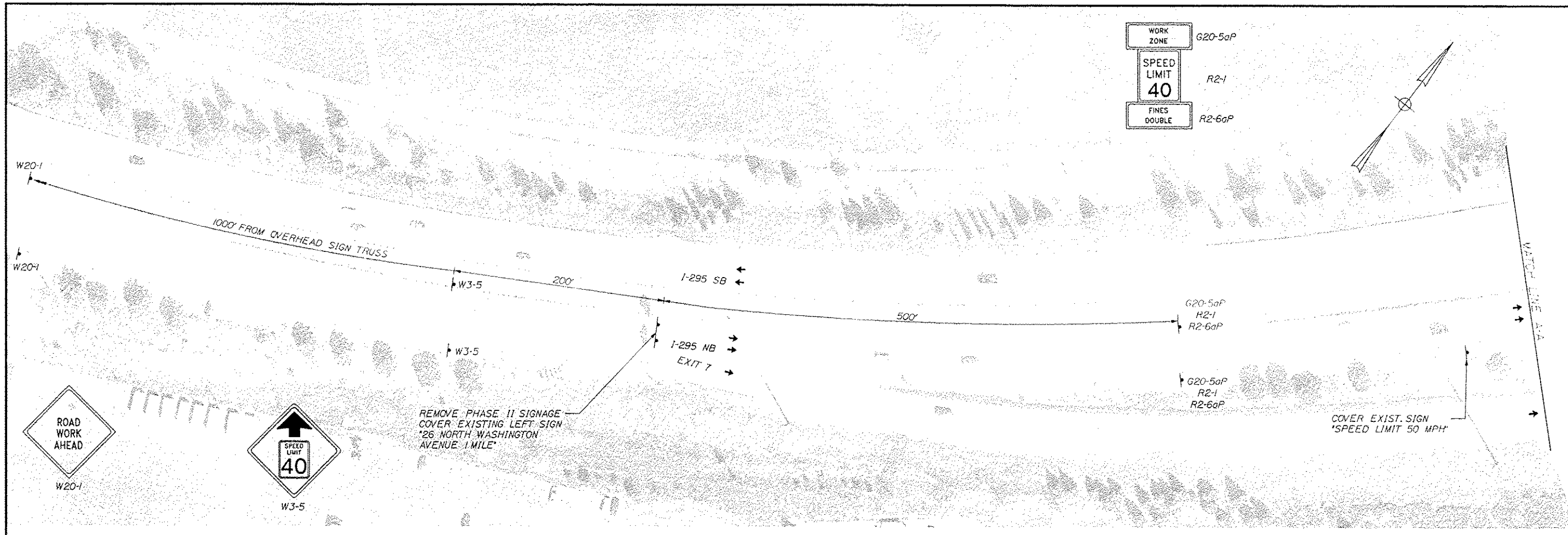


SHEET NUMBER		29		OF 40	
INTERSTATE 295 NORTHBOUND		PHASE II		PORTLAND CUMBERLAND COUNTY	
TRAFFIC CONTROL		PLAN			
PROJ. NUMBER	NATE BRIDGE	BT	DATE		
DESIGN STARTED	DATE	WKS	DATE		
CHECKED REVIEWED	BY		SIGNATURE		
DESIGNED BY	DATE		P.E. NUMBER		
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4			DATE		
FIELD CHANGES					
STATE OF MAINE			BRIDGE NO. VARIES		
DEPARTMENT OF TRANSPORTATION			PIN		
IM-1792(900)E			17929.00		
			BRIDGE PLANS		

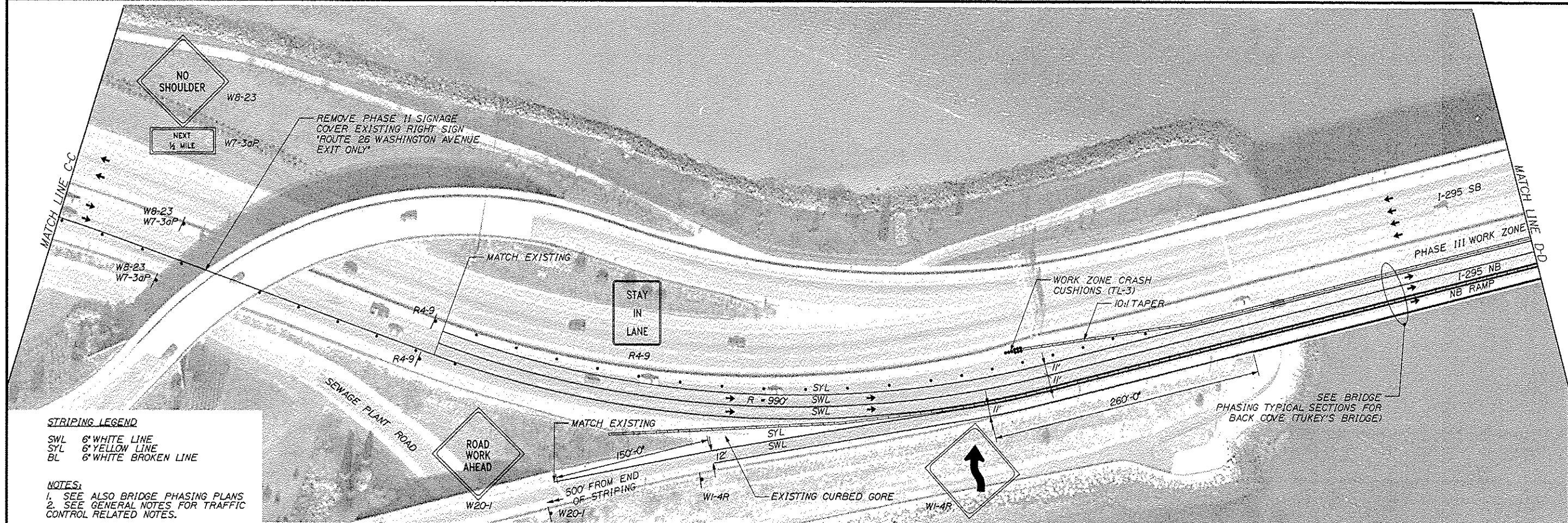
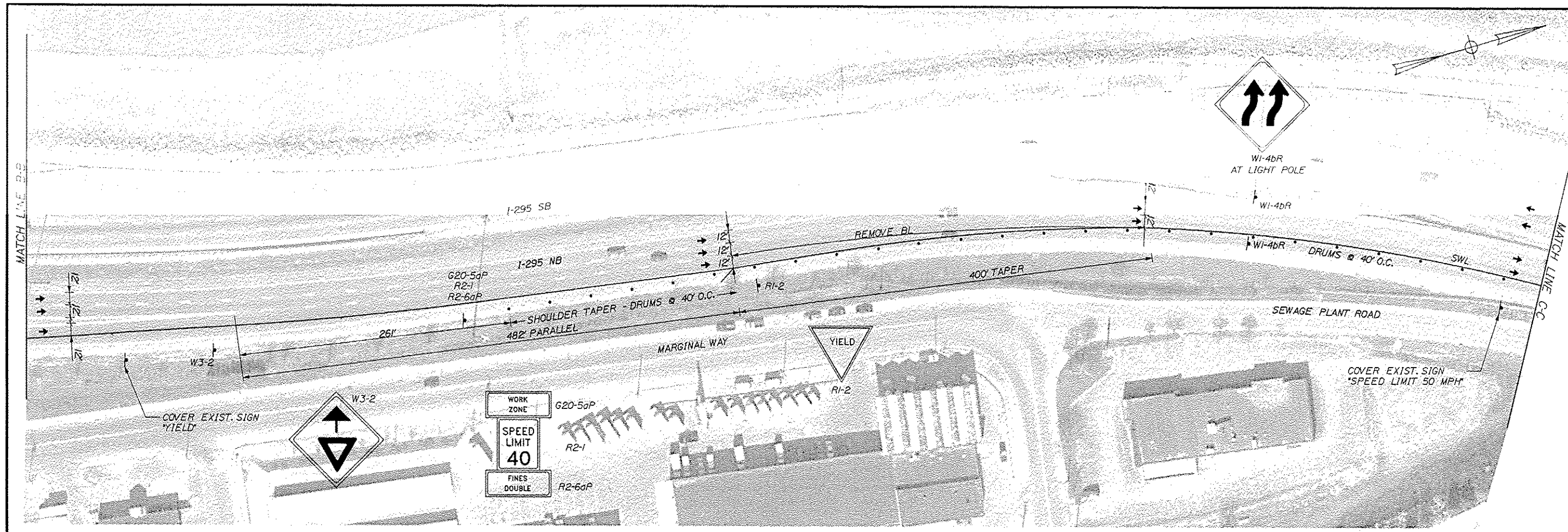


PHASE II SHEET 3 of 3

INTERSTATE 295 NORTHBOUND PHASE II PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN	PROJ. MANAGER CHECKED-REVIEWED DESIGNER-DETAILED DESIGNER-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES DATE BENCH DATE MFC DATE DATE DATE DATE DATE DATE DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E PIN BRIDGE NO. VARIES 17929.00 BRIDGE PLANS DATE SIGNATURE P.E. NUMBER DATE
	SHEET NUMBER 30 OF 40	



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(900)E		BRIDGE NO VARIES		PIN	17929.00	BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND		PHASE III		CUMBERLAND COUNTY		PORTLAND		TRAFFIC CONTROL PLAN		SHEET NUMBER	
DATE		BY		SIGNATURE		P.E. NUMBER		DATE		31	
DESIGNED		CHECKED		DESIGNED		REVISIONS		REVISIONS		OF 40	
DATE		DATE		DATE		DATE		DATE			
DATE		DATE		DATE		DATE		DATE			



NOT TO SCALE

PHASE III SHEET 2 of 3

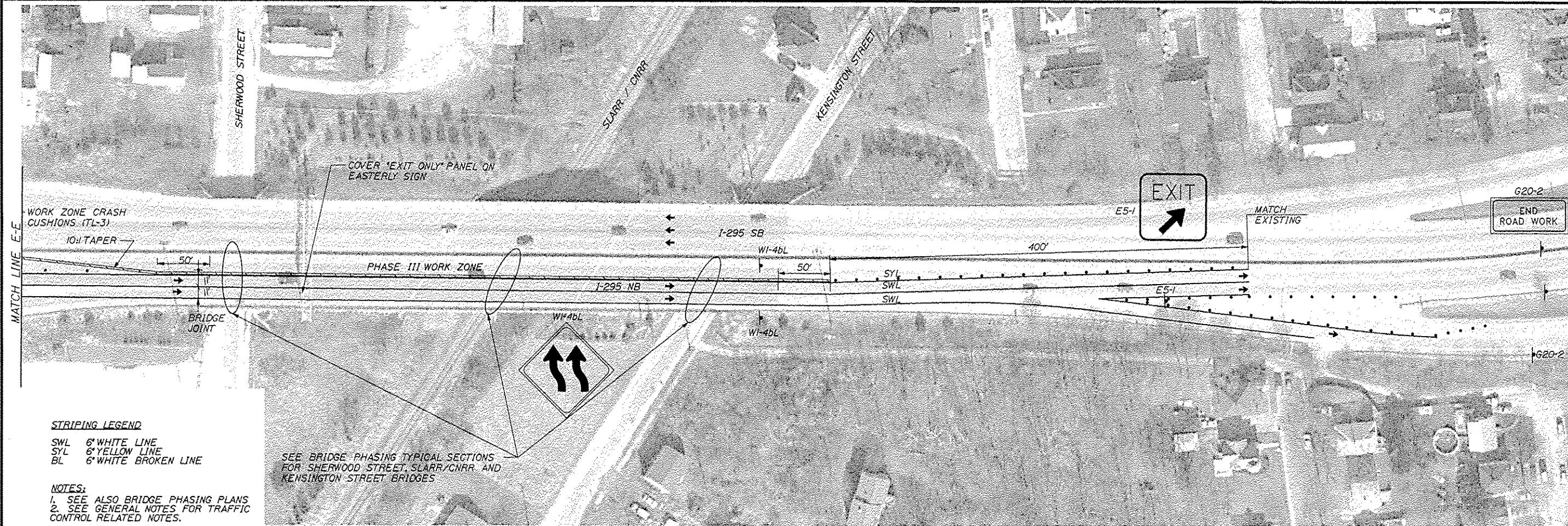
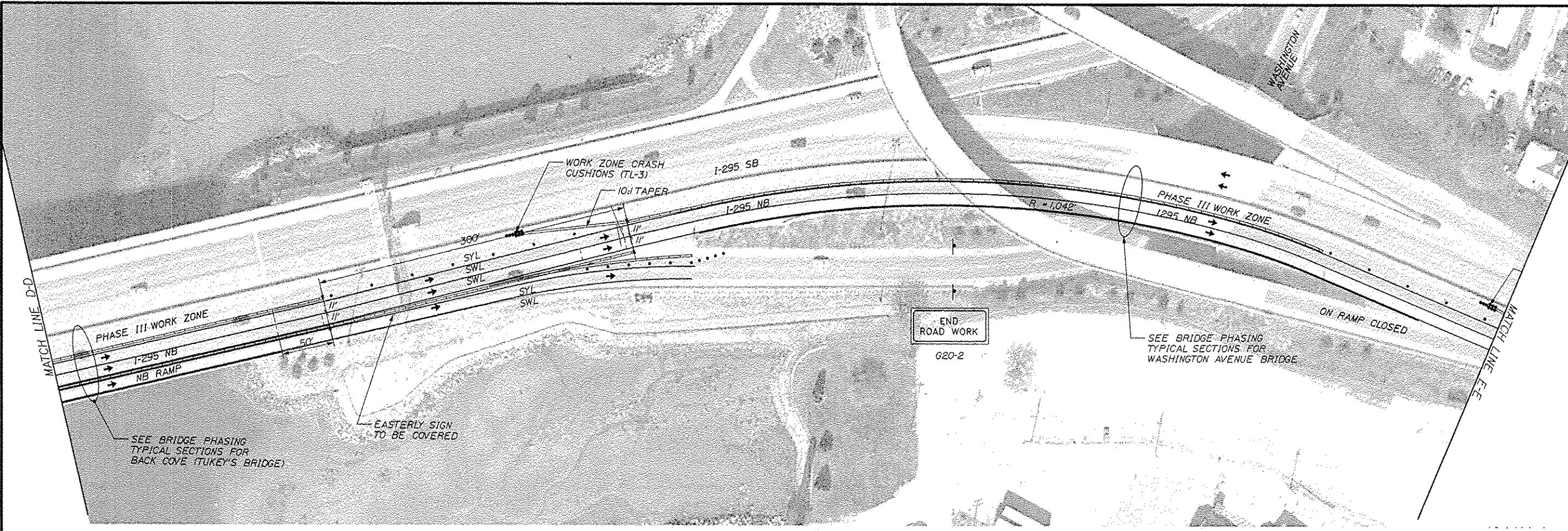
SHEET NUMBER		INTERSTATE 295 NORTHBOUND		PROJECT MANAGER		DATE BIDDING		BY		DATE		STATE OF MAINE	
32		PHASE III		DESIGN-DETAILED		DOE		MFC		03/01		DEPARTMENT OF TRANSPORTATION	
OF 40		PORTLAND		CHECKED-REVIEWED		REU		-		03/01		SIGNATURE	
		CUMBERLAND COUNTY		DESIGN-DETAILED		EDM		-				P.E. NUMBER	
				DESIGN-DETAILED		DOE		-				IM-1792(900)E	
				REVISIONS 1				-					
				REVISIONS 2				-					
				REVISIONS 3				-					
				REVISIONS 4				-				PIN	
				FIELD CHANGES				-				BRIDGE NO. VARIES	
								-				17929.00	
								-				BRIDGE PLANS	

Date: 3/20/2011

Username: rhant

Division: HIGHWAY

Filename: 033_Phase 03 Plan 03.dgn



STRIPING LEGEND
SWL 6" WHITE LINE
SYL 6" YELLOW LINE
BL 6" WHITE BROKEN LINE

NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

PHASE III SHEET 3 of 3

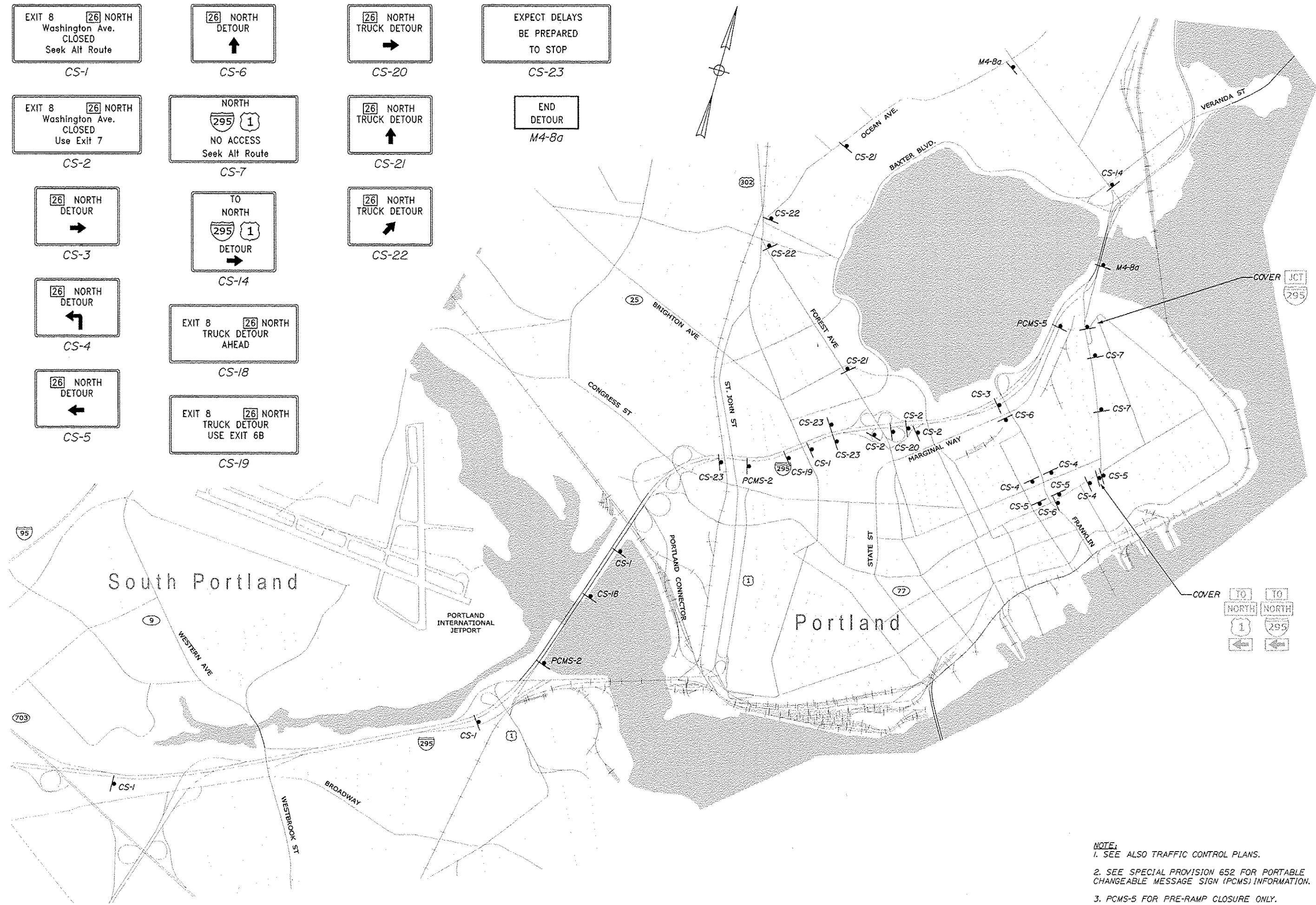
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-1792(900)E		BRIDGE NO. VARIES	
PIN 17929.00		BRIDGE PLANS	
DATE	BY	DATE	BY
03/11	WFC	03/11	WFC
SIGNATURE		P.E. NUMBER	
DATE		DATE	
FIELD CHANGES		FIELD CHANGES	
INTERSTATE 295 NORTHBOUND		SHEET NUMBER	
PHASE III		33	
PORTLAND CUMBERLAND COUNTY		OF 40	
TRAFFIC CONTROL PLAN			

Date: 3/30/2011

Username: mcardiff

Division: HIGHWAY

Filename: 034_Detour01.dgn



NOTE:
1. SEE ALSO TRAFFIC CONTROL PLANS.
2. SEE SPECIAL PROVISION 652 FOR PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INFORMATION.
3. PCMS-5 FOR PRE-RAMP CLOSURE ONLY.

NOT TO SCALE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(900)E		BRIDGE NO. Varies PIN 17929.00 BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND PORTLAND CUMBERLAND COUNTY	I-295 NORTH EXIT 8 DETOUR PLAN		
SHEET NUMBER 34 OF 40			

Date: 3/30/2011

Username: mcundiff

Division: HIGHWAY

Filename: 036_LocalSigning.dgn

295 NORTH
EXIT 8 CLOSED
Seek ALT Route

CS-12

WIDE LOADS OVER 10'-0"
PROHIBITED
I-295 NB PORTLAND
SEEK ALT ROUTE

WL-1

ALL WIDE LOADS
OVER 10'-0"
MUST EXIT

WL-2

WIDE LOADS
OVER 10'-0"
PROHIBITED

WL-3



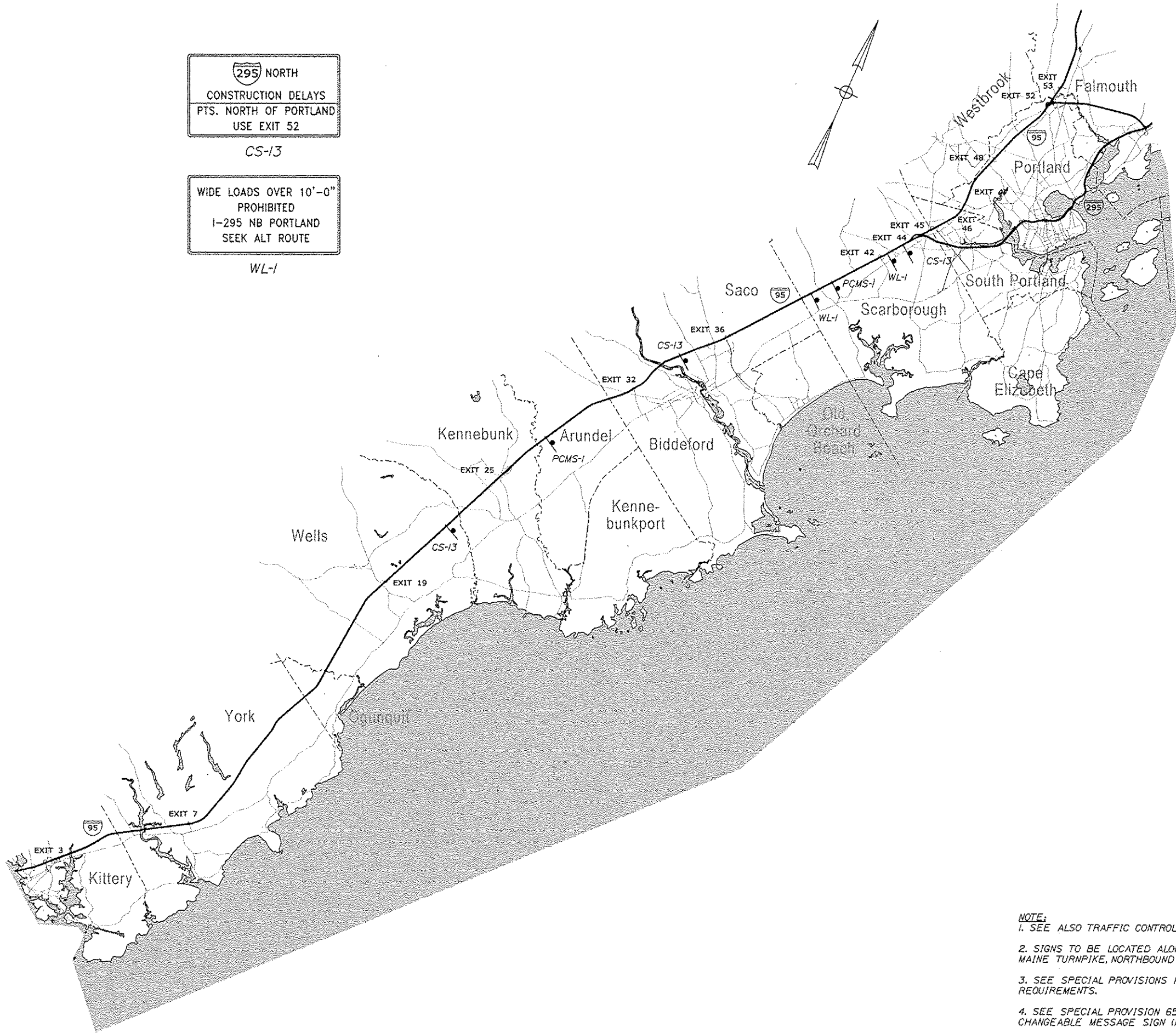
CS-29



NOTE:
1. SEE ALSO TRAFFIC CONTROL PLANS.
2. SEE SPECIAL PROVISION 652 FOR PORTABLE
CHANGEABLE MESSAGE SIGN (PCMS) INFORMATION.

NOT TO SCALE

INTERSTATE 295 NORTHBOUND PORTLAND CUMBERLAND COUNTY				STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
LOCAL SIGNING PLAN				IM-1792(900)E			
SHEET NUMBER				BRIDGE NO. Varies			
36				PIN 17929.00			
OF 40				BRIDGE PLANS			



295 NORTH
CONSTRUCTION DELAYS
PTS. NORTH OF PORTLAND
USE EXIT 52

CS-13

WIDE LOADS OVER 10'-0"
PROHIBITED
I-295 NB PORTLAND
SEEK ALT ROUTE

WL-1

- NOTE:**
- 1. SEE ALSO TRAFFIC CONTROL PLANS.
 - 2. SIGNS TO BE LOCATED ALONG THE RIGHT SIDE OF THE MAINE TURNPIKE, NORTHBOUND BARREL.
 - 3. SEE SPECIAL PROVISIONS FOR TURNPIKE COORDINATION REQUIREMENTS.
 - 4. SEE SPECIAL PROVISION 652 FOR PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INFORMATION.

NOT TO SCALE

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-1792(900)E		BRIDGE NO. Varies	PIN 17929.00
INTERSTATE 295 NORTHBOUND		DATE	BY
PORTLAND		DATE	BY
CUMBERLAND COUNTY		DATE	BY
REGIONAL SIGNING PLAN		DATE	BY
SHEET NUMBER		DATE	BY
37		DATE	BY
OF 40		DATE	BY
BRIDGE PLANS		DATE	BY

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
IM-1792(900)E	
BRIDGE NO. VARIES	PIN 17929.00
BRIDGE PLANS	

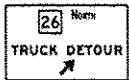
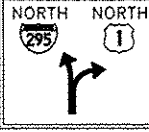
Z SIGNS PROVIDED BY MAINE DOT

NOTE: INFORMATION SHOWN REFLECTS SIGNAGE FOR BRIDGE TRAFFIC CONTROL PLANS ONLY. ADDITIONAL SIGNAGE IS REQUIRED FOR HIGHWAY PRESERVATION WORK AND FOR NIGHT TIME LANE CLOSURES.

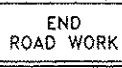
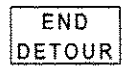
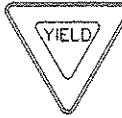
INTERSTATE 295 NORTHBOUND		PROJ. MANAGER	NATE SERRIOT	BY	DATE
ALL PHASES		DESIGN-DETAILED	LOG	MPC	05/11/01
PORTLAND CUMBERLAND COUNTY		CHECKED-REVIEWED	REM		05/11/01
SIGN SUMMARY		DESIGN2-DETAILED2			SIGNATURE
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			DATE
		FIELD CHANGES			

CONSTRUCTION SIGN SUMMARY

NOTE:
INFORMATION SHOWN REFLECTS SIGNAGE FOR BRIDGE TRAFFIC CONTROL PLANS ONLY. ADDITIONAL
SIGNAGE IS REQUIRED FOR HIGHWAY PRESERVATION WORK AND FOR NIGHT TIME LANE CLOSURES.

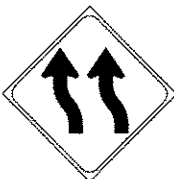
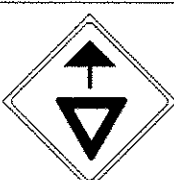
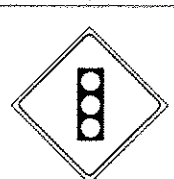
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
Z CS-21	36"	30"		SEE SPECIAL PROVISION 652 FOR TEXT DIMENSIONS			2	ORANGE	BLACK		7.50 (15)
Z CS-22	36"	30"					2				7.50 (15)
Z CS-23	96"	48"					3				32.00 (96)
Z * CS-26	48"	48"					2				16.00 (32)
Z CS-27	48"	30"					1	WHITE	BLACK		10.00 (10)
Z * CS-28	48"	48"					2	ORANGE	BLACK		16.00 (32)
Z CS-29	48"	48"					2	YELLOW	BLACK		16.00 (32)
Z CS-30	48"	48"					1	YELLOW	BLACK		16.00 (16)
Z CS-31	54"	42"					1	ORANGE	BLACK		15.75 (15.75)

* UNDETERMINED LOCATION
Z SIGNS PROVIDED BY MAINE DOT

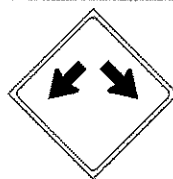
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
E5-1	48"	42"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			1	COLORS SHALL CONFORM TO STANDARD HIGHWAY SIGN DETAILS			14.00 (14)
G20-2	48"	24"					5				8.00 (40)
G20-5aP	36"	24"					3				6.00 (18)
M4-8	24"	12"					7				2.00 (14)
M4-8a	24"	18"					3				3.00 (9)
M4-10L	48"	18"					1				6.00 (6)
M5-1L	21"	15"					2				2.20 (4.4)
M6-1L	21"	15"					3				2.20 (6.6)
R1-2	60"	60" x 60"					1				12.50 (12.5)
R2-1 (40)	48"	60"					3				20.00 (60)
R2-6aP	36"	24"					2				6.00 (12)
R4-9	48"	60"					2				20.00 (40)
R5-1	36"	36"					2				9.00 (18)

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(900)E		BRIDGE PLANS	
				PIN		17929.00	
				BRIDGE NO. VARIES			
INTERSTATE 295 NORTHBOUND		ALL PHASES		CUMBERLAND COUNTY		SIGN SUMMARY	
PORTLAND							
SHEET NUMBER		39		OF 40			

CONSTRUCTION SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
R5-1a	36"	24"	WRONG WAY	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			2	COLORS SHALL CONFORM TO STANDARD HIGHWAY SIGN DETAILS			6.00 (12)
R10-6	24"	36"	STOP HERE ON RED				1				6.00 (6)
W1-4R	48"	48"					1				16.00 (16)
W1-4L	48"	48"					1				16.00 (16)
W1-4bR	48"	48"					2				16.00 (32)
W1-4bL	48"	48"					2				16.00 (32)
W3-2	48"	48"					1				16.00 (16)
W3-3	48"	48"					1				16.00 (16)
W3-4	48"	48"	BE PREPARED TO STOP				1				16.00 (16)

NOTE: INFORMATION SHOWN REFLECTS SIGNAGE FOR BRIDGE TRAFFIC CONTROL PLANS ONLY. ADDITIONAL SIGNAGE IS REQUIRED FOR HIGHWAY PRESERVATION WORK AND FOR NIGHT TIME LANE CLOSURES.

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
W3-5	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			2	COLORS SHALL CONFORM TO STANDARD HIGHWAY SIGN DETAILS			16.00 (32)
W7-3aP	36"	30"	NEXT 1/2 MILE				2				7.50 (15)
W8-23	48"	48"	NO SHOULDER				2				16.00 (32)
W12-1	36"	36"					1				9.00 (9)
W20-1	48"	48"	ROAD WORK AHEAD				4				16.00 (64)

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
Z WL-1	96"	48"	WIDE LOADS OVER 10'-0" PROHIBITED I-295 NB PORTLAND SEEK ALT ROUTE	SEE SPECIAL PROVISION 652 FOR TEXT DIMENSIONS			6	WHITE	BLACK		32.00 (192)
Z WL-2	96"	48"	ALL WIDE LOADS OVER 10'-0" MUST EXIT 				2				32.00 (64)
Z WL-3	36"	24"	WIDE LOADS OVER 10'-0" PROHIBITED				1				6.00 (6)

Z SIGNS PROVIDED BY MAINE DOT

STATE OF MAINE	DEPARTMENT OF TRANSPORTATION	IM-1792(900)E	BRIDGE NO. VARIES	PIN	17929.00	BRIDGE PLANS
INTERSTATE 295 NORTHBOUND						
ALL PHASES						
CUMBERLAND COUNTY						
PORTLAND						
SIGN SUMMARY						
SHEET NUMBER						
40						
OF 40						