

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



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..... $f_y = 60,000$ 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.

S. PORTLAND TO PORTLAND
CUMBERLAND COUNTY
INTERSTATE 295 NORTHBOUND
BRIDGE REHABILITATION
PROJECTS

IM-1792(910)E

PROJECT LENGTH 5.3 mi.
WEARING SURFACE REPLACEMENTS,
DECK REHABILITATIONS, JOINT MODIFICATIONS,
ENDPOST REPLACEMENTS, DRAIN AND
RAILING REPAIRS

BRIDGE NUMBERS:
6273, 6249, 6281, 6291,
6292, 6294, 6295, 6296,
6297, 6298, 6299,
6300, 5915

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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED 	DATE 1/17/12
COMMISSIONER DAVID J. SHAW		
CHIEF ENGINEER DAVID J. SHAW		
PROJECT INFORMATION		
PROGRAM Nile Baril	DESIGNER Ben Elmer	PROJECT RESIDENT HVB
PROJECT MANAGER Nile Baril	CONTRACTOR	PROJECT COMPLETION DATE
INTERSTATE 295 NORTHBOUND S. PORTLAND TO PORTLAND CUMBERLAND COUNTY		
TITLE SHEET		
SHEET NUMBER 1		
OF 111		

2-22

Date: 1/23/2012

Username: mrcundiff

Division: BRIDGE

Filename: 002_Estimate&GN.dgn

ESTIMATED BRIDGE QUANTITIES																	
ITEM NO.	DESCRIPTION	QUANTITY 8239E, SR 703	QUANTITY Westbrook Street	QUANTITY Fore River	QUANTITY PTRR, Fore River	QUANTITY Portland Connector, Westbrook Art.	QUANTITY Congress Str. & Park Ave.	QUANTITY St. James Str. (Mainline)	QUANTITY St. James Str. (Ramp)	QUANTITY PTRR, St. John Street	QUANTITY St. John Street	QUANTITY Forest Avenue	QUANTITY Preble Street	QUANTITY Franklin Arterial	QUANTITY Washington Ave. NB On Ramp	TOTAL	UNIT
		Br. No. 6273	Br. No. 6249	Br. No. 6281	Br. No. 6291	Br. No. 6292	Br. No. 6294	Br. No. 6295	Br. No. 6295	Br. No. 6296	Br. No. 6297	Br. No. 6298	Br. No. 6299	Br. No. 6300			
202.202	REMOVING PAVEMENT SURFACE	1575	650	2750	975	1285	1450	485	255	725	650	670	800	525	645	13440	SY
203.2312	HEALTH AND SAFETY PLAN	0.11	0.05	0.20	0.07	0.09	0.11	0.04	0.02	0.06	0.05	0.05	0.06	0.04	0.05	1	LS
403.2081	12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	140	54	230	82	108	130	41	22	60	54	56	67	44	54	1142	T
403.2101	9.5 MM POLYMER MODIFIED HOT MIX ASPHALT	0	0	160	55	72	81	27	15	41	36	37	45	31	0	600	T
403.211	HMA (SHIMMING)	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	T
403.2131	12.5 MM POLYMER MODIFIED HMA BASE	140	54	0	0	0	0	0	0	0	0	0	0	0	54	248	T
409.15	BITUMINOUS TACK COAT - APPLIED	79	33	138	50	65	73	25	13	37	33	34	40	27	40	687	GAL
429.34	GRID/FABRIC COMPOSITE PAVEMENT INTERLAYER	0	0	0	0	840	0	0	0	0	0	0	0	0	0	840	SF
502.70	BRIDGE DRAIN - TYPE A	4	0	0	0	0	0	0	0	0	0	0	0	0	6	10	EA
502.70	BRIDGE DRAIN - TYPE A (MODIFIED)	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	EA
502.70	BRIDGE DRAIN - TYPE C	0	0	20	0	0	0	0	0	0	0	0	0	0	0	20	EA
502.702	REMOVE BRIDGE DRAIN	0	1	0	0	0	0	0	0	0	0	0	0	0	4	5	EA
506.144	FIELD PAINTING OF EXISTING AND NEW STRUCTURAL STEEL	0	0	0	0.48	0.24	0	0	0	0	0	0.17	0	0	0.11	1	LS
506.17	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	0	0	0	0.48	0.24	0	0	0	0	0	0.17	0	0	0.11	1	LS
506.18	CONTAINMENT AND POLLUTION CONTROL MEASURES	0	0	0	0.48	0.24	0	0	0	0	0	0.17	0	0	0.11	1	LS
506.191	DISPOSAL OF SPECIAL WASTE OR HAZARDOUS WASTE	0	0	0	0.48	0.24	0	0	0	0	0	0.17	0	0	0.11	1	LS
507.0926	FURNISH ALUMINUM BRIDGE RAIL COMPONENTS	0.11	0.05	0.20	0.07	0.09	0.11	0.04	0.02	0.06	0.05	0.05	0.06	0.04	0.05	1	LS
507.0927	ALUMINUM BRIDGE RAIL, 2 BAR POST REPLACEMENT	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3	EA
507.0928	ALUMINUM BRIDGE RAIL, RAIL SECTION REPLACEMENT	0	80	160	0	0	0	0	0	0	0	0	0	0	0	240	LF
507.30	ALUMINUM BRIDGE RAIL SPLICE RETROFIT	3	2	8	3	3	3	7	4	8	2	3	2	2	3	53	EA
507.31	ALUMINUM BRIDGE RAIL SPLICE INSPECTION	0.06	0.04	0.14	0.08	0.1	0.06	0.12	0.08	0.14	0.03	0.04	0.03	0.03	0.05	1	LS
507.32	ALUMINUM BRIDGE RAIL TOGGLE BOLT REPLACEMENT	0	48	0	0	0	0	0	0	0	0	0	0	0	0	48	EA
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (13440 SY)	0.11	0.05	0.20	0.07	0.09	0.11	0.04	0.02	0.06	0.05	0.05	0.06	0.04	0.05	1	LS
510.40	SPECIAL DETOUR - APPROACH PAVEMENT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	LS
510.41	SPECIAL DETOUR - MEDIAN ISLAND REMOVAL & RECONSTRUCTION, BRIDGE	0	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	1	LS
510.42	SPECIAL DETOUR - MEDIAN ISLAND REMOVAL & RECONSTRUCTION, HIGHWAY	0	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (505 SY)	0.14	0.07	0.09	0.07	0.04	0.11	0.05	0.05	0.04	0.05	0.07	0.08	0.07	0.07	1	LS
518.391	REPAIRING GRANITE CURB JOINT AND BEDDING MORTAR	140	68	370	184	200	140	67	69	131	68	77	69	69	110	1762	LF
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL <7.9 IN.	910	190	1790	570	750	840	140	80	220	190	200	230	160	190	6460	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL <7.9 IN.	205	45	405	130	170	190	35	20	50	45	55	45	35	45	1475	SF
518.52	REPAIR OF UPWARD FACING SURFACES >7.9 IN.	1	0.5	1	1	1	1	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	10	CY
518.60	REPAIR OF VERTICAL SURFACES < 7.9 IN.	20	20	10	10	30	10	10	10	10	10	20	10	20	10	200	SF
518.61	REPAIR OF VERTICAL SURFACES > 7.9 IN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	CY
520.2421	BRIDGE JOINT MODIFICATION TYPE 2A	0	0	0	0	0	0	0	1	1	0	0	0	0	1	3	EA
520.243	BRIDGE JOINT MODIFICATION TYPE 3	0	0	0	1	0	1	1	0	1	1	1	1	1	0	8	EA
520.244	BRIDGE JOINT MODIFICATION TYPE 4	0	1	0	1	0	0	1	0	1	1	1	1	1	1	9	EA
520.245	BRIDGE JOINT MODIFICATION TYPE 5	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3	EA
520.246	BRIDGE JOINT MODIFICATION TYPE 6	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	EA
520.2471	BRIDGE JOINT MODIFICATION TYPE 7A	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	EA
520.2472	BRIDGE JOINT MODIFICATION TYPE 7B	0	1	0	0	0	0	0	1	1	0	0	0	0	0	3	EA
524.301	TEMPORARY STRUCTURAL SUPPORT	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	LS
526.301	TEMPORARY CONCRETE BARRIER - TYPE 1 (13460 LF)	0.04	0.03	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.02	1	LS
526.34	PERMANENT CONCRETE TRANSITION BARRIER	4	4	4	4	4	4	2	2	0	2	4	4	4	4	46	EA
527.34	WORK ZONE CRASH CUSHIONS	2	1	1	2	1	1	1	0	0	0	2	2	1	1	15	UN
610.08	PLAIN RIPRAP	10	10	10	10	10	10	10	10	10	10	10	10	10	10	140	CY
620.58	EROSION CONTROL GEOTEXTILE	20	20	20	20	20	20	20	20	20	20	20	20	20	20	280	SY
627.744	6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	6500	7250	3850	3850	3850	4900	3850	1450	3850	3850	14750	4600	4600	1650	68800	LF
627.77	REMOVING EXISTING PAVEMENT MARKING	2850	3200	1800	1800	1800	1800	1800	1800	1800	1800	3450	3450	3450	1010	31810	SF
627.781	TEMPORARY 6" PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	9650	19050	7250	7250	7250	7250	7250	7250	7250	7250	13200	13200	13200	3600	129900	LF
629.05	HAND LABOR, STRAIGHT TIME	10	10	10	10	10	10	10	10	10	10	10	10	10	10	140	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	8	8	8	8	8	8	8	8	8	8	8	8	8	8	112	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	8	8	8	8	8	8	8	8	8	8	8	8	8	8	112	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	56	HR
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	56	HR
639.18	FIELD OFFICE TYPE A	0.11	0.05	0.20	0.07	0.09	0.11	0.04	0.02	0.06	0.05	0.05	0.06	0.04	0.05	1	EA
643.72	TEMPORARY TRAFFIC SIGNAL, RAMP METER	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	LS
645.306	FLEXIBLE REFLECTORIZED DELINEATOR	4	4	4	4	4	4	4	4	4	4	4	4	4	4	56	EA
652.30	FLASHING ARROW BOARD	1	1	1	0	0	1	0	0	1	0	1	0	0	1	7	EA
652.312	TYPE III BARRICADE	0	0	0	0	0	3	0	0	0	0	6	0	0	0	12	EA
652.33	DRUM	95	85	30	30	30	50	30	30	30	30	65	45	45	25	620	EA
652.34	CONE	10	10	10	10	10	10	10	10	10	10	10	10	10	10	140	EA
652.35	CONSTRUCTION SIGNS	430	430	430	430	430	430	430	430	430	430	430	430	430	430	6020	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	16	16	16	16	16	16	16	16	16	16	16	16	1			

* 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.

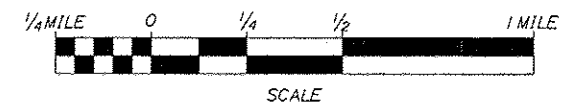
STATE OF MAINE	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	PIN 17929.10
IM-1792(910)E	BRIDGE NO. Varies

DATE	BY	DOE	DATE	BY	DOE
U12	U12	U12	U12	U12	U12
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
P.E. NUMBER	P.E. NUMBER	P.E. NUMBER	P.E. NUMBER	P.E. NUMBER	P.E. NUMBER
DATE	DATE	DATE	DATE	DATE	DATE

INTERSTATE 295 NORTHBOUND	ESTIMATED BRIDGE QUANTITIES
S. PORTLAND TO PORTLAND	
CUMBERLAND COUNTY	

SHEET NUMBER
2
OF 111

Filename: 003_GeneralNotes.dgn



SHEET NUMBER		INTERSTATE 295 NORTHBOUND S.PORTLAND TO PORTLAND CUMBERLAND COUNTY		PROJ. MANAGER		DSE	BY	DATE	STATE OF MAINE	
4 OF 111		LOCATION MAP		DESIGN DETAILED	RWH	MFC		12.11	DEPARTMENT OF TRANSPORTATION	
				CHECKED/REVIEWED	DSE	TRC		12.11	SIGNATURE	
				DESIGNER DETAIL E02						
				DESIGN DETAILED					P.E. NUMBER	
				REVISIONS 1						
				REVISIONS 2						
				REVISIONS 3						
				REVISIONS 4						
				FIELD CHANGES					DATE	BRIDGE NO. Varies
										PIN 17929.10
										BRIDGE PLANS

Date: 12/21/2011

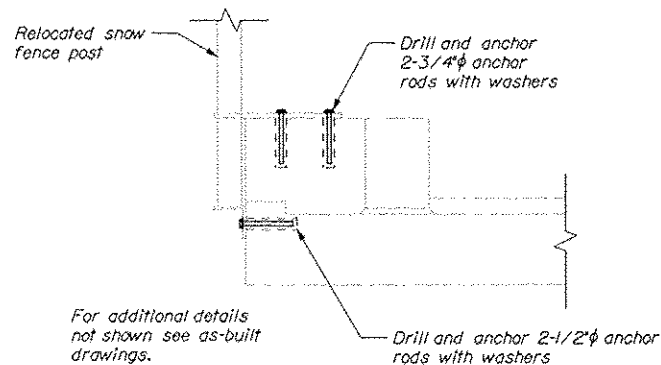
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Division: BRIDGE

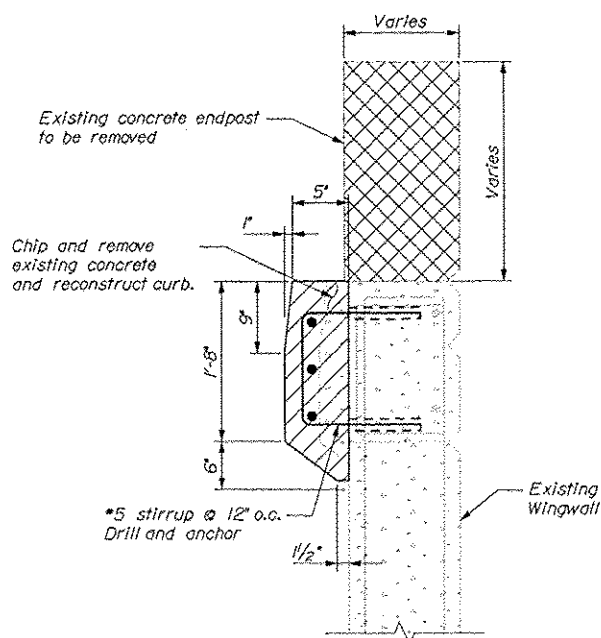
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NOTES:

1. 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.
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 repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.
4. Payment for bridge curb repair shall be considered incidental to pay item 518.391.
5. Relocate existing bridge rail post and snow fence post and modify snow fencing as required. See snow fence post relocation detail. Incidental to Item 526.34.
6. Inspect all (B) bridge rail splices, replace missing set screws and verify proper splice tube location. See Special Provision.
7. Misaligned splice tubes shall be modified as required. Coordinate work with Resident.
8. Replace all (48) bridge rail toggle bolts.
9. Contractor shall notch existing bull-nosed curb as required to recess proposed terminal curb type 2, or remove existing bull-nosed curb in its entirety and rebuild with concrete. Incidental to Item 526.34.

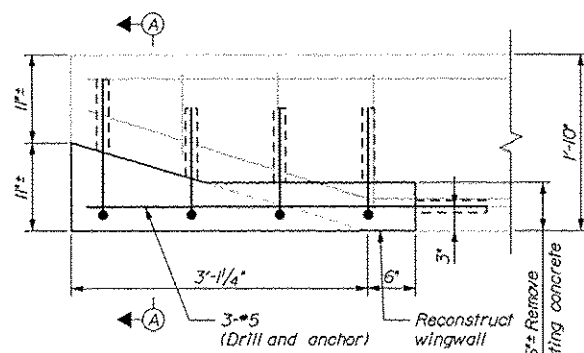


SNOW FENCE POST RELOCATION

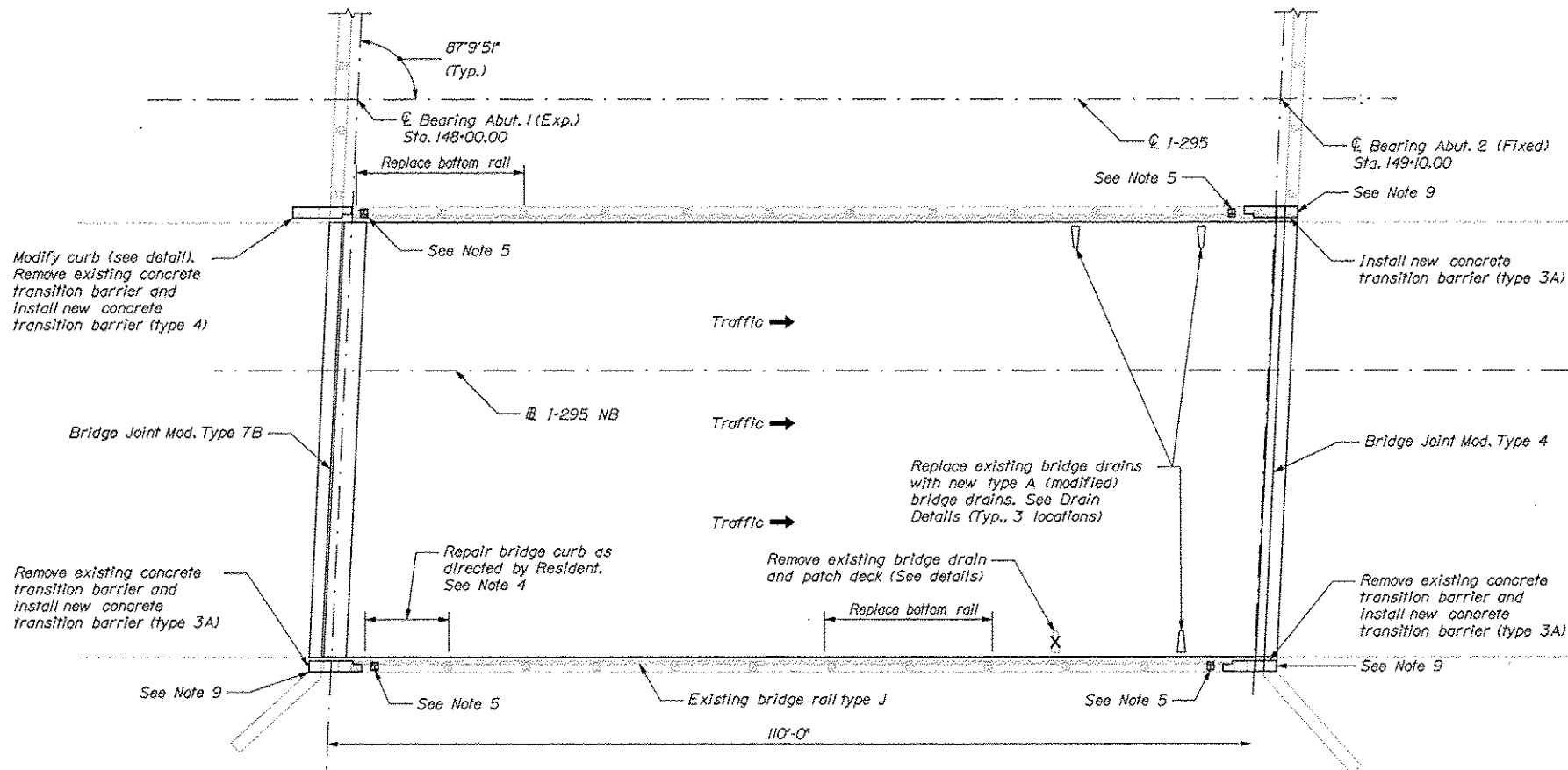


SECTION A-A

CURB MODIFICATION DETAIL

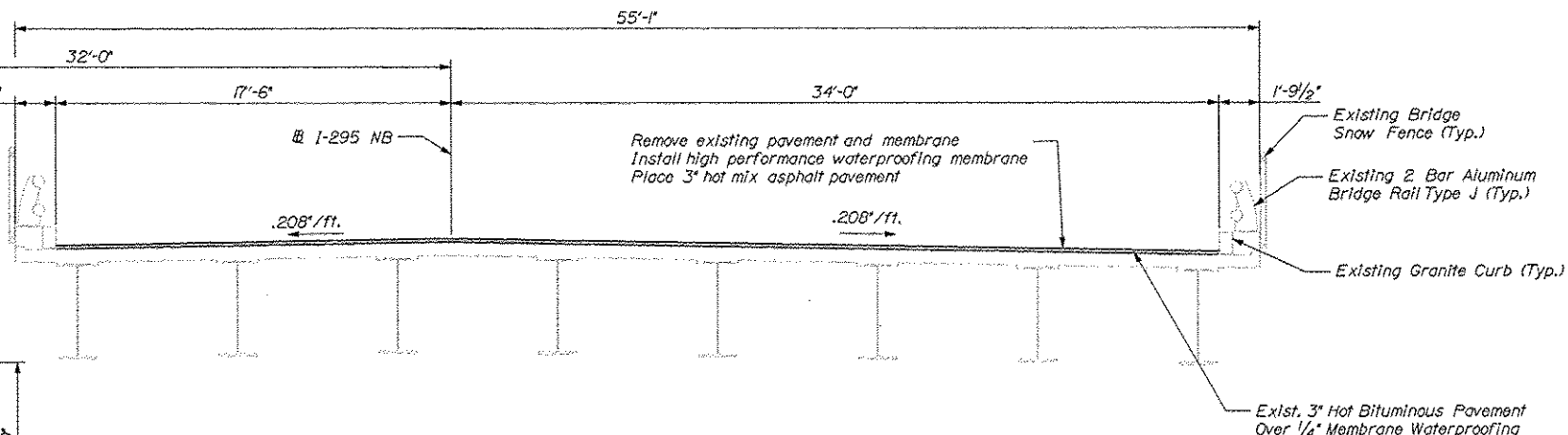


PLAN



INTERSTATE 295 NORTHBOUND OVER WESTBROOK STREET

South Portland ~ Bridge No. 6249
N.T.S.



TRANSVERSE SECTION

N.T.S.

STATE OF MAINE	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	PIN 17929.10
IM-1792(910)E	BRIDGE NO. 6249

DATE	SIGNATURE	P.E. NUMBER	DATE
ONE			
BY			
DSE			
PROJ. MANAGER			
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 NORTHBOUND	PLAN AND TRANS. SECTION
WESTBROOK STREET	
SOUTH PORTLAND CUMBERLAND COUNTY	

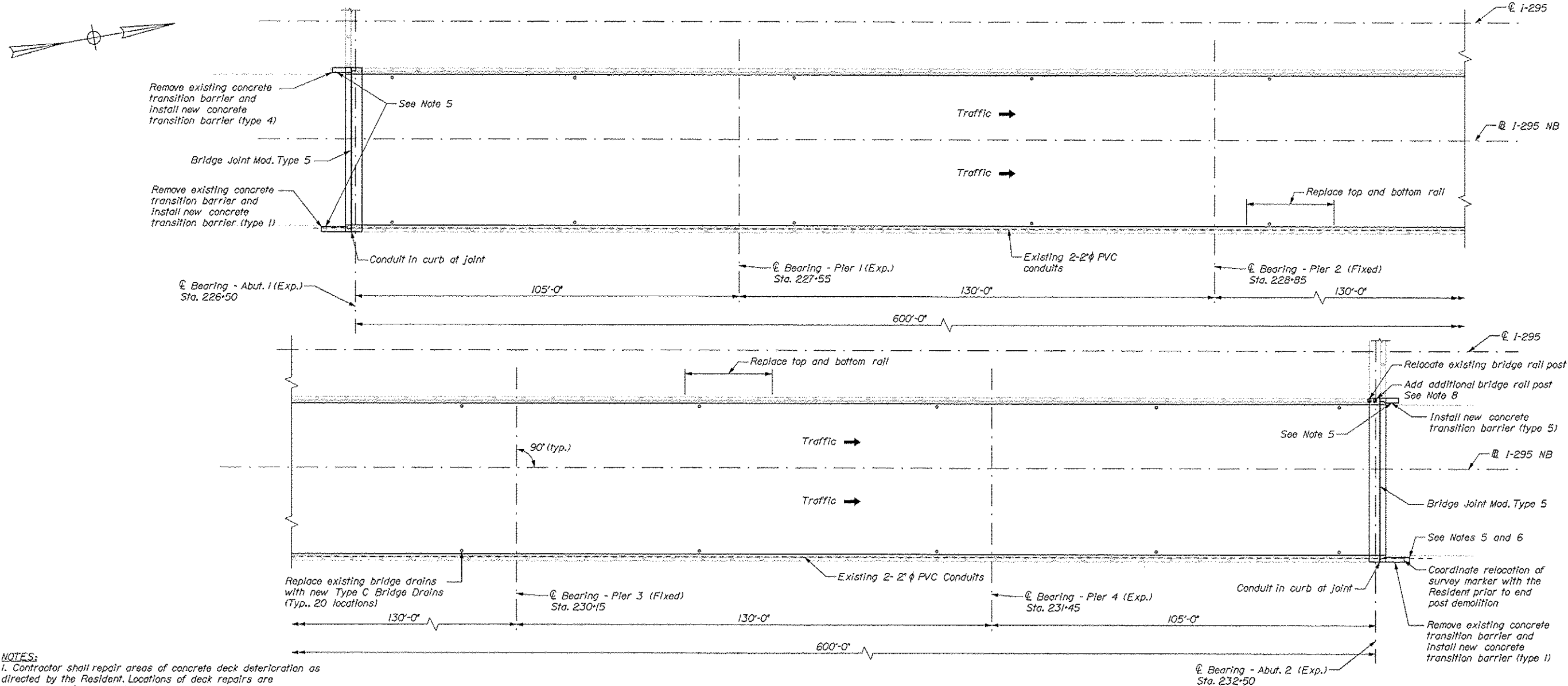
SHEET NUMBER
6
OF 111

Date: 12/21/2011

Username: bhovu

Division: BRIDGE

Filename: 007_PlanXSec-ForeRiver.dgn

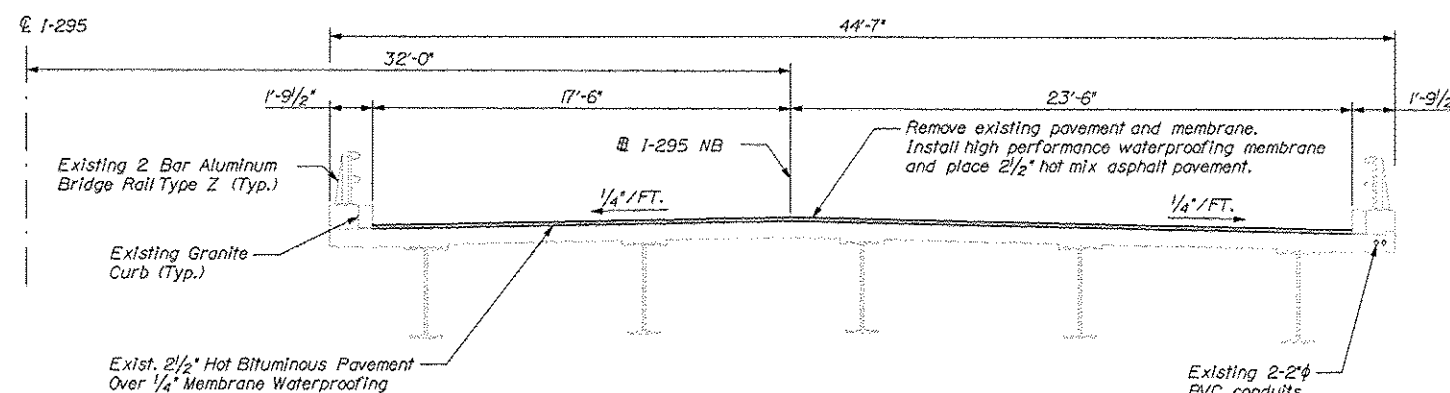


NOTES:

1. 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 SIB 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. Contractor shall repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.
4. Not all conduit details shown. See as-builts for additional information.
5. Contractor shall notch existing built-nosed curb as required to recess proposed terminal curb type 2, or remove existing built-nosed curb in its entirety and rebuild with concrete. Incidental to item 526.34.
6. Contractor shall demolish existing fill concrete adjacent to northeast wingwall surrounding first two guardrail posts. Replace with aggregate subbase course - gravel and plain riprap as directed by the Resident. Common excavation and concrete demolition shall be considered incidental to item 526.34. Aggregate subbase course - gravel and plain riprap shall be paid for under pay items 304.10 and 610.08 respectively.
7. Inspect all rail splices on bridges, replace missing set screws and verify proper splice tube locations. See Special Provision.
8. Additional bridge rail post to be equally spaced with reset rail post. Additional rail post available from Bridge No. 6292.
9. The seals furnished shall have minimum Movement Ratings(s) as follows:
Abutment No. 1 = 3.75"
Abutment No. 2 = 3.75"
10. The Resident shall approve the seals prior to fabrication of the Expansion Device.

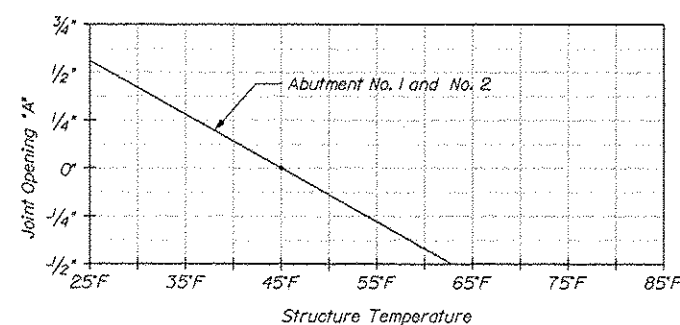
INTERSTATE 295 NORTHBOUND OVER FORE RIVER

Portland - Bridge No. 6281
N.T.S.



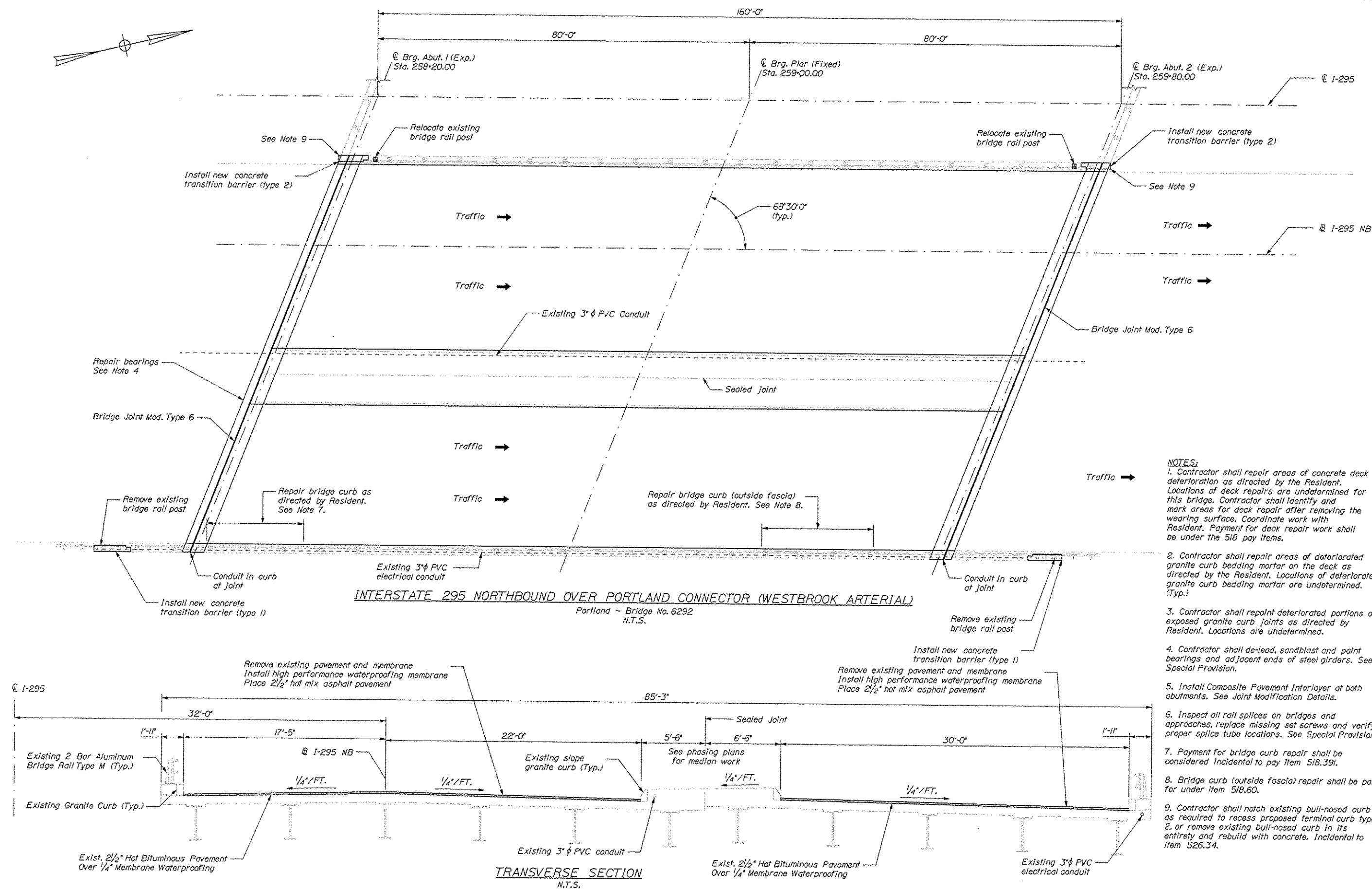
TRANSVERSE SECTION

N.T.S.



Seal Opening Adjustment Table - Fore River

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. 6281		PIN 17929.10		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND		FORE RIVER		CUMBERLAND COUNTY		PORTLAND		PLAN AND TRANS. SECTION		SHEET NUMBER	
DATE		BY		DESIGNED		CHECKED		APPROVED		DATE	
12/21/11		MPC		TRC		TRC		TRC		12/21/11	
SIGNATURE		P.E. NUMBER		DATE		REVISIONS		REVISIONS		REVISIONS	
						1		2		3	
						FIELD CHANGES					



NOTES:
1. 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.

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

4. Contractor shall de-lead, sandblast and paint bearings and adjacent ends of steel girders. See Special Provision.

5. Install Composite Pavement Interlayer at both abutments. See Joint Modification Details.

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

7. Payment for bridge curb repair shall be considered incidental to pay item 518.391.

8. Bridge curb (outside fascia) repair shall be paid for under Item 518.60.

9. Contractor shall notch existing bull-nosed curb as required to recess proposed terminal curb type 2, or remove existing bull-nosed curb in its entirety and rebuild with concrete. Incidental to item 526.34.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
IM-1792(910)E
PIN

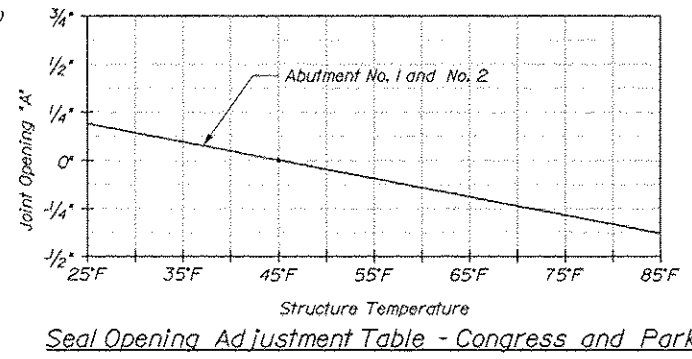
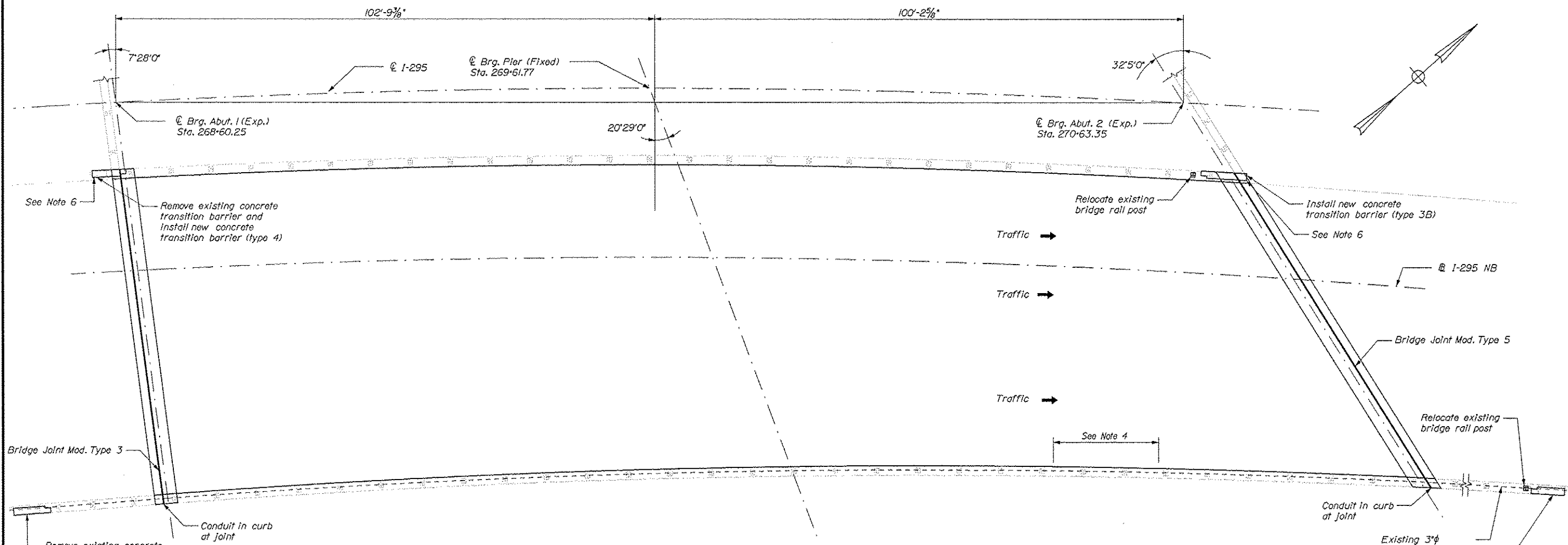
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	DESIGN DETAIL	REVISED	REVISED	
P.E. NUMBER	DATE	BY	DATE	SIGNATURE
	DESIGN DETAIL	REVISED	REVISED	
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	DESIGN DETAIL	REVISED	REVISED	
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DATE	DATE	BY	DATE	SIGNATURE
	DESIGN DETAIL	REVISED	REVISED	
	DESIGN DETAIL	REVISED	REVISED	
	DESIGN DETAIL	REVISED	REVISED	
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INTERSTATE 295 NORTHBOUND
PORTLAND CONNECTOR
PORTLAND CUMBERLAND COUNTY
PLAN AND TRANS. SECTION

Date: 12/21/2011

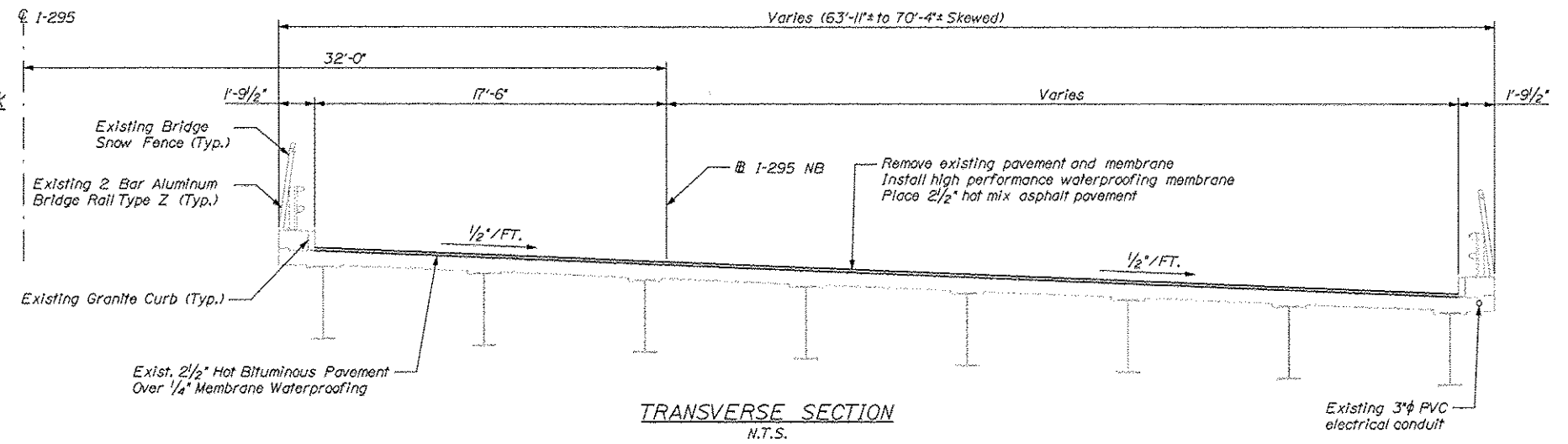
Username: bhavu

Filename: 010_PlanSec-CongressStreet-ParkAvenue.dwg



- NOTES:**
1. 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 51B 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. Contractor shall repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.
 4. Contractor shall modify existing bridge mounted sign connections as directed by the Resident. See Special Details (Miscellaneous Bridge Details Sheet) for Sign Support Modification Detail. Payment under time and materials.
 5. Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provision.
 6. Contractor shall notch existing bull-nosed curb as required to recess proposed terminal curb type 2, or remove existing bull-nosed curb in its entirety and rebuild with concrete. Incidental to item 526.34.
 7. The seals furnished shall have minimum Movement Ratings(s) as follows:
Abutment No. 1 = 1.26"
Abutment No. 2 = 1.26"
 8. The Resident shall approve the seals prior to fabrication of the Expansion Device.

INTERSTATE 295 NORTHBOUND OVER CONGRESS STREET & PARK AVENUE
Portland ~ Bridge No. 6294
N.T.S.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
IM-1792(910)E
BRIDGE NO. 6294
PIN 17929.10
BRIDGE PLANS

DATE	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
12/21/11	MFC	IRC	12/21/11			
12/21/11	FWH	DOE	12/21/11			
12/21/11	DOE	DOE	12/21/11			
12/21/11	DOE	DOE	12/21/11			
12/21/11	DOE	DOE	12/21/11			
12/21/11	DOE	DOE	12/21/11			
12/21/11	DOE	DOE	12/21/11			
12/21/11	DOE	DOE	12/21/11			
12/21/11	DOE	DOE	12/21/11			

INTERSTATE 295 NORTHBOUND
CONGRESS STREET & PARK AVENUE
PORTLAND CUMBERLAND COUNTY
PLAN AND TRANS. SECTION

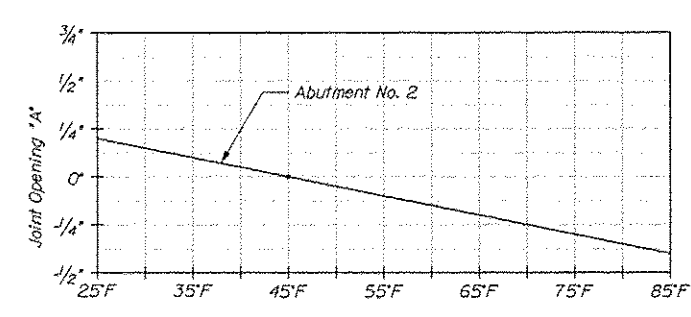
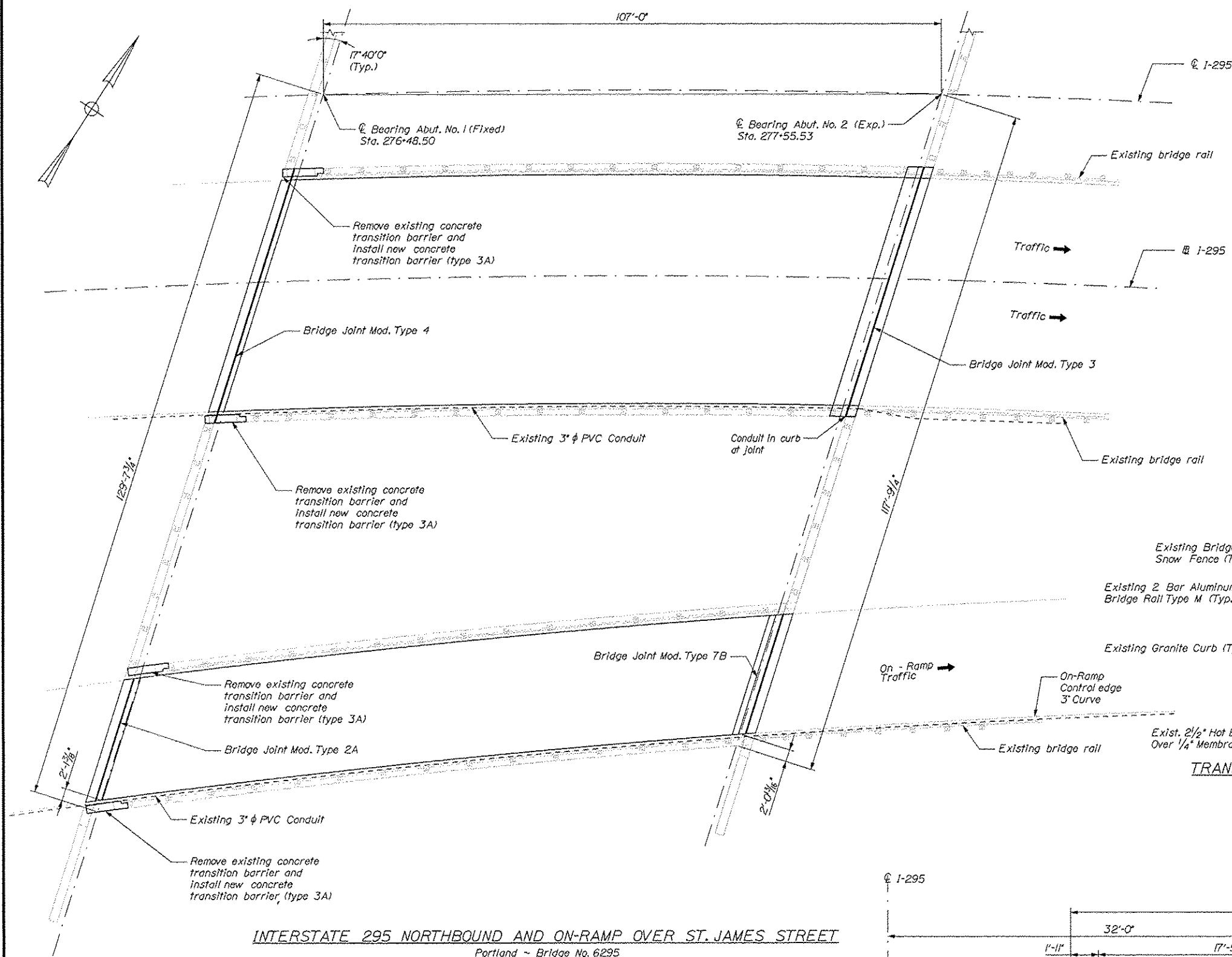
SHEET NUMBER
10
OF 111

Date: 12/21/2011

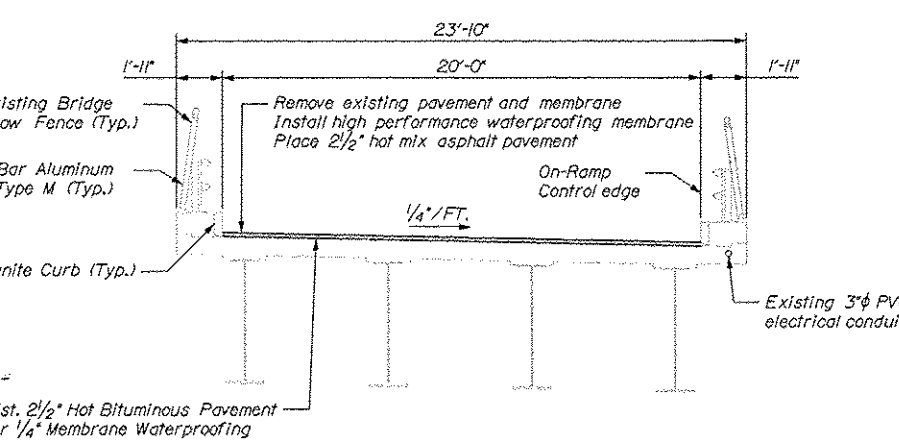
Username: bhavu

Division: BRIDGE

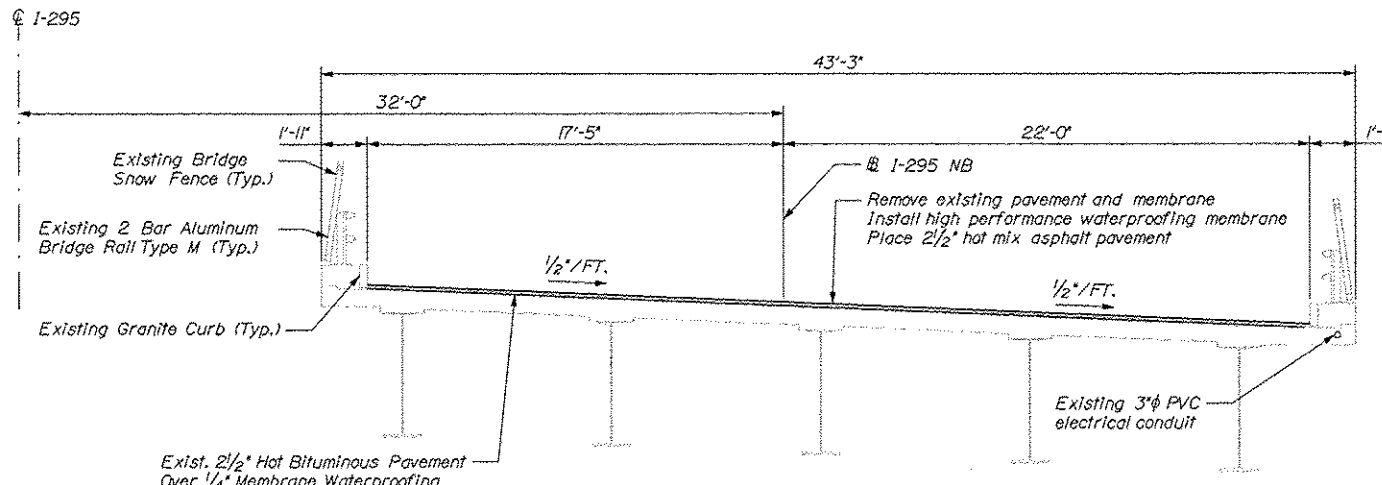
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Seal Opening Adjustment Table - St. James Street



TRANSVERSE SECTION - I-295 NORTHBOUND ON RAMP
N.T.S.



TRANSVERSE SECTION - I-295 NORTHBOUND
N.T.S.

- NOTES:
1. 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.
 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 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.
 5. Contractor shall notch existing bull-nosed curb as required to recess proposed terminal curb type 2, or remove existing bull-nosed curb in its entirety and rebuild with concrete. Incidental to Item 526.34.
 6. The seals furnished shall have minimum Movement Ratings(s) as follows:
Abutment No. 2, Mainline = 1.34"
Abutment No. 1, On-Ramp = 0"
 7. The Resident shall approve the seals prior to fabrication of the Expansion Device.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		BRIDGE PLANS	
		IM-1792(910)E		PIN 17929.10	
		BRIDGE NO. 6295			
INTERSTATE 295 NORTHBOUND & ON-RAMP		ST. JAMES STREET		CUMBERLAND COUNTY	
PORTLAND		PLAN AND TRANS. SECTION		SHEET NUMBER	
				11	
				OF 111	

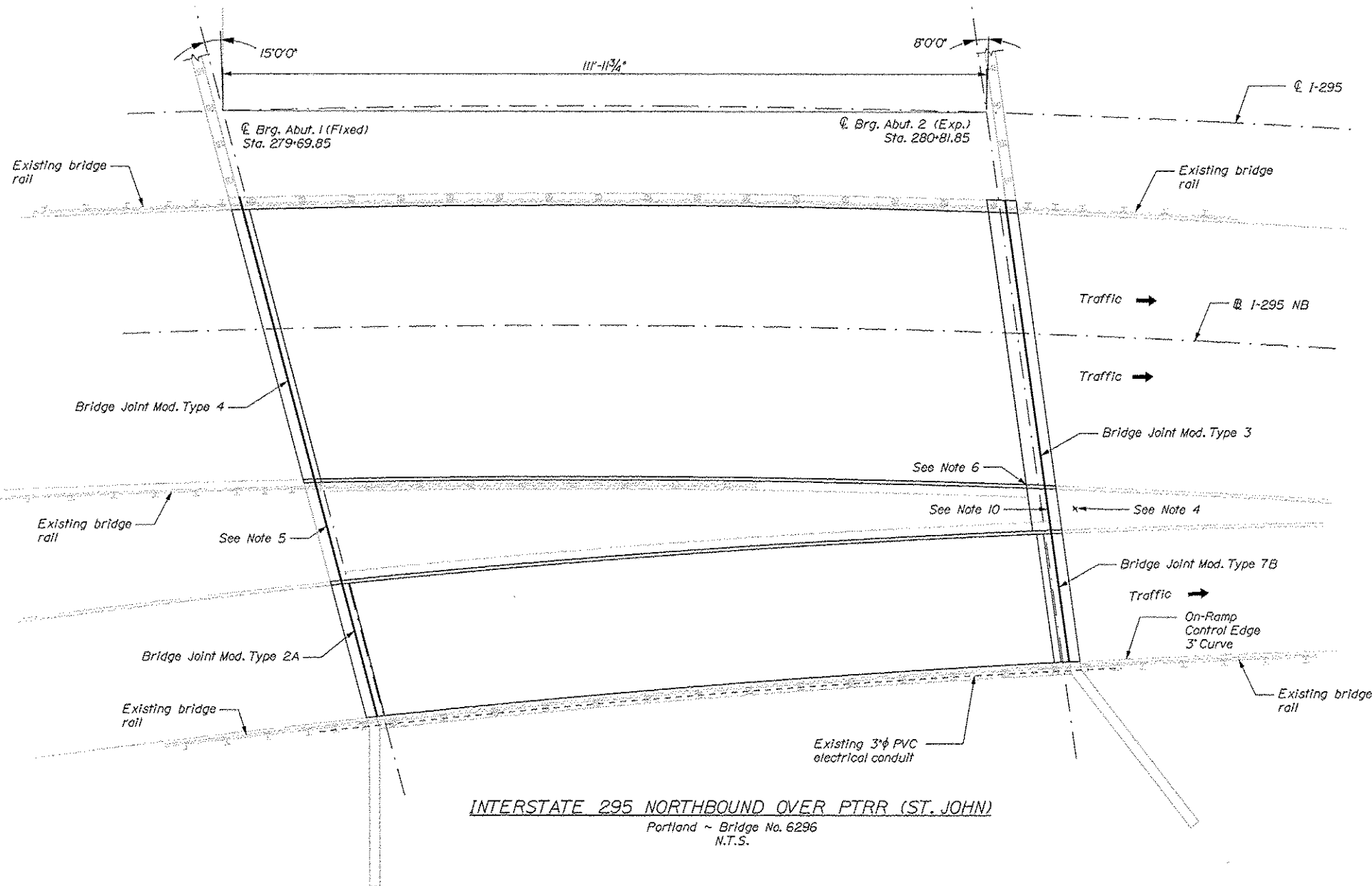
Date: 12/21/2011

Username: bhavu

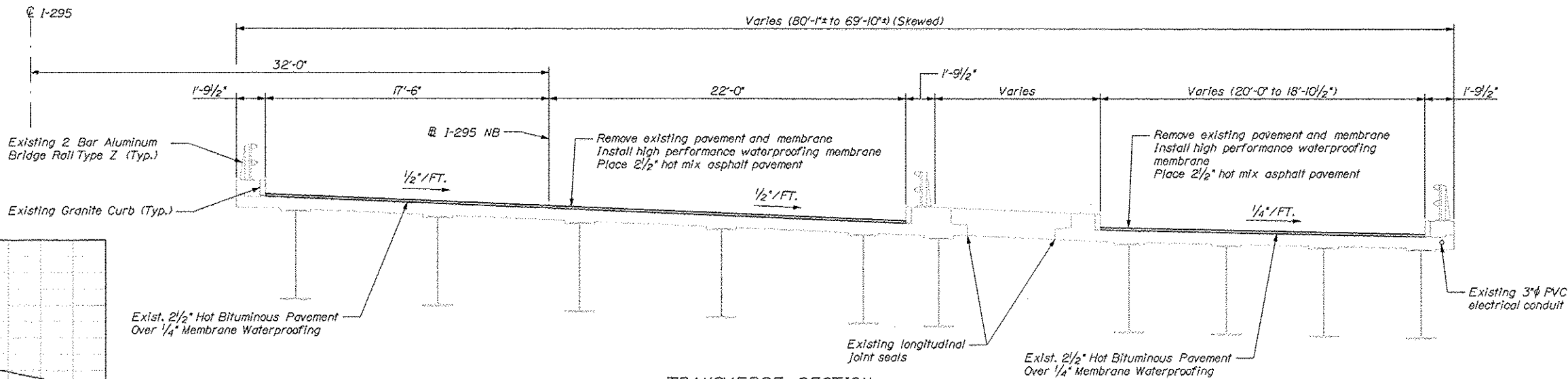
Division: BRIDGE

Filename: 012_PlanSec-PTRR-StJohn.dgn

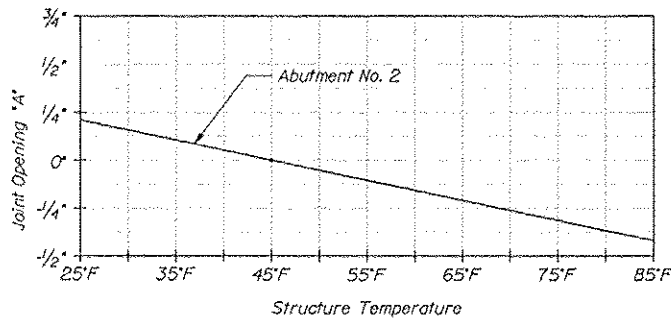
- NOTES:**
1. Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Locations of deck repairs are undetermined for this bridge. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items.
 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 repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.
 4. Coordinate relocation of survey marker with the Resident prior to the deck and joint work.
 5. Remove compression seal, prepare opening and install backer rod and non-sag silicone sealant per asphaltic plug joint (APJ) specification. Work shall be incidental to adjacent APJ.
 6. Sections of the median curb/backwall removed to install the Type 3 joint shall be replaced and sealed to the satisfaction of the Resident. Work shall be incidental to the Type 3 joint.
 7. Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provision.
 8. The seals furnished shall have minimum Movement Ratings(s) as follows:
Abutment No. 2, Mainline = 1.40"
Abutment No. 1, On-Ramp = 0"
 9. The Resident shall approve the seals prior to fabrication of the Expansion Device.
 10. Contractor shall modify North Abutment median joint in accordance with the median joint details as shown on the special details (Miscellaneous Bridge Details). Payment for work shall be considered incidental to the Type 3 Joint Modification.



INTERSTATE 295 NORTHBOUND OVER PRR (ST. JOHN)
Portland ~ Bridge No. 6296
N.T.S.



TRANSVERSE SECTION
N.T.S.



Seal Opening Adjustment Table - PRR (St. John)

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	BRIDGE PLANS	
	PIN	17929.10
	BRIDGE NO. 6296	

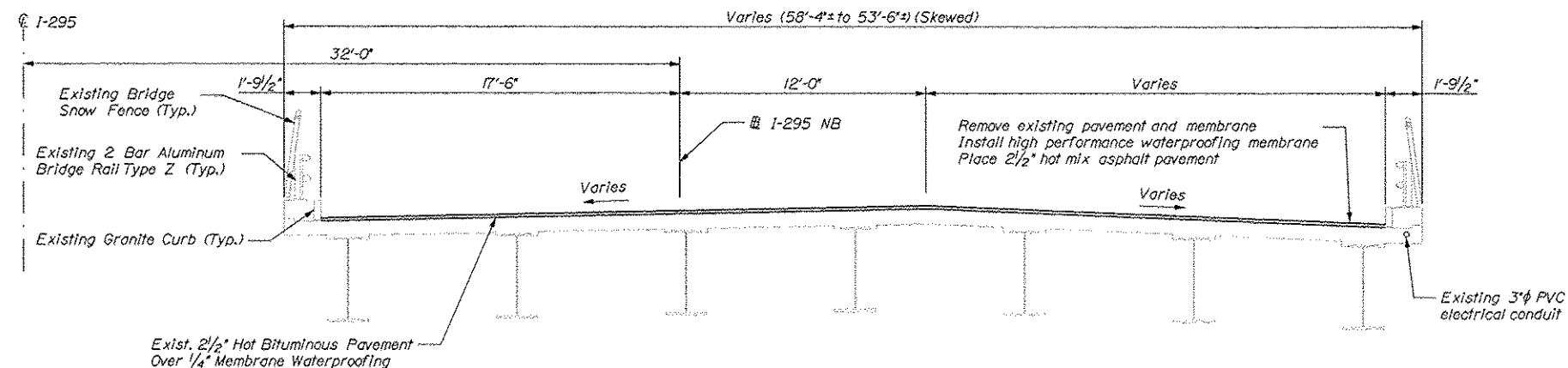
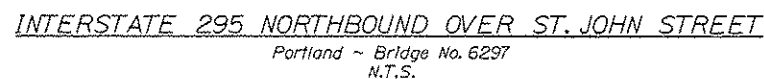
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12/21/11	TRC	TRC										

INTERSTATE 295 NORTHBOUND PTRR (ST. JOHN)		CUMBERLAND COUNTY	PLAN AND TRANS. SECTION
PORTLAND			

SHEET NUMBER
12
OF 111

Filename: 013_PionXsec-StJohn.dgn

7. The Resident shall approve the seals prior to fabrication of the Expansion Device.



TRANSVERSE SECTION
N.T.S.

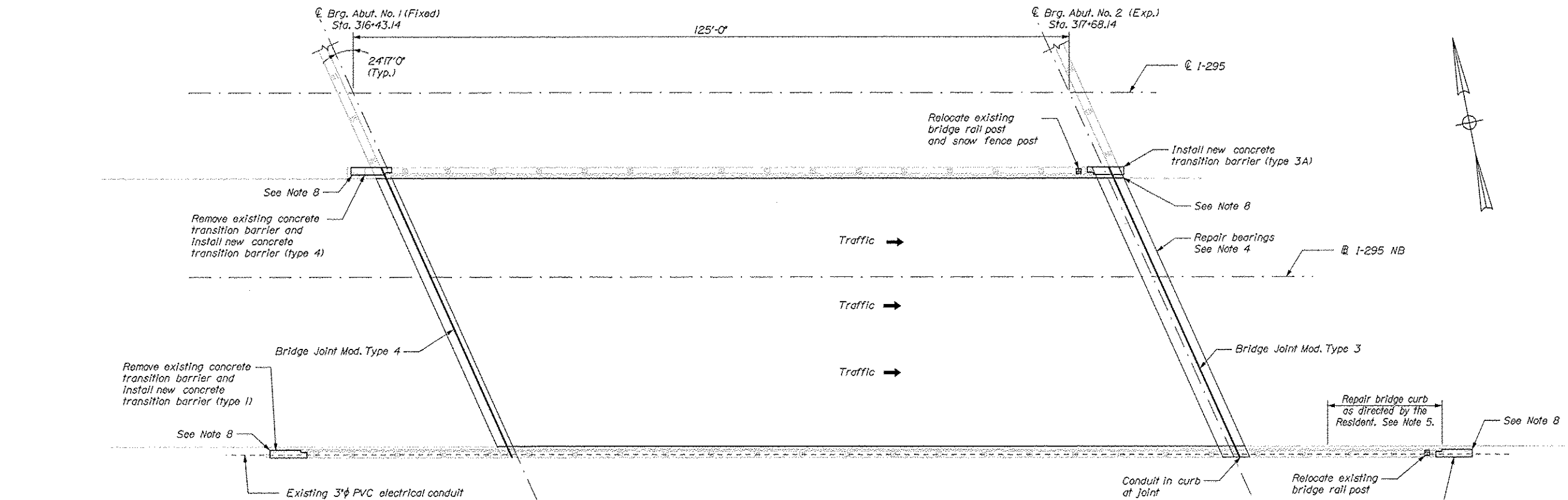
SHEET NUMBER
13
OF 111

Date: 12/21/2011

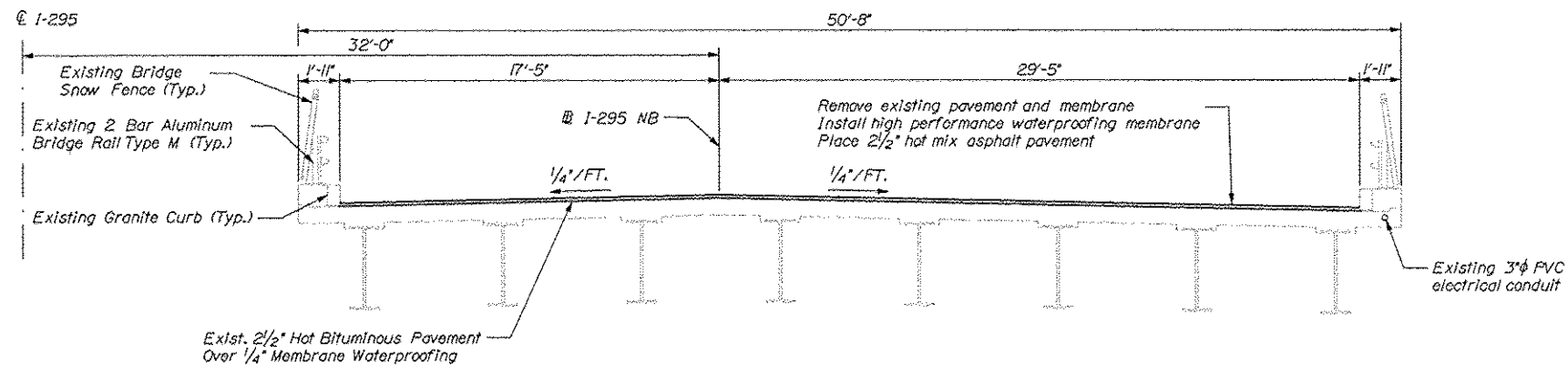
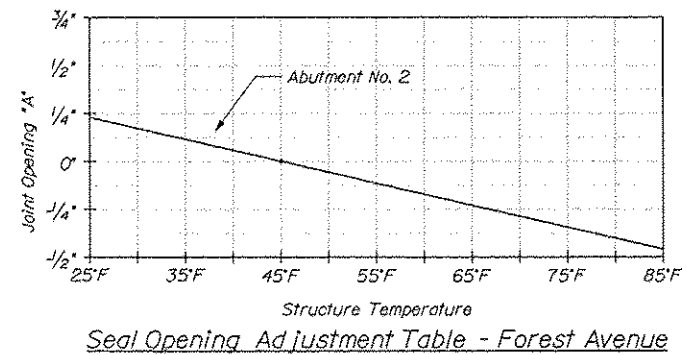
Username: bhavu

Division: BRIDGE

Filename: 014_PlanSec-Forest Ave.dgn



INTERSTATE 295 NORTHBOUND OVER FOREST AVENUE
Portland ~ Bridge No. 6298
N.T.S.



TRANSVERSE SECTION
N.T.S.

- NOTES:**
1. 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.
 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 repoint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.
 4. Contractor shall de-lead, sandblast and paint bearings and adjacent ends of steel girders. See Special Provision.
 5. Payment for bridge curb repair shall be considered incidental to pay item 518.391.
 6. Relocation of snow fence post and modification of snow fencing shall be incidental to item 526.34.
 7. Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provision.
 8. Contractor shall notch existing bull-nosed curb as required to recess proposed terminal curb type 2, or remove existing bull-nosed curb in its entirety and rebuild with concrete. Incidental to item 526.34.
 9. The seals furnished shall have minimum Movement Rating(s) as follows:
Abutment No. 2 =1.56"
 10. The Resident shall approve the seals prior to fabrication of the Expansion Device.

DATE	BY	DOE	DATE	BY	DOE	DATE	BY	DOE

DATE	BY	DOE	DATE	BY	DOE	DATE	BY	DOE

Date: 12/21/2011

Username: bhavu

Division: BRIDGE

Filename: 015_PlanXsec-Preble.dgn

NOTES:

1. 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.

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

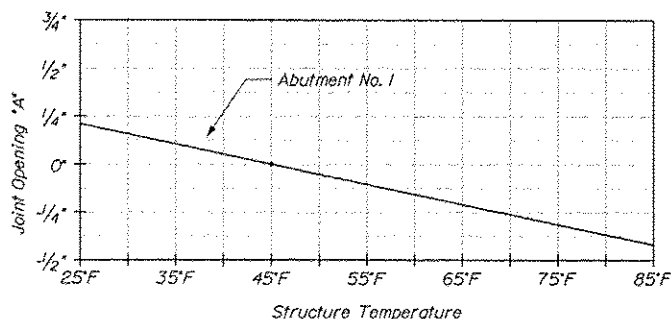
4. Payment for bridge curb repair shall be considered incidental to pay item 518.391.

5. Contractor shall notch existing bull-nosed curb as required to recess proposed terminal curb type 2, or remove existing bull-nosed curb in its entirety and rebuild with concrete. Incidental to Item 526.34.

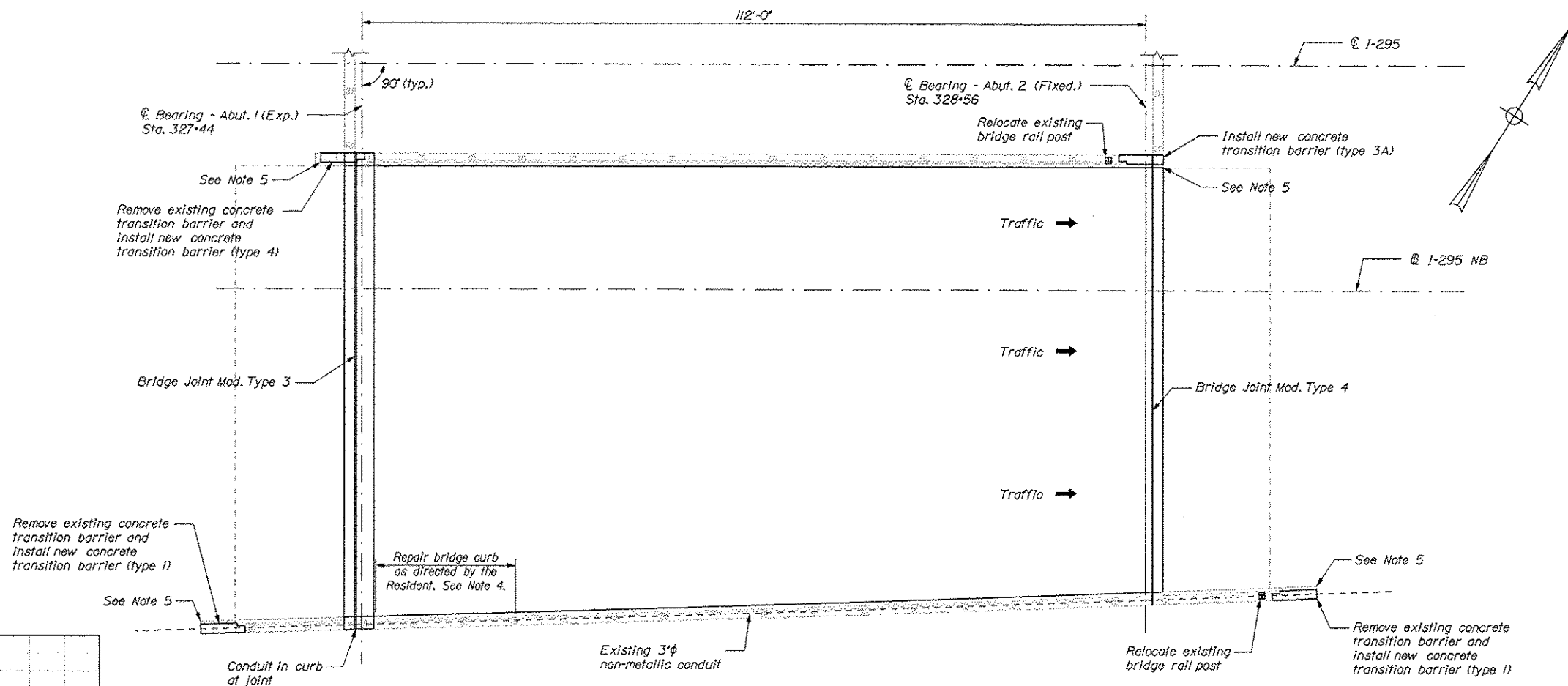
6. Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provision.

7. The seals furnished shall have minimum Movement Ratings(s) as follows:
Abutment No. 1 = 1.40"

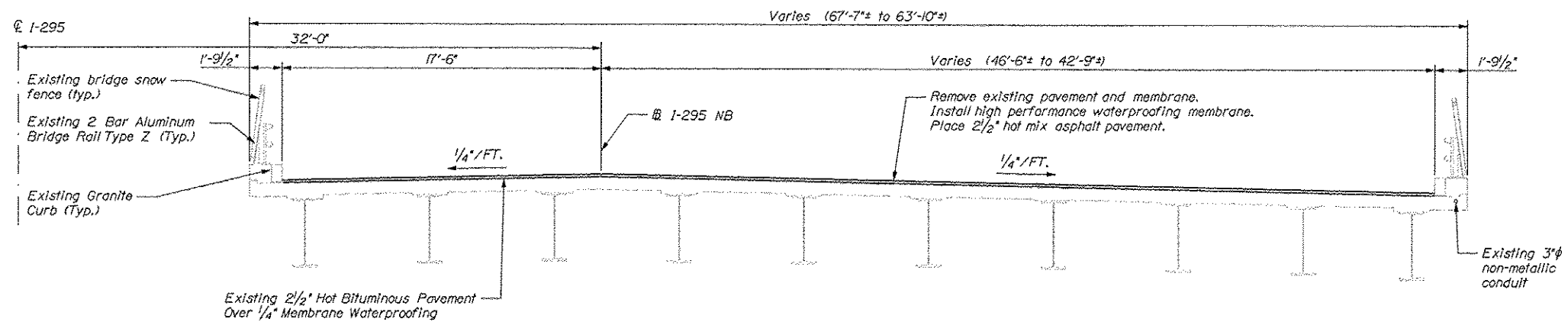
8. The Resident shall approve the seals prior to fabrication of the Expansion Device.



Seal Opening Adjustment Table - Preble Street



INTERSTATE 295 NORTHBOUND OVER PREBLE STREET
Portland ~ Bridge No. 6299
N.T.S.



TRANSVERSE SECTION
N.T.S.

DATE	BY	DOE	PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	SIGNATURE	P.E. NUMBER	DATE
12/11	TRC					12/11			
12/11						12/11			
12/11						12/11			
12/11						12/11			
12/11						12/11			
12/11						12/11			
12/11						12/11			
12/11						12/11			
12/11						12/11			

1. 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.

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

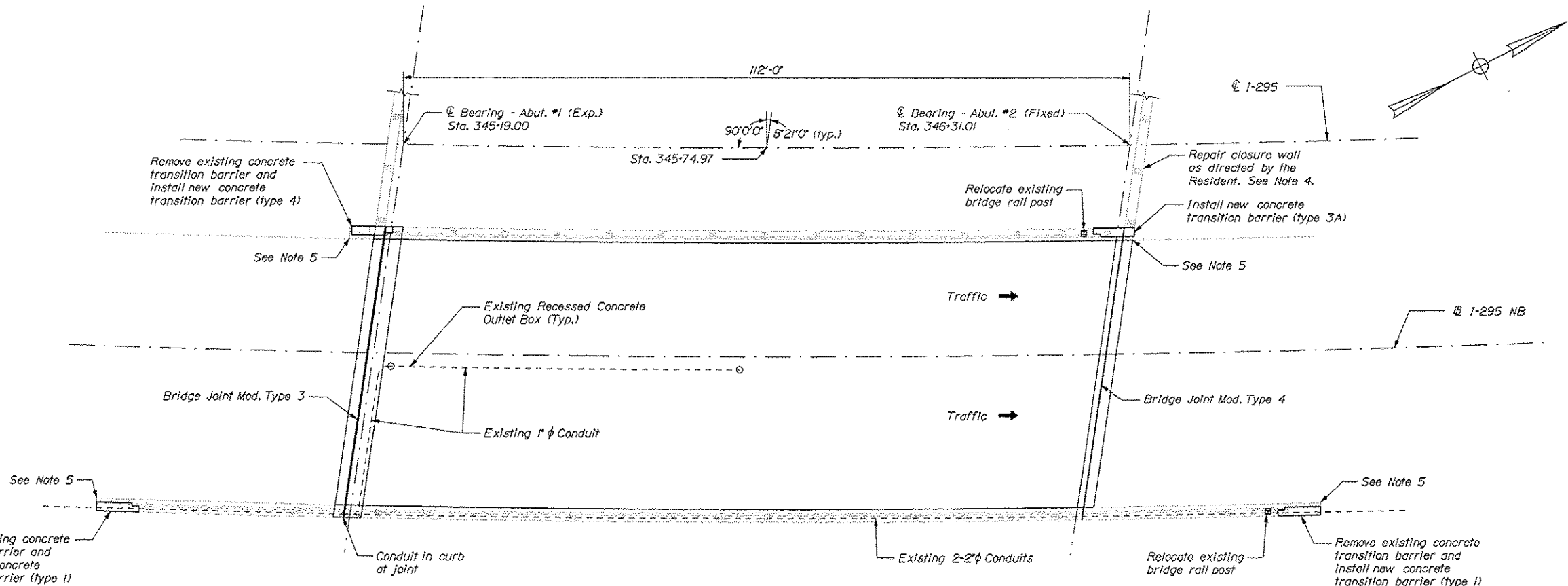
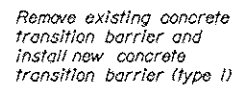
4. Payment for closure wall repair shall be considered incidental to pay item 518.50.

5. Contractor shall notch existing bull-nosed curb as required to recess proposed terminal curb type 2, or remove existing bull-nosed curb in its entirety and rebuild with concrete. Incidental to item 526.34.

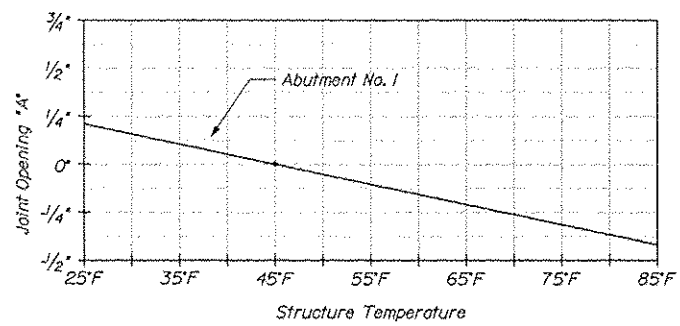
6. Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provision.

7. The seals furnished shall have minimum Movement Ratings(s) as follows:
Abutment No. 1 = 1.40"

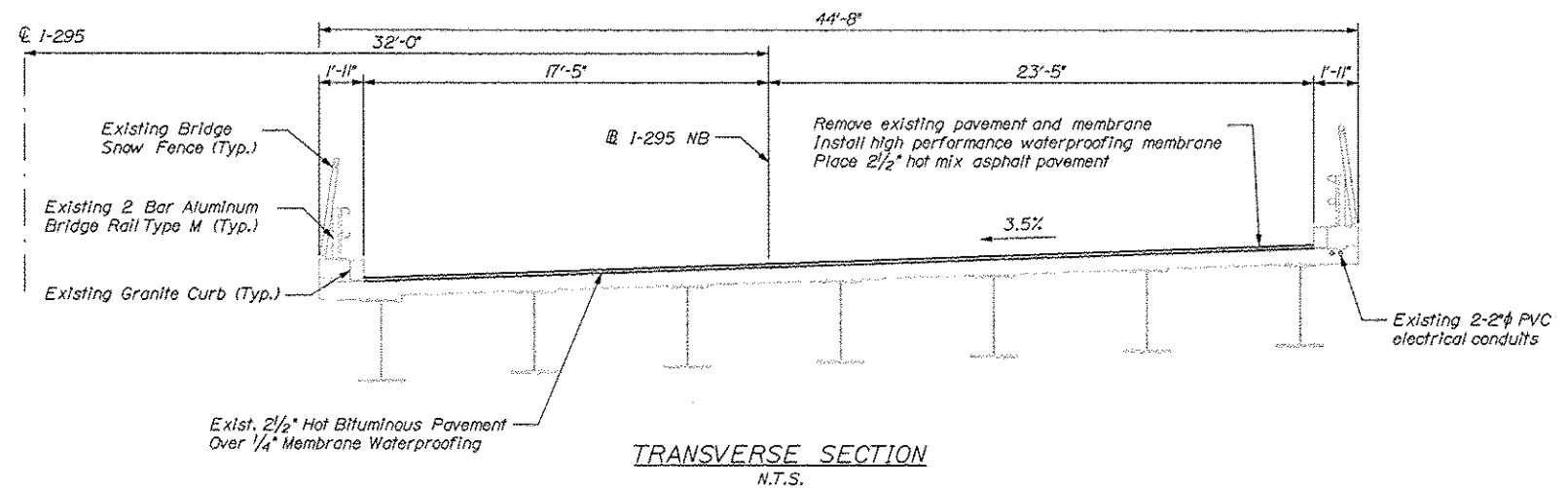
8. The Resident shall approve the seals prior to fabrication of the Expansion Device.



Portland ~ Bridge No. 6300
N.T.S.



Seal Opening Adjustment Table - Franklin Arterial



STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

IM-1792(910)E

BRIDGE NO 6300

PIN

17929.10

BRIDGE PLANS

PROJ. MANAGER				DOE	BY	DATE
DESIGN-RELATED	FROM	APC			12/11	SIGNATURE
DESIGN-RELATED	DOE	REC			12/11	
DESIGN-RELATED						
DESIGN-RELATED						P.E. NUMBER
DESIGN-RELATED						
DESIGN-RELATED						
REVISIONS 1						DATE
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

INTERSTATE 295 NORTHBOUND
FRANKLIN ARTERIAL
PORTLAND CUMBERLAND COUNTY
PLAN AND TRANS. SECTION

SHEET NUMBER

16

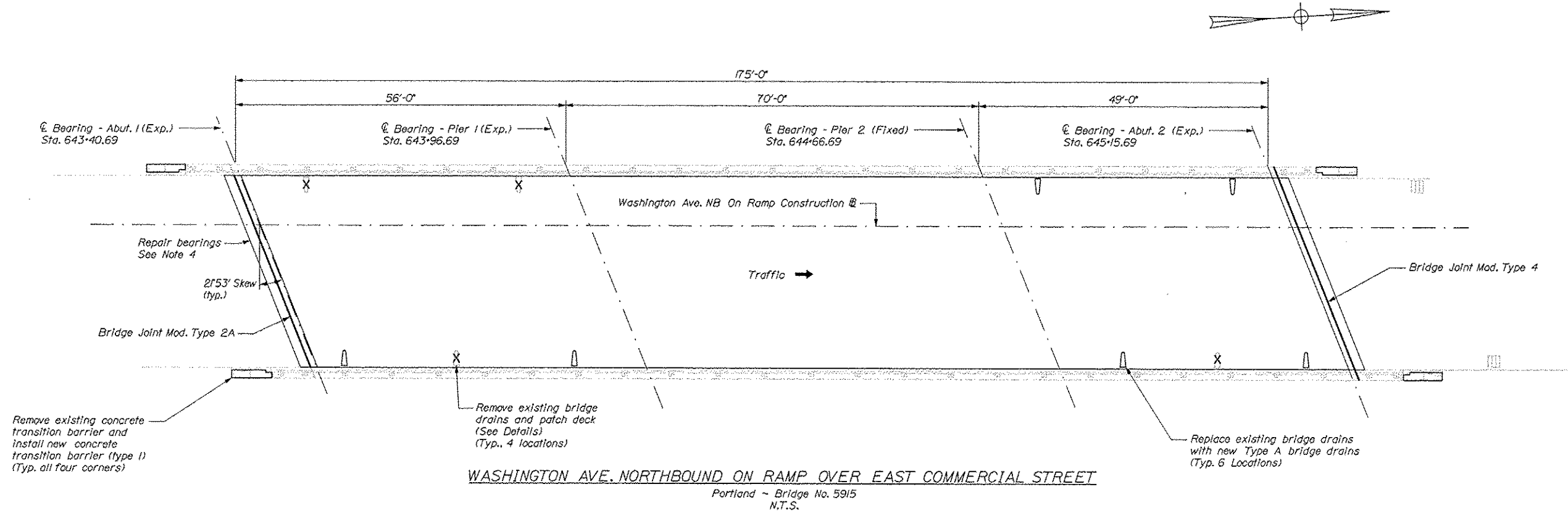
OF 111

Date: 12/21/2011

Username: bhawu

Division: BRIDGE

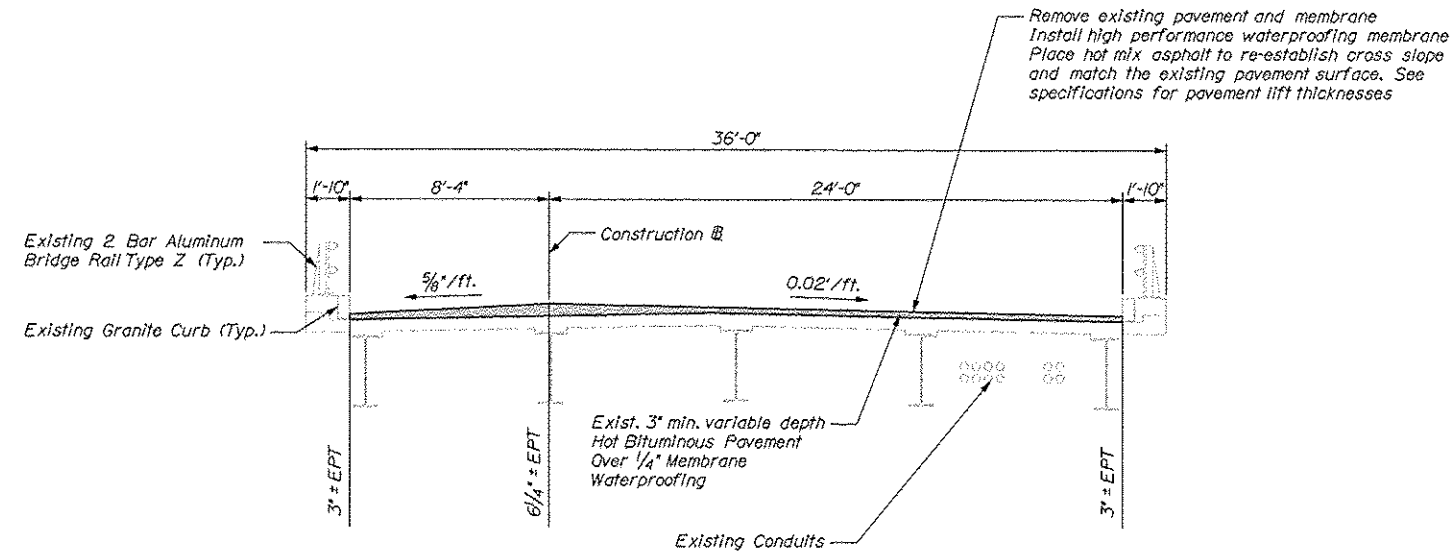
Filename: 017_PlantSec-WashAveNBOnRamp.dgn



WASHINGTON AVE. NORTHBOUND ON RAMP OVER EAST COMMERCIAL STREET
Portland ~ Bridge No. 5915
N.T.S.

NOTES:

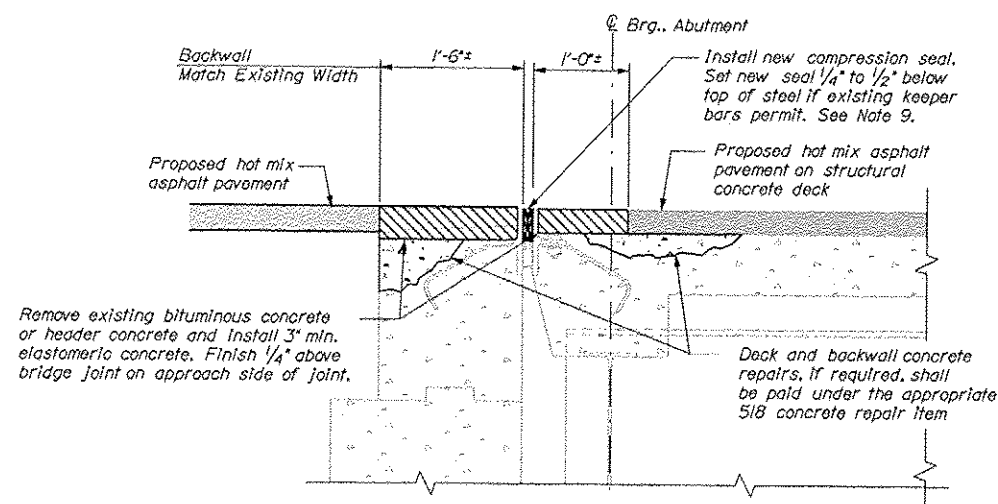
1. Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Locations of deck repairs are undetermined for this bridge. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items.
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 repaint deteriorated portions of exposed granite curb joints as directed by Resident. Locations are undetermined.
4. Contractor shall de-lead, sandblast and paint bearings and adjacent ends of steel girders. See Special Provision.
5. Inspect all rail splices on bridges and approaches, replace missing set screws and verify proper splice tube locations. See Special Provision.
6. The seals furnished shall have minimum Movement Ratings(s) as follows:
Abutment No. 1 = 1.58"
7. The Resident shall approve the seals prior to fabrication of the Expansion Device.



EPT = Existing Pavement Thickness
(From As-Builts)

TRANSVERSE SECTION
N.T.S.

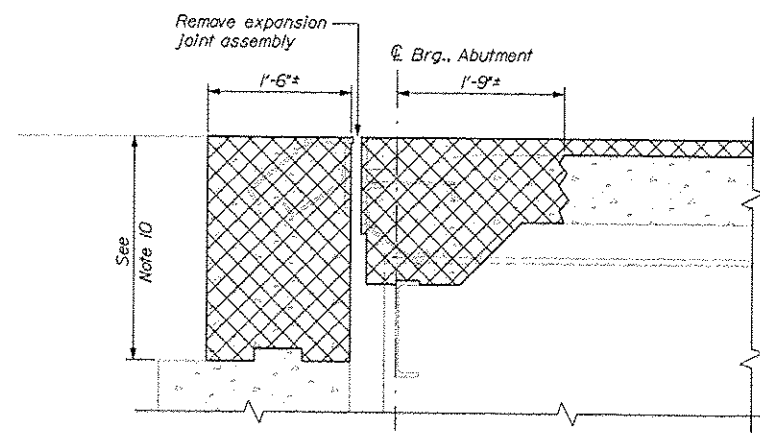
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17 OF 111				PLAN AND TRANS. SECTION				DESIGN-DETAILED		CHECKED-REVIEWED		DATE		BY		DATE		BY		DATE		SIGNATURE	
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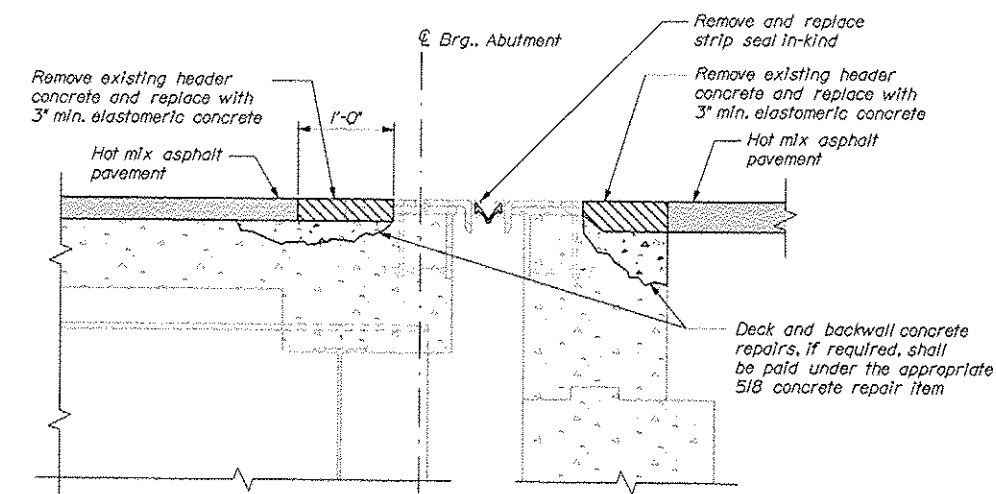
BRIDGE JOINT MODIFICATION TYPE 2A

$$I^R = I - Q$$

Limits of joint modification:
Compression seal - full deck width and completely through
raised curbs plus six inch extensions per side;
Elastomeric concrete - full deck width to face of raised curb.



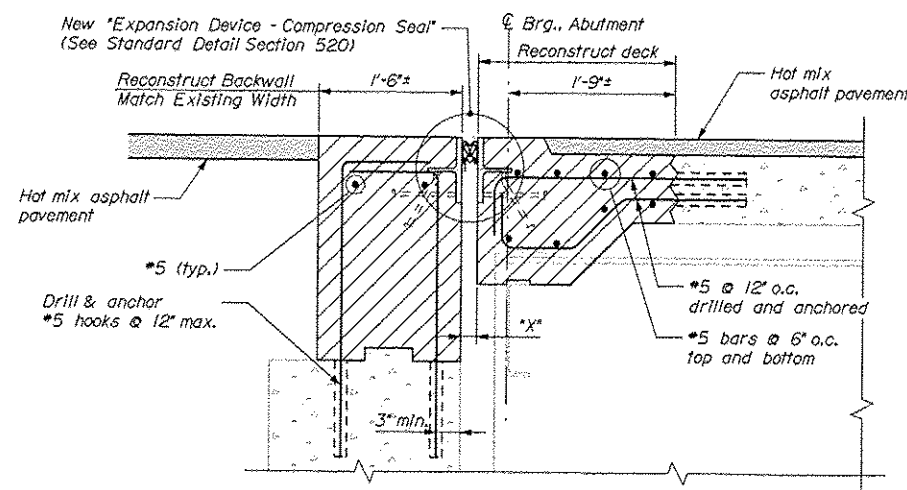
DEMOLITION



BRIDGE JOINT MODIFICATION TYPE 7A

$$I^2 = I' - O^F$$

Limits of joint modification:
Gland seal - full deck width and partially through
raised curbs (match limits of existing seal and extrusion;
Elastomeric concrete - full deck width to face of raised curbs.

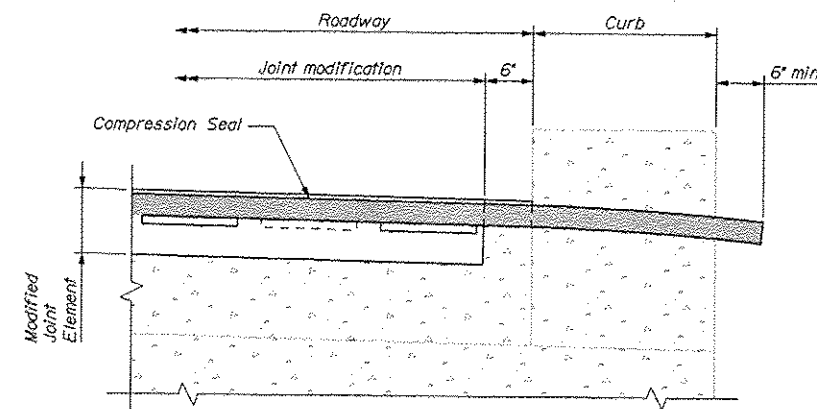


CONSTRUCTION

JOINT MODIFICATION TYPE 3

(See also Reconstructed Curb & Overhang Detail, Joint Modification Details III Sheet)

Limits of joint modification:
Compression seal - full deck width and completely through
raised curbs plus six inch extensions per side;
New joint armor and structural concrete - full deck width, out to out,

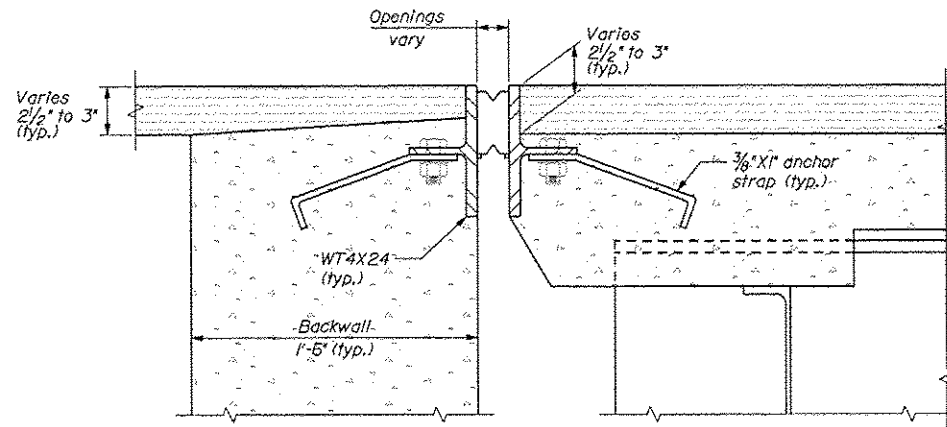


COMPRESSION SEAL JOINT DETAIL AT CURB

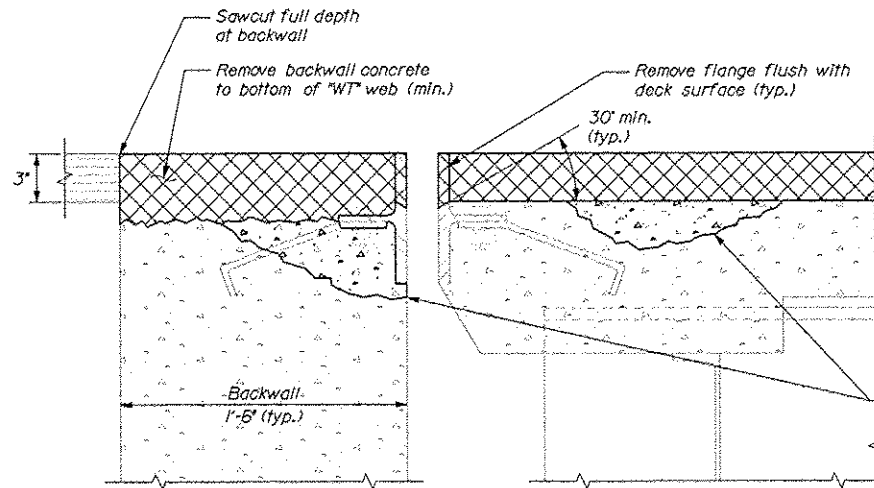
- NOTES

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 the bridge joint modification shall be galvanized.
5. The Contractor shall be fully responsible for selecting the appropriate seal based on the 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 welding distortion.
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.
10. Minimum depth of backwall reconstruction shall be to backwall construction joint or solid concrete, whichever is greater.

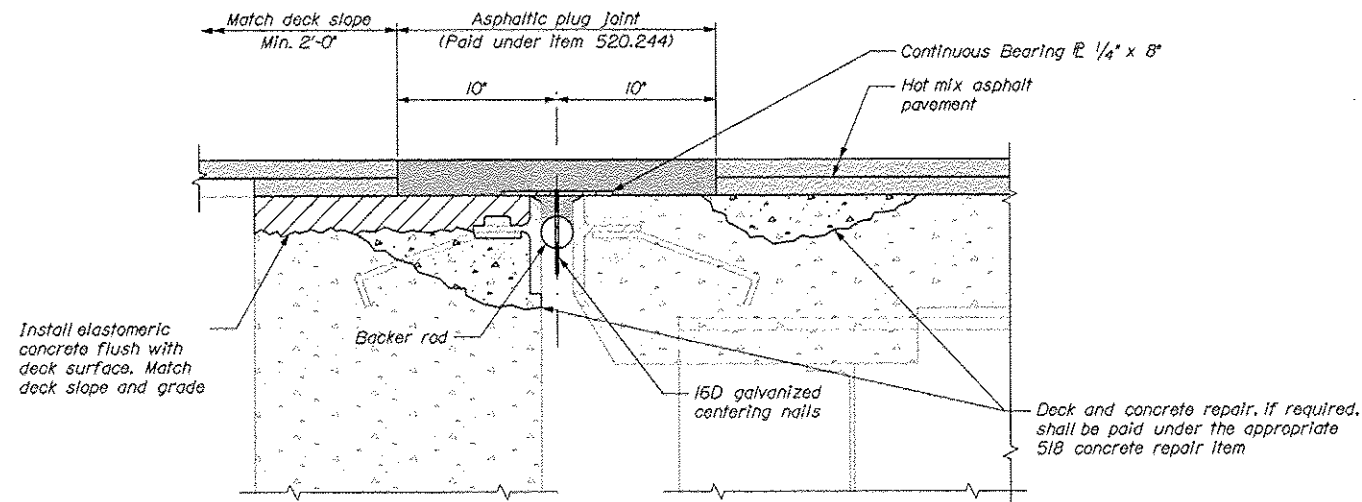
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EXISTING COMPRESSION SEAL JOINT



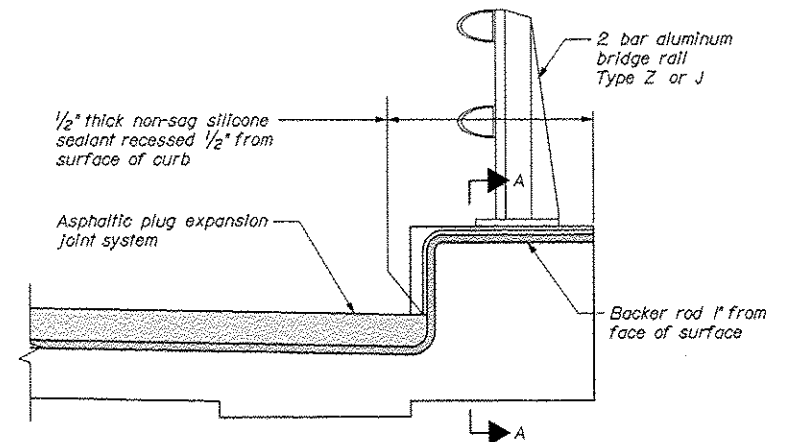
DEMOLITION



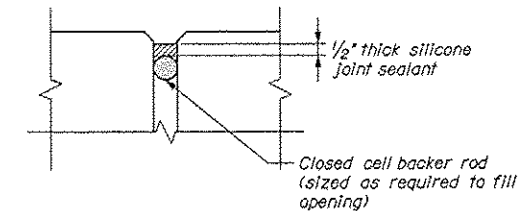
JOINT MODIFICATION TYPE 4

Limits of joint modification:
Asphaltic plug joint, elastomeric concrete and joint armor
modification - full deck width to face of raised curbs;
Elastomeric sealant with backer rod and preparation of existing
curb joint armor and structural concrete - full width of raised curbs.

Note:
Total new pavement thickness to
match existing pavement thickness.



JOINT TREATMENT AT BRIDGE CURB



SECTION A-A

LEGEND

Approximate limit of concrete and
reinforcing steel removal

NOTES:

- Deck and backwall reinforcing not shown for clarity.
- 16D galvanized centering nails shall be spaced at 12" o.c. maximum and placed 2" from joints in the bearing plate.
- The bearing plate shall be galvanized steel 1/4" thick and 8" wide.
- Asphaltic plug joint materials shall meet the requirements of the project specifications and shall be installed per manufacturer's specifications.
- Asphaltic plug joints shall be installed after the second lift of pavement is installed.
- All concrete surfaces where elastomeric concrete is to be applied shall have a 1/4-in. minimum anchor profile or roughened surface.
- Elastomeric concrete shall be installed according to the manufacturer's recommendations.
- Both backwall and deck flange steel to be cut at same elevation.

STATE OF MAINE	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	PIN 17928.10
IM-1792(910)E	BRIDGE NO. Varies

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REVISIONS 4	DATE	DATE	DATE	DATE	DATE	DATE
FIELD CHANGES	DATE	DATE	DATE	DATE	DATE	DATE

INTERSTATE 295 NORTHBOUND	JOINT MODIFICATION DETAILS II
S. PORTLAND TO PORTLAND	
CUMBERLAND COUNTY	

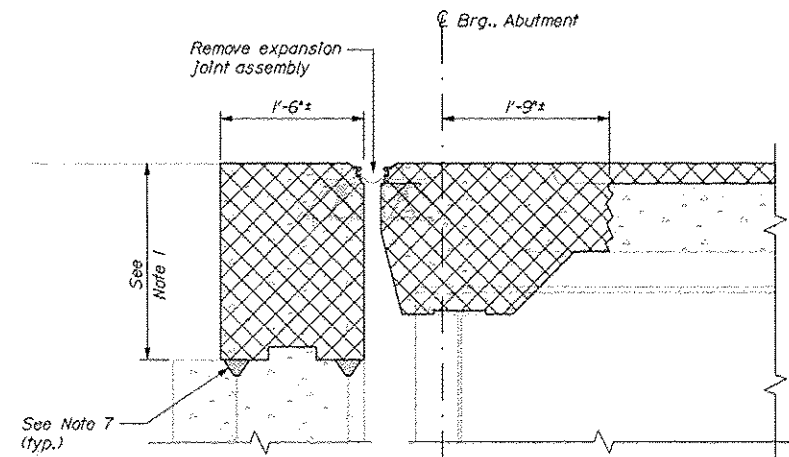
SHEET NUMBER
19
OF 111

Date: 1/24/2012

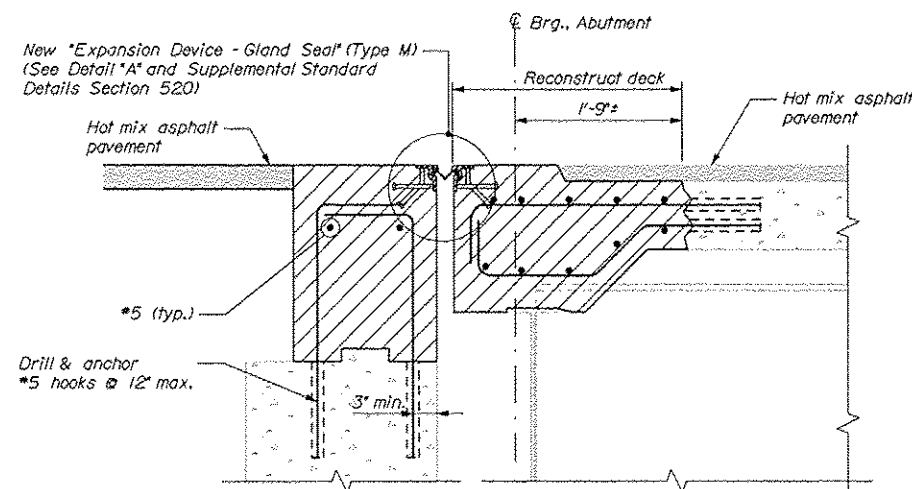
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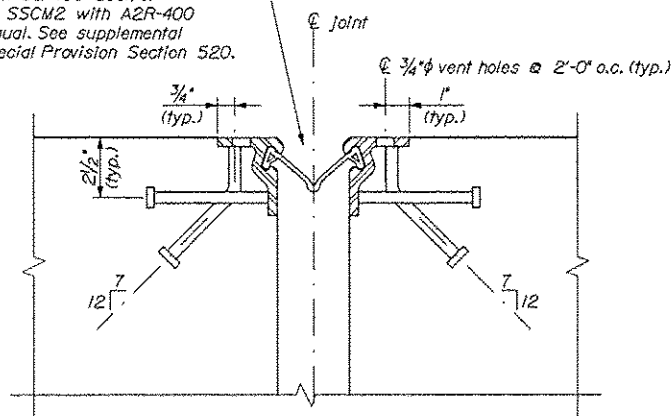
CONSTRUCTION

JOINT MODIFICATION TYPE 5

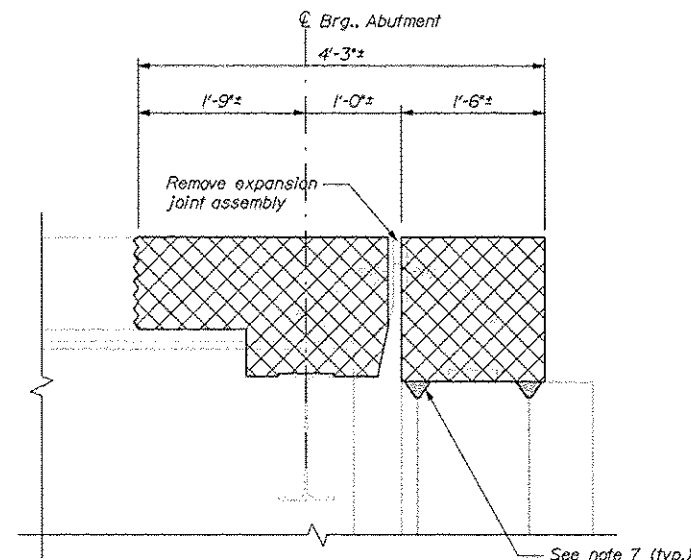
(See also 'Reconstructed Curb & Overhang Detail')
1' = 1'-0"

Limits of joint modification:
Gland seal, gland seal extrusions and steel angles - full deck width and partially through raised curbs per Supplemental Standard Details;
Structural concrete - full deck width, out to out.

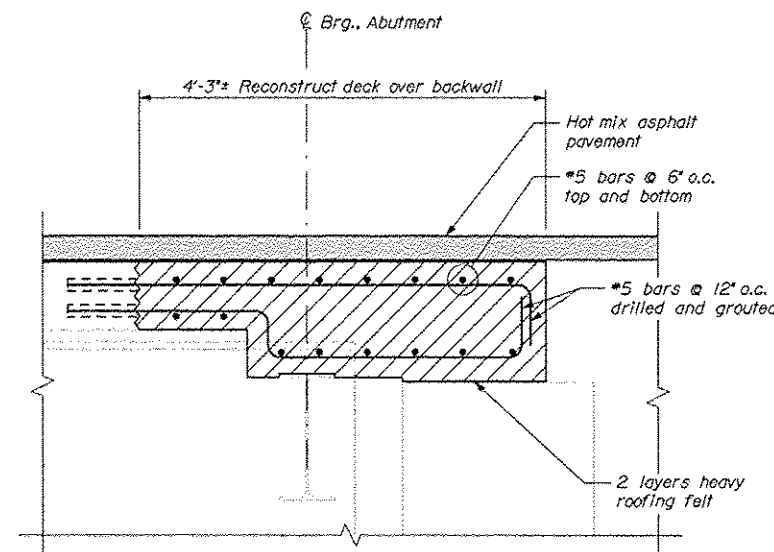
Watson Bowman Acme Corp. WABO Stripseal Bridge • Type M with SE-400 Seal, or modified DS Brown SSCM2 with A2R-400 Seal, or approved equal. See supplemental details following Special Provision Section 520.



DETAIL A
3' = 1'-0"



DEMOLITION

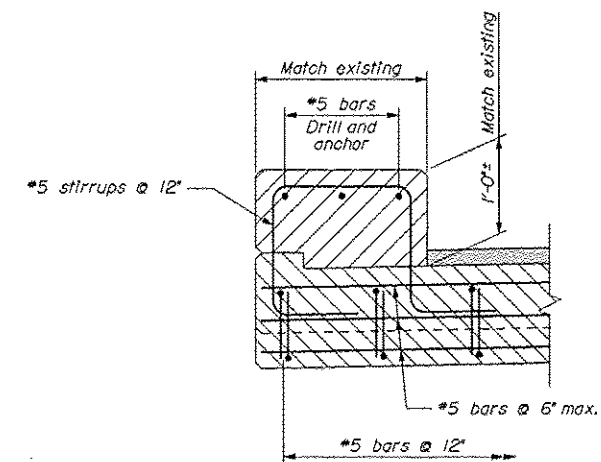


CONSTRUCTION

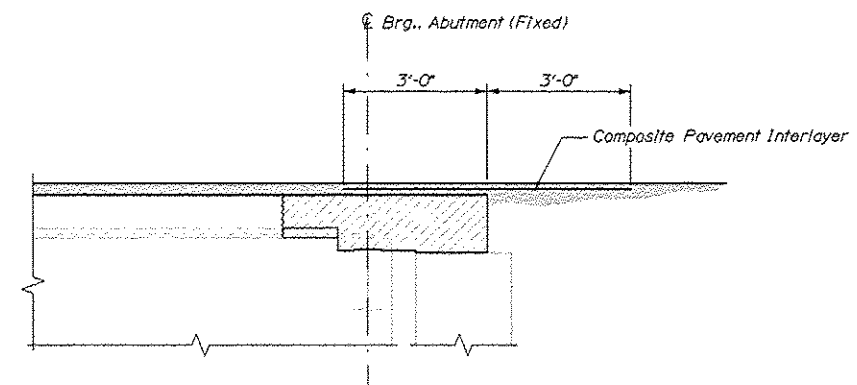
JOINT MODIFICATION TYPE 6

(See also 'Reconstructed Curb & Overhang Detail')
1' = 1'-0"

Limits of joint modification:
Structural concrete - full deck width, out to out.



RECONSTRUCTED CURB & OVERHANG DETAIL
1' = 1'-0"



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

LEGEND

Approximate limit of concrete and reinforcing steel removal

NOTES

1. Minimum depth of backwall reconstruction shall be to backwall construction joint or solid concrete, whichever is greater.
2. Refer to Standard Details Section 520 and Supplemental Standard Details Section 520 for details and information not shown.
3. All concrete surfaces where elastomeric concrete is to be applied shall have a 1/4-in. minimum anchor profile or roughened surface.
4. Elastomeric concrete shall be applied according to the manufacturer's recommendations.
5. All new steel supplied for the bridge joint modification shall be galvanized.
6. The Contractor shall be fully responsible for selecting the appropriate seal based on the movement rating from the approved products list.
7. After demolition, the existing reinforcing steel shall be cut 2" below the demolished surface. The contractor shall chip localized areas of concrete as required to allow the bars to be cut and then fill the depressions with grout to provide a flush surface. Following demolition of the backwall concrete the top of backwall surface shall receive a thin layer of patching mortar to provide a smooth uniform surface on which to cast the new concrete. The patching mortar shall be selected from Maine DOT's qualified products list.

STATE OF MAINE	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	PIN 17929.10
IM-1792(910)E	BRIDGE NO. Varies

DATE	BY	DOE	APC	TRC	SIGNATURE	P.E. NUMBER	DATE
1/2							
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INTERSTATE 295 NORTHBOUND	JOINT MODIFICATION DETAILS III
S. PORTLAND TO PORTLAND	
CUMBERLAND COUNTY	

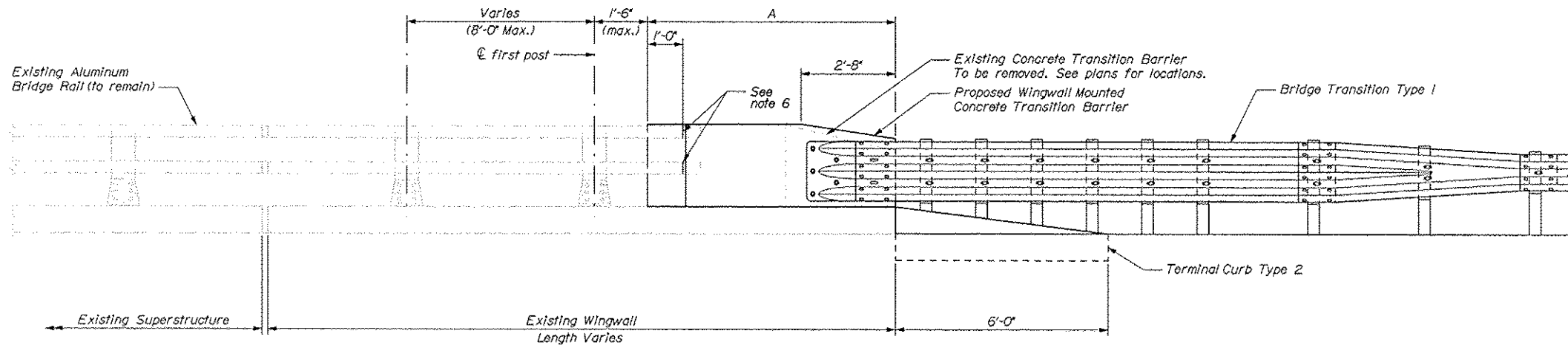
SHEET NUMBER
20
OF 111

Date: 12/21/2011

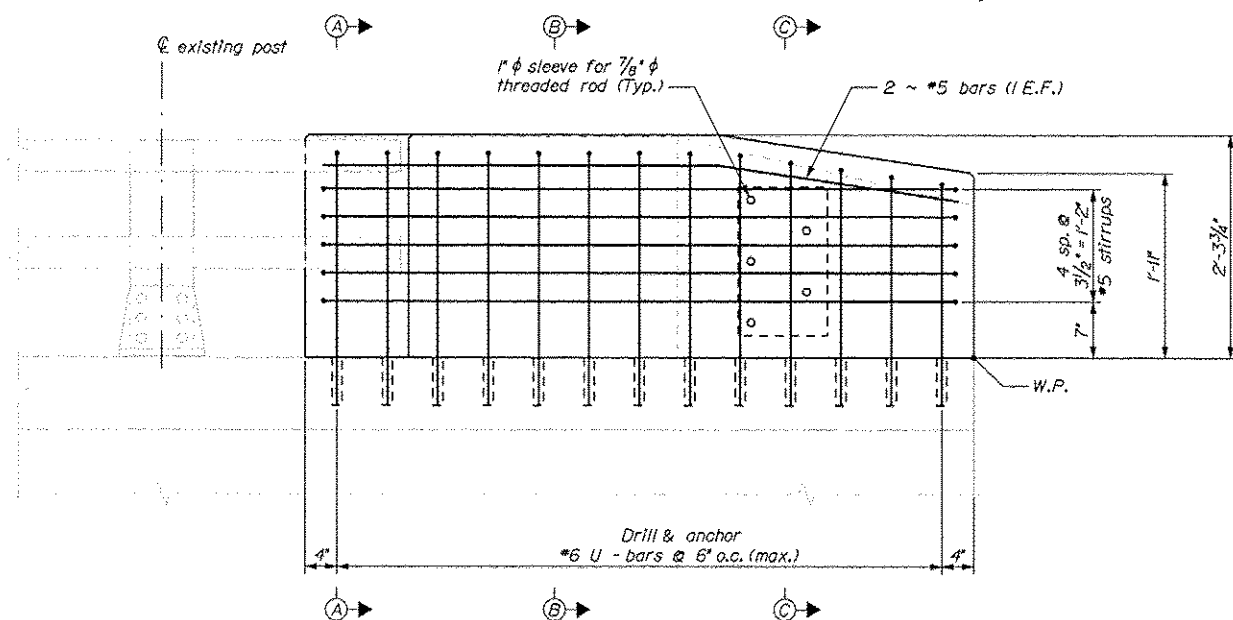
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Division: BRIDGE

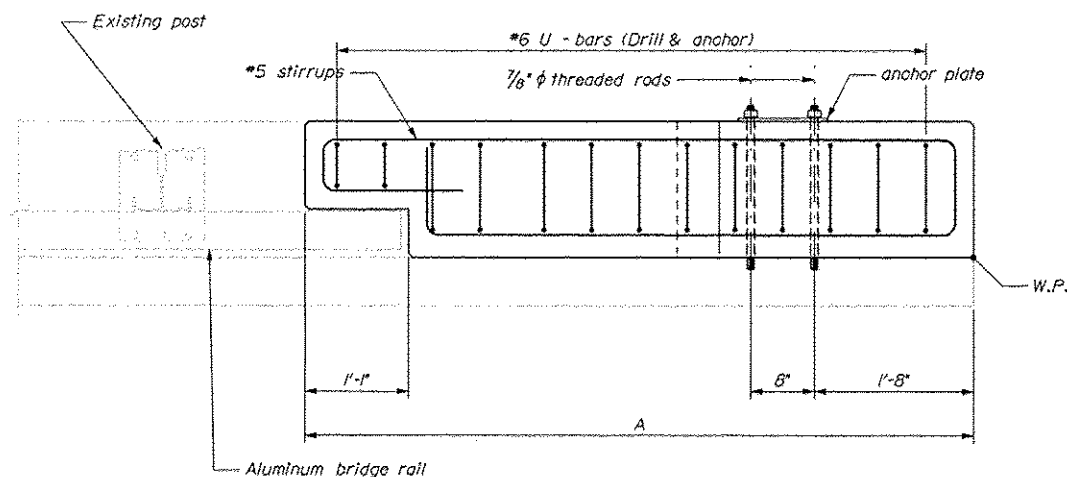
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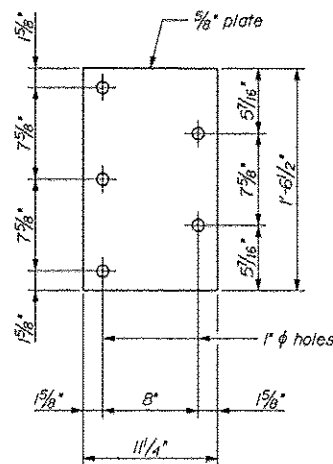
CONCRETE TRANSITION BARRIER (TYPE I)
Roadway elevation shown



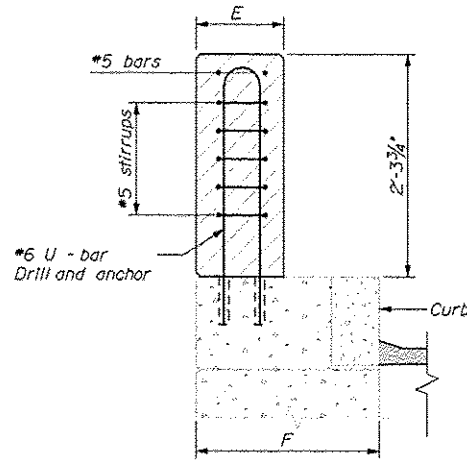
TRANSITION BARRIER ELEVATION
Roadway elevation shown



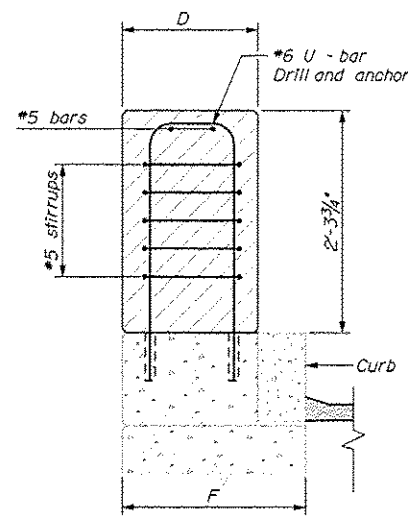
TRANSITION BARRIER PLAN



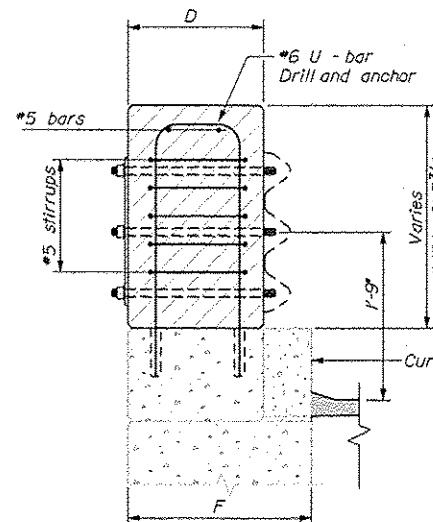
ANCHOR PLATE



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 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
6281	Fore River	Approach Travel Lane	8'-1"	1'-3 1/2"	0'-10 1/2"	1'-9 1/2"
6281	Fore River	Departure Travel Lane	8'-0"	1'-3 1/2"	0'-10 1/2"	1'-9 1/2"
6292	Portland Connector	Approach Travel Lane	7'-11"	1'-4"	11"	1'-11"
6292	Portland Connector	Departure Travel Lane	7'-4"	1'-4"	11"	1'-11"
6294	Congress St. and Park Ave.	Approach Travel Lane	7'-1"	1'-3 1/2"	0'-10 1/2"	1'-9 1/2"
6294	Congress St. and Park Ave.	Departure Travel Lane	6'-4"	1'-3 1/2"	0'-10 1/2"	1'-9 1/2"
6297	St. John Street	Departure Travel Lane	7'-4"	1'-3 1/2"	0'-10 1/2"	1'-9 1/2"
6298	Forest Avenue	Approach Travel Lane	6'-8"	1'-4"	11"	1'-11"
6298	Forest Avenue	Departure Travel Lane	6'-4"	1'-4"	11"	1'-11"
6299	Preble Street	Approach Travel Lane	6'-4"	1'-3 1/2"	0'-10 1/2"	1'-9 1/2"
6299	Preble Street	Departure Travel Lane	6'-4"	1'-3 1/2"	0'-10 1/2"	1'-9 1/2"
6300	Franklin Arterial	Approach Travel Lane	6'-7"	1'-4"	11"	1'-11"
6300	Franklin Arterial	Departure Travel Lane	6'-7"	1'-4"	11"	1'-11"
5915	Washington Ave. On Ramp	Approach Travel Lane	6'-10"	1'-4"	11"	1'-10"
5915	Washington Ave. On Ramp	Approach Passing Lane	6'-7"	1'-4"	11"	1'-10"
5915	Washington Ave. On Ramp	Departure Travel Lane	6'-7"	1'-4"	11"	1'-10"
5915	Washington Ave. On Ramp	Departure Passing Lane	6'-11"	1'-4"	11"	1'-10"

INTERSTATE 295 NORTHBOUND
S. PORTLAND TO PORTLAND
CUMBERLAND COUNTY
CONCRETE TRANSITION BARRIER
(TYPE 1)

SHEET NUMBER

21

OF 111

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

IM-1792(910)E

PIN

17929.10

BRIDGE PLANS

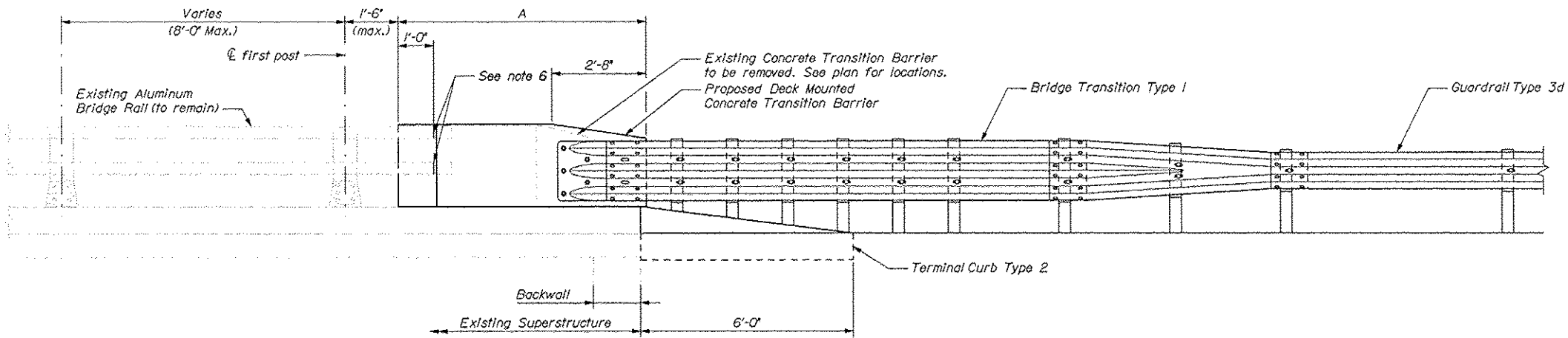
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Date:12/21/2011

Username: bhavu

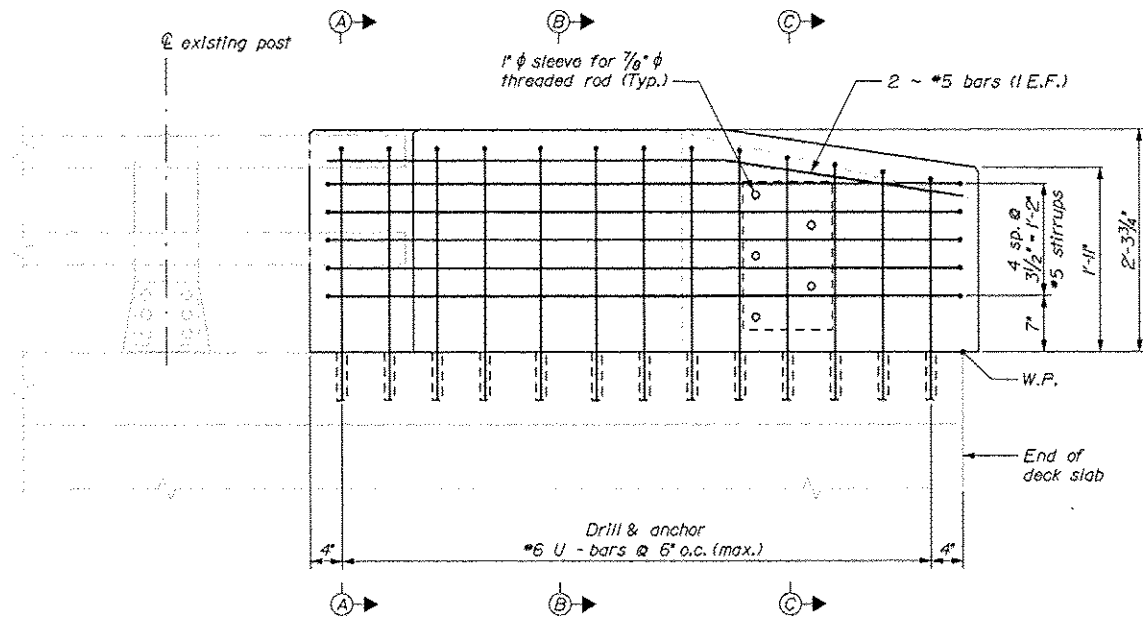
Division: BRIDGE

Filename: 022_TransitionBarrier2.dgn



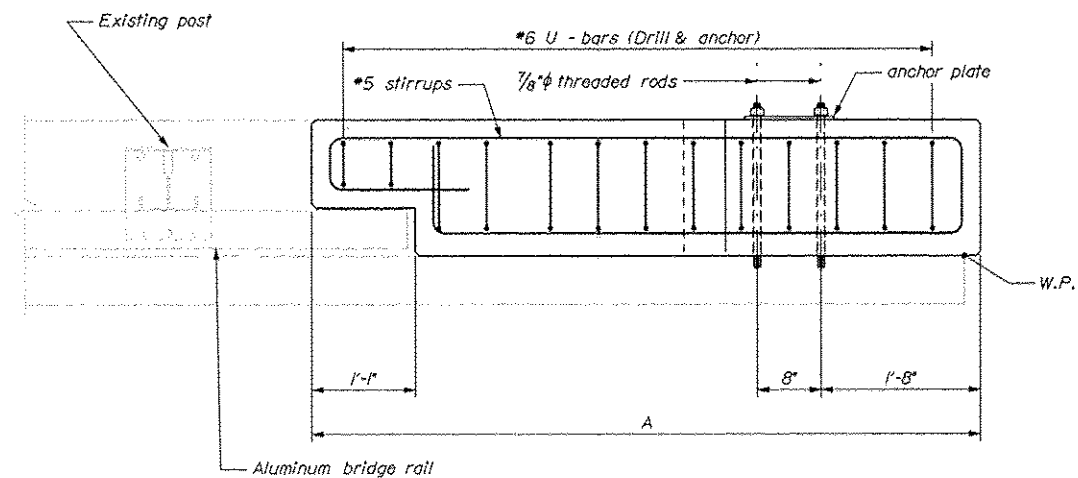
CONCRETE TRANSITION BARRIER (TYPE 2)

Roadway elevation shown

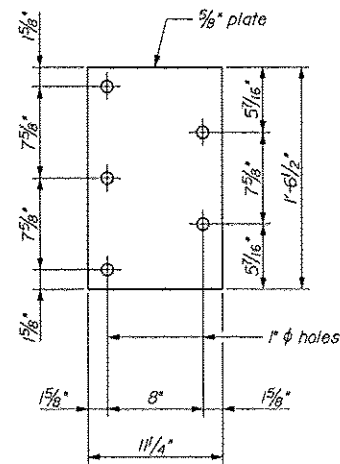


TRANSITION BARRIER ELEVATION

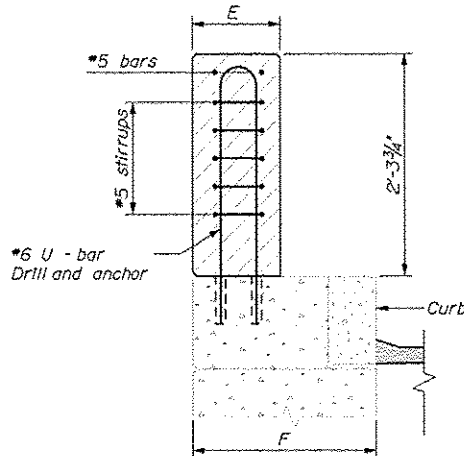
Roadway elevation shown



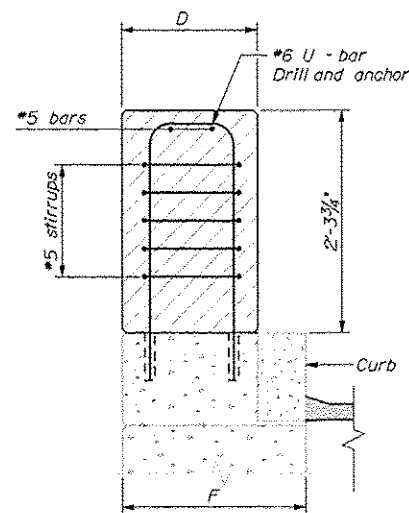
TRANSITION BARRIER PLAN



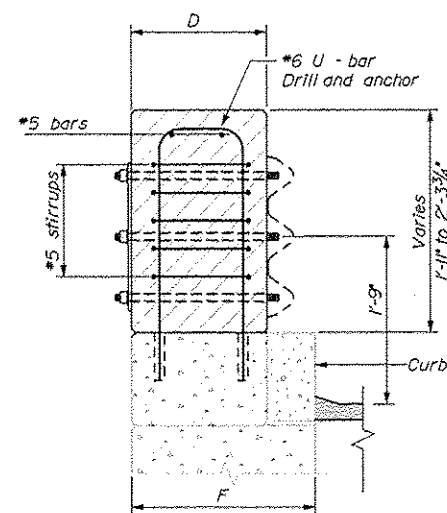
ANCHOR PLATE



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
6292	Portland Connector	Approach Passing Lane	6'-4"	1'-4"	11"	1'-11"
6292	Portland Connector	Departure Passing Lane	6'-4"	1'-4"	11"	1'-11"

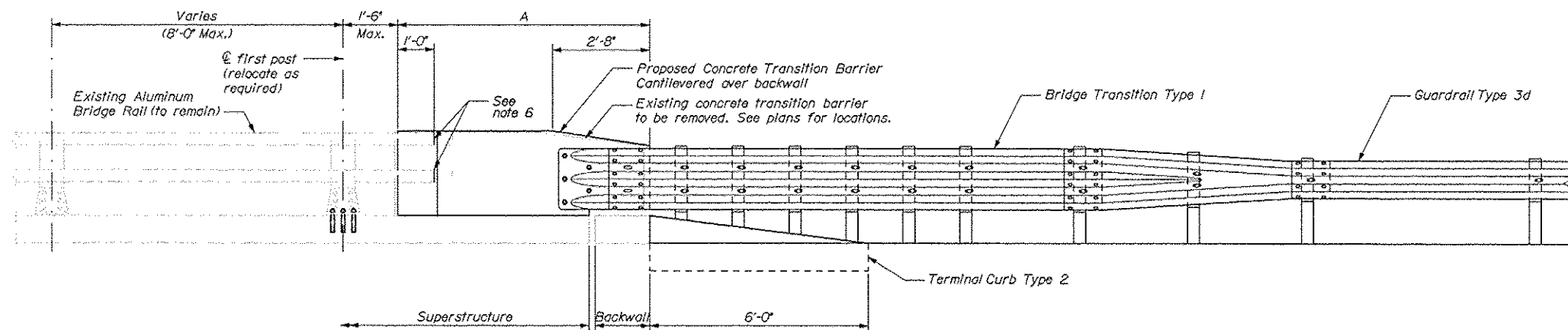
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CHECKED	BY	DATE	CHECKED	BY	DATE
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FIELD CHANGES	DATE	BY	FIELD CHANGES	DATE	BY
INTERSTATE 295 NORTHBOUND S. PORTLAND TO PORTLAND CUMBERLAND COUNTY					
CONCRETE TRANSITION BARRIER (TYPE 2)					
SHEET NUMBER					
22					
OF 111					

Date: 12/21/2011

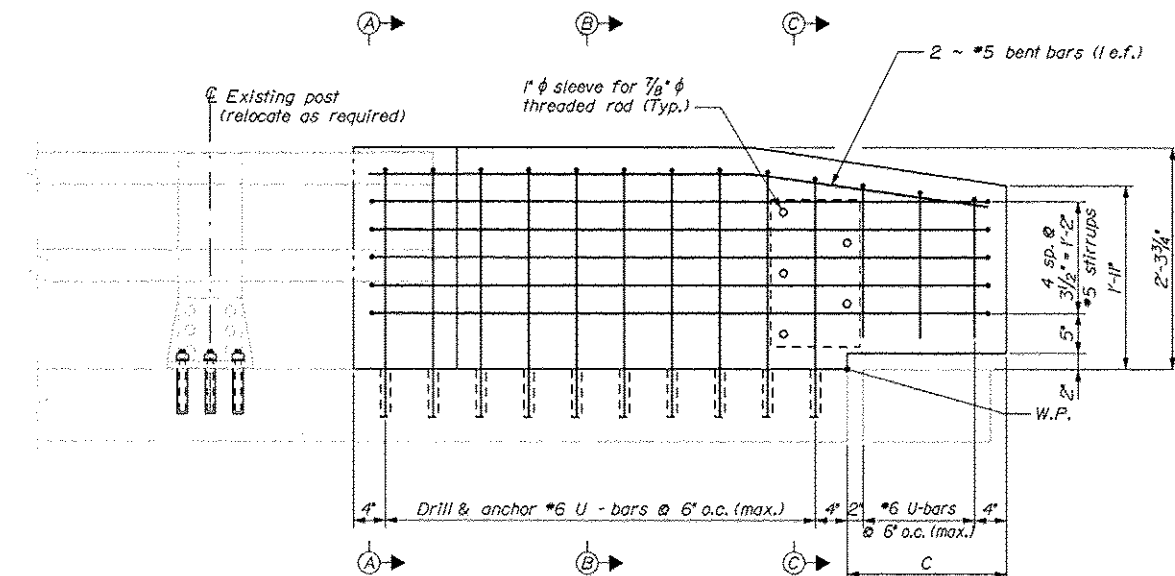
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Division: BRIDGE

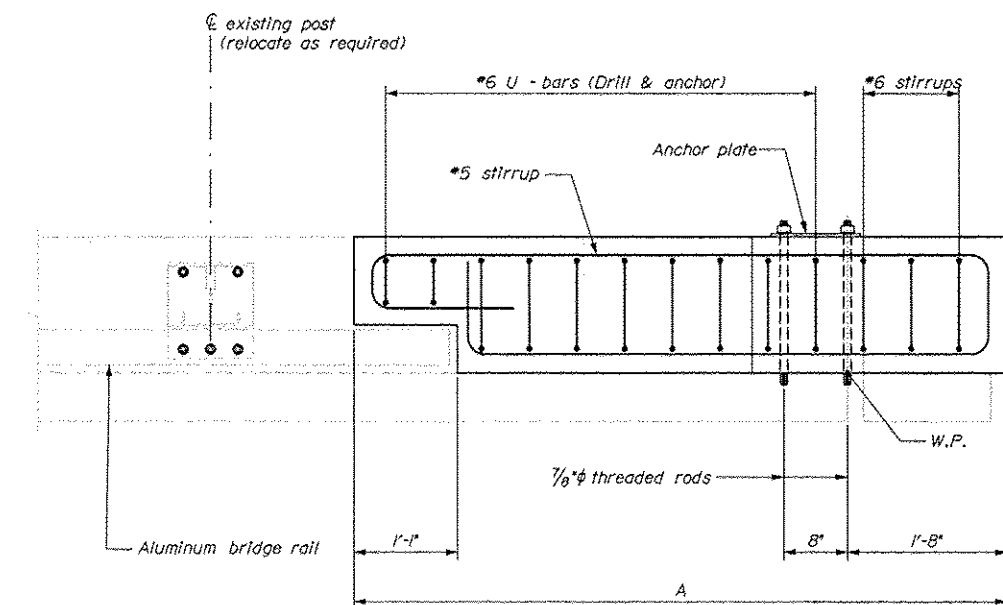
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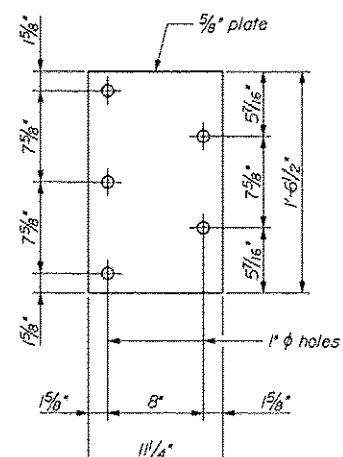
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Roadway elevation shown



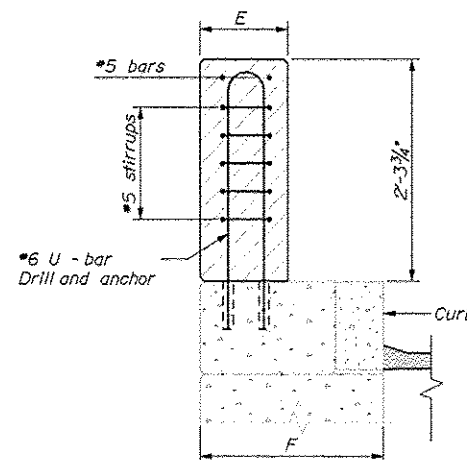
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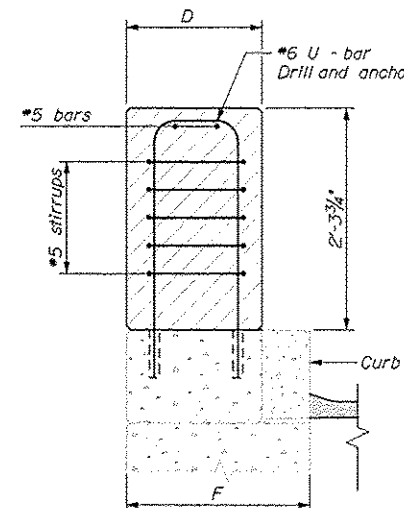
TRANSITION BARRIER PLAN



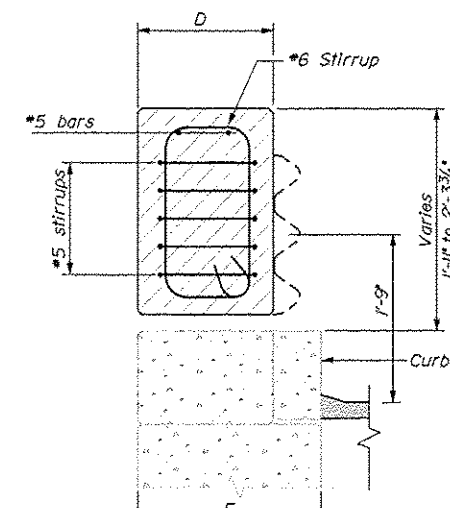
ANCHOR PLATE



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. 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.

Bridge #	Bridge	Location	A	C	D	E	F
6273	State Route 703	Approach Travel Lane	7'-0"	2'-4"	1'-4"	11"	1'-11"
6273	State Route 703	Departure Travel Lane	7'-1"	2'-4"	1'-4"	11"	1'-11"
6249	Westbrook Street	Approach Travel Lane	6'-4"	2'-0"	1'-3 1/2"	9 1/2"	1'-9 1/2"
6249	Westbrook Street	Departure Travel Lane	6'-4"	1'-7"	1'-3 1/2"	9 1/2"	1'-9 1/2"
6249	Westbrook Street	Departure Passing Lane	6'-4"	1'-8"	1'-3 1/2"	9 1/2"	1'-9 1/2"
6291	PTRR (Fore)	Departure Passing Lane	6'-4"	2'-3"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6295	St. James Street	Approach Passing Lane	7'-1"	1'-10"	1'-4"	11"	1'-11"
6295	St. James Street	Approach Travel Lane	7'-1"	2'-2"	1'-4"	11"	1'-11"
6295	St. James Street - On Ramp	Approach LT Side	7'-1"	1'-10"	1'-4"	11"	1'-11"
6295	St. James Street - On Ramp	Approach RT Side	7'-2"	2'-5"	1'-4"	11"	1'-11"
6297	St. John Street	Departure Passing Lane	6'-4"	1'-8"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6298	Forest Avenue	Departure Passing Lane	6'-4"	2'-2"	1'-4"	11"	1'-11"
6299	Plebe Street	Departure Passing Lane	6'-4"	1'-8"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6300	Franklin Arterial	Departure Passing Lane	6'-4"	1'-11"	1'-4"	11"	1'-11"

INTERSTATE 295 NORTHBOUND
S. PORTLAND TO PORTLAND
CUMBERLAND COUNTY
CONCRETE TRANSITION BARRIER
(TYPE 3A)

SHEET NUMBER

23

OF 111

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

IM-1792(910)E

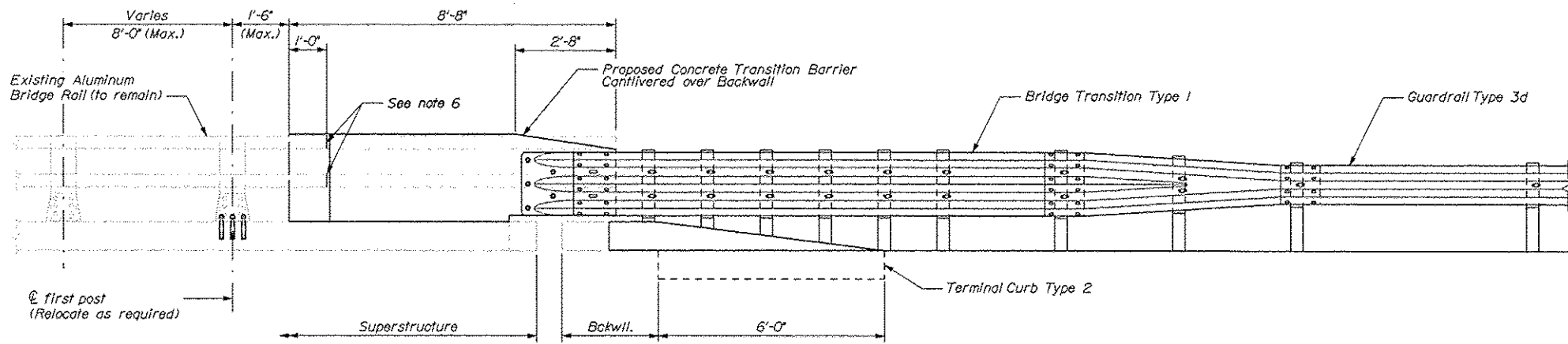
BRIDGE NO. As Noted
PIN 17929.10
BRIDGE PLANS

Date: 12/21/2011

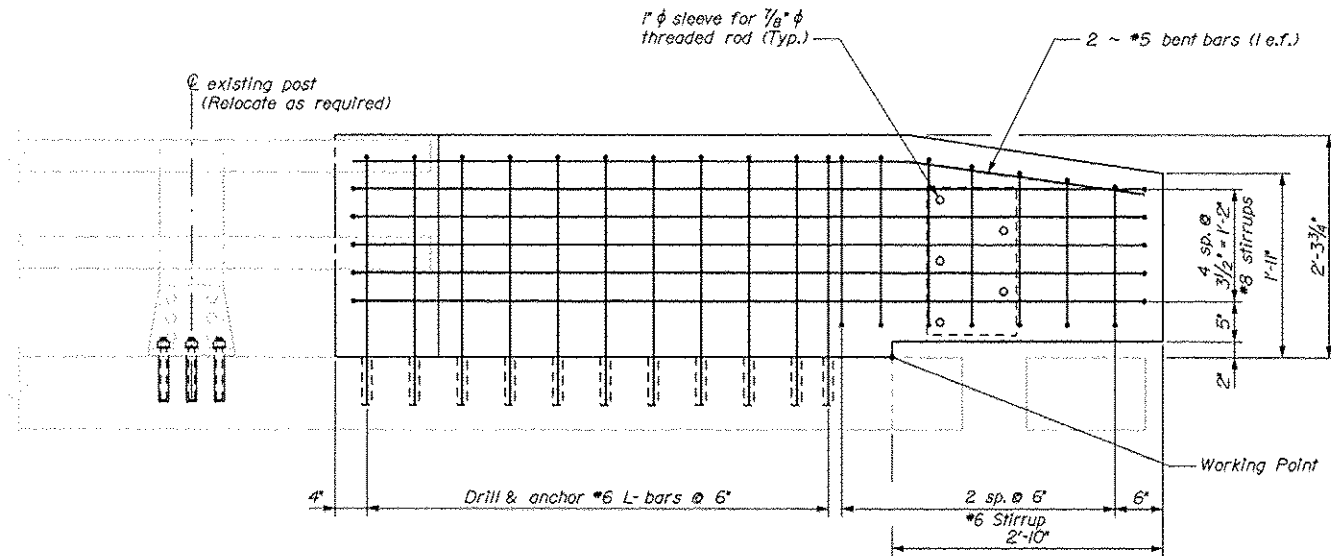
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Division: BRIDGE

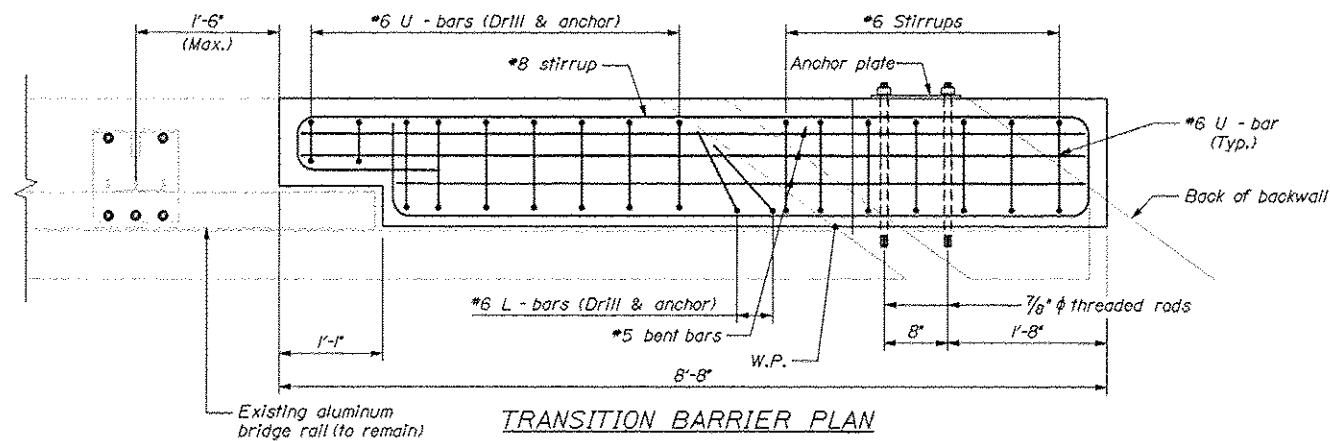
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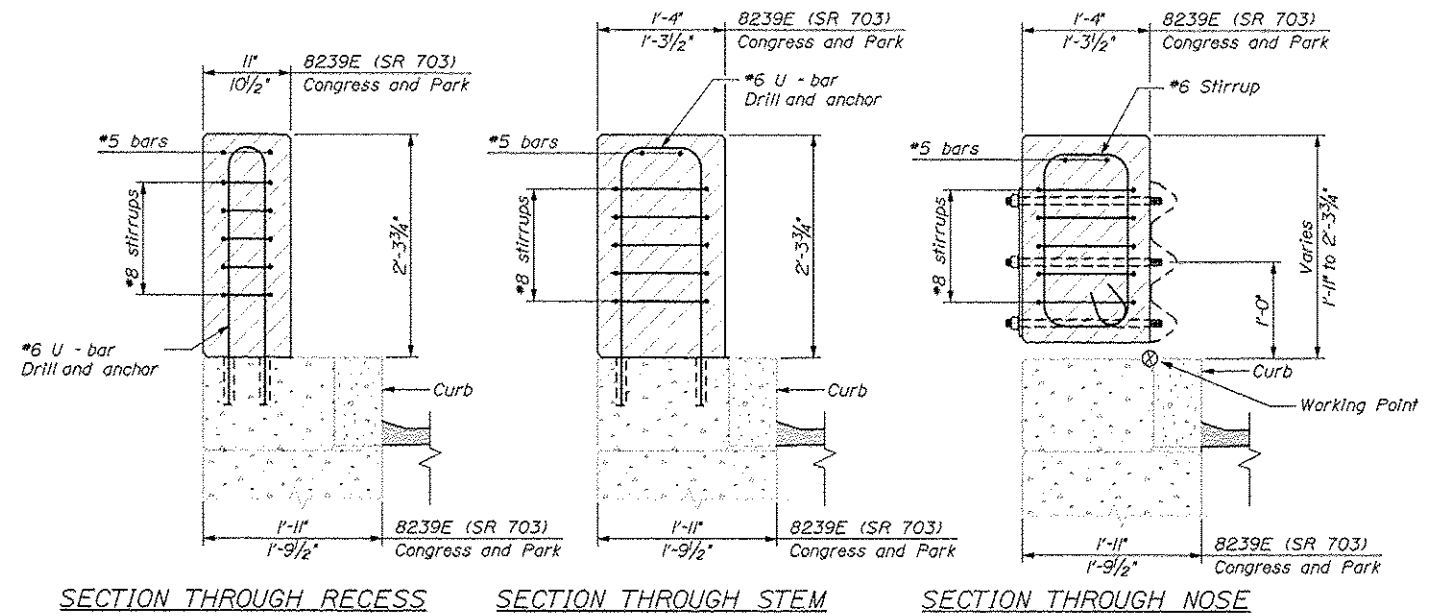
CONCRETE TRANSITION BARRIER (TYPE 3B)
Roadway elevation shown



TRANSITION BARRIER ELEVATION
Roadway elevation shown

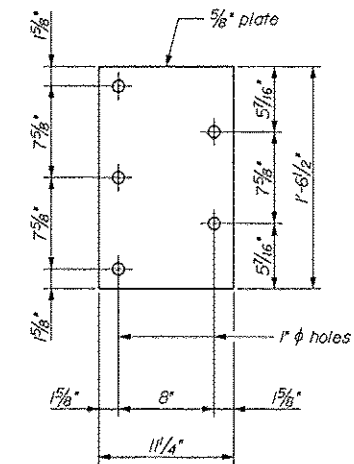


TRANSITION BARRIER PLAN



SECTION THROUGH RECESS SECTION THROUGH STEM SECTION THROUGH NOSE

NOTE:
This transition barrier to be constructed at Bridge 8239E (State Route 703), departure passing and Congress Street and Park Avenue departure passing



ANCHOR PLATE

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. 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.

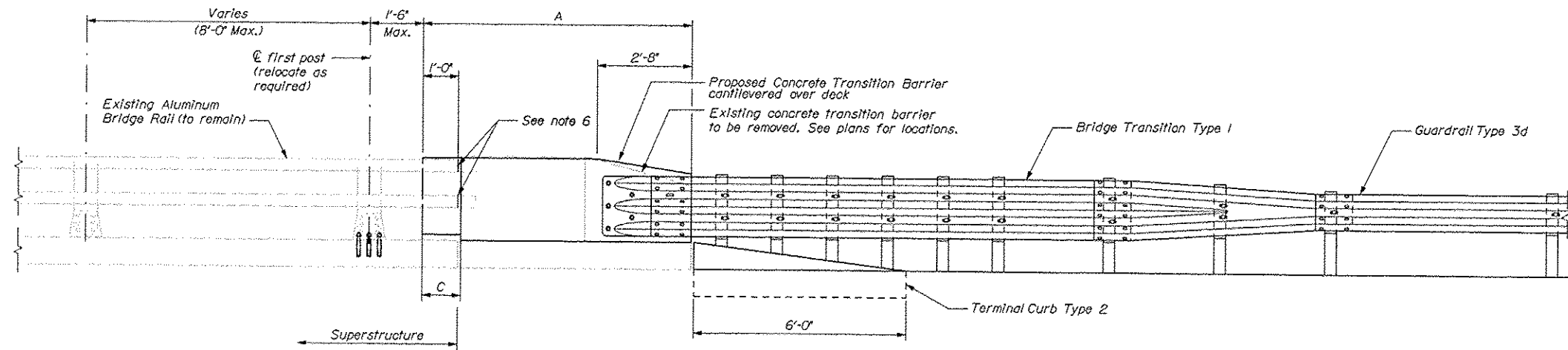
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						BRIDGE NO. As Noted					
						PIN 17929.10					
						BRIDGE PLANS					
SHEET NUMBER											
24											
OF 111											

Date: 12/21/2011

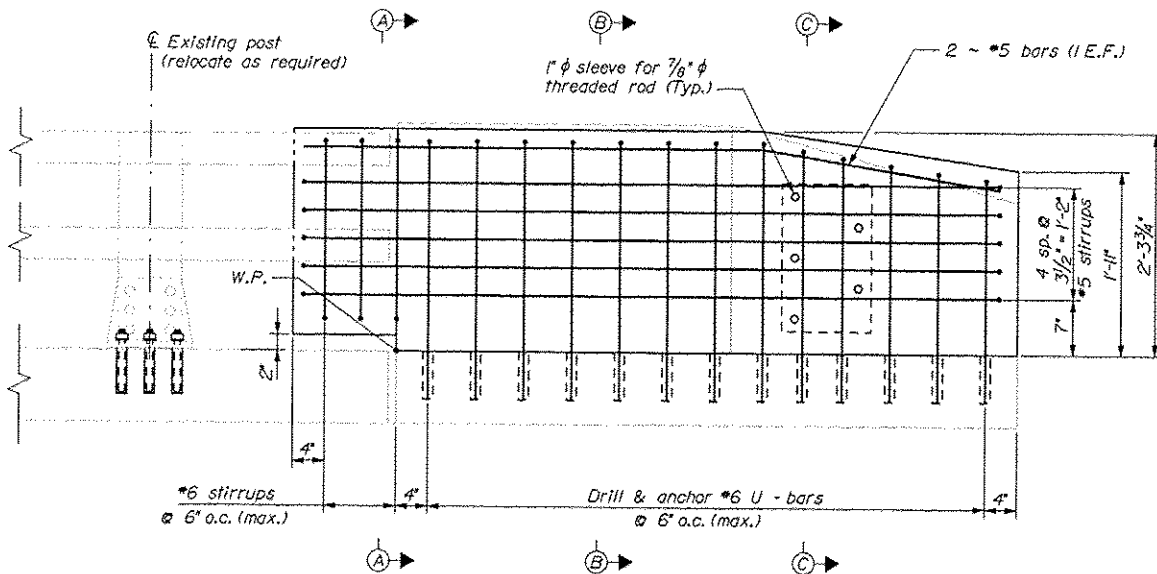
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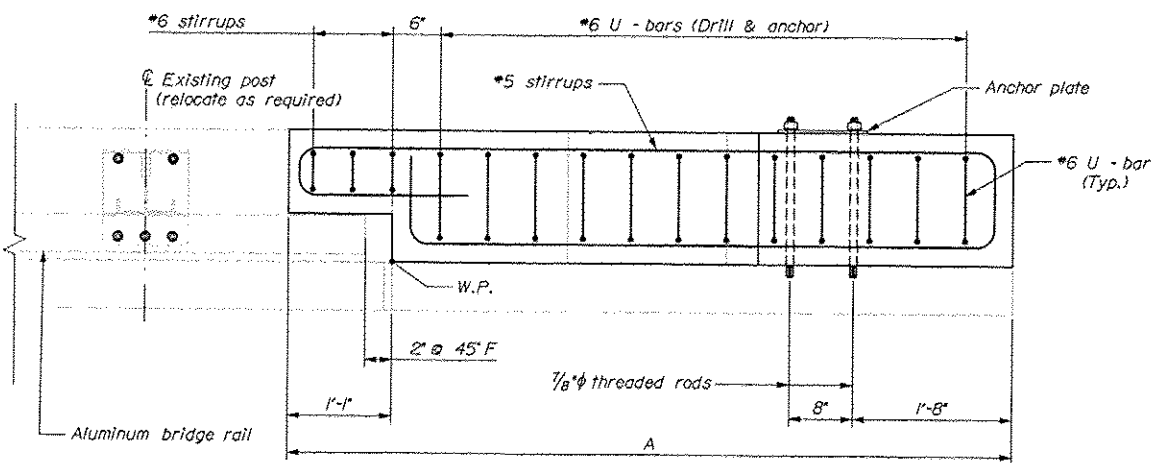
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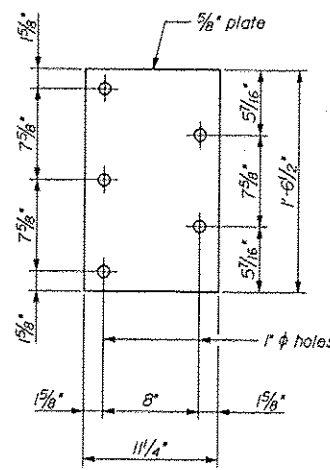
CONCRETE TRANSITION BARRIER (TYPE 4)
Roadway elevation shown



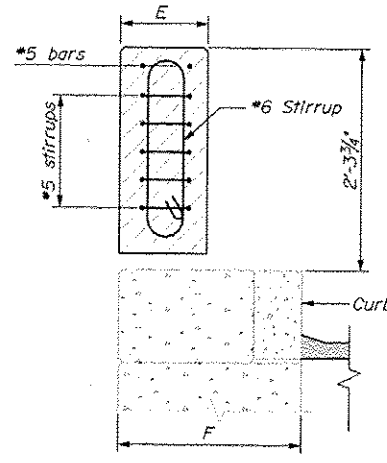
TRANSITION BARRIER ELEVATION
Roadway elevation shown



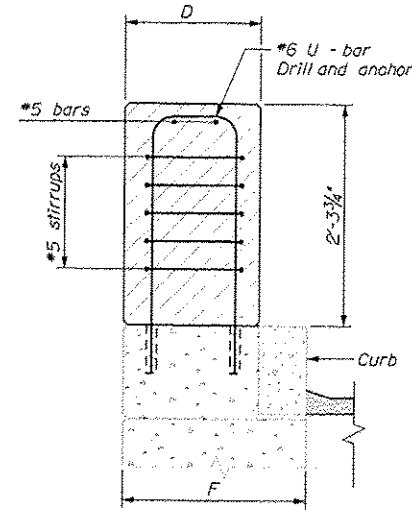
TRANSITION BARRIER PLAN



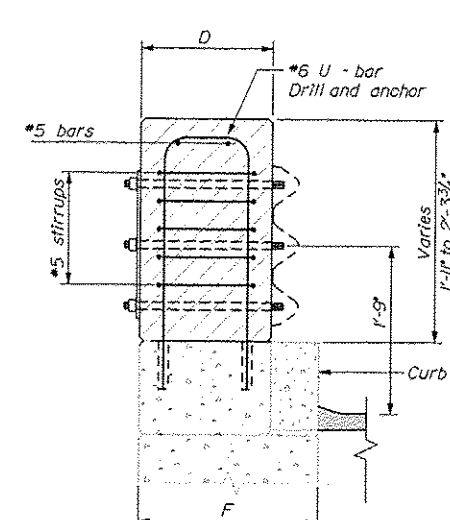
ANCHOR PLATE



SECTION A-A



SECTION B-B



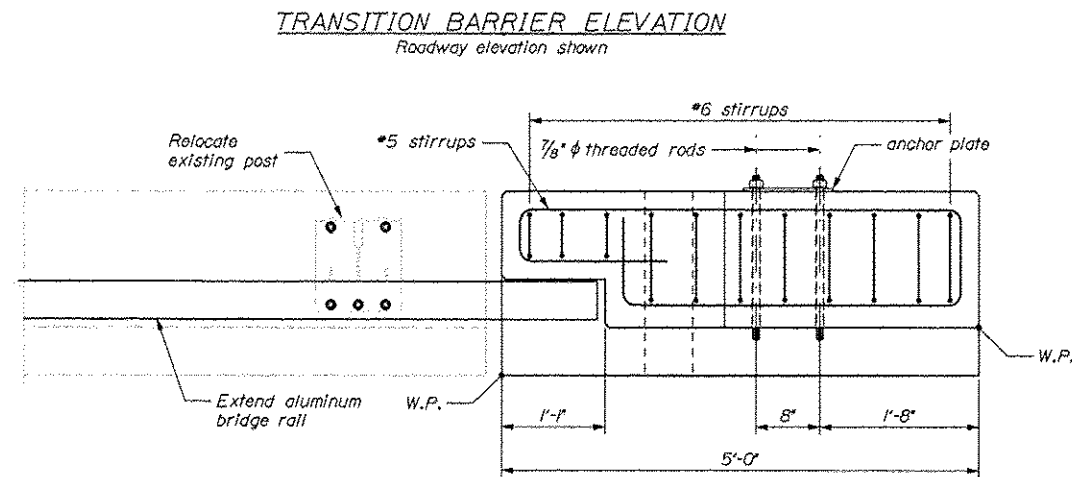
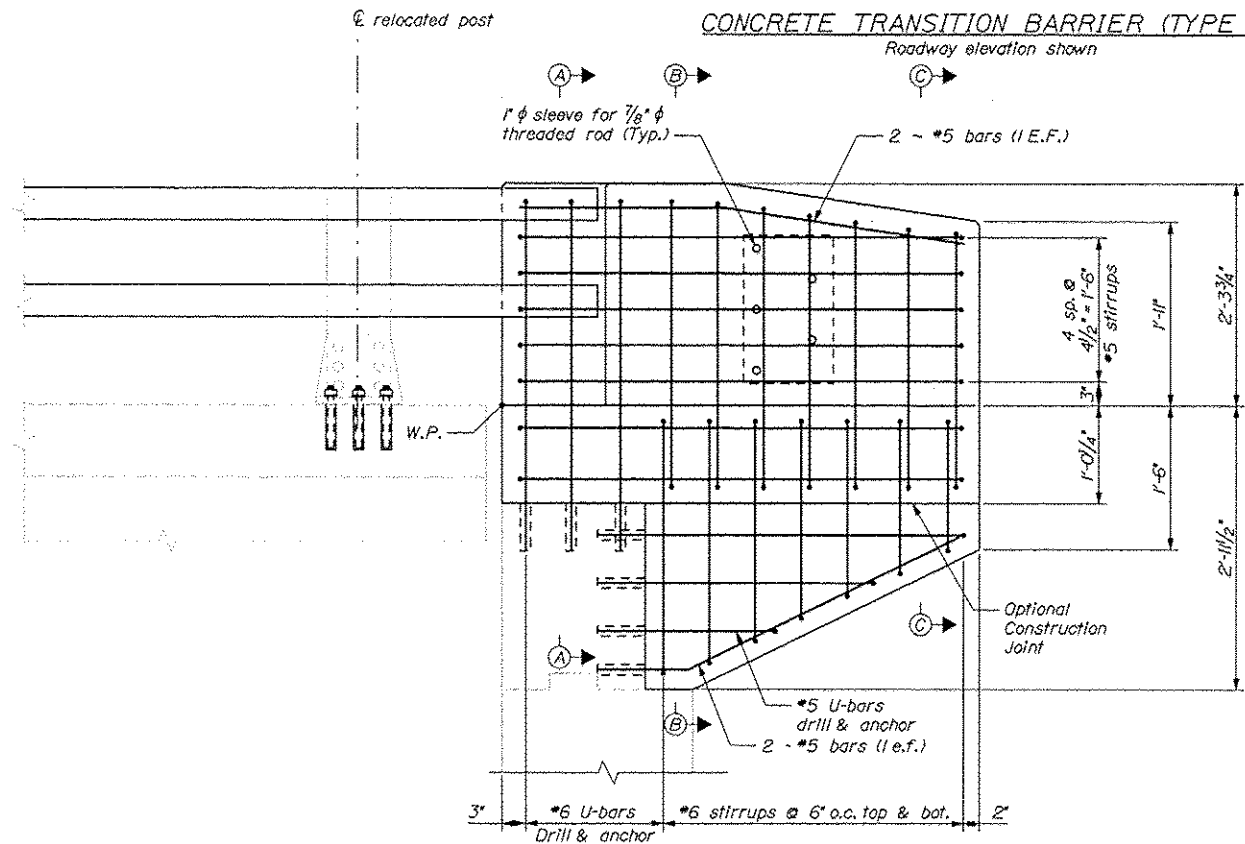
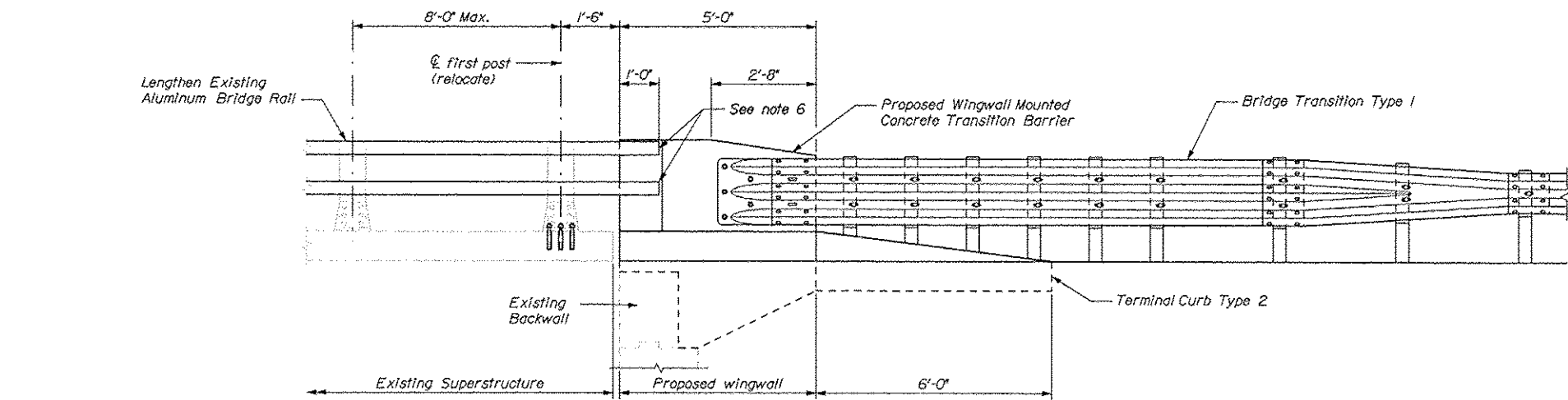
SECTION C-C

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. 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.

Bridge #	Bridge	Location	A	C	D	E	F
6273	State Route 703	Approach Passing Lane	8'-1"	6"	1'-4"	11"	1'-11"
6249	Westbrook Street	Approach Passing Lane	7'-0"	1'-1"	1'-3 1/2"	9 1/2"	1'-9 1/2"
6281	Fore River	Approach Passing Lane	6'-5"	1'-4"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6291	PTRR (Fore)	Approach Travel Lane	8'-6"	1'-8"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6291	PTRR (Fore)	Approach Passing Lane	6'-5"	11"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6291	PTRR (Fore)	Departure Travel Lane	9'-0"	1'-1"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6294	Congress Street and Park Avenue	Approach Passing Lane	6'-5"	1'-2"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6298	Forest Avenue	Approach Passing Lane	7'-1"	1'-6"	1'-4"	11"	1'-11"
6299	Preble Street	Approach Passing Lane	6'-4"	1'-5"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6300	Franklin Arterial	Approach Passing Lane	6'-4"	1'-4"	1'-4"	11"	1'-11"

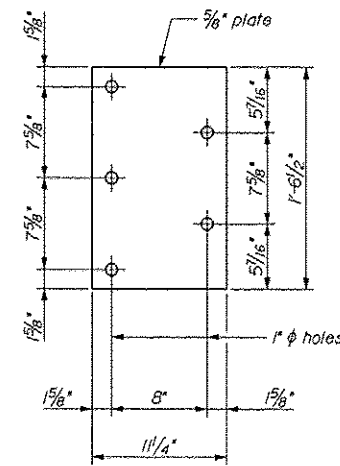
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	BRIDGE NO. As Noted PIN 17929.10	BRIDGE PLANS
INTERSTATE 295 NORTHBOUND S. PORTLAND TO PORTLAND CUMBERLAND COUNTY CONCRETE TRANSITION BARRIER (TYPE 4)	SHEET NUMBER 25 OF 111	



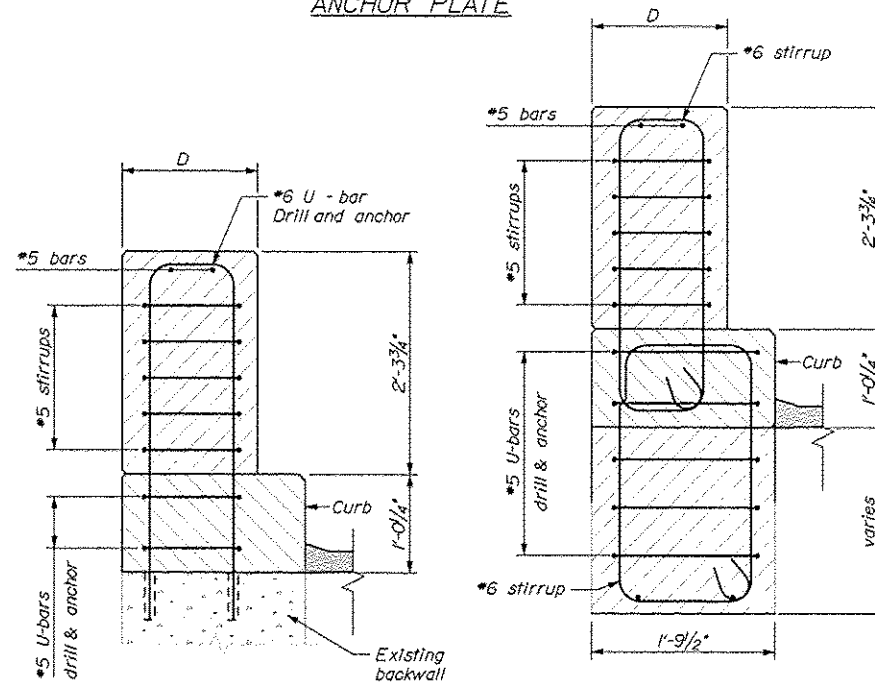
TRANSITION BARRIER PLAN

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. 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.

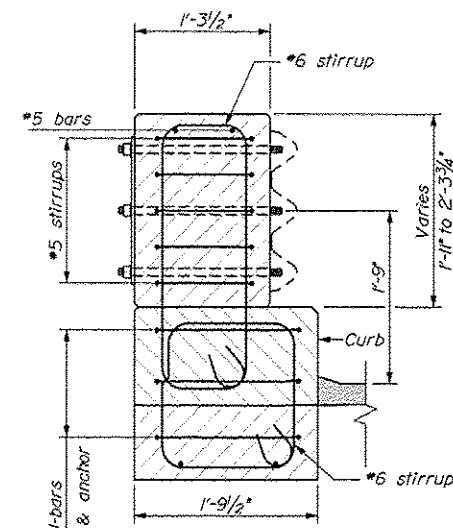


ANCHOR PLATE



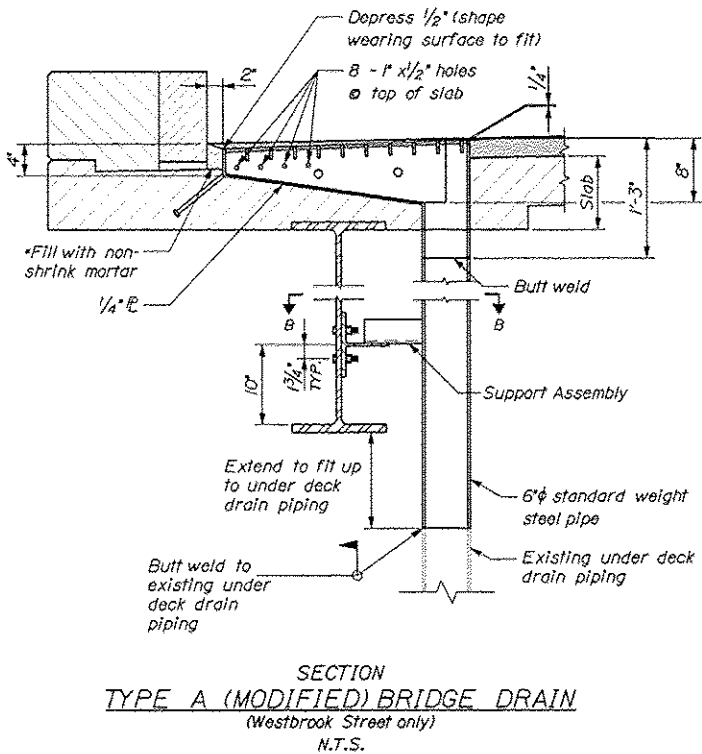
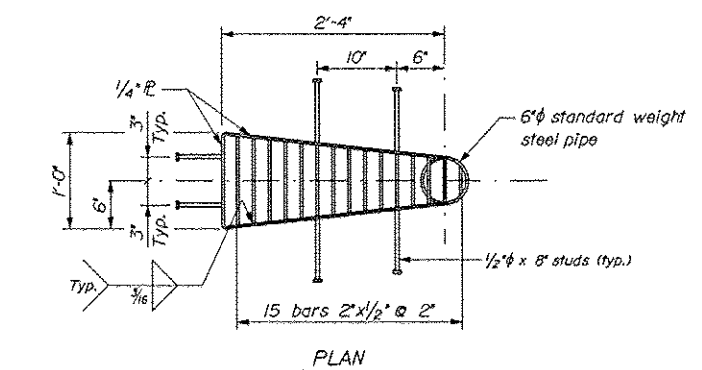
SECTION A-A

SECTION B-B

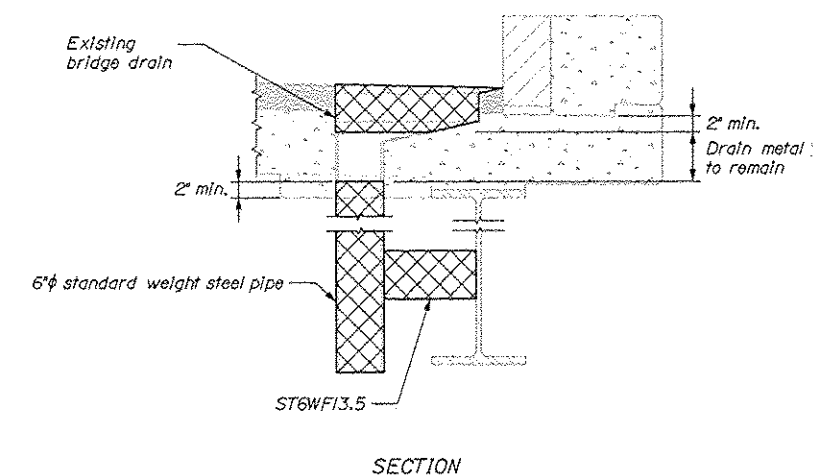


SECTION C-C

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	BRIDGE NO. As Noted		PIN 17929.10		BRIDGE PLANS	
	DATE		BY		SIGNATURE	
	DESIGNER		CHECKER		P.E. NUMBER	
INTERSTATE 295 NORTHBOUND S. PORTLAND TO PORTLAND CUMBERLAND COUNTY CONCRETE TRANSITION BARRIER (TYPE 5)	DATE		BY		SIGNATURE	
	DESIGNER		CHECKER		P.E. NUMBER	
	REVISIONS 1		REVISIONS 2		REVISIONS 3	
SHEET NUMBER		26		OF 111		



- NOTES:**
1. See Bridge Drain Notes on previous sheet.
 2. For pavement depression around bridge drains, see Type A detail on previous sheet.
 3. For slab reinforcement at bridge drains, see type A detail on previous sheet.
 4. Section B-B is shown on previous sheet.



EXISTING BRIDGE DRAIN REMOVAL

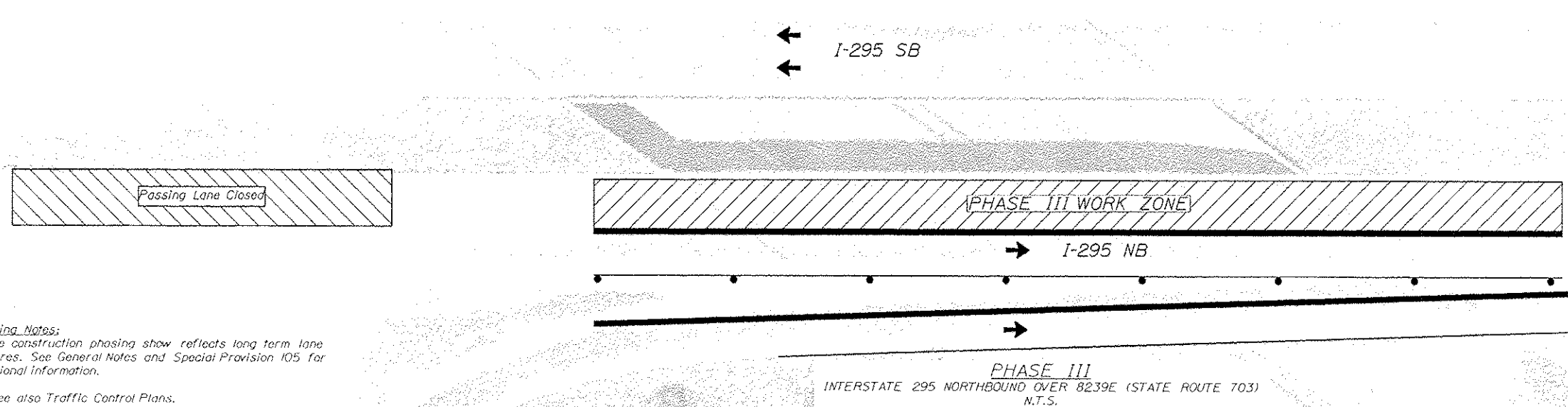
N.T.S.

- NOTES:**
1. Contractor shall note that drains may be rotated 180° with downspout under curb.
 2. Payment for all labor, equipment and material associated with the bridge drain removal will be paid for under Item 502.702, Remove Bridge Drain, see Special Provision 502.
 3. If a new drain is proposed at the location of a bridge drain removal, payment for the drain removal is considered incidental to the new drain pay item. See Special Provision 502.

- LEGEND**
- Approximate limit of drain removal

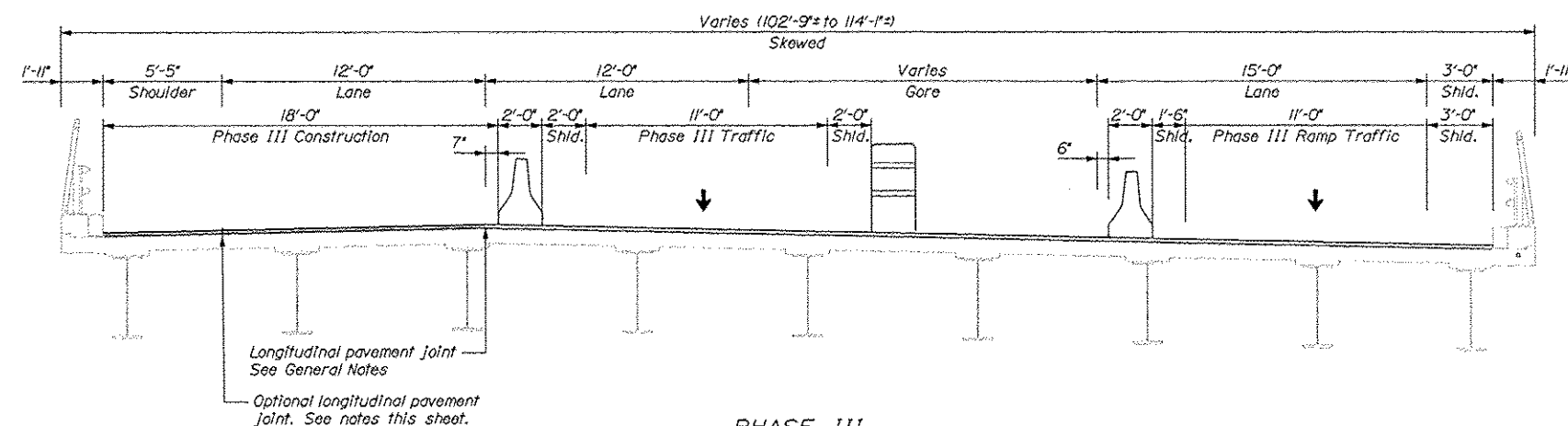
- BRIDGE DRAIN REMOVAL PROCEDURE (ALL TYPES):**
1. Mechanically cut and remove portions of existing drain with less than 2" of embedment into existing deck concrete.
 2. Chip and remove any loose or deteriorated deck concrete in the vicinity of the bridge drain removal.
 3. Power tool clean all areas of bridge drain that will receive repair concrete in accordance with SSPC-SP3. All loose rust, paint and other foreign materials shall be removed.
 4. Install temporary form on underside of bridge deck and apply an epoxy bonding agent to all repair surfaces. The proposed epoxy bonding agent shall be selected from Maine DOT's Qualified Product List.
 5. Fill drain with Class LP concrete. Concrete shall be placed, finished and cured in accordance with Standard Specification 502.
 6. Saw cut support angle 1/2" from web. Touch up exposed steel with two coats of zinc rich chromate paint. Strip forms.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E		BRIDGE NO. Varies PIN 17929.10 BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND S. PORTLAND TO PORTLAND CUMBERLAND COUNTY		BRIDGE DRAIN DETAILS II	
SHEET NUMBER 28 OF 111		DATE BY DOE MPC IRC DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED CHECKED-REVIEWED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	



2. See also *Traffic Control Plans*.

SHEET NUMBER	29 OF 111	INTERSTATE 295 NORTHBOUND		STATE OF MAINE	
		8239E (STATE ROUTE 703)		DEPARTMENT OF TRANSPORTATION	
SOUTH PORTLAND CUMBERLAND COUNTY		BRIDGE PHASING		IM-1792(910)E	
PLAN		BRIDGE NO. 6273		PIN 17929.10	
		BRIDGE PLANS			



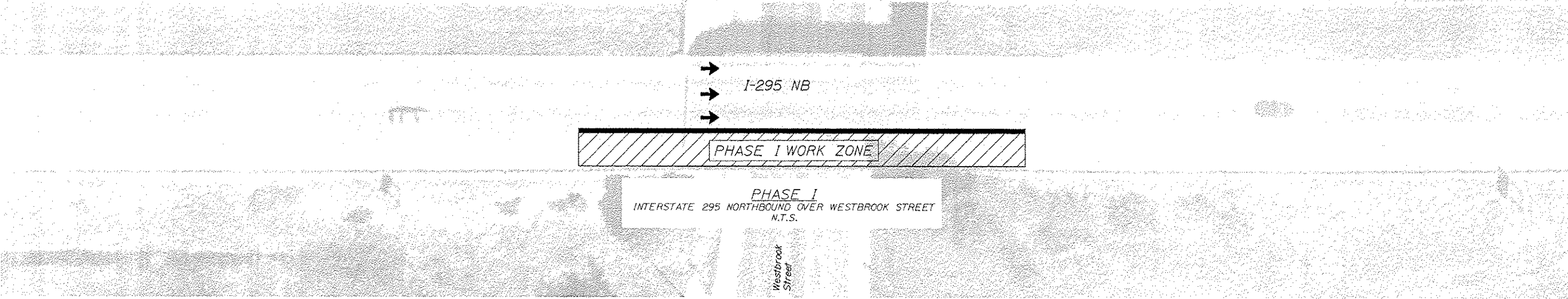
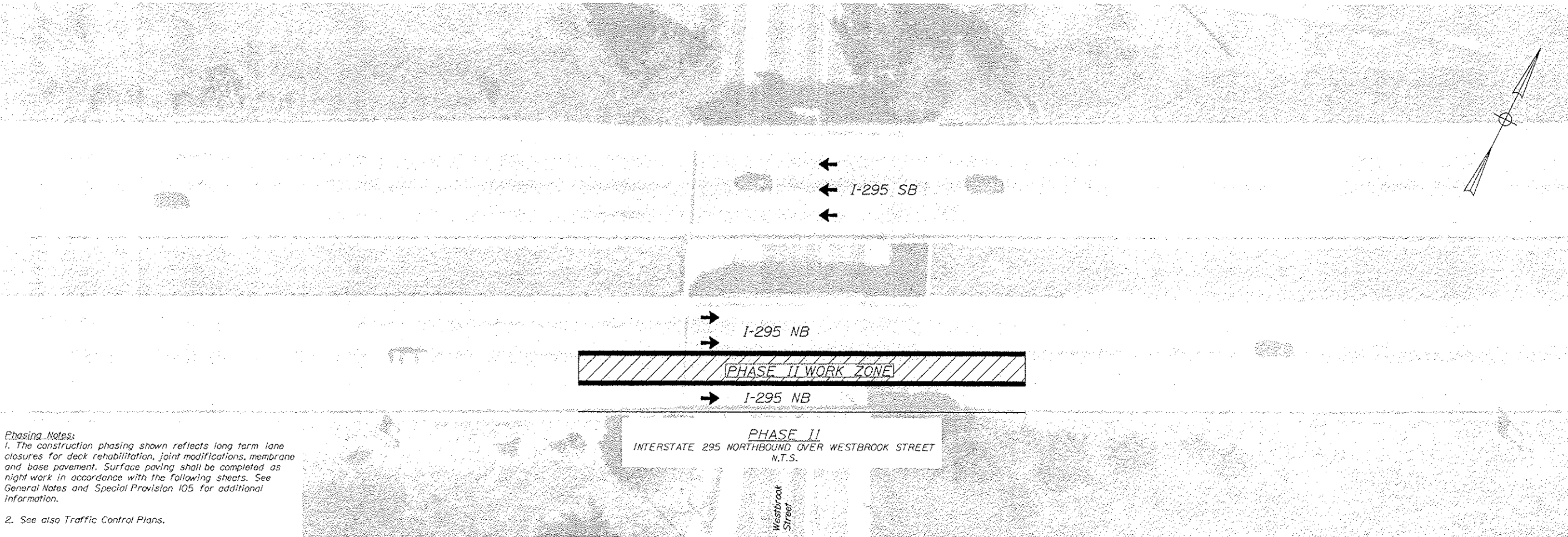
NOTE:

1. Sections are shown looking upstation.
2. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

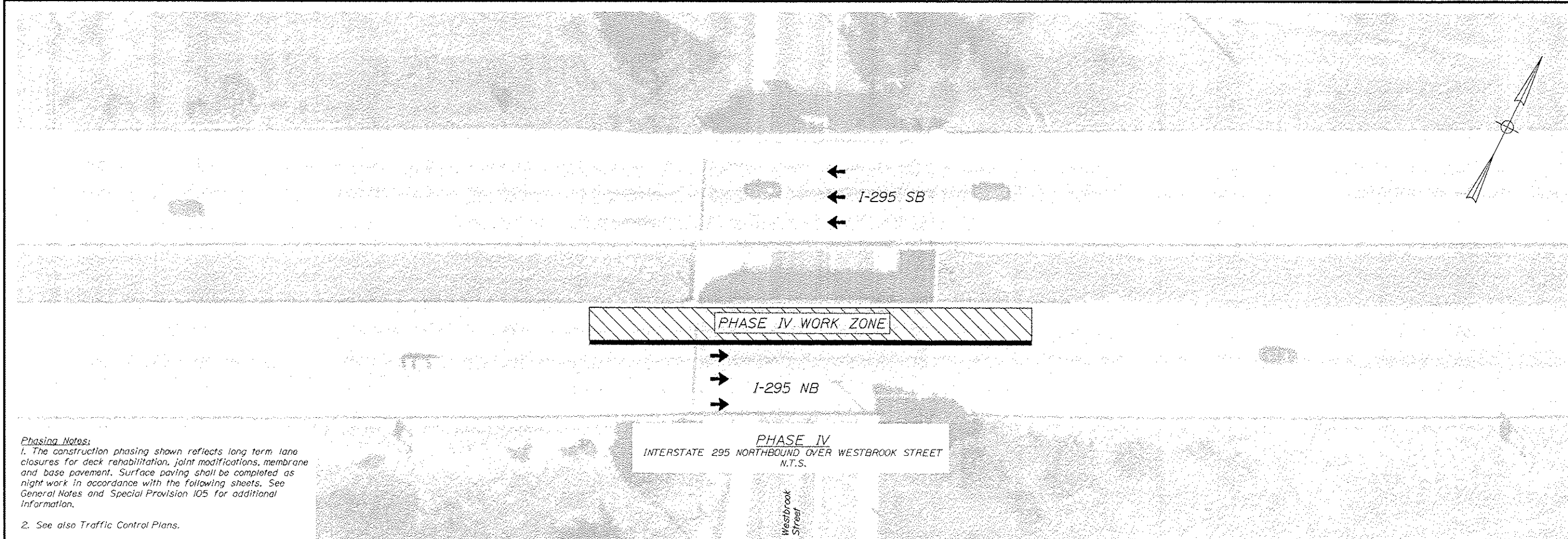
PHASE III
INTERSTATE 295 NORTHBOUND OVER 8239E (STATE ROUTE 703)
N.T.S.

SHEET NUMBER				30				OF 111					
INTERSTATE 295 NORTHBOUND 8239E (STATE ROUTE 703) SOUTH PORTLAND CUMBERLAND COUNTY BRIDGE PHASING TYPICAL SECTION				PROJ. MANAGER	DOE	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E					
				DESIGN-DETAILED	RIH	MPC	12/11						
				CHECKED-REVIEWED	DOE	IRC	12/11						
				DESIGN-DETAILED2	-	-	-						
				DESIGN-DETAILED3	-	-	-						
				REVISIONS 1				P.E. NUMBER					
				REVISIONS 2				DATE					
				REVISIONS 3									
				REVISIONS 4									
				FIELD CHANGES									
				BRIDGE NO. 6273				PIN		17929.10		BRIDGE PLANS	

Phasing Notes:
1. The construction phasing shown reflects long term lane closures for deck rehabilitation, joint modifications, membrane and base pavement. Surface paving shall be completed as night work in accordance with the following sheets. See General Notes and Special Provision 105 for additional information.
2. See also Traffic Control Plans.



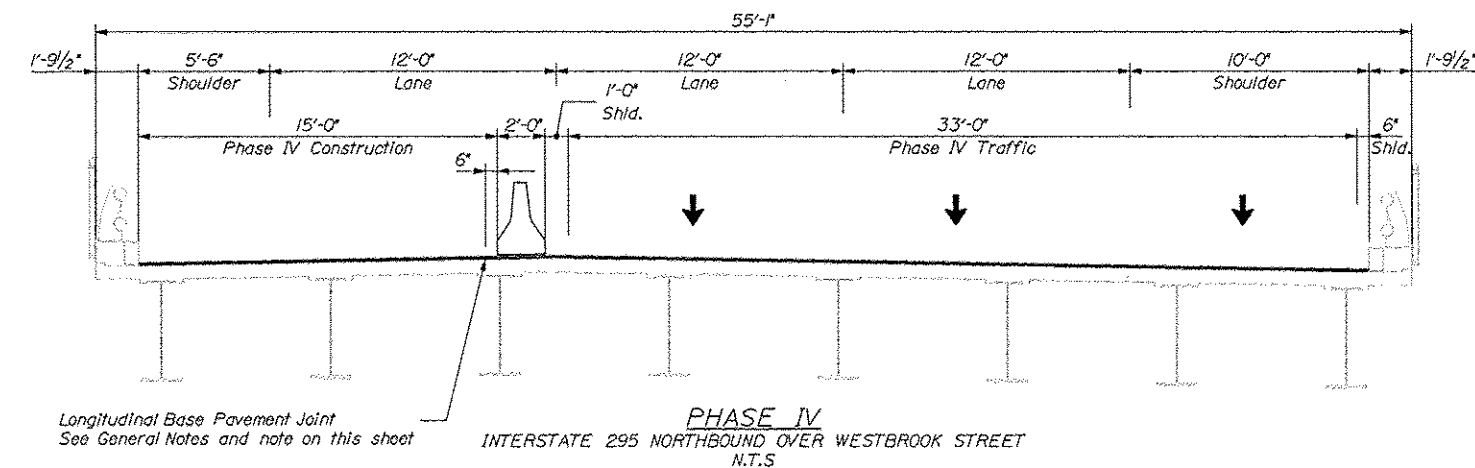
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E BRIDGE NO 6249 PIN 17929.10 BRIDGE PLANS				
	PROJ. MANAGER	DESIGN DETAIL	DATE	SIGNATURE
	CHECKED/REVIEWED	DATE	DATE	P.E. NUMBER
INTERSTATE 295 NORTHBOUND WESTBROOK STREET SOUTH PORTLAND CUMBERLAND COUNTY	DESIGN DETAIL	DATE	DATE	DATE
BRIDGE PHASING PLAN	REVISIONS 1	DATE	DATE	DATE
	REVISIONS 2	DATE	DATE	DATE
	REVISIONS 3	DATE	DATE	DATE
	REVISIONS 4	DATE	DATE	DATE
	FIELD CHANGES	DATE	DATE	DATE
SHEET NUMBER				
31				
OF 111				



Phasing Notes:
1. The construction phasing shown reflects long term lane closures for deck rehabilitation, joint modifications, membrane and base pavement. Surface paving shall be completed as night work in accordance with the following sheets. See General Notes and Special Provision 105 for additional information.

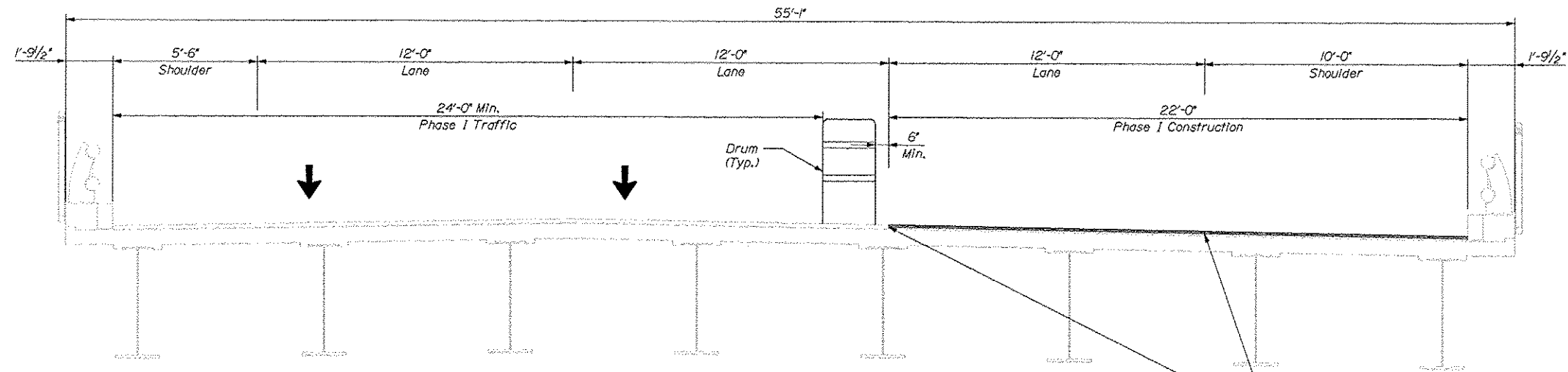
2. See also *Traffic Control Plans*.

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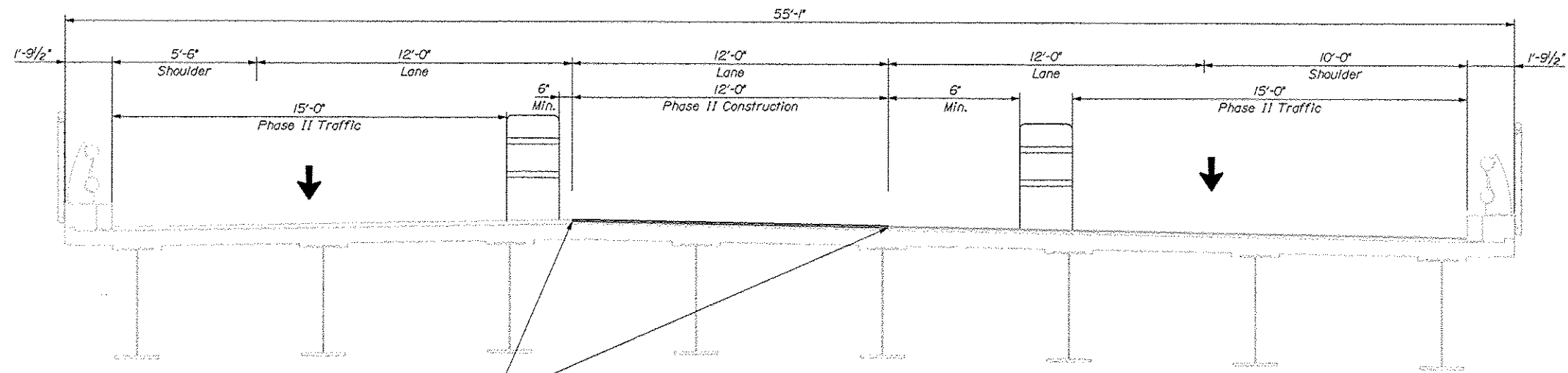
NOTE:
1. Phasing shown for deck rehabilitation, joint modifications, membrane and base pavement. Surface paving shall be completed as night work. See next sheet.
2. Sections are shown looking upstation.

SHEET NUMBER 33 OF 111	INTERSTATE 295 NORTHBOUND										PROJ. MANAGER		DOE	BY	DATE	STATE OF MAINE
	WESTBROOK STREET										DESIGN-DETAILED	ERH	APC	12/11	SIGNATURE	
	SOUTH PORTLAND CUMBERLAND COUNTY										DESIGN-APPROVED	DOE	TRC	12/11		IM-1792(910)E
	BRIDGE PHASING										DESIGN-RETRACED				P.E. NUMBER	
	TYPICAL SECTION										REVISIONS 1	-				DATE
											REVISIONS 2	-			BRIDGE NO. 6249	
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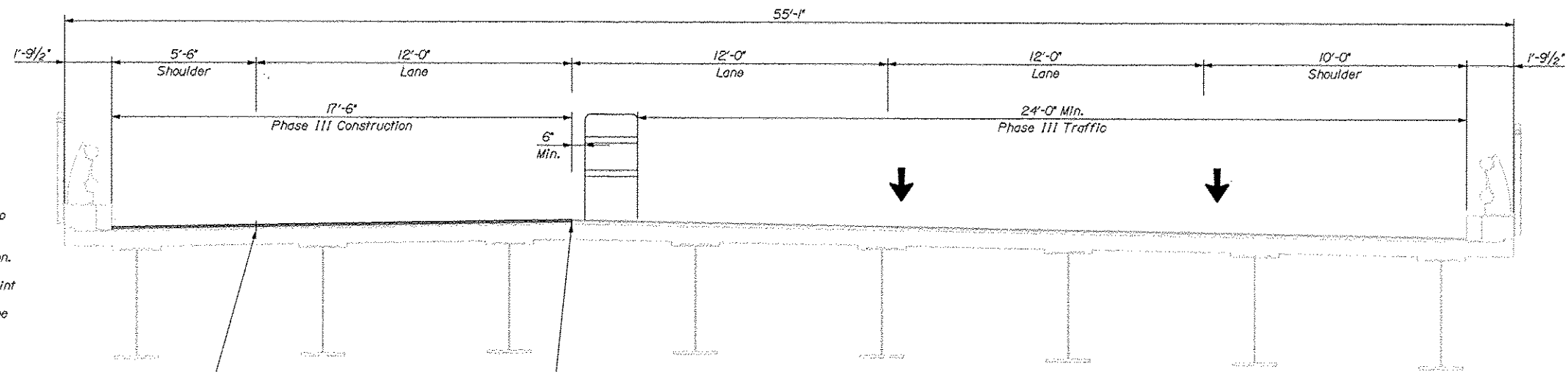
PHASE I
INTERSTATE 295 NORTHBOUND OVER WESTBROOK STREET
N.T.S.

Longitudinal surface pavement joint.
See General Notes and note on
this sheet.



PHASE II
INTERSTATE 295 NORTHBOUND OVER WESTBROOK STREET
N.T.S.

Longitudinal surface pavement joint.
See General Notes and note on
this sheet.



PHASE III
INTERSTATE 295 NORTHBOUND OVER WESTBROOK STREET
N.T.S.

Optional longitudinal surface
pavement joint. See General
Notes and notes on this sheet.

Longitudinal surface pavement joint.
See General Notes and note on
this sheet.

- NOTE:
1. Phasing shown for surface paving to be completed as night work.
 2. Sections are shown looking upstation.
 3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

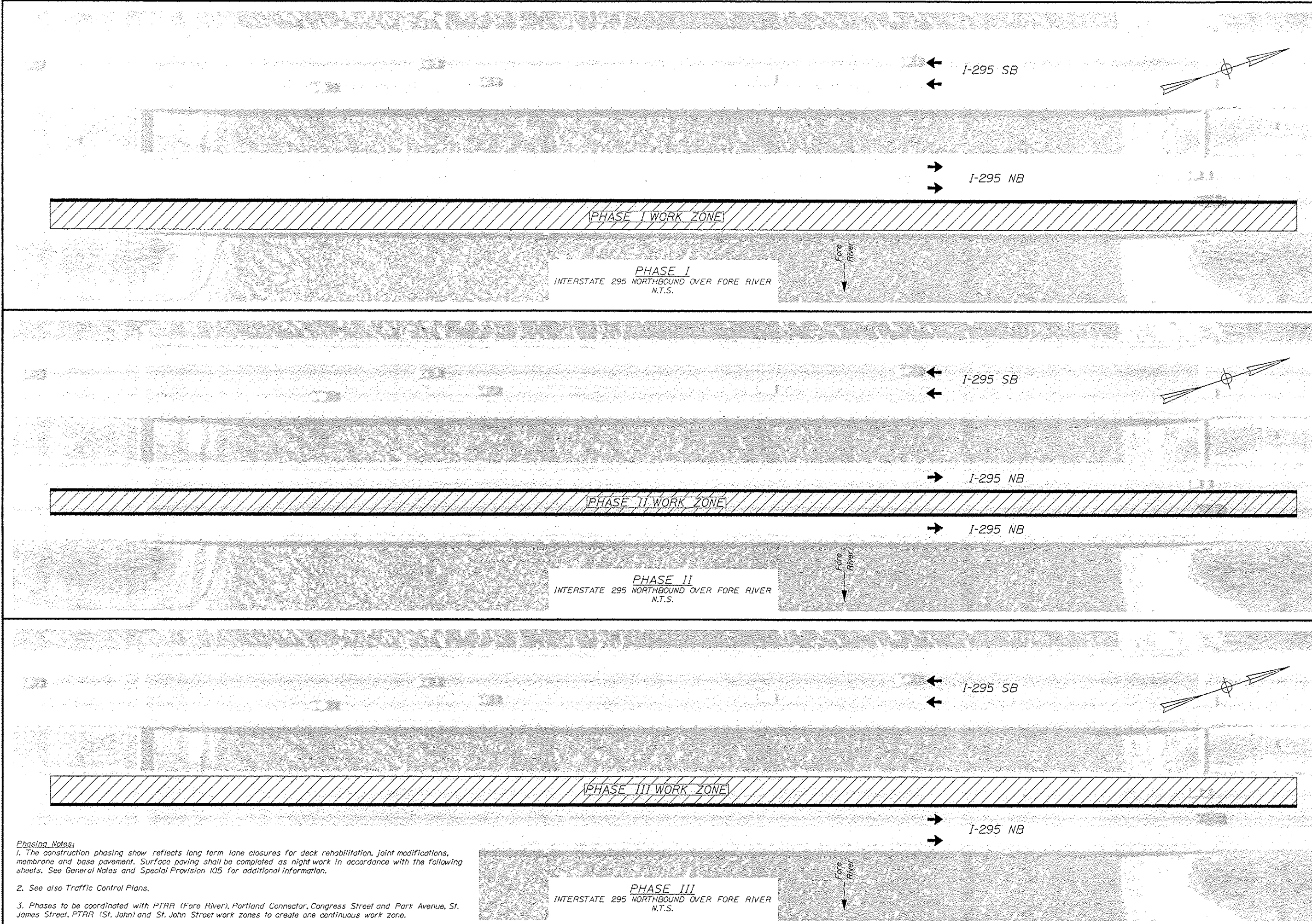
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
IM-1792(910)E	
BRIDGE NO. 6249	PIN 17929.10
	BRIDGE PLANS

DATE	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
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INTERSTATE 295 NORTHBOUND
WESTBROOK STREET
SOUTH PORTLAND CUMBERLAND COUNTY
BRIDGE PHASING
TYPICAL SECTION

SHEET NUMBER

34



Phasing Notes:

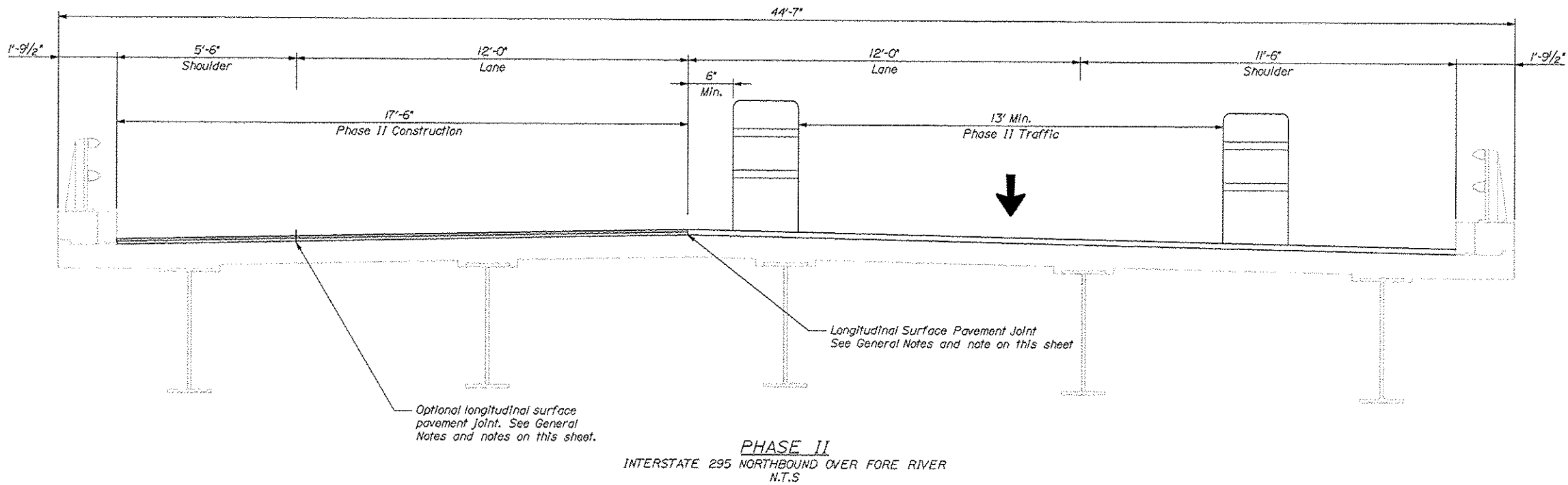
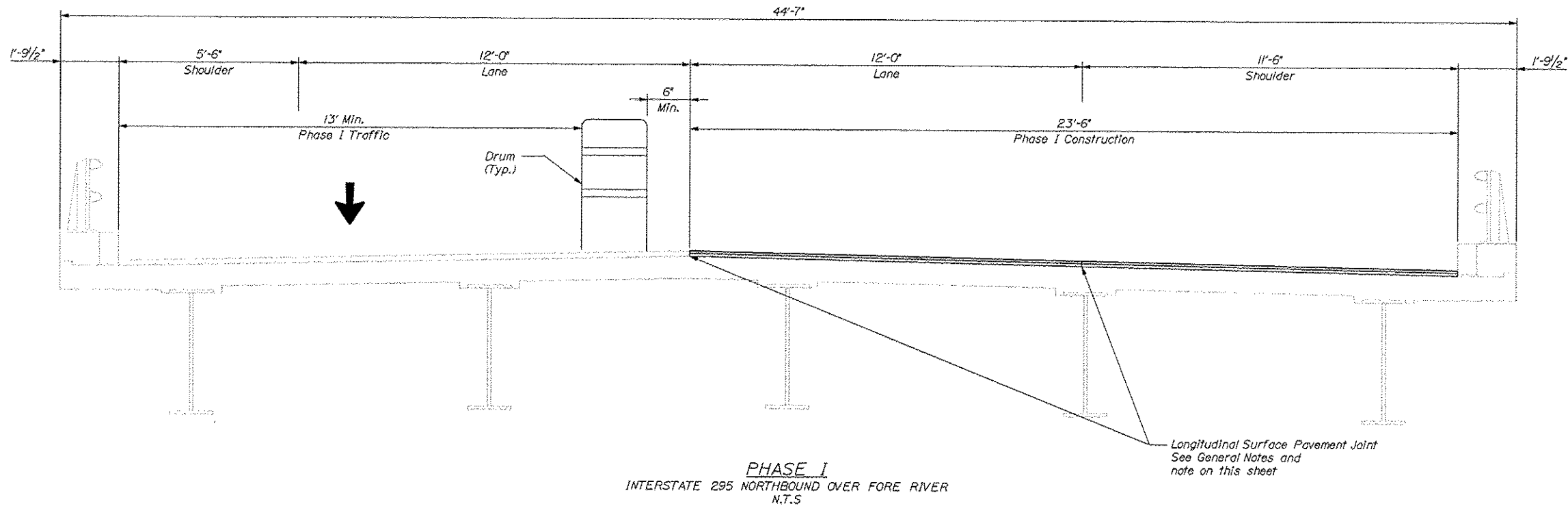
1. The construction phasing show reflects long term lane closures for deck rehabilitation, joint modifications, membrane and base paving. Surface paving shall be completed as night work in accordance with the following sheets. See General Notes and Special Provision 105 for additional information.

2. See also Traffic Control Plans.

3. Phases to be coordinated with PTRR (Fore River), Portland Connector, Congress Street and Park Avenue, St. James Street, PTRR (St. John) and St. John Street work zones to create one continuous work zone.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	BRIDGE NO. 0281	PIN 17929.10	BRIDGE PLANS																																				
<table><tr><td>PROJ. MANAGER</td><td>DATE</td><td>BY</td><td>DATE</td></tr><tr><td>DESIGN-DETAILED</td><td>12/11</td><td>MFC</td><td>12/11</td></tr><tr><td>CHECKED-REVIEWED</td><td></td><td>TRC</td><td></td></tr><tr><td>DESIGN-DETAILED</td><td></td><td></td><td></td></tr><tr><td>REVISIONS 1</td><td></td><td></td><td></td></tr><tr><td>REVISIONS 2</td><td></td><td></td><td></td></tr><tr><td>REVISIONS 3</td><td></td><td></td><td></td></tr><tr><td>REVISIONS 4</td><td></td><td></td><td></td></tr><tr><td>FIELD CHANGES</td><td></td><td></td><td></td></tr></table>				PROJ. MANAGER	DATE	BY	DATE	DESIGN-DETAILED	12/11	MFC	12/11	CHECKED-REVIEWED		TRC		DESIGN-DETAILED				REVISIONS 1				REVISIONS 2				REVISIONS 3				REVISIONS 4				FIELD CHANGES			
PROJ. MANAGER	DATE	BY	DATE																																				
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FIELD CHANGES																																							
INTERSTATE 295 NORTHBOUND FORE RIVER PORTLAND CUMBERLAND COUNTY BRIDGE PHASING PLAN																																							
SHEET NUMBER 35 OF 111																																							

36 OF 111	SHEET NUMBER	INTERSTATE 295 NORTHBOUND FORE RIVER PORTLAND CUMBERLAND COUNTY BRIDGE PHASING TYPICAL SECTION										PROJ. MANAGER				DATE	BY	QCE	UQC	TAC	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	BRIDGE NO. 6281 PIN 17929.10 BRIDGE PLANS
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REVISIONS 1																							
REVISIONS 2																							
REVISIONS 3																							
										REVISIONS 4					DATE								
										FIELD CHANGES													



NOTES:

1. Phasing shown for surface paving to be completed as night work.

2. Sections are shown looking upstation.

3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

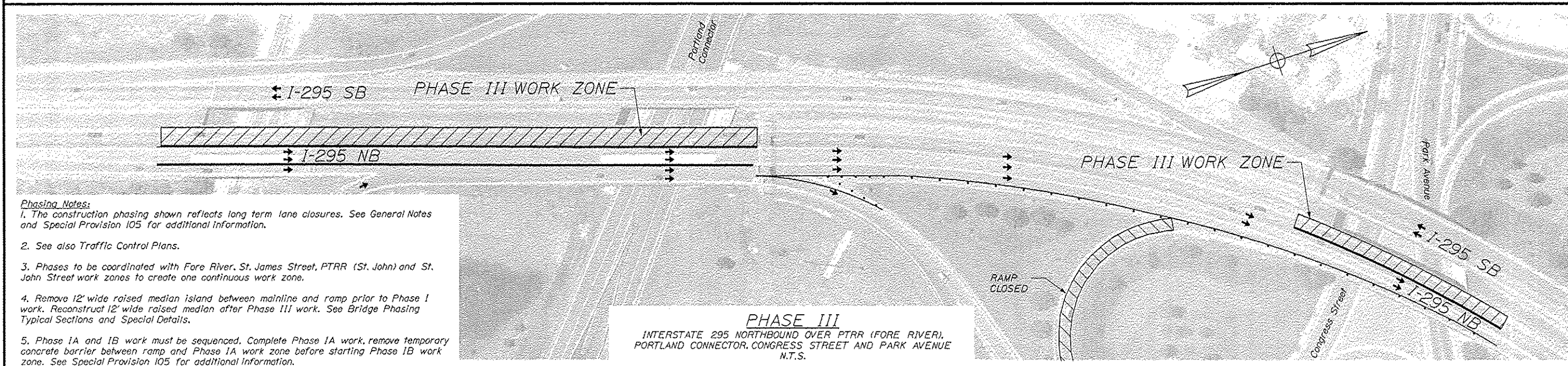
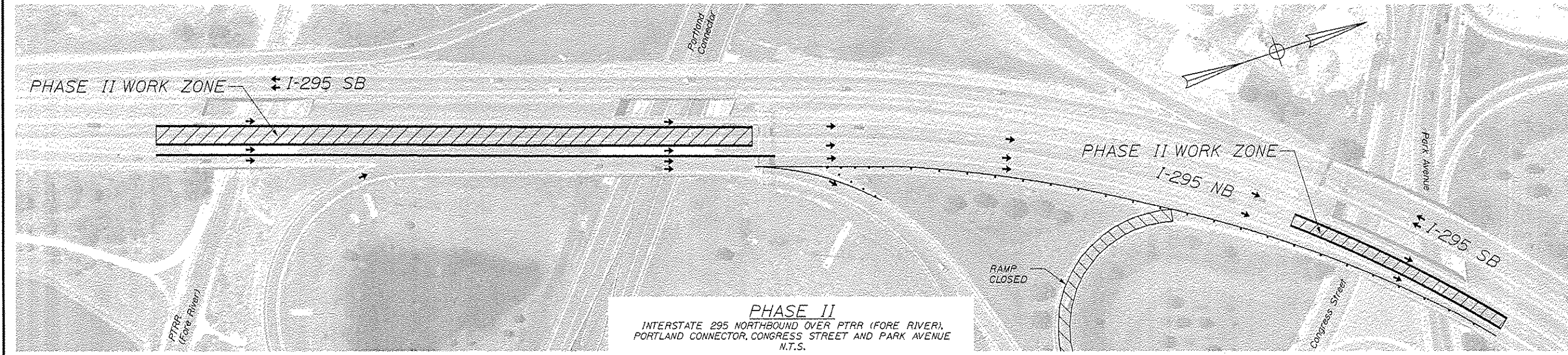
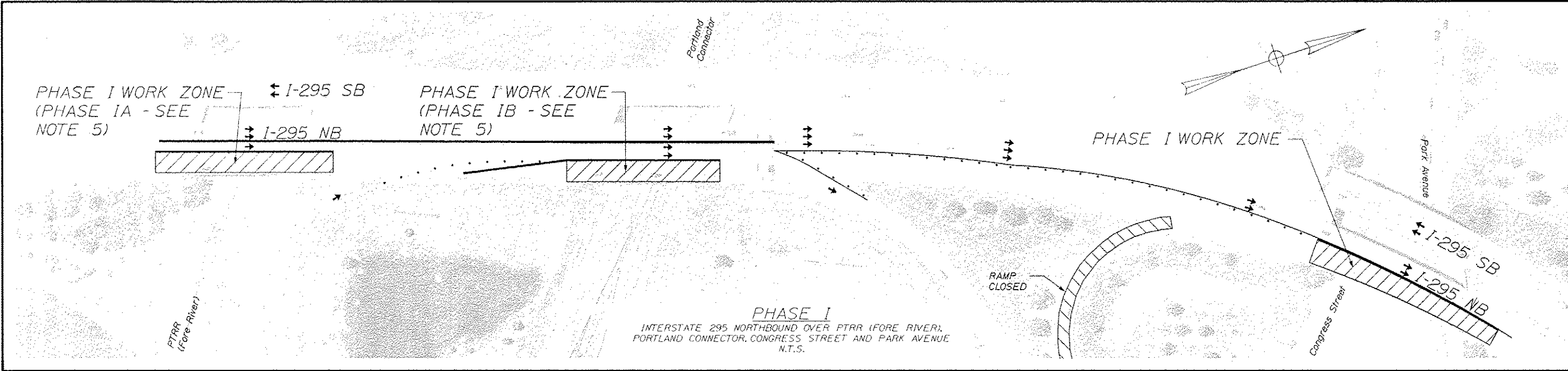
STATE OF MAINE	BRIDGE NO. 6281	PIN	17929.10	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	IM-1792(910)E			

DATE	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE

DESIGN-DETAILED	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
CHECKED-REVIEWED	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
REVISIONS 1	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
REVISIONS 2	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
REVISIONS 3	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
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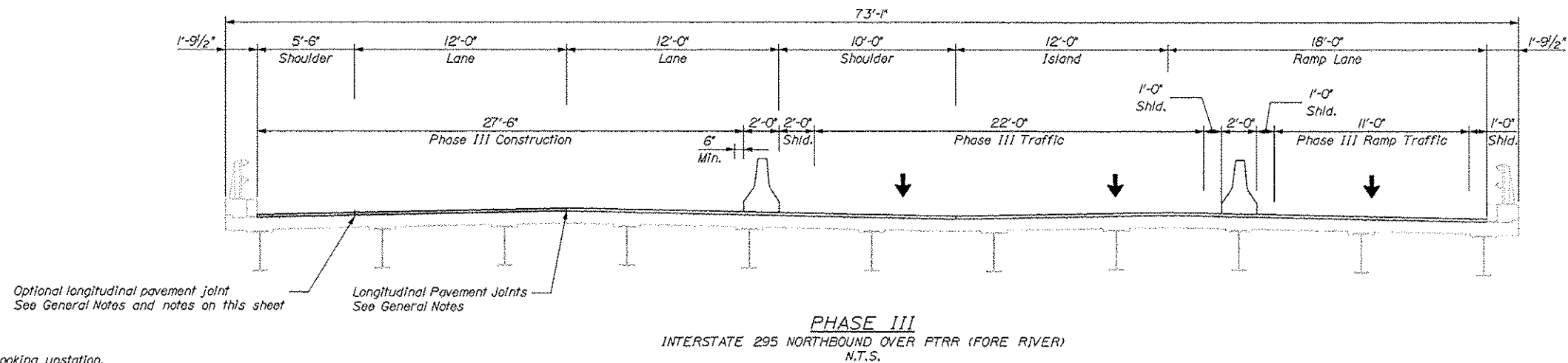
INTERSTATE 295 NORTHBOUND	FORE RIVER	CUMBERLAND COUNTY
PORTLAND	BRIDGE PHASING	TYPICAL SECTION

SHEET NUMBER	37	OF 111
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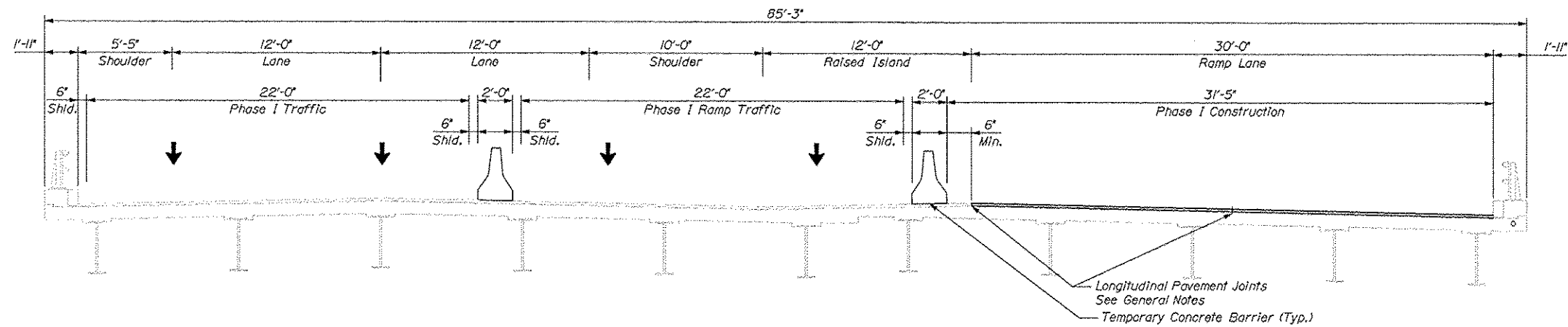


- Phasing Notes:**
1. The construction phasing shown reflects long term lane closures. See General Notes and Special Provision 105 for additional information.
 2. See also Traffic Control Plans.
 3. Phases to be coordinated with Fore River, St. James Street, PTRR (St. John) and St. John Street work zones to create one continuous work zone.
 4. Remove 12' wide raised median island between mainline and ramp prior to Phase I work. Reconstruct 12' wide raised median after Phase III work. See Bridge Phasing Typical Sections and Special Details.
 5. Phase 1A and 1B work must be sequenced. Complete Phase 1A work, remove temporary concrete barrier between ramp and Phase 1A work zone before starting Phase 1B work zone. See Special Provision 105 for additional information.

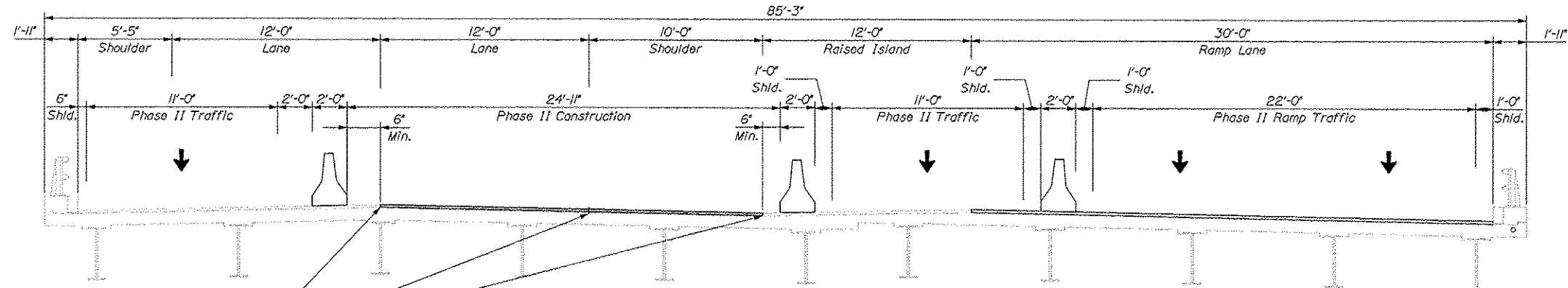
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. 6291, 6292, 6294		PIN 17929.10		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND PTRR (FORE RIVER), PORTLAND CONNECTOR, CONGRESS STREET AND PARK AVENUE PORTLAND CUMBERLAND COUNTY		DATE		BY		DOE		P.E. NUMBER		DATE	
		12/11		MPC		RWH		SIGNATURE			
		12/11		TRC		DOE		P.E. NUMBER			
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BRIDGE PHASING PLAN		SHEET NUMBER		38		OF 111					



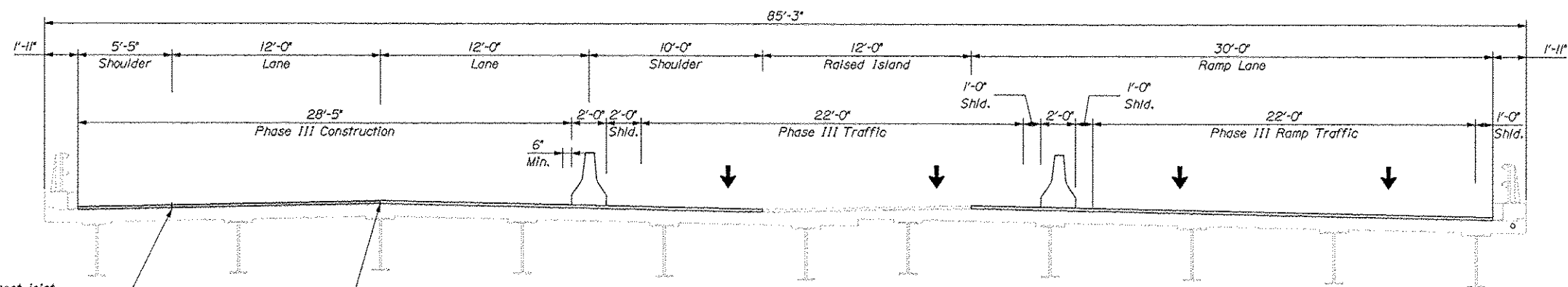
- NOTES:
1. Sections are shown looking upstation.
 2. Prior to implementation of Phase I, the 12'-0" raised median island shall be removed. See Special Details.
 3. Upon completion of Phase III, the 12'-0" raised median island shall be reconstructed. See Special Details.
 4. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed fullwidth if the Contractor's equipment permits.



PHASE I
INTERSTATE 295 NORTHBOUND OVER PORTLAND CONNECTOR
N.T.S.



PHASE II
INTERSTATE 295 NORTHBOUND OVER PORTLAND CONNECTOR
N.T.S.



PHASE III
INTERSTATE 295 NORTHBOUND OVER PORTLAND CONNECTOR
N.T.S.

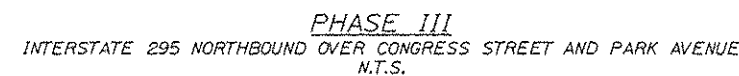
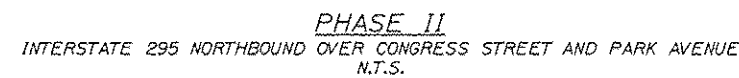
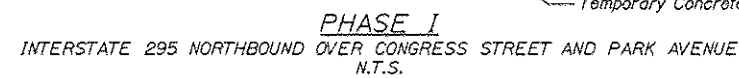
Optional longitudinal pavement joint
See General Notes and notes on this sheet

Longitudinal Pavement Joints
See General Notes

NOTES:

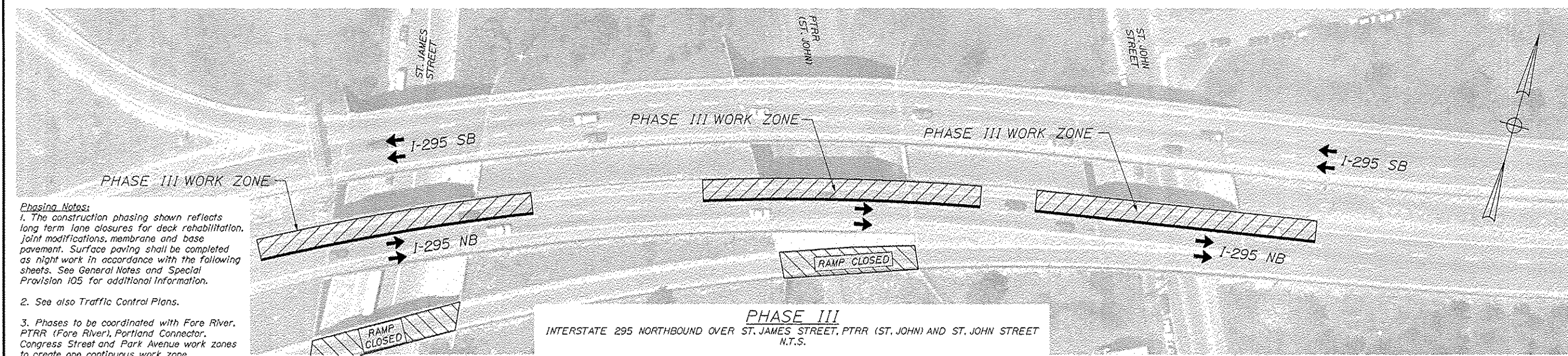
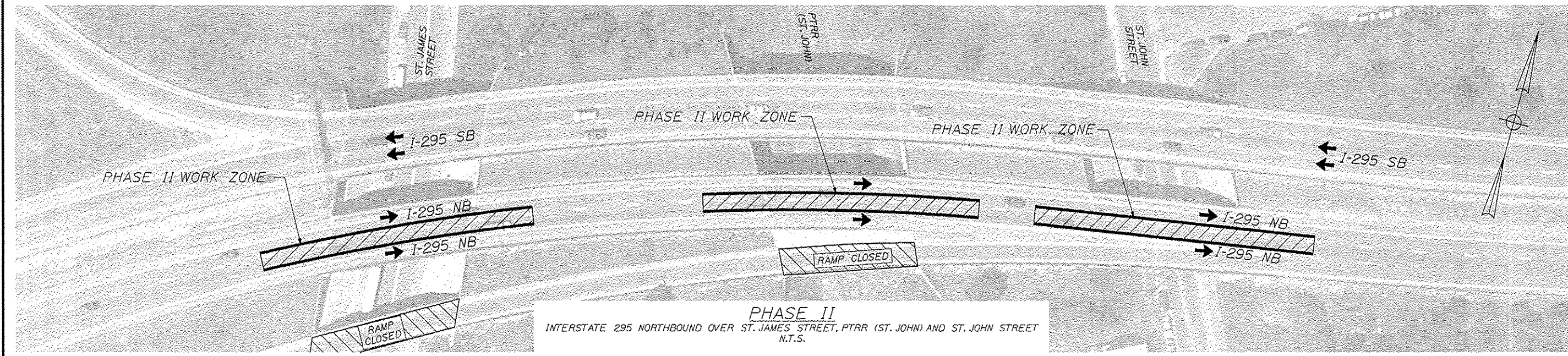
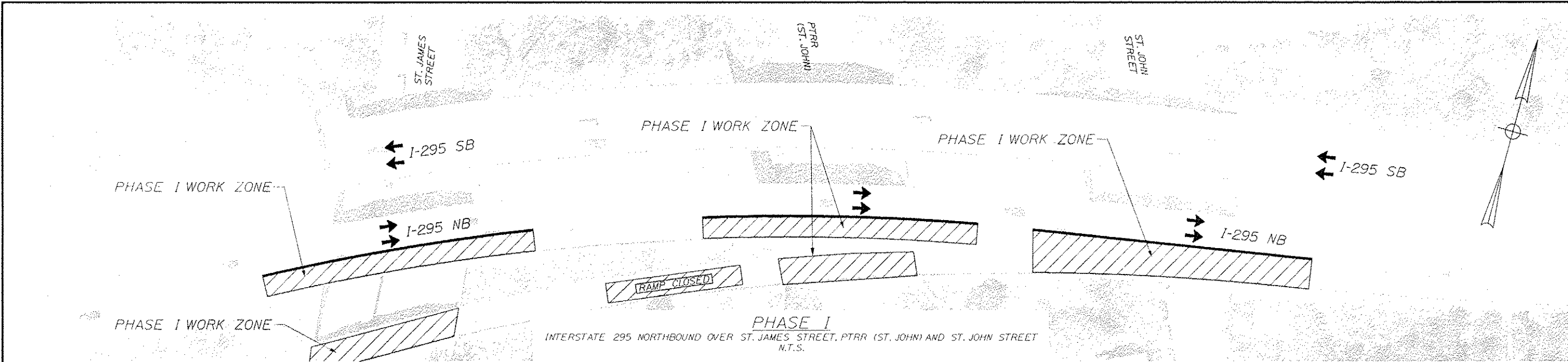
1. Sections are shown looking upstation
2. Prior to implementation of Phase I, the 12'-0" raised median island shall be removed. See Special Details.
3. Upon completion of Phase III, the 12'-0" raised median island shall be reconstructed. See Special Details.
4. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

SHEET NUMBER 40 OF 111	INTERSTATE 295 NORTHBOUND PORTLAND CONNECTOR PORTLAND CUMBERLAND COUNTY BRIDGE PHASING TYPICAL SECTION	PROJ. MANAGER	DOE	BY	DATE
		DESIGN-DETAILED	RMH	UPC	12/31
		CHECKED-REVIEWER	DOE	IRC	12/31
		DESIGN-DETAILED			
		DESIGN-DETAILED			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
STATE OF MAINE					
DEPARTMENT OF TRANSPORTATION					
IM-1792(910)E					
P.E. NUMBER					
DATE					
BRIDGE NO. 6292		PIN		17929.10	
BRIDGE PLANS					



- NOTES:
1. Sections are shown looking upstation
 2. Prior to implementation of Phase I, the 12'-0" raised median island shall be removed. See Special Details.
 3. Upon completion of Phase III, the 12'-0" raised median island shall be reconstructed. See Special Details.
 4. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

SHEET NUMBER		INTERSTATE 295 NORTHBOUND		PROJ. MANAGER		DOE	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	
41		CONGRESS STREET AND PARK AVENUE PORTLAND CUMBERLAND COUNTY		DESIGN-DETAILED		RAH	MPC	12/11		
				CHECKED-REVIEWED		DOE	TRC	12/11		
				DESIGN-DETAILED		DOE				
OF 111		BRIDGE PHASING TYPICAL SECTION		DESIGN-DETAILED		DOE			SIGNATURE	
				REVISIONS 1					P.E. NUMBER	
				REVISIONS 2						
				REVISIONS 3						
				REVISIONS 4					DATE	
				FIELD CHANGES						
										BRIDGE NO. 6294
										PIN
										17923.10
										BRIDGE PLANS



Phasing Notes:

1. The construction phasing shown reflects long term lane closures for deck rehabilitation, joint modifications, membrane and base pavement. Surface paving shall be completed as night work in accordance with the following sheets. See General Notes and Special Provision 105 for additional information.

2. See also Traffic Control Plans.

3. Phases to be coordinated with Fore River, PTRR (Fore River), Portland Connector, Congress Street and Park Avenue work zones to create one continuous work zone.

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
IM-1792(910)E	
BRIDGE NO. 6295, 6296, 6297	PIN 17929.10
	BRIDGE PLANS

PROJ. MANAGER	DESIGN DETAIL	CHECKED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE

INTERSTATE 295 NORTHBOUND
ST. JAMES STREET, PTRR (ST. JOHN)
AND ST. JOHN STREET
PORTLAND AND CUMBERLAND COUNTY
BRIDGE PHASING
PLAN

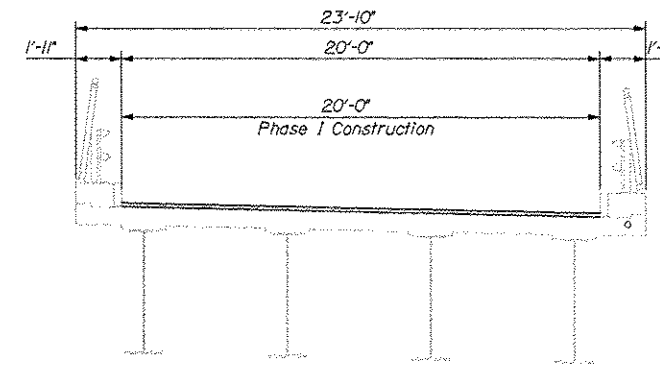


Diagram of a ramp with dimensions: 23'-10" total length, 20'-0" ramp length, and 1'-11" ramp width. The ramp is labeled "Ramp Closed".

Diagram of a rectangular structure with dimensions and labels:

- Top width: $23'-10"$
- Inner top width: $20'-0"$
- Inner bottom width: $20'-0"$
- Label: *Ramp Closed*
- Left side height: $1'-11"$
- Right side height: $1'$
- Left side slope: $32'$
- Right side slope: $32'$
- Bottom width: $20'-0"$
- Bottom label: *Ramp Closed*
- Bottom right corner label: $6'$

43'-3"

1'-11" 5'-5" Shld 12'-0" Lane 12'-0" Lane 10'-0" Shoulder 1'-11"

14'-6" Phase III Constructoin 2'-0" Phase III Traffic 6" Shld.

3" 5" Shld.

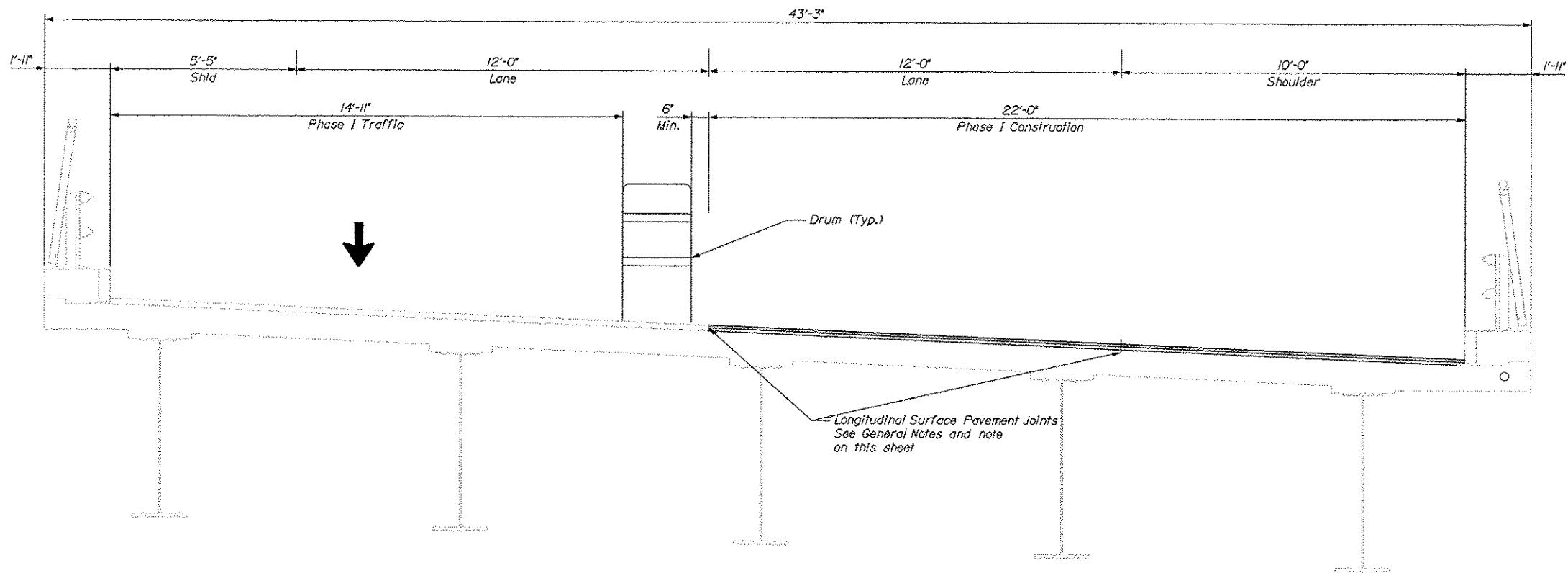
Longitudinal Base Pavement Joints
See General Notes and note
on this sheet

PHASE III
INTERSTATE 295 NORTHBOUND OVER ST. JAMES STREET

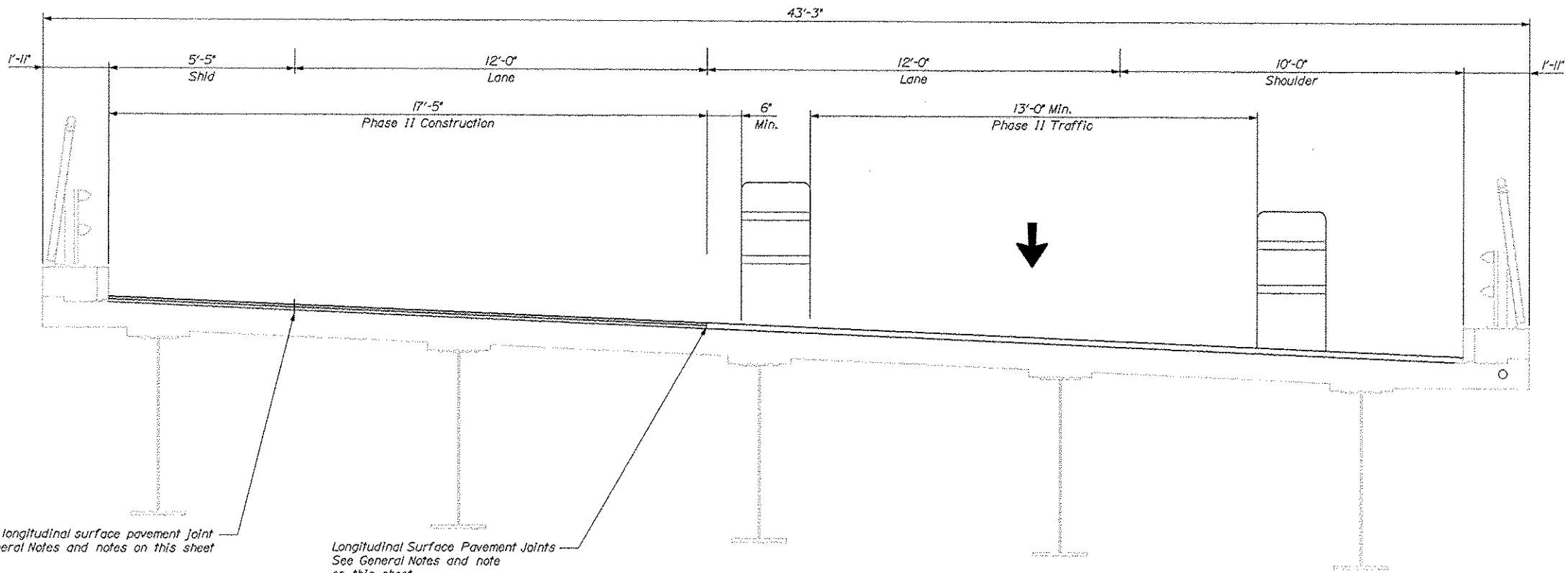
for deck rehabilitation, joint

NOTES:
1. Phasing shown for deck rehabilitation, joint modifications, membrane and base pavement. Surface paving shall be completed as night work. See next sheet.
2. Sections are shown looking upstation.

SHEET NUMBER			INTERSTATE 295 NORTHBOUND				PROJ. MANAGER			DOE	BY	DATE	STATE OF MAINE	
43			ST. JAMES STREET				DESIGN-DETAILED	SAH	MPC	12/11	SIGNATURE			DEPARTMENT OF TRANSPORTATION
			PORTLAND CUMBERLAND COUNTY				CARRICO-RENTARS	DOE	TRC	12/11				
			BRIDGE PHASING				DESIGN-DETAILED	-	-	-	P.E. NUMBER			
			TYPICAL SECTION				DESIGN-DETAILED	-	-	-				
							REVISIONS 1	-	-	-	DATE			
				REVISIONS 2	-	-	-							
				REVISIONS 3	-	-	-							
				REVISIONS 4	-	-	-	BRIDGE NO. 6295			PIN 17929.10		BRIDGE PLANS	
				FIELD CHANGES	-	-	-							



PHASE I
INTERSTATE 295 NORTHBOUND OVER ST. JAMES STREET



PHASE II
INTERSTATE 295 NORTHBOUND OVER ST. JAMES STREET

NOTES:

1. Phasing shown for surface paving to be completed as night work.
2. Sections are shown looking upstation.
3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

STATE OF MAINE	BRIDGE NO. 6295	PIN	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	IM-1792(910)E	17929.10	

DATE	BY	DOE	DATE	SIGNATURE	P.E. NUMBER	DATE
12/21/11	LPC	TRC	12/21/11			
12/21/11			12/21/11			
12/21/11			12/21/11			
12/21/11			12/21/11			
12/21/11			12/21/11			
12/21/11			12/21/11			
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12/21/11			12/21/11			
12/21/11			12/21/11			

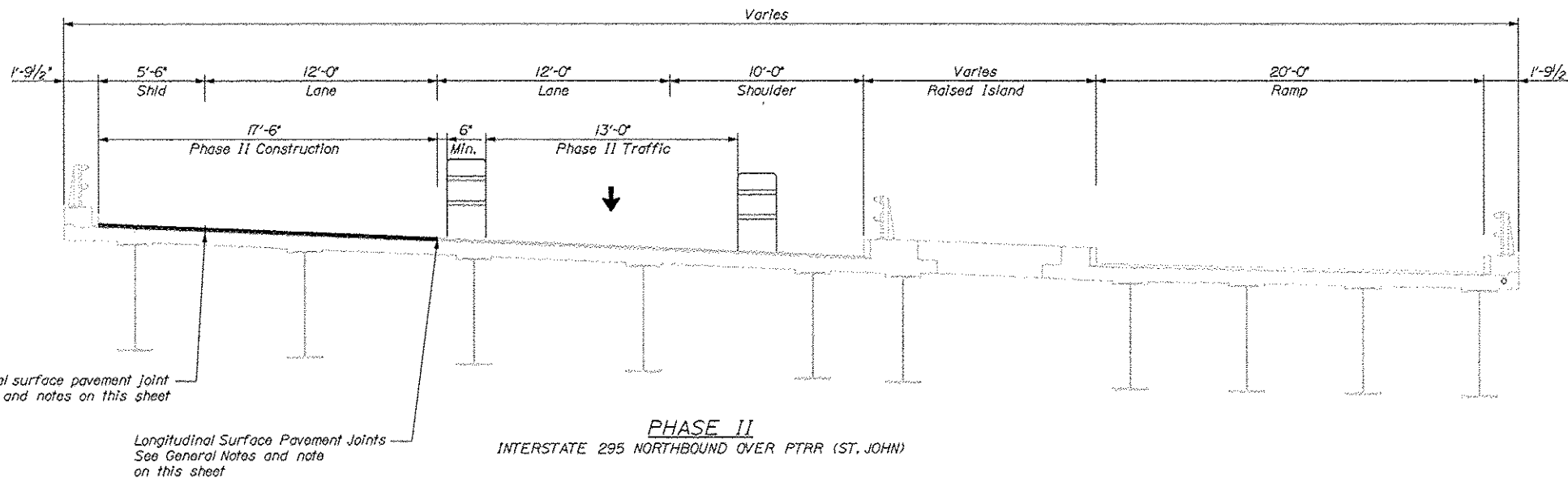
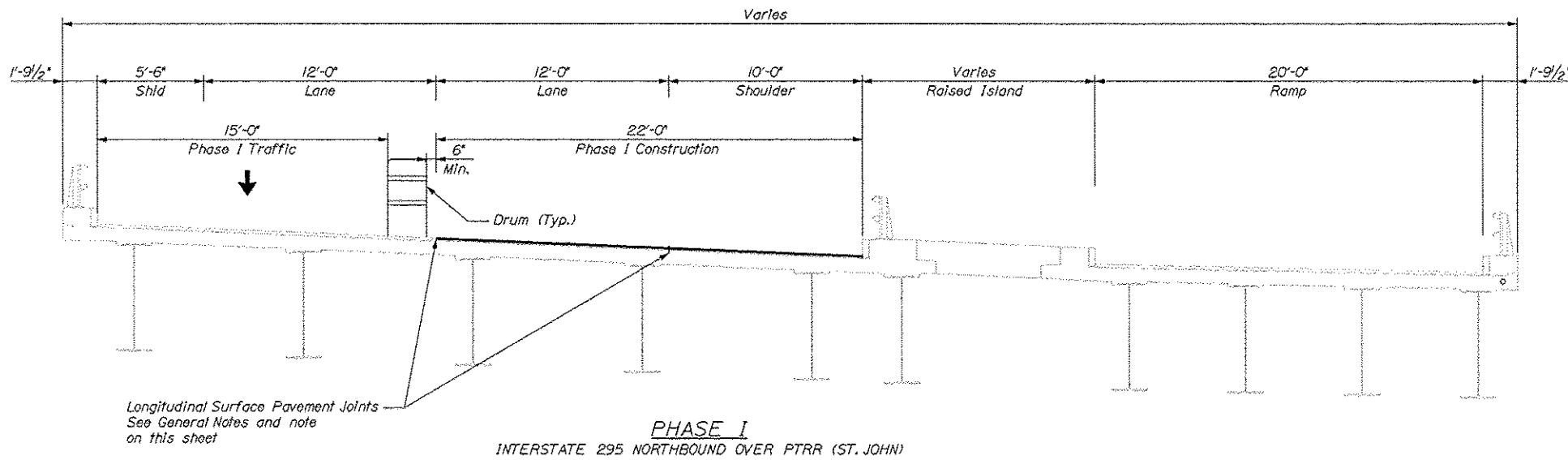
INTERSTATE 295 NORTHBOUND	ST. JAMES STREET
PORTLAND	CUMBERLAND COUNTY
BRIDGE PHASING	
TYPICAL SECTION	

SHEET NUMBER
44
OF 111



NOTES:
1. Phasing shown for deck rehabilitation, joint modifications, membrane and base pavement. Surface paving shall be completed as night work. See next sheet.
2. Sections are shown looking upstation.

SHEET NUMBER
45
OF 111



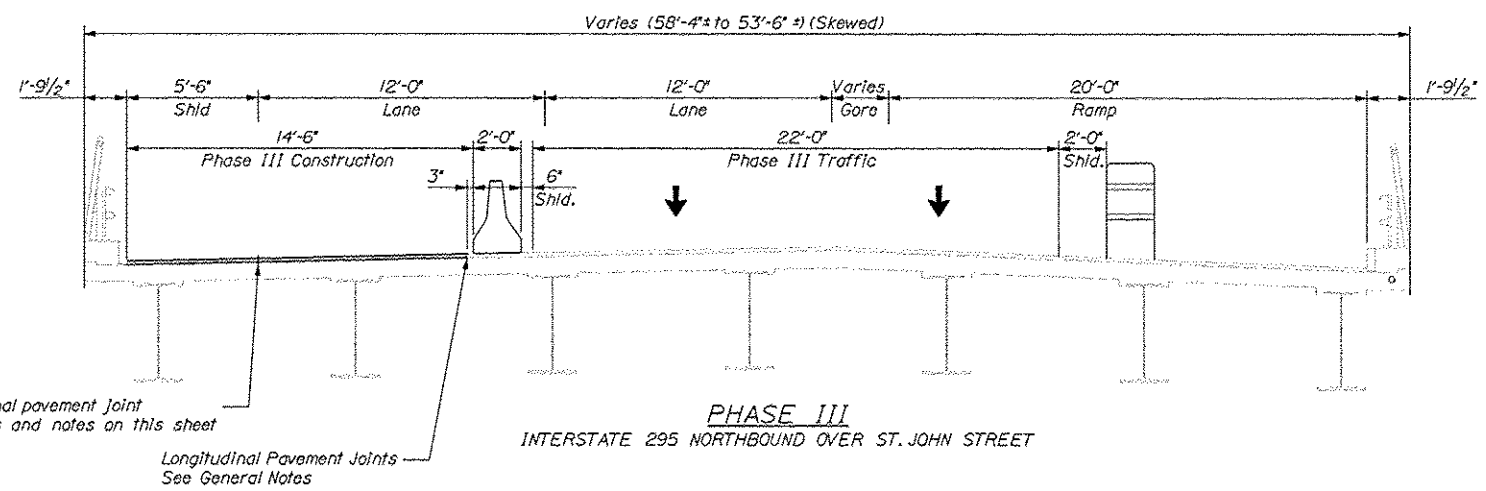
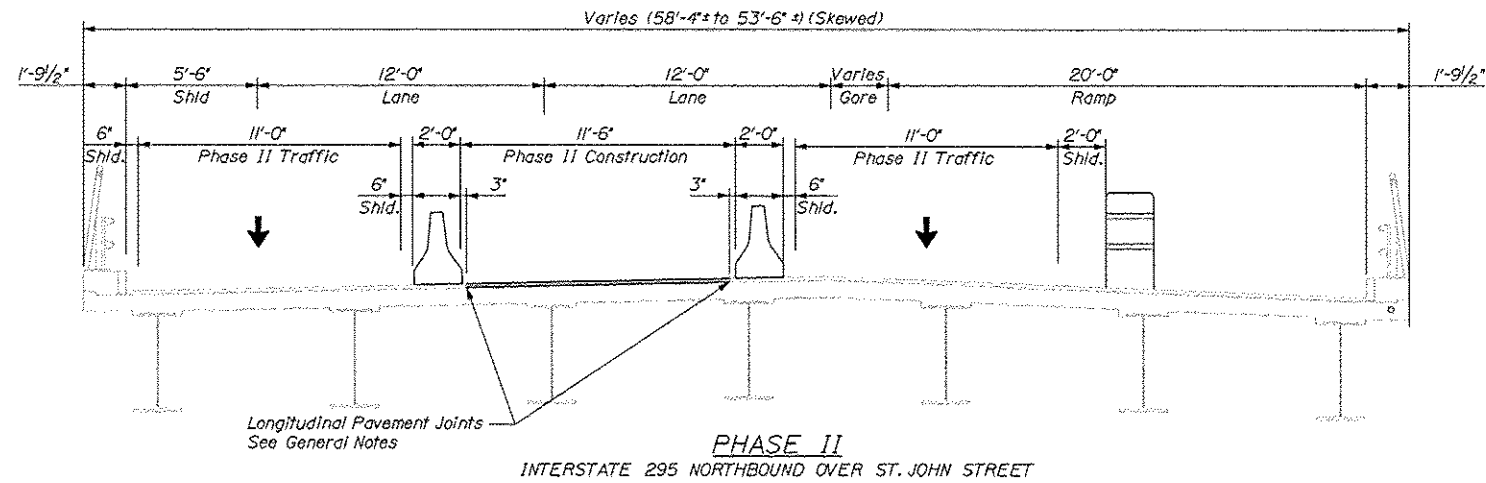
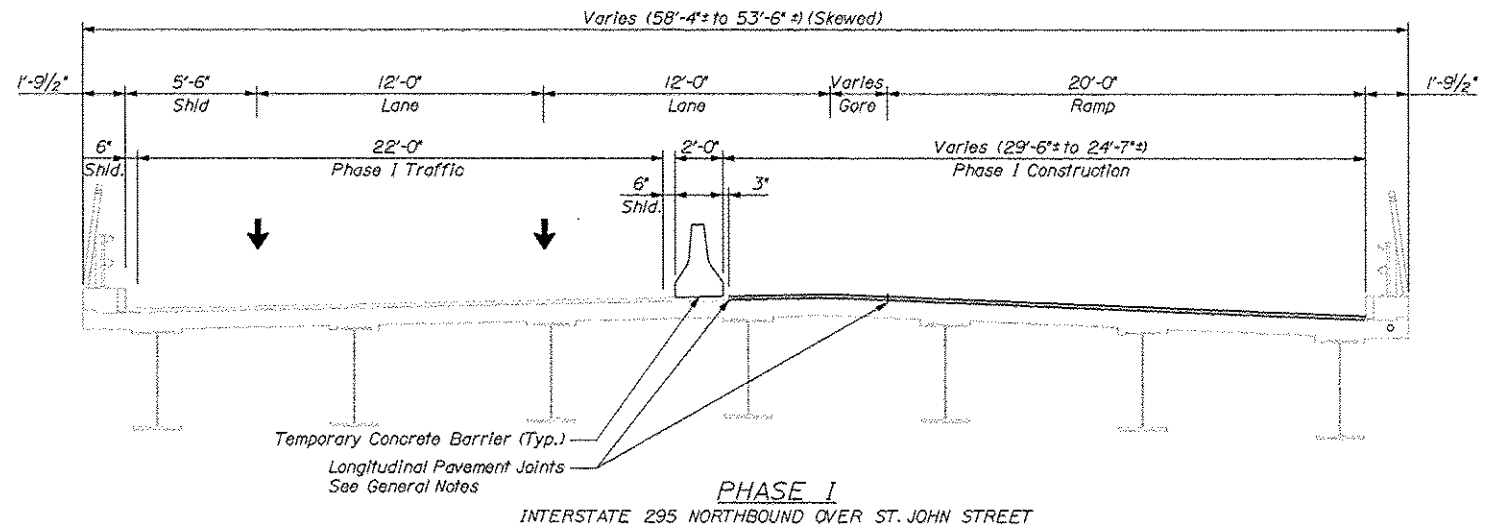
- NOTES:
1. Phasing shown for surface paving to be completed as night work.
 2. Sections are shown looking upstation.
 3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
IM-1792(910)E	
BRIDGE NO. 6296	PIN 17923.10
	BRIDGE PLANS

PROJ. MANAGER	DESIGN-REVIEWED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE

INTERSTATE 295 NORTHBOUND	
PTRR (ST. JOHN)	
CUMBERLAND COUNTY	
PORTLAND	
BRIDGE PHASING	
TYPICAL SECTION	

SHEET NUMBER
46
OF 111



- NOTES:**
1. Sections are shown looking upstation.
 2. Phasing shown for deck rehabilitation, joint modifications, membrane and base pavement. Surface paving shall be completed as night work. See next sheet.
 3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

Optional longitudinal pavement joint
See General Notes and notes on this sheet

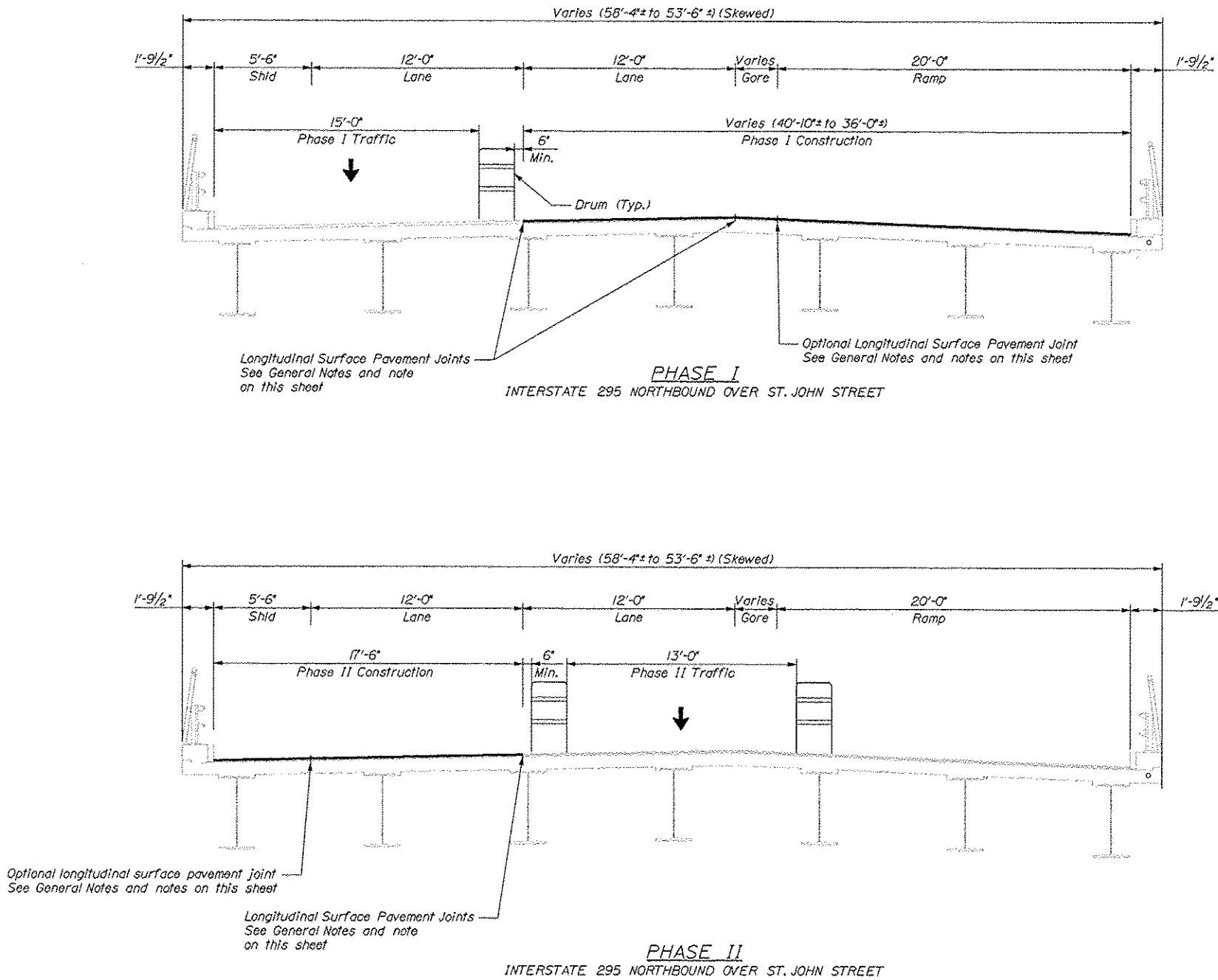
Longitudinal Pavement Joints
See General Notes

STATE OF MAINE	BRIDGE NO. 6297	PIN 17929.10	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	IM-1792(910)E		

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE

INTERSTATE 295 NORTHBOUND
ST. JOHN STREET
PORTLAND CUMBERLAND COUNTY
**BRIDGE PHASING
TYPICAL SECTION**

SHEET NUMBER
47
OF 111



- NOTES:
1. Phasing shown for surface paving to be completed as night work.
 2. Sections are shown looking upstation.
 3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

INTERSTATE 295 NORTHBOUND										STATE OF MAINE										
ST. JOHN STREET										DEPARTMENT OF TRANSPORTATION										
PORTLAND CUMBERLAND COUNTY																				
BRIDGE PHASING										IM-1792(910)E										
TYPICAL SECTION																				
SHEET NUMBER																				
48																				
OF 111																				
PROJ. MANAGER					DOE		BY		DATE		SIGNATURE					P.E. NUMBER				
DESIGN-DETAILED					ENH		LRC		EJV											
CHECKED-REVIEWED					DOE		TRC		EJV											
DESIGN-DETAILED					-		-		-											
DESIGN-DETAILED					-		-		-											
REVISIONS 1					-		-		-		DATE									
REVISIONS 2					-		-		-											
REVISIONS 3					-		-		-											
REVISIONS 4					-		-		-											
FIELD CHANGES					-		-		-											

Date: 12/21/2011

Username: bhavu

Division: BRIDGE

Filename: 049_PhasingPlan-Forest.dgn

Phasing Notes:

1. The construction phasing shown reflects long term lane closures. See General Notes and Special Provision 105 for additional information.

2. See also Traffic Control Plans.

3. The construction phasing shown shall be coordinated with Preble Street and Franklin Arterial to create one continuous work zone.

4. Phase III work zone shall be coordinated with Fore River to St. John Street work zone to create one continuous work zone. See Special Provision 105.

5. Work zones shall be constructed in reverse order from Phase III to Phase I sequentially.

I-295 SB

PHASE III WORK ZONE

I-295 NB

PHASE III
INTERSTATE 295 NORTHBOUND OVER FOREST AVENUE
N.T.S.

I-295 SB

I-295 NB

PHASE II WORK ZONE

I-295 NB

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

I-295 SB

I-295 NB

PHASE I WORK ZONE

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

RAMP
CLOSED

RAMP
CLOSED

RAMP
CLOSED

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

IM-1792(910)E

PIN
17929.10

BRIDGE NO 6296

BRIDGE PLANS

INTERSTATE 295 NORTHBOUND

FOREST AVENUE

PORTLAND CUMBERLAND COUNTY

BRIDGE PHASING

PLAN

SHEET NUMBER

49

OF 111

Date:12/21/2011

Username: bhov

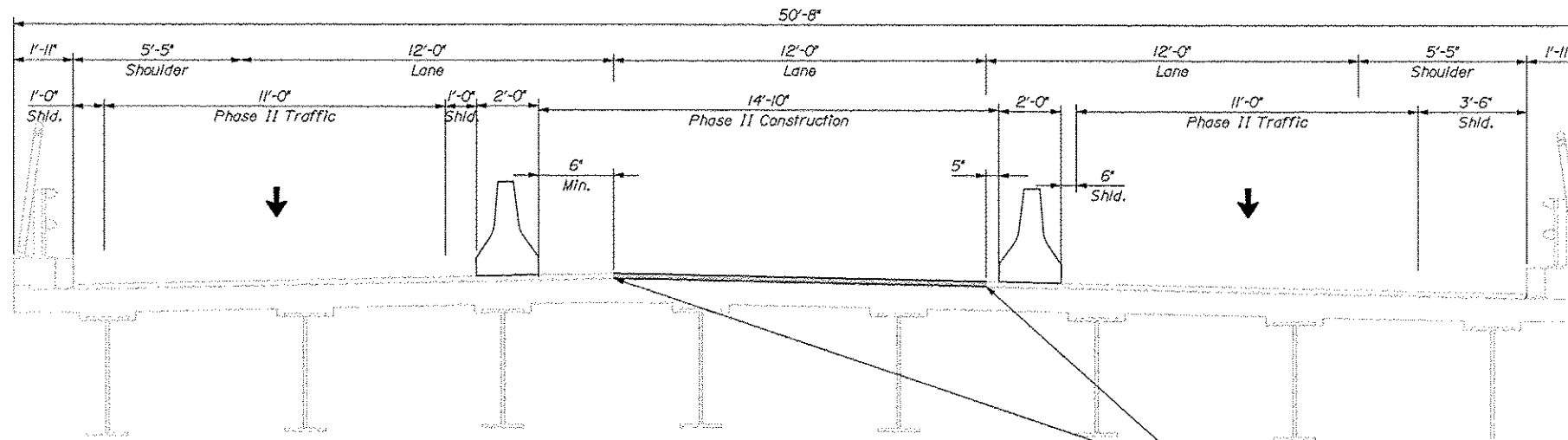
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Filename: 050_PhasingSec-Forest.dgn

Optional longitudinal pavement joint
See General Notes and notes on this sheet

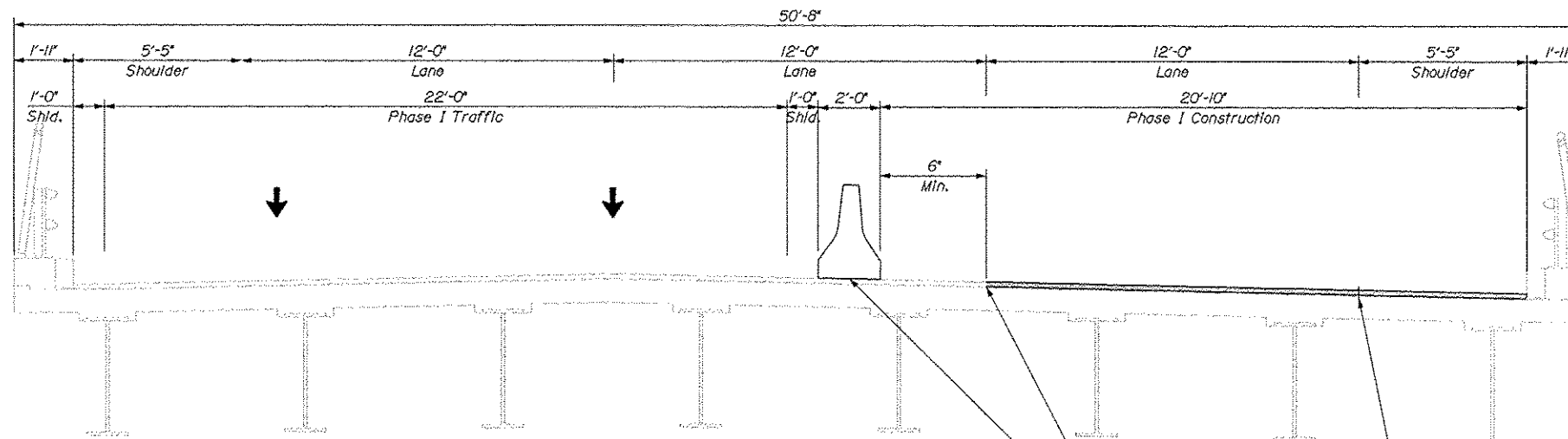
Longitudinal Pavement Joints
See General Notes

PHASE III
INTERSTATE 295 NORTHBOUND OVER FOREST AVENUE
N.T.S.



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

Longitudinal Pavement Joints
See General Notes



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

Longitudinal Pavement Joints
See General Notes

Temporary Concrete Barrier (Typ.)

Optional longitudinal pavement joint
See General Notes and notes on this sheet

NOTES:

1. Sections are shown looking upstation.

2. The optional longitudinal pavement joint is shown as a Contractor option.
The pavement may be placed full width if the Contractor's equipment permits.

3. Work zones shall be constructed in reverse order from Phase III to
Phase I sequentially.

STATE OF MAINE	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	
IM-1792(910)E	
BRIDGE NO. 6298	PIN 17929.10

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED	12/11	MPC				
CHECKED	12/11	REC				
DESIGNED						
REVISIONS						
REVISIONS						
REVISIONS						
REVISIONS						
REVISIONS						
FIELD CHANGES						

INTERSTATE 295 NORTHBOUND
FOREST AVENUE
PORTLAND CUMBERLAND COUNTY
BRIDGE PHASING
TYPICAL SECTION

SHEET NUMBER

50

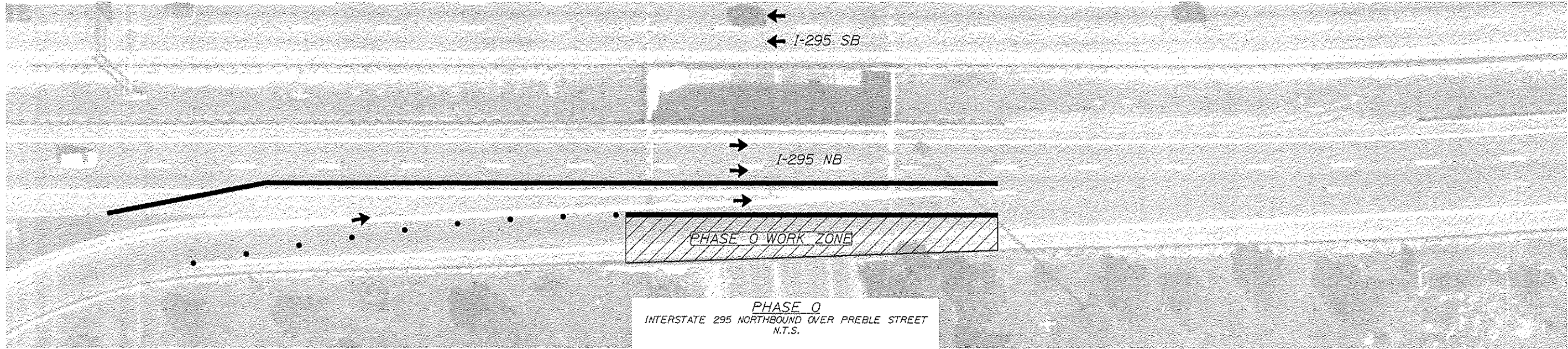
OF 111

Date:12/21/2011

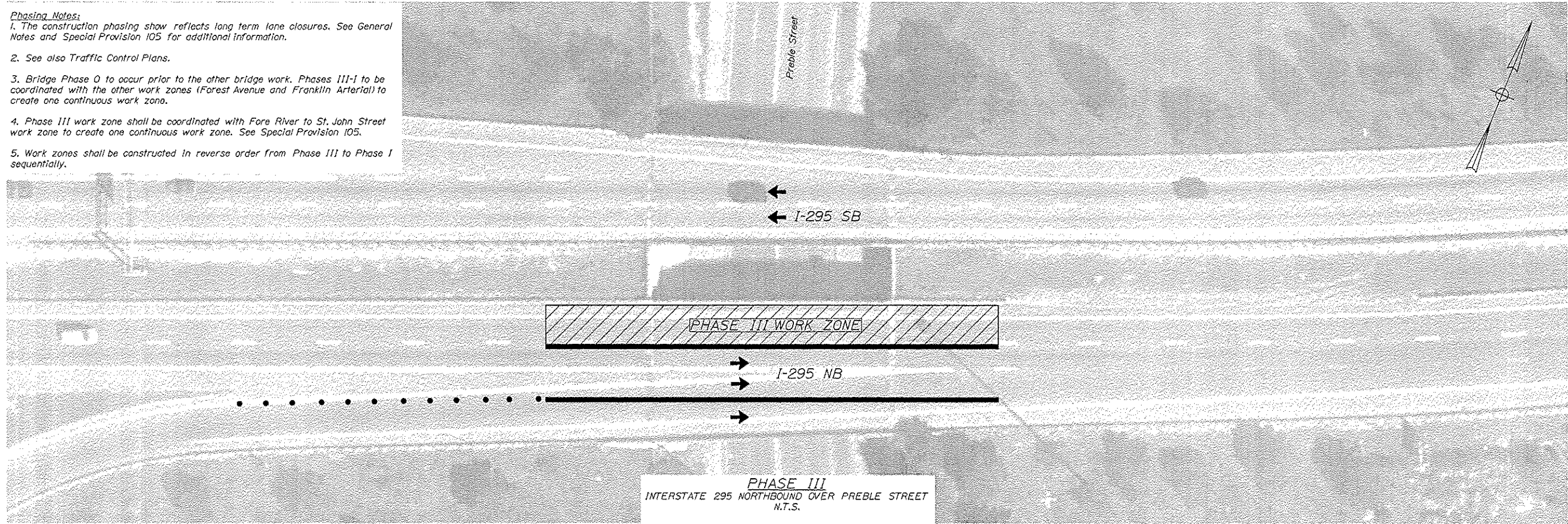
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Division: BRIDGE

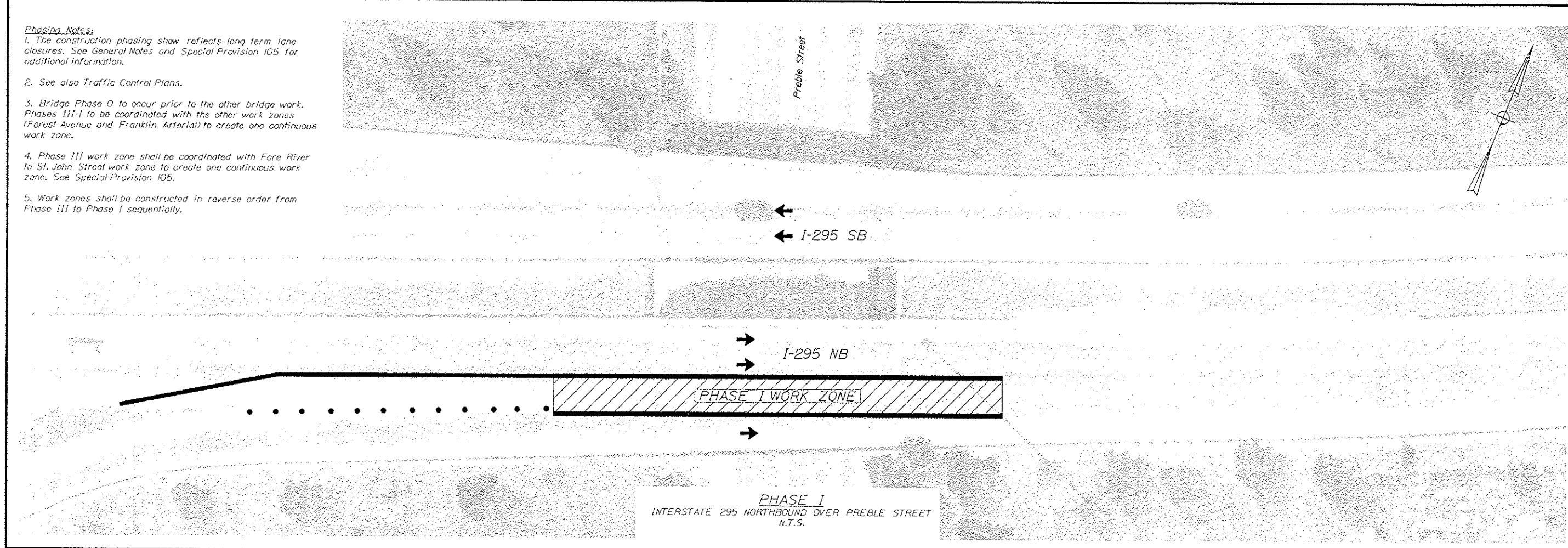
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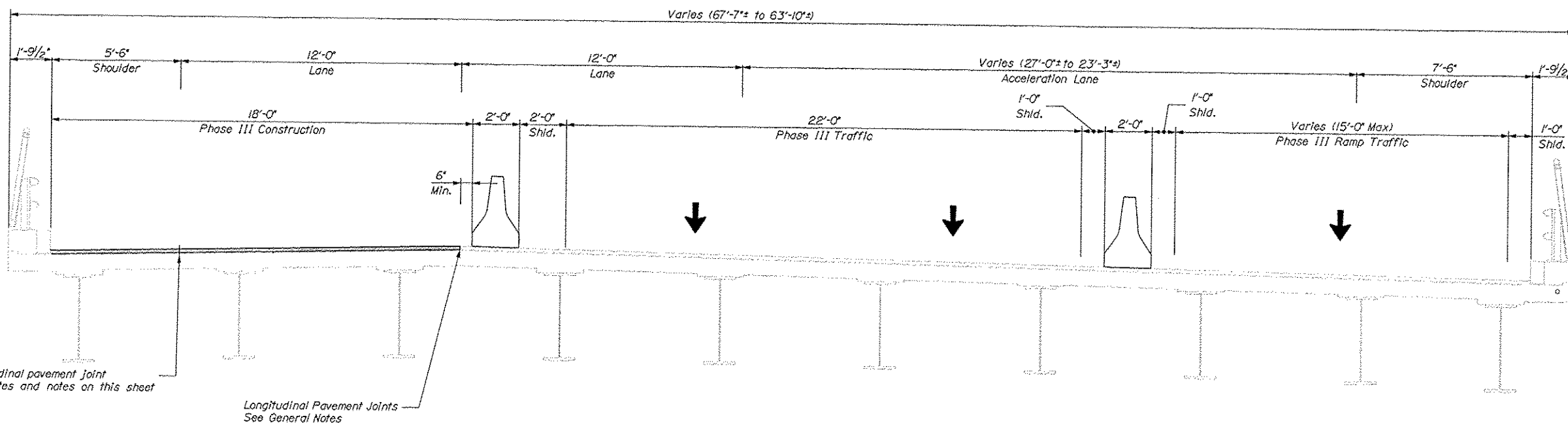
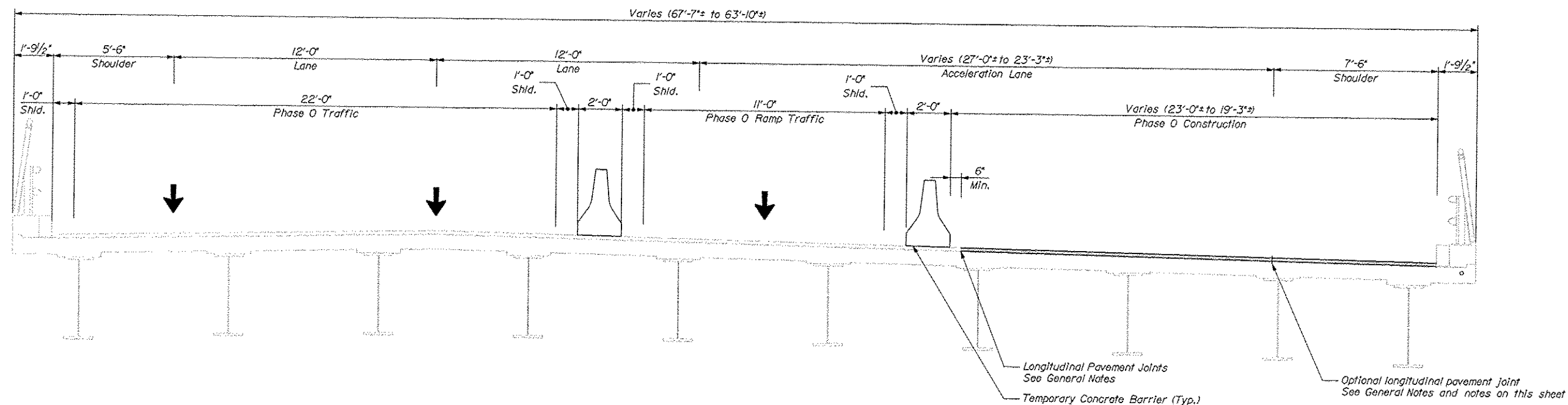
Phasing Notes:
1. The construction phasing show reflects long term lane closures. See General Notes and Special Provision 105 for additional information.
2. See also Traffic Control Plans.
3. Bridge Phase 0 to occur prior to the other bridge work. Phases III-1 to be coordinated with the other work zones (Forest Avenue and Franklin Arterial) to create one continuous work zone.
4. Phase III work zone shall be coordinated with Fore River to St. John Street work zone to create one continuous work zone. See Special Provision 105.
5. Work zones shall be constructed in reverse order from Phase III to Phase I sequentially.



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. 6296		PIN 17929.10		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND		PREBLE STREET		CUMBERLAND COUNTY		PORTLAND		BRIDGE PHASING		PLAN	
PROJ. MANAGER		DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED	
BY		DATE		DATE		DATE		DATE		DATE	
DOE		MPC		TCC		TCC		TCC		TCC	
SIGNATURE		P.E. NUMBER		DATE		DATE		DATE		DATE	
SHEET NUMBER		51		OF 111							

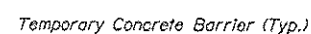


SHEET NUMBER	INTERSTATE 295 NORTHBOUND PREBLE STREET PORTLAND CUMBERLAND COUNTY BRIDGE PHASING PLAN					
52	PROJ. MANAGER	DSE	BY	DATE		
	DESIGN DETAILER	RKH	MPC	12/11		
	CHECKED REVIEWER	DSE	TAC	12/17	SIGNATURE	
	DESIGN DETAILER	-	-	-		
	REVISIONS 1	-	-	-	P.E. NUMBER	
	REVISIONS 2	-	-	-		
	REVISIONS 3	-	-	-		
	REVISIONS 4	-	-	-	DATE	
	FIELD CHANGES	-	-	-		
					STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E PIN BRIDGE NO 8299 17929.10 BRIDGE PLANS	



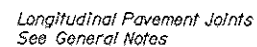
- NOTES:
1. Sections are shown looking upstation.
 2. Bridge Phase 0 to occur prior to the other bridge work. Phases III-I to be coordinated with the other work zones (Forest Avenue and Franklin Arterial).
 3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.
 4. Work zones shall be constructed in reverse order from Phase III to Phase I sequentially.

[illegible]



Longitudinal Pavement Joints
See General Notes

PHASE II
INTERSTATE 295 NORTHBOUND OVER PREBLE STREET
N.T.S.

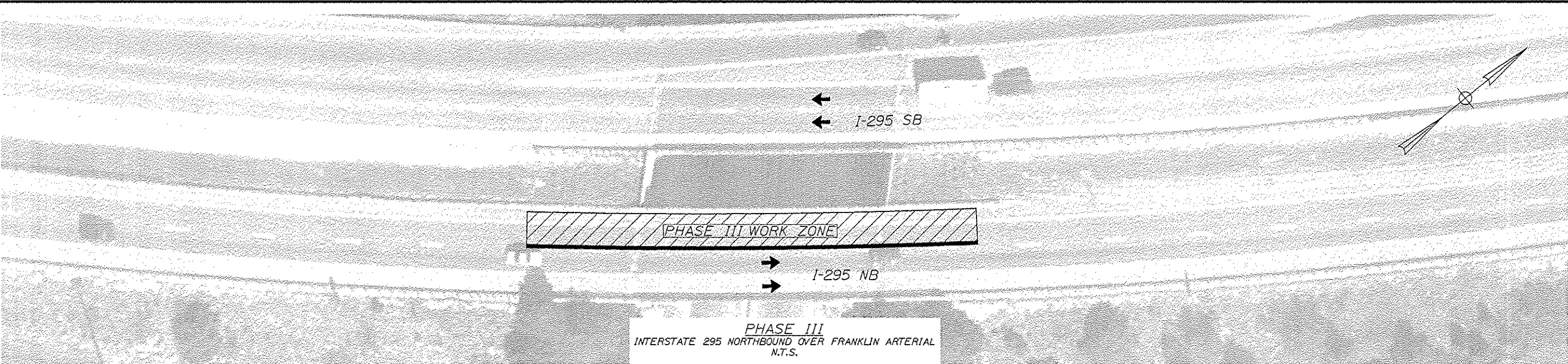
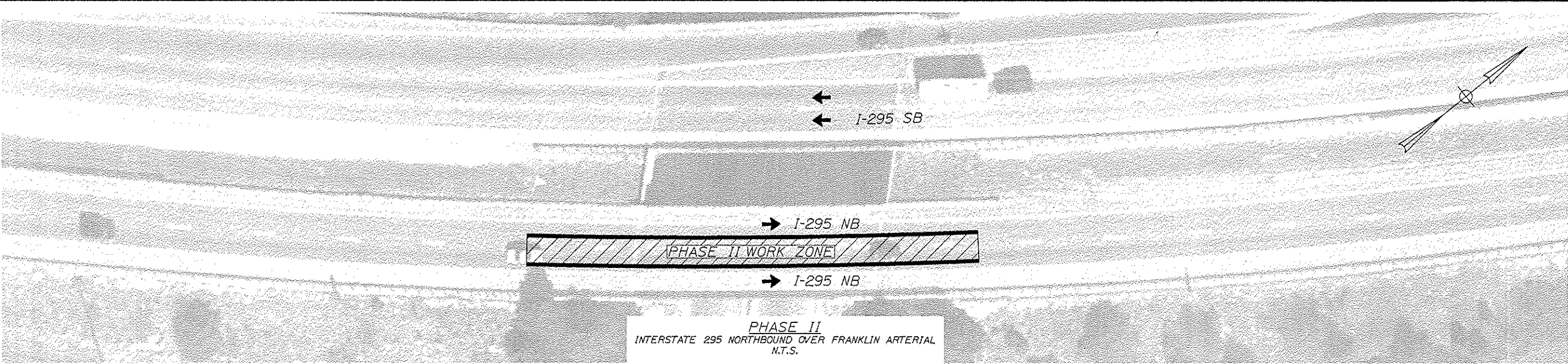
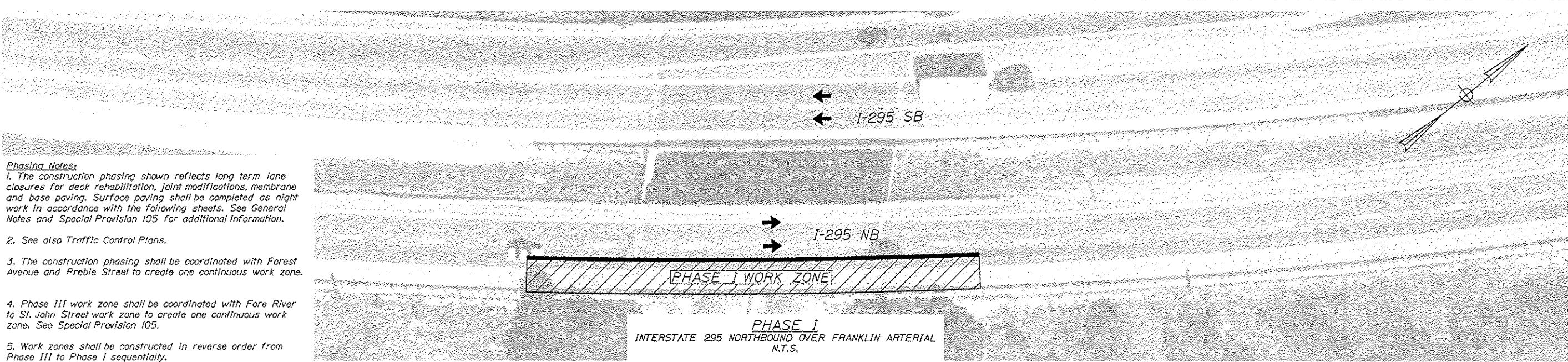


PHASE I
INTERSTATE 295 NORTHBOUND OVER PREBLE STREET
N.T.S.

- NOTES:
1. Sections are shown looking upstation.
 2. Bridge Phase 0 to occur prior to the other bridge work. Phases III-1 to be coordinated with the other work zones (Forest Avenue and Franklin Arterial).
 3. Work zones shall be constructed in reverse order from Phase III to Phase I sequentially.

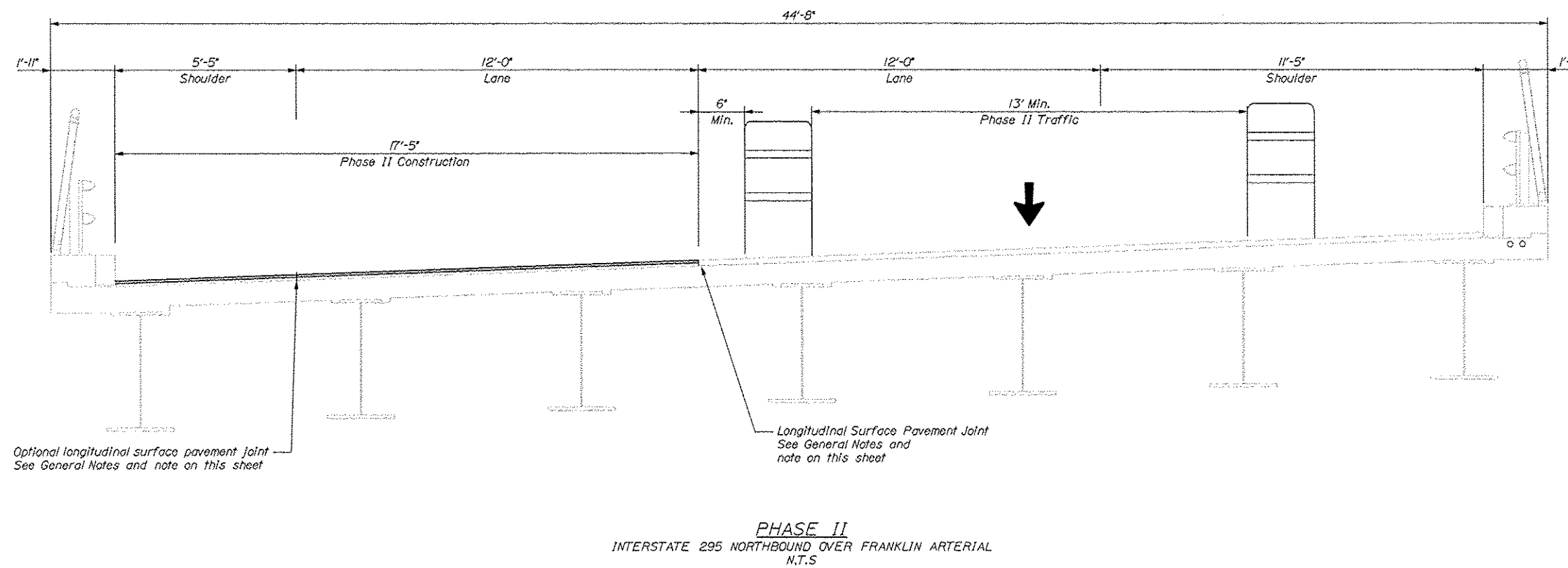
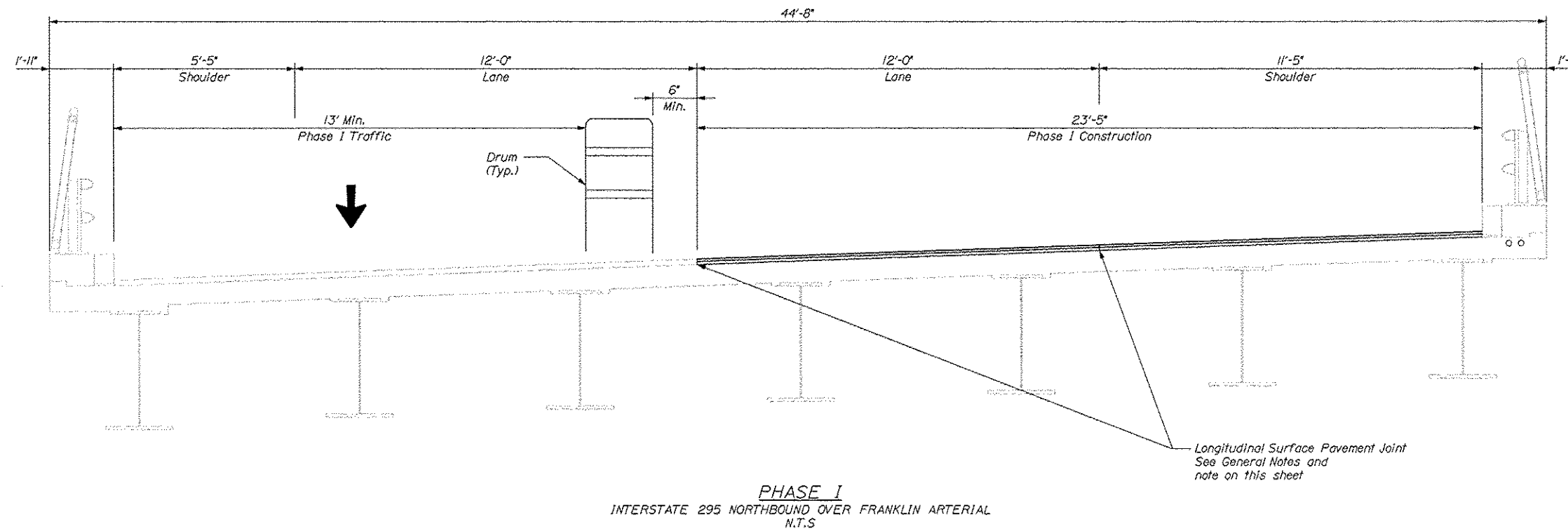
[illegible]

Phasing Notes:
1. The construction phasing shown reflects long term lane closures for deck rehabilitation, joint modifications, membrane and base paving. Surface paving shall be completed as night work in accordance with the following sheets. See General Notes and Special Provision 105 for additional information.
2. See also Traffic Control Plans.
3. The construction phasing shall be coordinated with Forest Avenue and Preble Street to create one continuous work zone.
4. Phase III work zone shall be coordinated with Fore River to St. John Street work zone to create one continuous work zone. See Special Provision 105.
5. Work zones shall be constructed in reverse order from Phase III to Phase I sequentially.



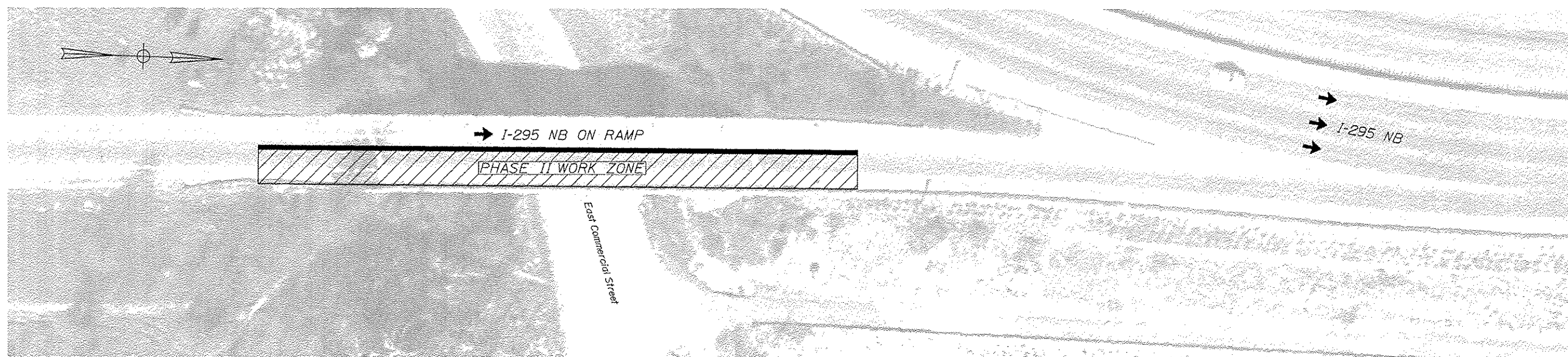
INTERSTATE 295 NORTHBOUND FRANKLIN ARTERIAL PORTLAND CUMBERLAND COUNTY		STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E																																									
BRIDGE PHASING PLAN		BRIDGE NO. 6300 PIN 17929.10 BRIDGE PLANS																																									
SHEET NUMBER 55 OF 111		<table><tr><th>PROJ. MANAGER</th><th>DATE</th><th>SY</th><th>DATE</th></tr><tr><td>DESIGNED/TAILED</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>CHECKED/REVIEWED</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>DESIGNED/REVIEWED</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>DESIGNED/REVIEWED</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>REVISIONS 1</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>REVISIONS 2</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>REVISIONS 3</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>REVISIONS 4</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>FIELD CHANGES</td><td>DATE</td><td>DATE</td><td>DATE</td></tr></table>		PROJ. MANAGER	DATE	SY	DATE	DESIGNED/TAILED	DATE	DATE	DATE	CHECKED/REVIEWED	DATE	DATE	DATE	DESIGNED/REVIEWED	DATE	DATE	DATE	DESIGNED/REVIEWED	DATE	DATE	DATE	REVISIONS 1	DATE	DATE	DATE	REVISIONS 2	DATE	DATE	DATE	REVISIONS 3	DATE	DATE	DATE	REVISIONS 4	DATE	DATE	DATE	FIELD CHANGES	DATE	DATE	DATE
PROJ. MANAGER	DATE	SY	DATE																																								
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REVISIONS 3	DATE	DATE	DATE																																								
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FIELD CHANGES	DATE	DATE	DATE																																								

SHEET NUMBER										INTERSTATE 295 NORTHBOUND										STATE OF MAINE																			
56										FRANKLIN ARTERIAL										DEPARTMENT OF TRANSPORTATION																			
										PORTLAND CUMBERLAND COUNTY																													
										BRIDGE PHASING										IM-1792(910)E																			
										TYPICAL SECTION										PIN																			
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OF 111																				BRIDGE NO. 8300										BRIDGE PLANS									
										PROJ. MANAGER										DATE																			
										DESIGN-DETAILED RWH										BY																			
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										FIELD CHANGES																													



- NOTES:
1. Phasing shown for surface paving to be completed as night work.
 2. Sections are shown looking upstation.
 3. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.

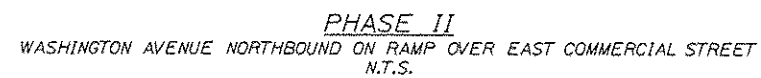
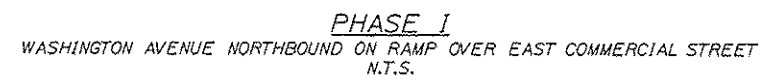
SHEET NUMBER	INTERSTATE 295 NORTHBOUND		PROJ. MANAGER	DGE	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E
	FRANKLIN ARTERIAL PORTLAND CUMBERLAND COUNTY		DESIGN-DETAILED	RMH	WFC	12/11	
57	BRIDGE PHASING TYPICAL SECTION		CHECKED-REVIEWED	DGE	TRC	12/11	SIGNATURE
			DESIGN-DETAILED				
			DESIGN-DETAILED				
			REVISIONS 1				P.E. NUMBER
			REVISIONS 2				
			REVISIONS 3				
OF 111			REVISIONS 4				DATE
			FIELD CHANGES				
				BRIDGE NO. 6300		PIN 17929.10	BRIDGE PLANS



Phasing Notes:
1. The construction phasing shown reflects long term lane closures for deck rehabilitation, joint modifications, membrane and base paving. Surface paving shall be completed as night work in accordance with the following sheets. See General Notes and Special Provision 105 for additional information.
2. See also Traffic Control plans.
3. Night time ramp closure will be required for surface paving.

PHASE II
WASHINGTON AVENUE NORTHBOUND ON RAMP OVER EAST COMMERCIAL STREET
N.T.S.

[illegible]



NOTES:

1. Phasing shown for deck rehabilitation, joint modifications, membrane and base pavement. Surface pavement shall be completed at night with ramp detour (not shown). Longitudinal pavement joints on surface pavement shall match crown lines and lane lines.
2. Sections are shown looking upstation.

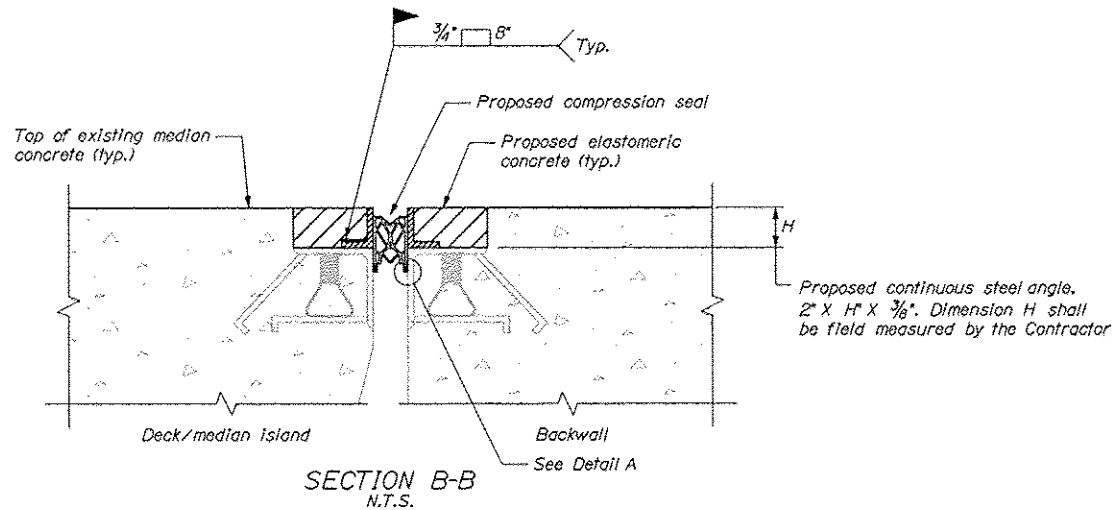
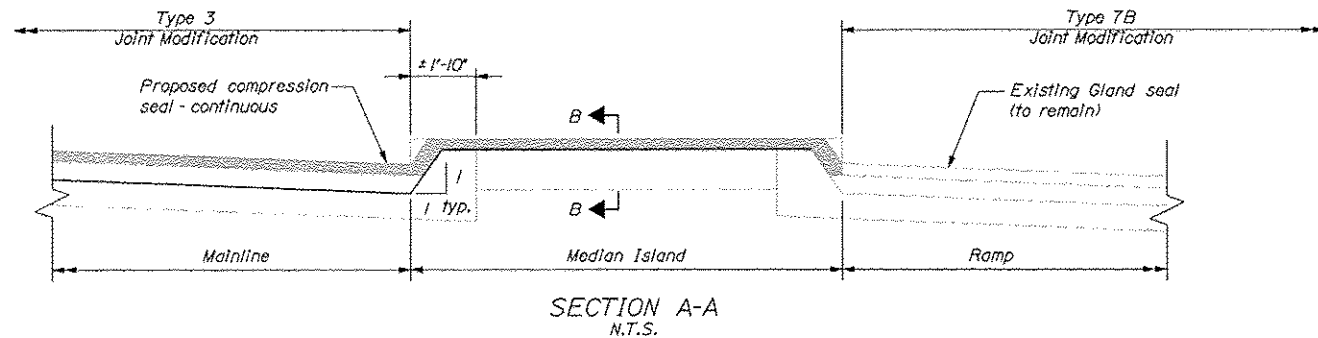
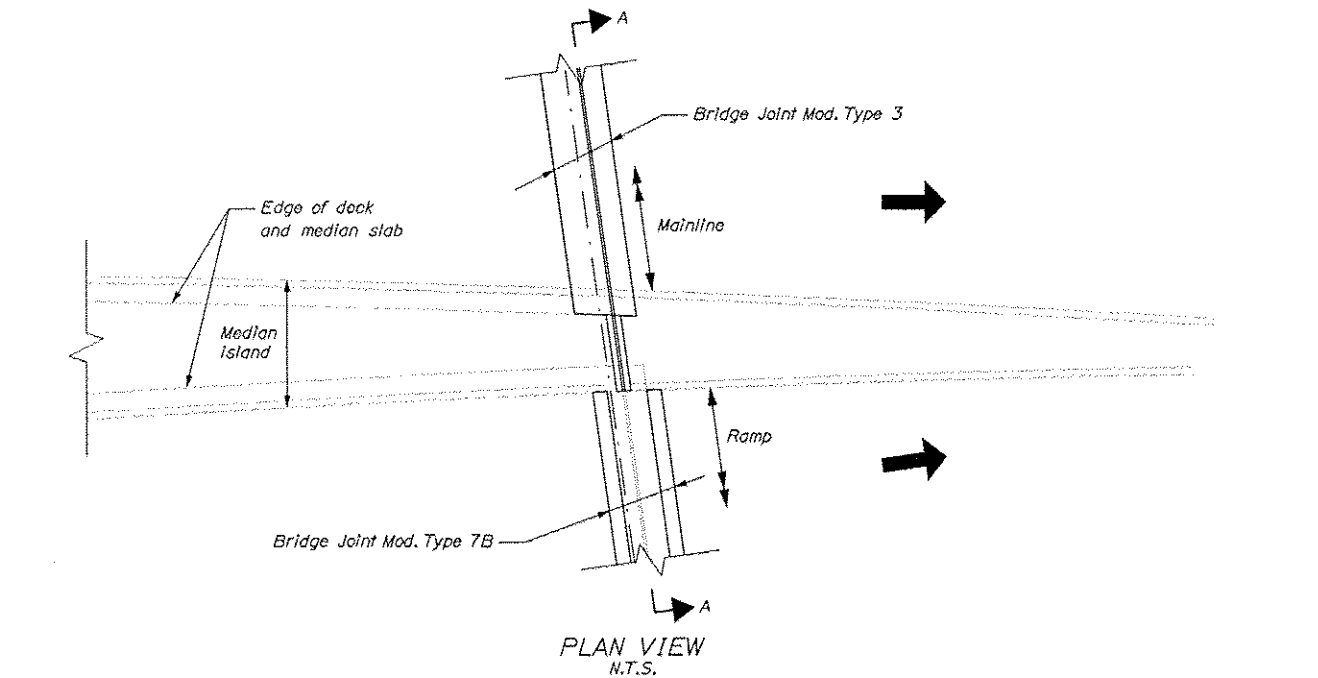
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Date: 12/21/2011

Username: mcurdfff

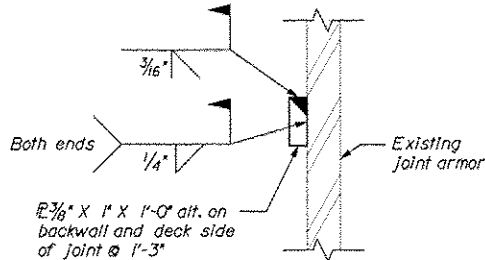
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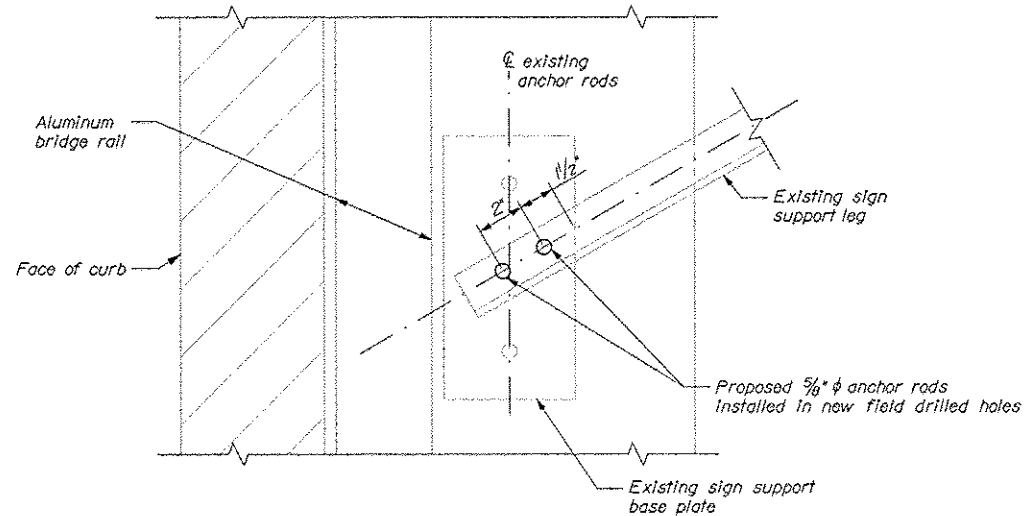


MEDIAN JOINT DETAILS
PTRR (St. John) bridge, north abutment only

- NOTES:**
- Median joint work shall include removal of existing cushion seal and miscellaneous armor, cleaning surface of joint armor to remain, installing new steel angles, elastomeric concrete and compression seal.
 - 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.
 - Median joint work for PTRR (St. John) north abutment shall be incidental to the adjacent Type 3 Joint Modification.



DETAIL A
6" x 1'-0"



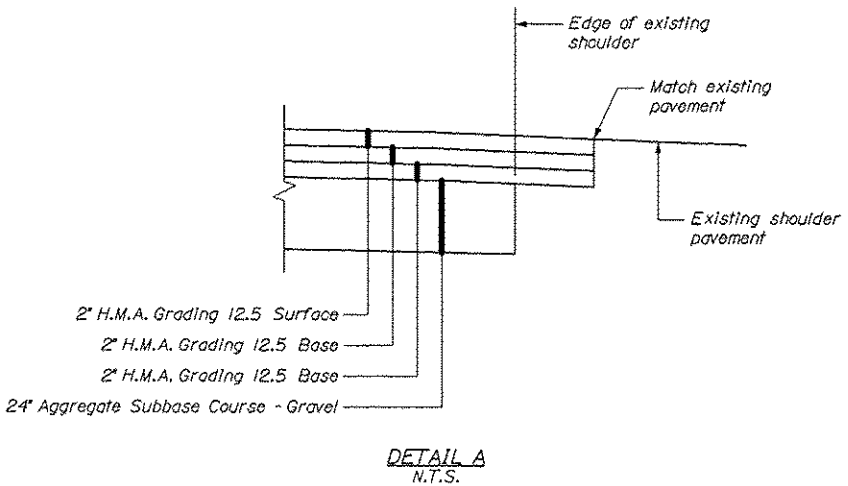
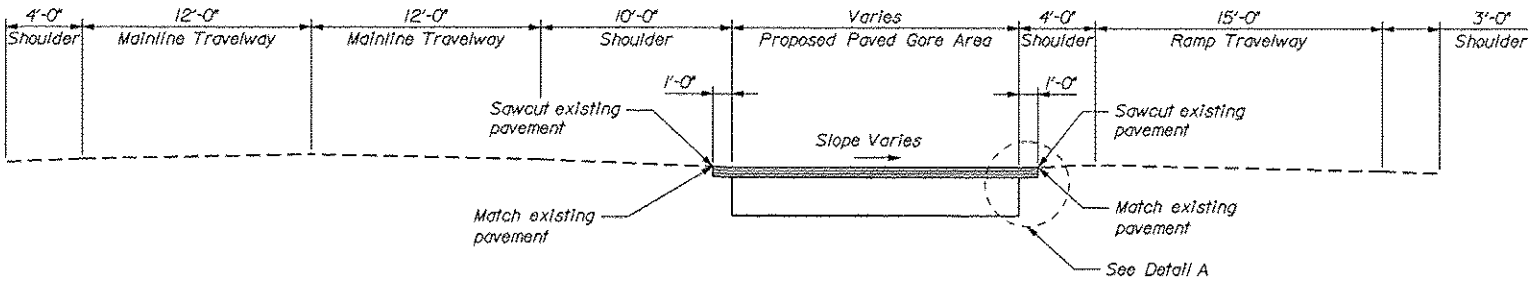
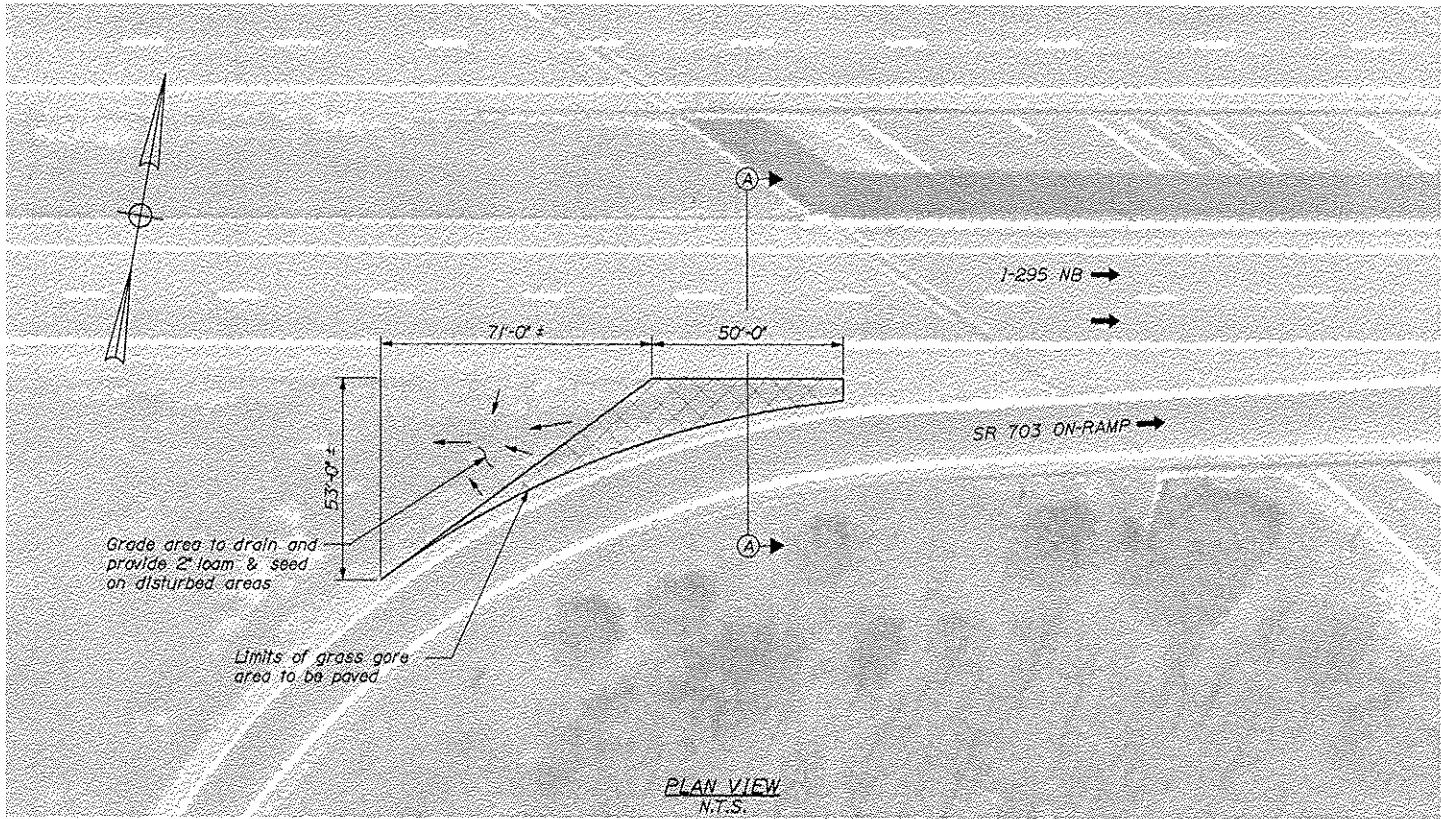
SIGN SUPPORT MODIFICATION DETAIL
(Congress Street and Park Avenue bridge only)
3" x 1'-0"

- NOTES:**
- One sign connection shown, modifications at two sign connections required.
 - Proposed anchor rods shall be drilled and grouted using a material listed on the Maine Department of Transportation listing of qualified chemical anchoring materials. Drilling and anchoring shall be in accordance with manufacturer recommendations. Anchor rods shall be embedded a minimum of 8" into the concrete curb.
 - All proposed anchor rods shall be $5/8$ " diameter conforming to ASTM F1554, Grade 55. Anchor rods shall project 2 inches above top of steel.
 - Pack void between existing base plates and top of curb using non-shrink grout. Allow grout to cure prior to tightening anchor bolts.
 - Install washer(s) and hex nuts. Torque nuts to $1/3$ turn beyond "snug tight" condition. Double nut new anchors with second hex nut.

STATE OF MAINE	BRIDGE NO. VARIES	PIN	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	17929.10		
IM-1792(910)E			

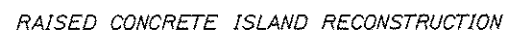
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CHECKED-REVISED		IPC				
DESIGN-DETAILED						
REVISIONS						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

INTERSTATE 295 NORTHBOUND	SHEET NUMBER
S. PORTLAND TO PORTLAND	
CUMBERLAND COUNTY	
MISCELLANEOUS BRIDGE DETAILS	



- NOTES:
1. Payment for all labor, materials and equipment necessary to complete all gore prep work and paving work shall be paid for under Item 510.40, Special Detour Approach Pavement. See Special Provision 510.
 2. Removal of the gore paving upon completion of the project is not required. Contractor shall final stripe the roadway to reflect existing conditions.
 3. A maximum grade change of 6% between existing shoulder cross slopes and proposed paved gore cross slopes are required. Adjust gore cross slopes as necessary. Coordinate work with Resident.

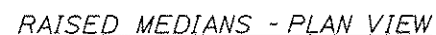
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	SHEET NUMBER			
	61			
	OF 111			
BRIDGE NO. 6273 PIN 17929.10 BRIDGE PLANS	DATE			
	DATE	BY	DOE	DATE
	DATE	BY	DOE	DATE
	DATE	BY	DOE	DATE
INTERSTATE 295 NORTHBOUND 8239E (STATE ROUTE 703) SOUTH PORTLAND CUMBERLAND COUNTY GORE PAVING DETAILS				



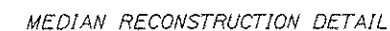
RAISED CONCRETE MEDIAN DETAIL ON BRIDGE DECK

NOTES:

1. Contractor shall establish survey control and field survey the existing raised island width and location at 25'-0" intervals so that the proposed island can be reconstructed in the same location. Payment for survey work shall be considered incidental to the raised median island pay items.
2. The highway raised median as shown on the plans shall be removed and paved flush with adjacent pavement prior to Phase I bridge work / traffic control being implemented and reconstructed "in kind" following completion of Phase III traffic control.
3. The heavy shoring specified to be installed below the island at the Portland Connector bridge shall be in place prior to removing the island concrete and shall remain in place until the island has been fully reconstructed.
4. See Special Provision 105 for raised median island limitations of operations.
5. Apply protective coating for concrete surfaces after island construction (typ.)
6. Payment for raised median work shall be under Item 510.41, Special Detour - Median Island Removal and Reconstruction, Bridge and Item 510.42, Special Detour - Median Island Removal and Reconstruction, Highway. See Special Provisions 510.
7. Patch deteriorated deck concrete below island using the appropriate 518 pay items.



Limits Of Work
N.T.S.



N.T.S.

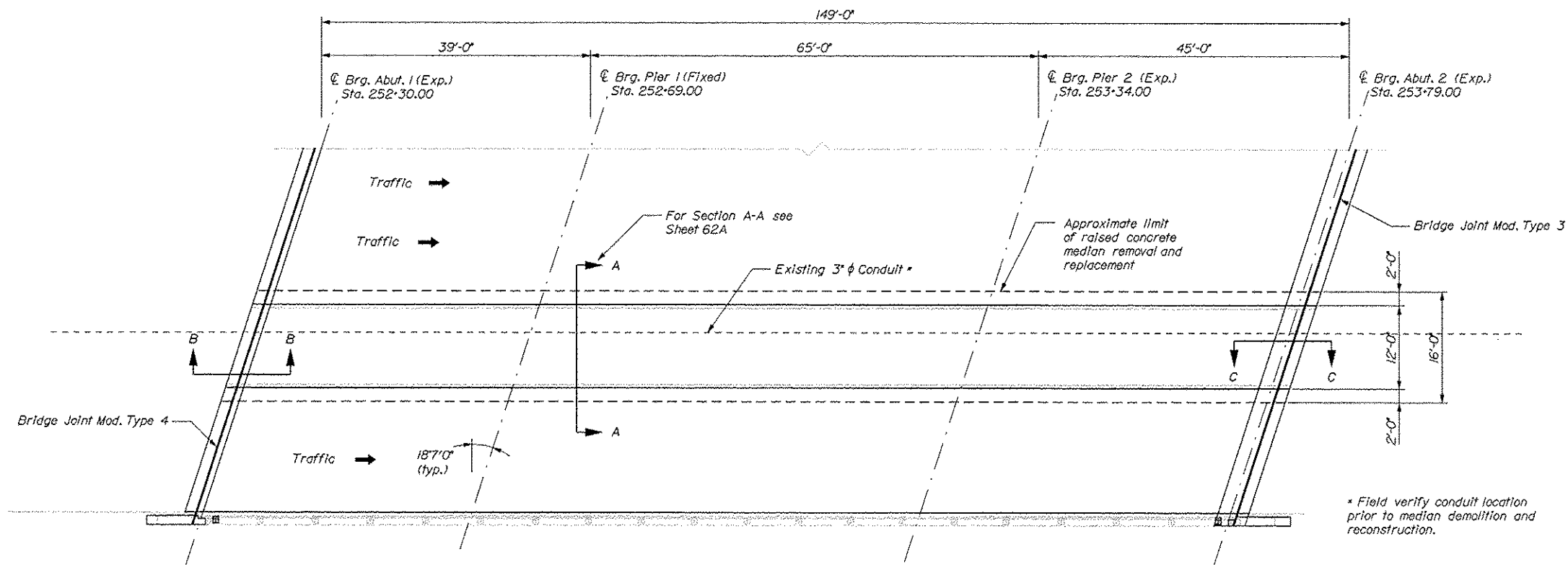
OF 111

Date: 12/21/2011

Username: mcmurphy

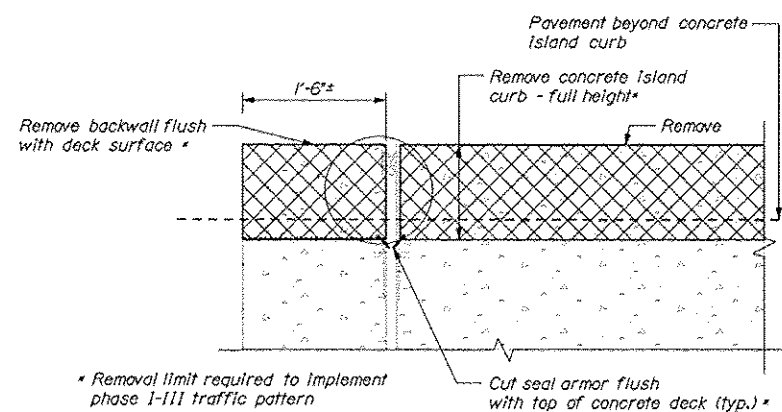
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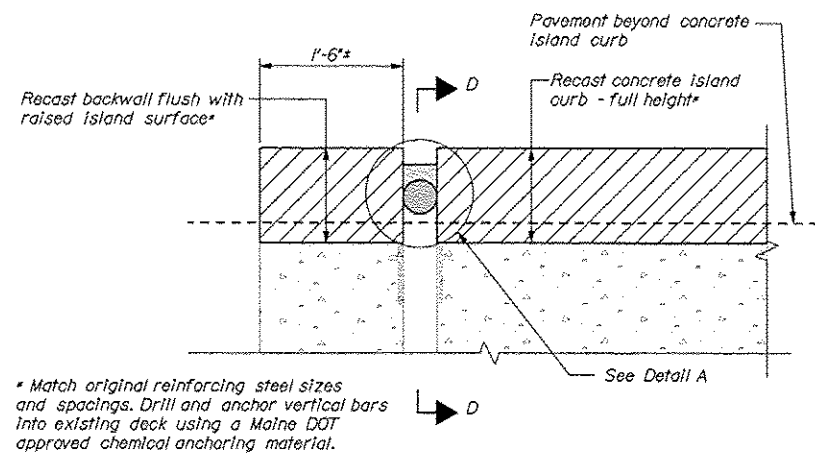


INTERSTATE 295 NORTHBOUND OVER PTRR (FORE RIVER)

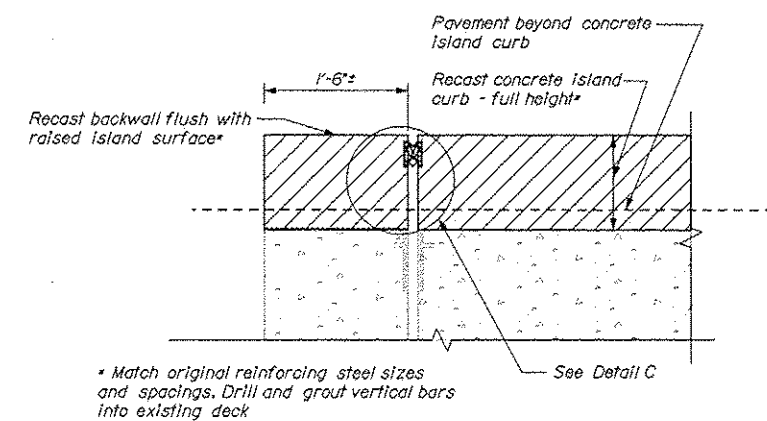
Portland ~ Bridge No. 6291
N.T.S.



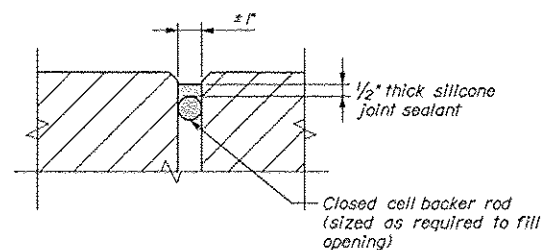
SECTION B-B
SECTION C-C
(Island demolition at deck joint)



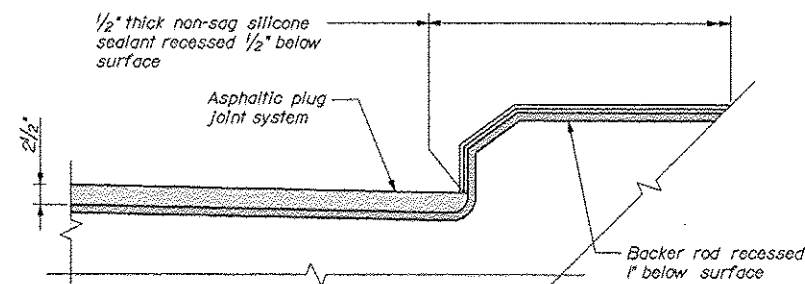
SECTION B-B
(Island reconstruction at Abutment No. 1)



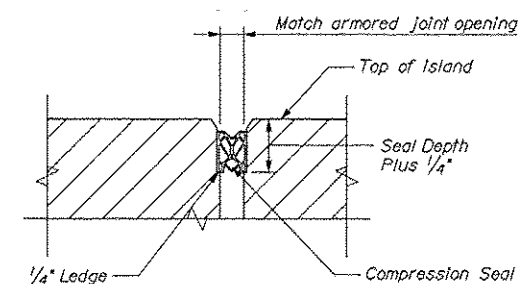
SECTION C-C
(Island reconstruction at Abutment No. 2)



DETAIL A



SECTION D-D
(Joint treatment at bridge median curb)



DETAIL C

NOTES:
1. Reconstruct island on bridge in accordance with as-built drawings.
2. Existing rebar not shown.

STATE OF MAINE	BRIDGE NO. Varies	PIN	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	IM-1792(910)E	17929.10	

DATE	BY	DATE	DATE	SIGNATURE	P.E. NUMBER	DATE
12/21/11	TRC	12/21/11	12/21/11			

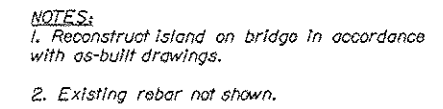
INTERSTATE 295 NORTHBOUND
S. PORTLAND TO PORTLAND
CUMBERLAND COUNTY

RAISED ISLAND DETAILS

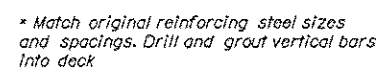
SHEET NUMBER

62B

OF 111

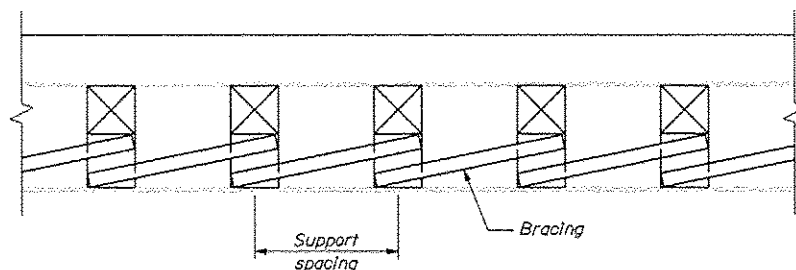
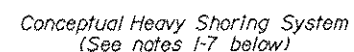


Portland ~ Bridge No. 6292
N.T.S.



(Island reconstruction at Abutment No. 1)

INTERSTATE 295 NORTHBOUND S.PORTLAND TO PORTLAND CUMBERLAND COUNTY RAISED ISLAND DETAILS	PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES				DOW APC TRC - - - - - -	DAY 12/31 12/31 - - - - - -	SIGNATURE P.E. NUMBER DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	BRIDGE NO. Varies PIN 17929.10 BRIDGE PLANS
	SHEET NUMBER								



Conceptual Heavy Shoring Detail
(See notes 1-7 below)

PORTLAND CONNECTOR
CONCEPTUAL HEAVY SHORING BELOW BRIDGE MEDIAN
N.T.S.

NOTES:

1. The details shown are a heavy shoring concept only. The Contractor may propose an alternate temporary structural support system.
2. The Contractor shall submit plans and calculations, prepared by a Professional Engineer licensed in the State of Maine, in accordance with the Standard Specifications and Special Provision 524 - Temporary Structural Support, to the Resident for review prior to installing the temporary structural support system.
3. The heavy shoring shall be installed prior to demolishing the concrete island and shall remain in place until reconstruction of the island is complete.
4. Shoring shall be wedged tight with hard wood wedges to provide full contact with the girder flanges and webs, and with the underside of the deck slab.
5. Shoring shall be inspected by the Contractor on a weekly basis to ensure that it remains in full contact with the slabs and girders while traffic is on the shored region.
6. Shoring shall be braced such that it is stable in all directions and will not work loose due to bridge movement and vibrations.
7. All members in shoring system shall be mechanically fastened to one another to prevent relative movement.

[illegible]



SHEET NUMBER	INTERSTATE 295 NORTHBOUND S. PORTLAND TO PORTLAND CUMBERLAND COUNTY		PRJCL. MANAGER		DOE	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1752(910)E
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			DESIGN-DETAILED2		-	-	-	
			DESIGN-DETAILED3		-	-	-	
			REVISED 1		-	-	-	P.E. NUMBER
			REVISED 2		-	-	-	
			REVISED 3		-	-	-	
			REVISED 4		-	-	-	DATE
			FIELD CHANGES		-	-	-	
					-	-	-	BRIDGE NO. Varies PIN 17929.10 BRIDGE PLANS

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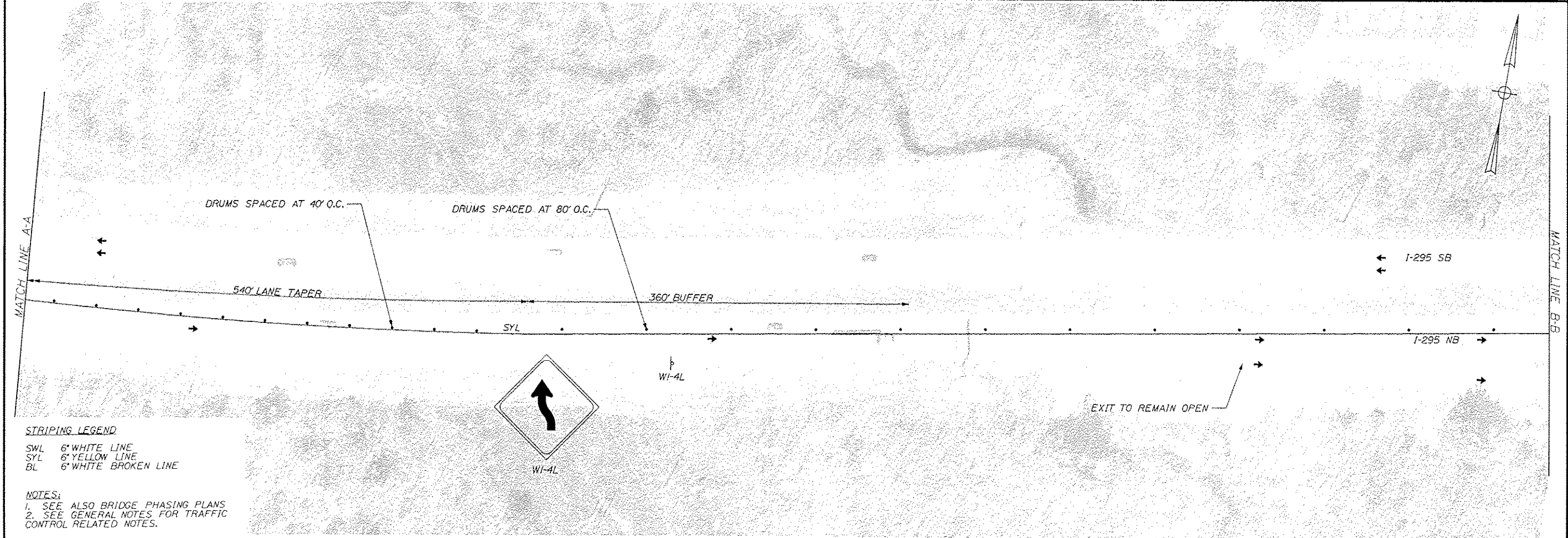
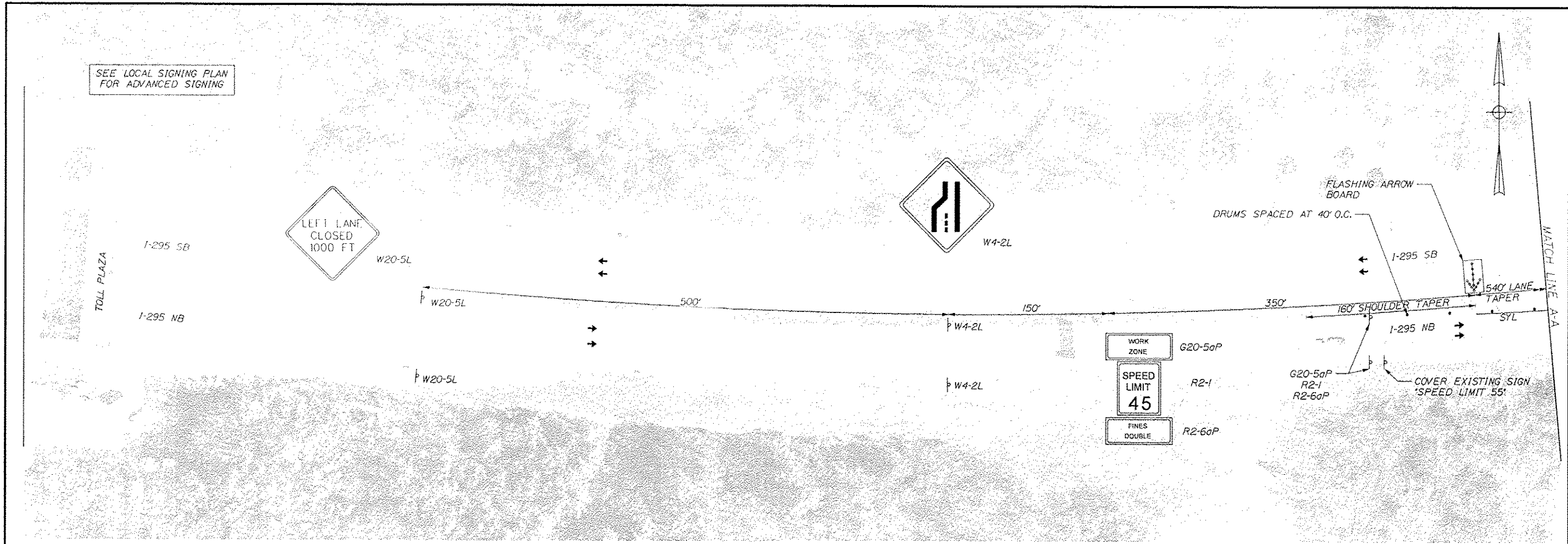
OF 111

Date: 12/21/2011

Username: bhavu

Division: BROCE

Filename: 064_WZ 01Ph 01 Plan 01.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

WORK ZONE 1 (SR 703)

PHASE I SHEET 1 of 2

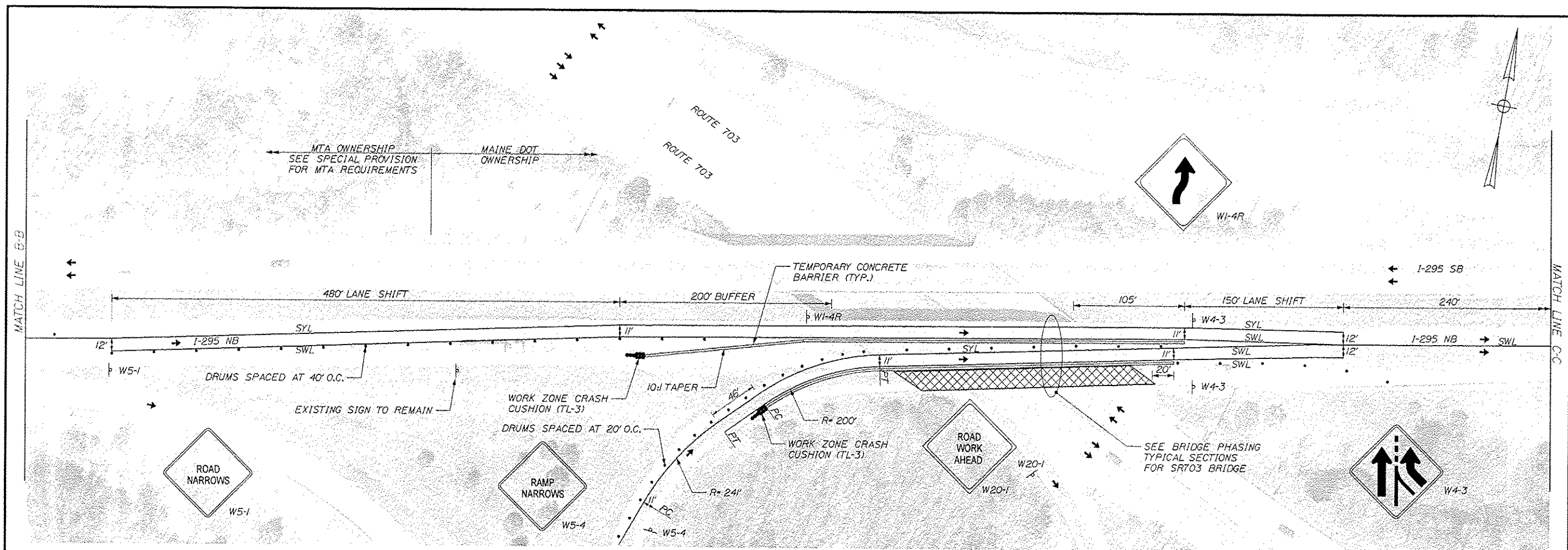
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DESIGN DETAIL										TSC										R2-6aP										R2-6aP										R2-6aP										R2-6aP										R2-6aP										R2-6aP									
DESIGN DETAIL										TSC																																																																					

Date: 12/21/2011

Username: bravo

Division: BRIDGE

Filename: 065_WZ_01 Ph 01 Plan 02 .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.
3. CONTRACTOR SHALL ACCESS WORK ZONE FROM TRAILING END OF SR 703 ON RAMP.

NOT TO SCALE

WORK ZONE 1 (SR 703)

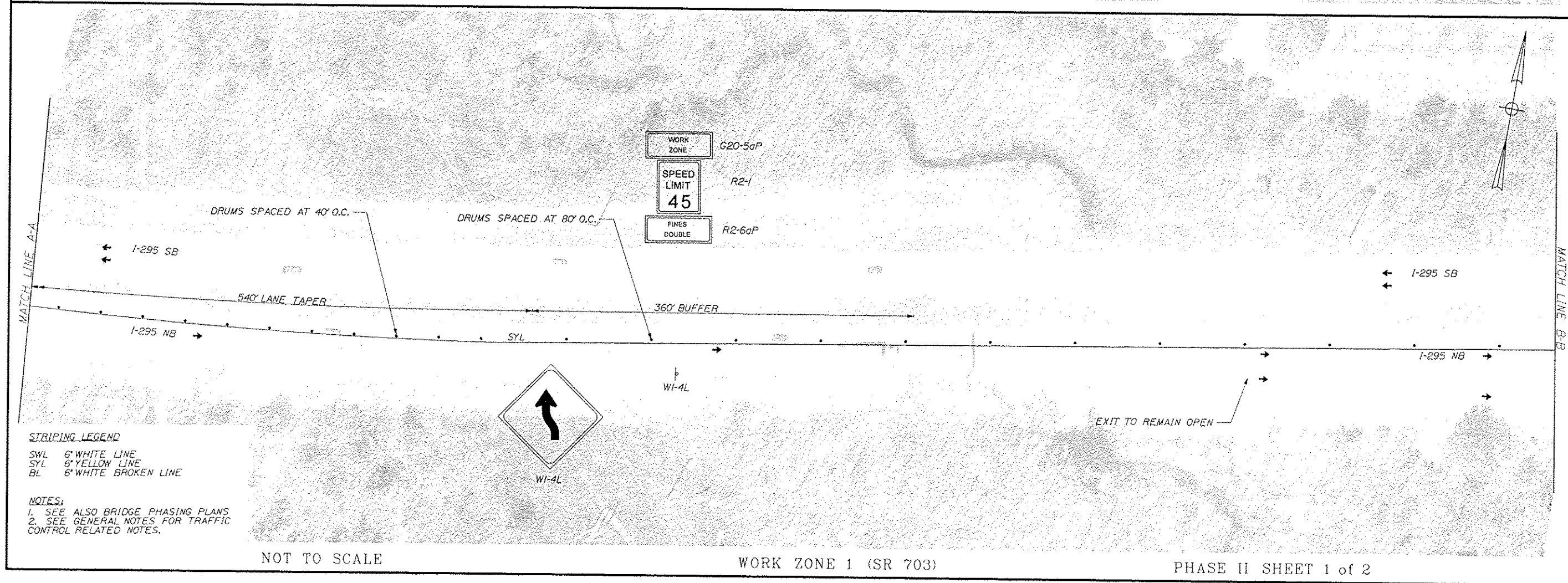
PHASE I SHEET 2 of 2

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
IM-1792(910)E
BRIDGE NO. VARIES
PIN 17929.10
BRIDGE PLANS

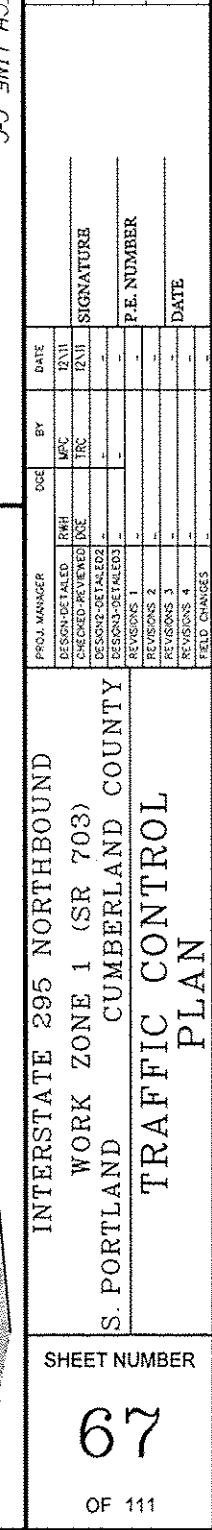
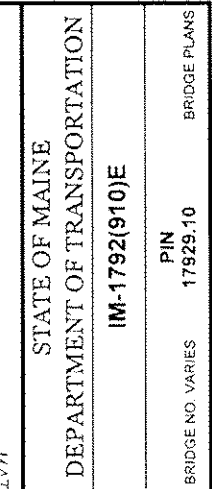
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12/11	DESIGN DETAIL	12/11	DESIGN DETAIL	12/11	DESIGN DETAIL
12/11	DESIGN DETAIL	12/11	DESIGN DETAIL	12/11	DESIGN DETAIL

INTERSTATE 295 NORTHBOUND
WORK ZONE 1 (SR 703)
S. PORTLAND CUMBERLAND COUNTY
TRAFFIC CONTROL PLAN
SHEET NUMBER
65
OF 111

Fichier: 066_VZ_01 Ph 02 Plan 01.dgn



SHEET NUMBER 66 OF 111	INTERSTATE 295 NORTHBOUND WORK ZONE 1 (SR 703) S. PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN	PROJECT MANAGER		DATE	BY	DATE
		DESIGN-DETAILED	RAW	WCC	DATE	
		CHECKED-REVIEWED	DOE	TSC	DATE	
		DESIGN-DETAILED				SIGNATURE
		DESIGN-DETAILED				
		REVISIONS 1				P.E. NUMBER
		REVISIONS 2				
		REVISIONS 3				
		REVISIONS 4				DATE
		FIELD CHANGES				
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E						
BRIDGE NO. VARES PIN 17929.10 BRIDGE PLANS						

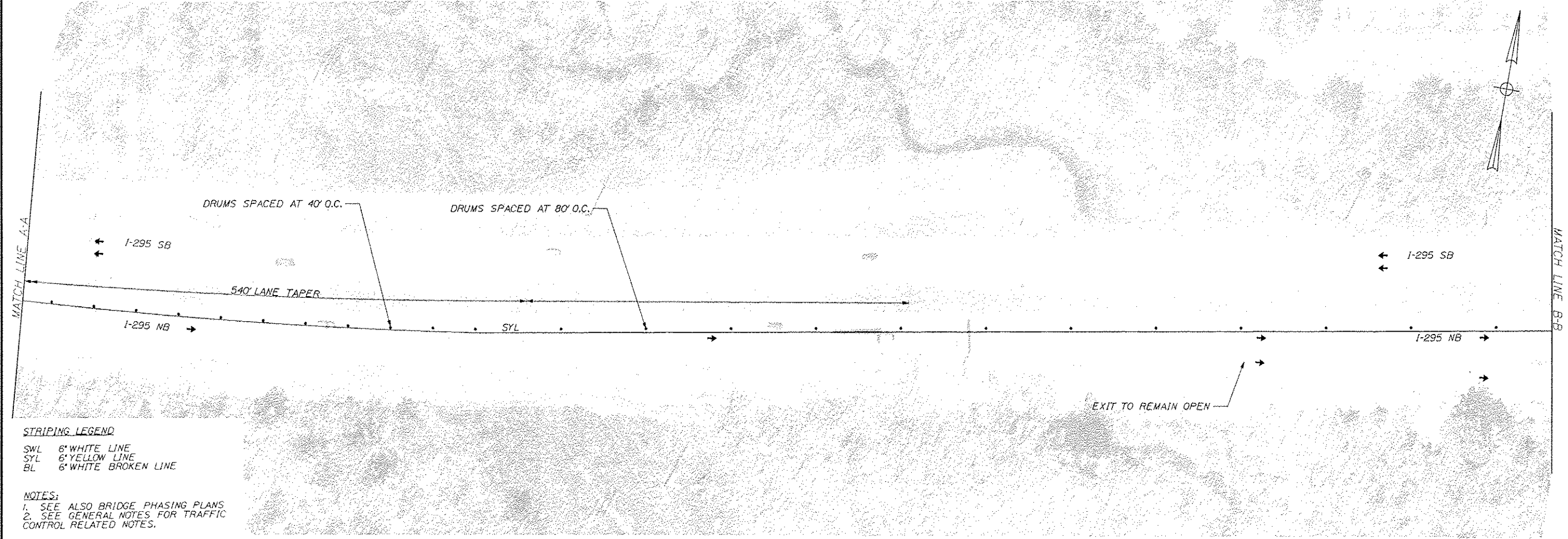
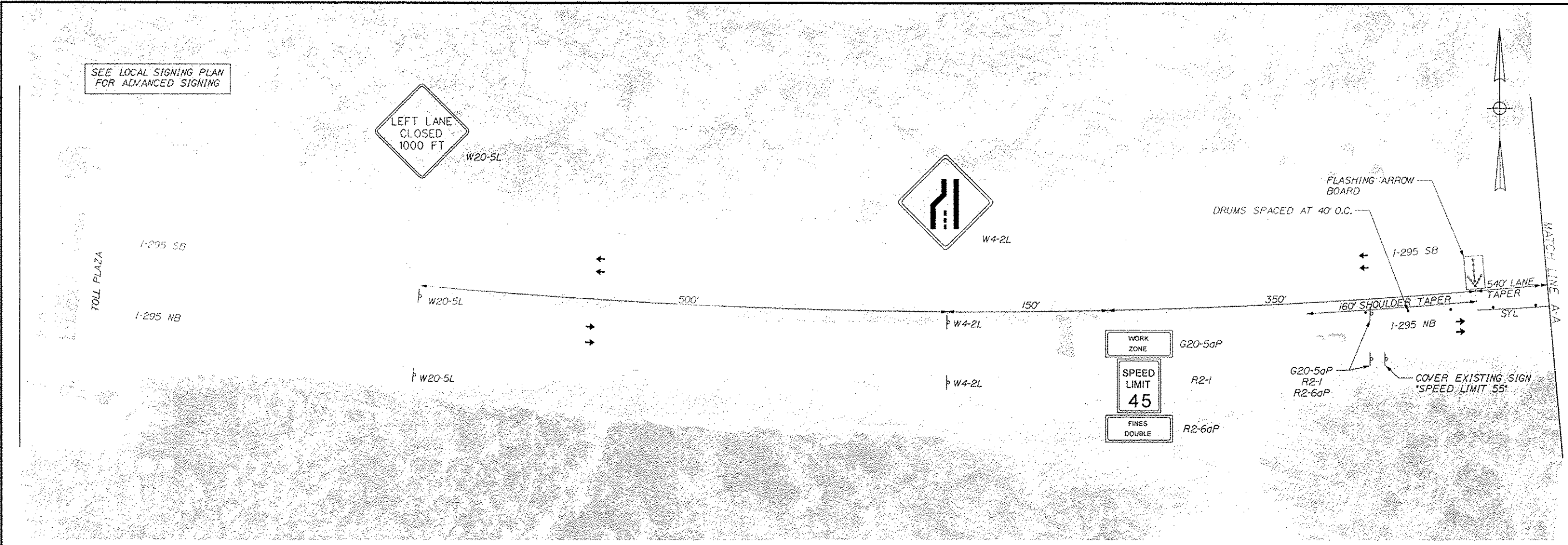


Date: 12/21/2011

Username: bhavu

Division: BRIDGE

Filename: 068_WZ_01 Ph 03 Plan 01.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

WORK ZONE 1 (SR 703)

PHASE III SHEET 1 of 2

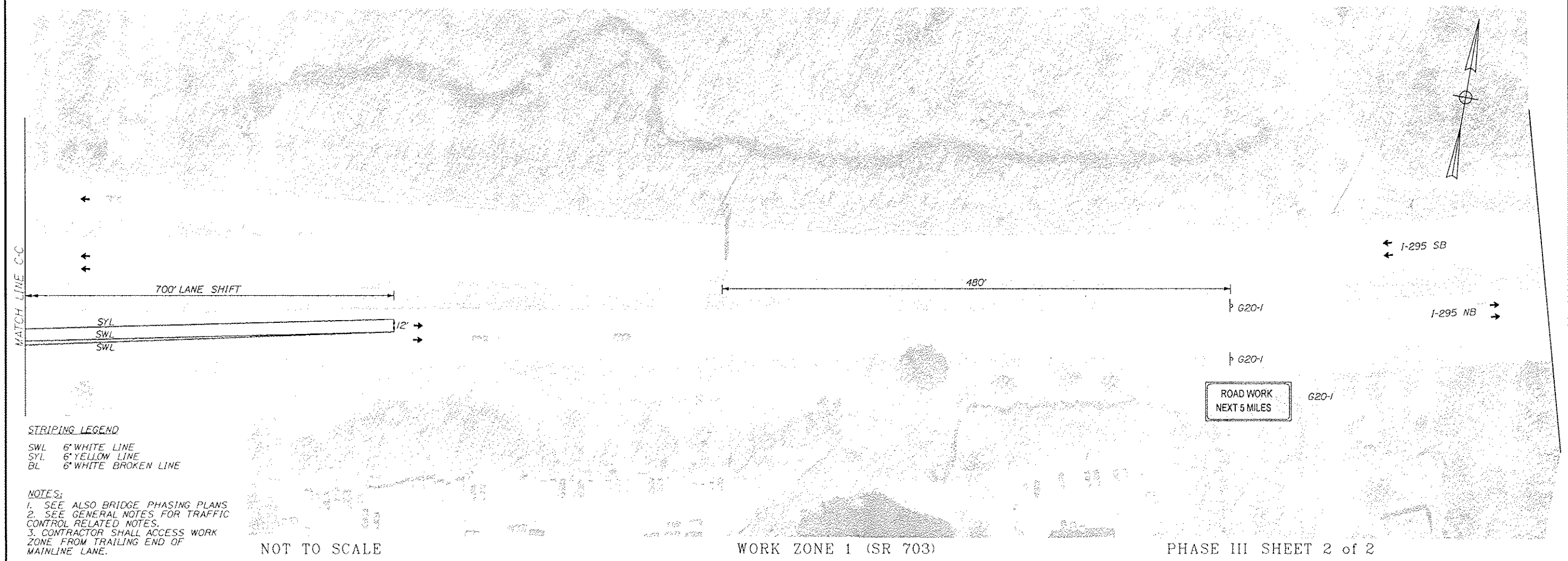
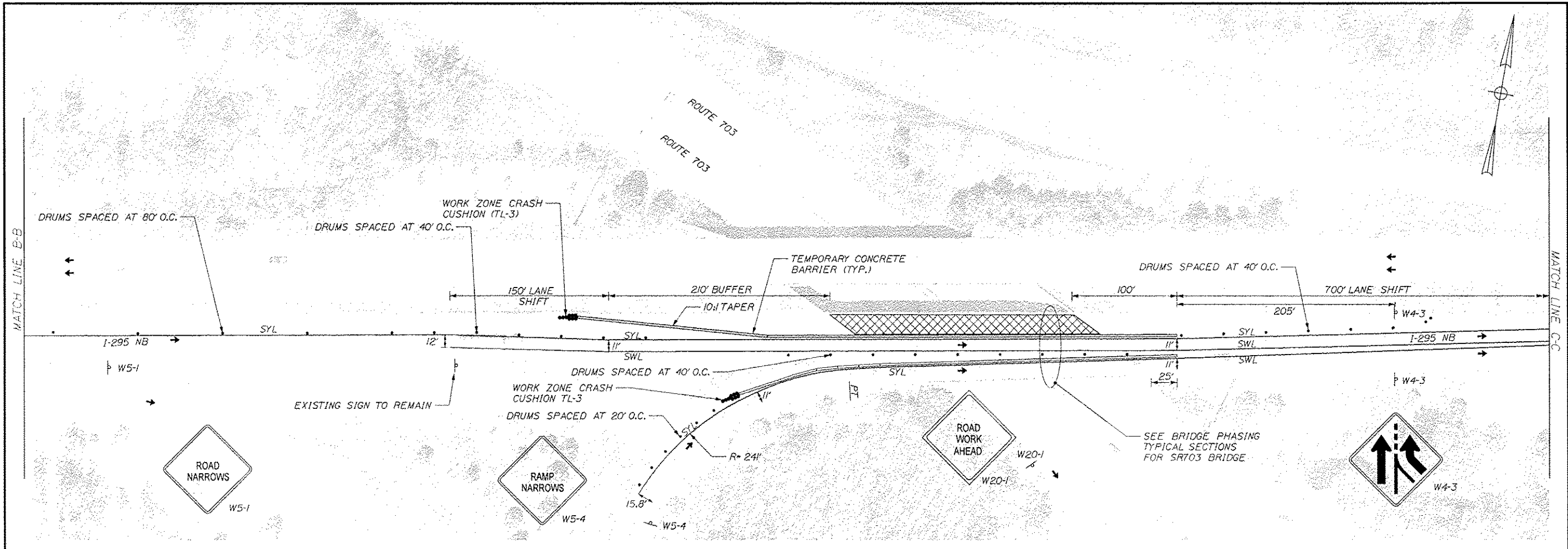
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INTERSTATE 295 NORTHBOUND		WORK ZONE 1 (SR 703)		S. PORTLAND CUMBERLAND COUNTY		TRAFFIC CONTROL PLAN		SHEET NUMBER		68	
DATE		BY		JOB		PROJ. MANAGER		DESIGNER		CHECKED	
12/21/11		BH		068_WZ_01 Ph 03		SR 703		068_WZ_01 Ph 03		068_WZ_01 Ph 03	
SIGNATURE		P.E. NUMBER		DATE		REVISIONS		REVISIONS		REVISIONS	
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						4		5		6	
						7		8		9	
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Date: 12/21/2011

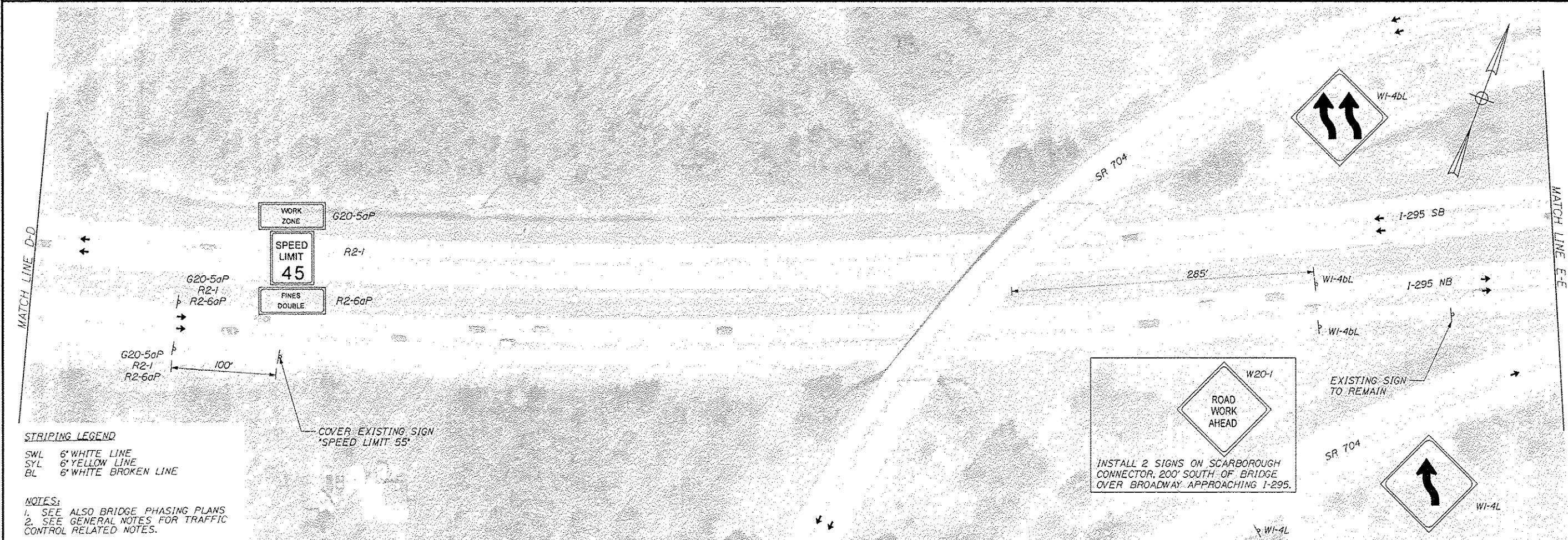
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Division: BRIDGE

Filename: 069_WZ 01 Ph 03 Plan 02 .dgn



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. VARIES		PIN 17929.10		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND		WORK ZONE 1 (SR 703)		S. PORTLAND CUMBERLAND COUNTY		TRAFFIC CONTROL PLAN		SHEET NUMBER		69	
DATE		SIGNATURE		P.E. NUMBER		DATE				OF 111	
DESIGN		CHECKED		DESIGNED		REVISIONS 1		REVISIONS 2		REVISIONS 3	
PROJECT MANAGER		DESIGNED		REVISIONS 4		FIELD CHANGES					



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

WORK ZONE 2 (WESTBROOK STREET)

PHASE 1 SHEET 1 of 2

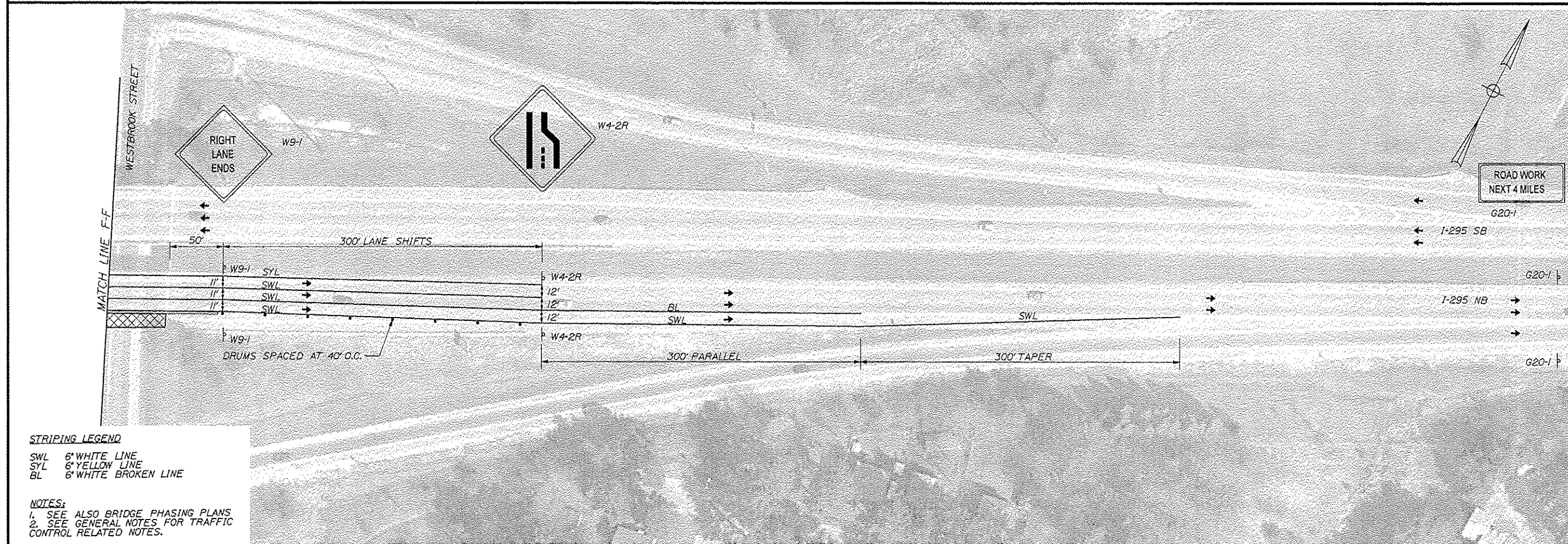
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-1792(910)E		BRIDGE NO VARIES	
PIN 17929.10		BRIDGE PLANS	
DATE	BY	DATE	BY
12/11	WFC	12/11	WFC
12/11	TRC	12/11	TRC
SIGNATURE		P.E. NUMBER	
DATE		DATE	
REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES	

INTERSTATE 295 NORTHBOUND
WORK ZONE 2 (WESTBROOK STREET)
S. PORTLAND CUMBERLAND COUNTY

TRAFFIC CONTROL PLAN

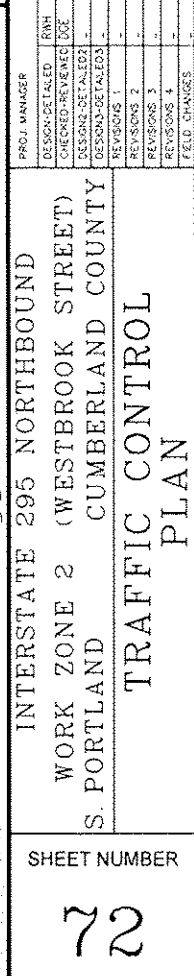
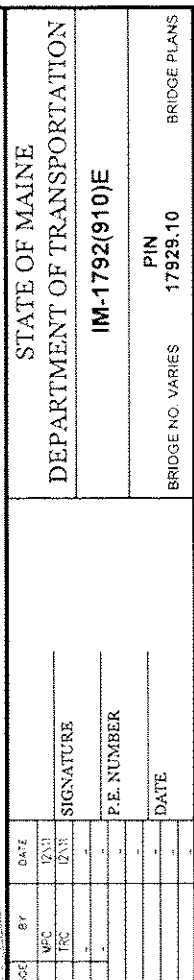
SHEET NUMBER 70

OF 111

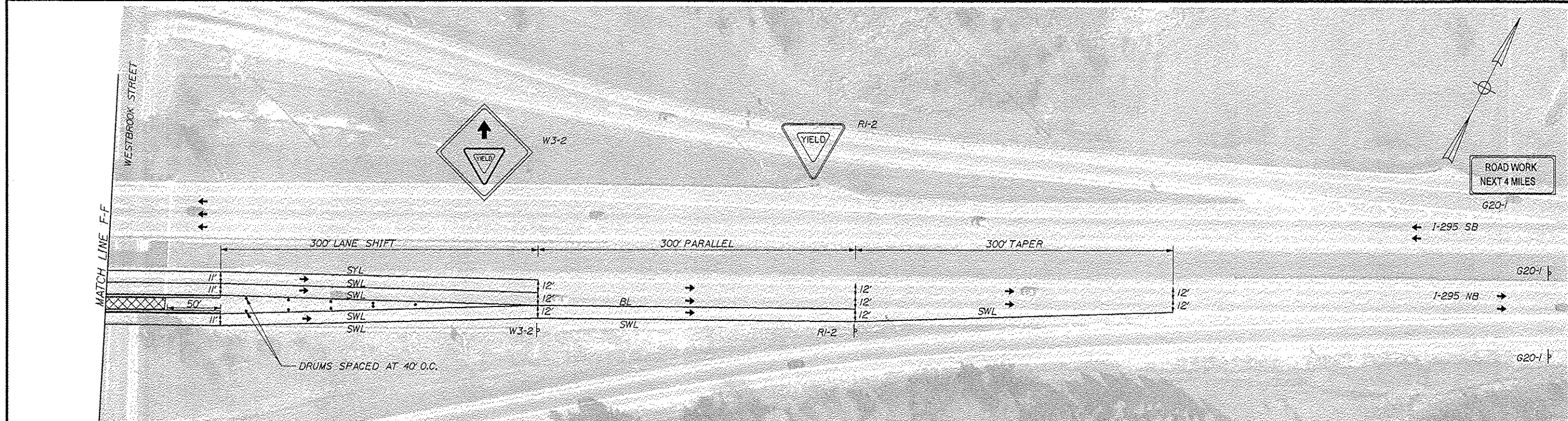
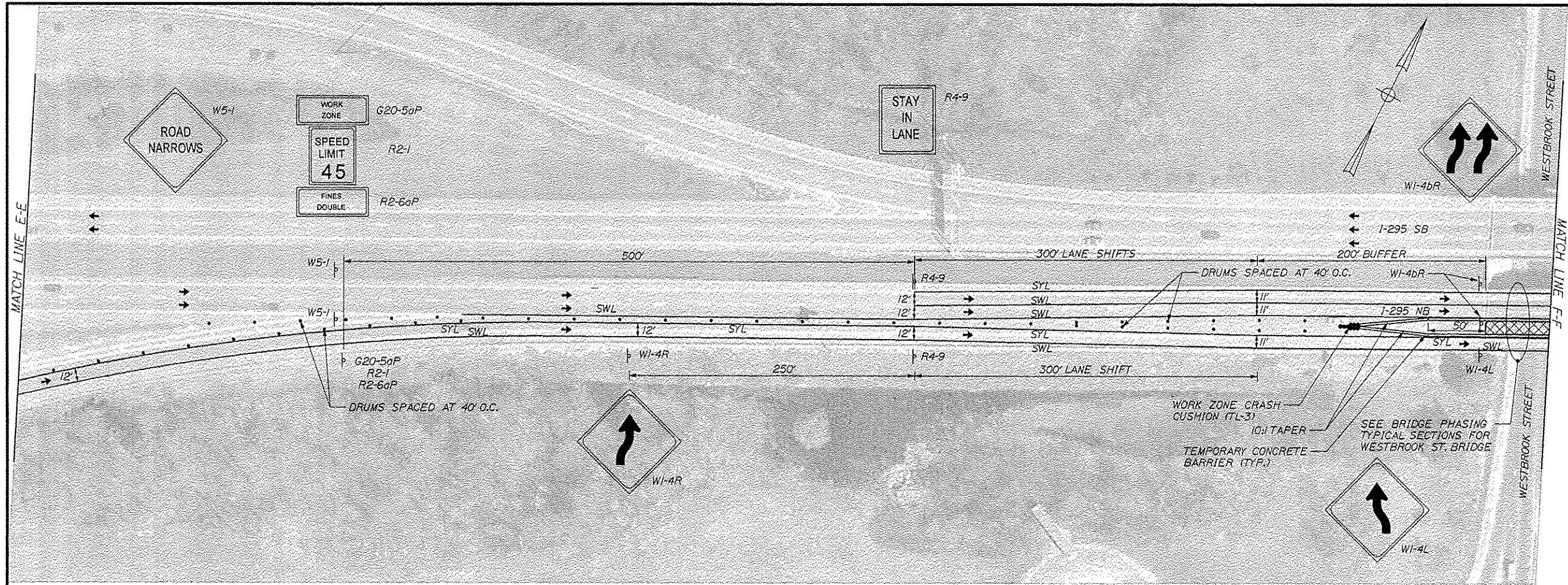


PHASE I SHEET 2 of 2

INTERSTATE 295 NORTHBOND WORK ZONE 2 (WESTBROOK STREET) S. PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN	PROJECT MANAGER	DESIGN-DETAILED	BY	DATE
	DESIGN-REVIEWED	BY	DATE	
	DESIGN-DETAIL	BY	DATE	
	DESIGN-DETAIL	BY	DATE	
REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES				
STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E BRIDGE NO. VARIES PIN 17929.10 BRIDGE PLANS				



PHASE II SHEET 1 of 2



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

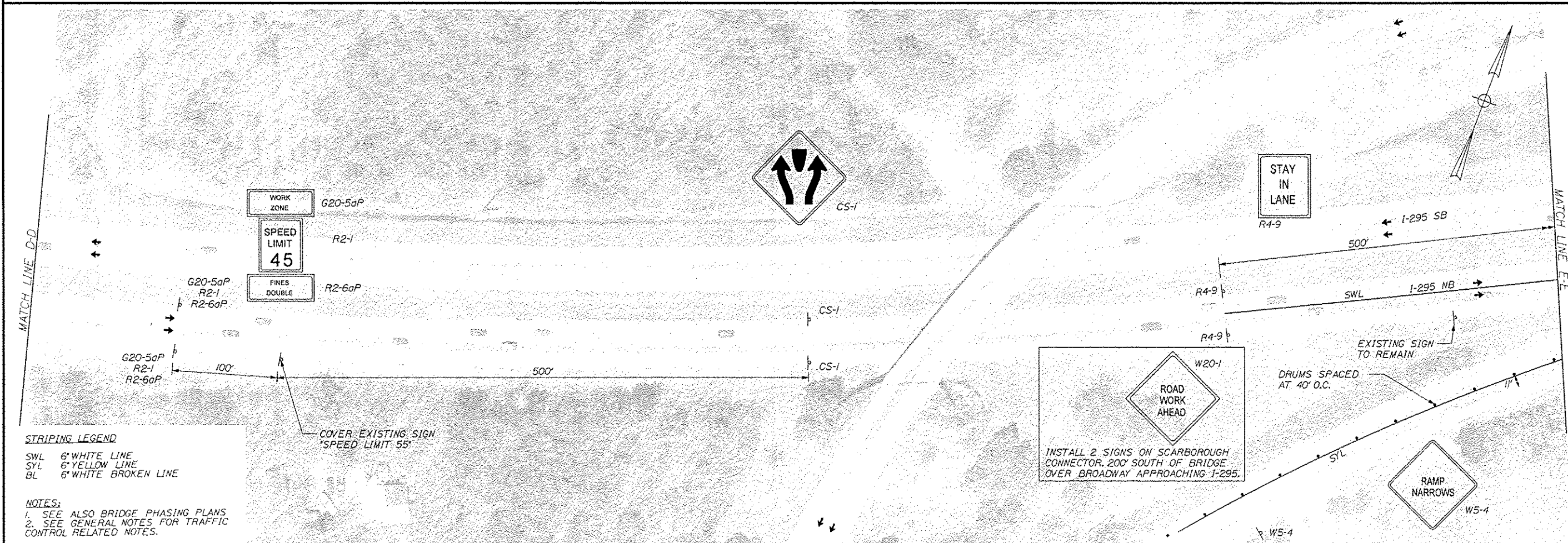
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.
3. CONTRACTOR SHALL ACCESS WORK ZONE FROM TRAILING END OF ON-RAMP LANE.

NOT TO SCALE

WORK ZONE 2 (WESTBROOK STREET)

PHASE II SHEET 2 of 2

SHEET NUMBER										STATE OF MAINE									
73 OF 111										DEPARTMENT OF TRANSPORTATION									
										IM-1792(910)E									
										BRIDGE NO. VARIES PIN BRIDGE PLANS									
INTERSTATE 295 NORTHBOUND WORK ZONE 2 (WESTBROOK STREET) S. PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN										DATE		BY		DOE		SIGNATURE		P.E. NUMBER	
										DATE		BY		DOE		SIGNATURE		P.E. NUMBER	
										DATE		BY		DOE		SIGNATURE		P.E. NUMBER	
										DATE		BY		DOE		SIGNATURE		P.E. NUMBER	
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										DATE		BY		DOE		SIGNATURE		P.E. NUMBER	
										DATE		BY		DOE		SIGNATURE		P.E. NUMBER	



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

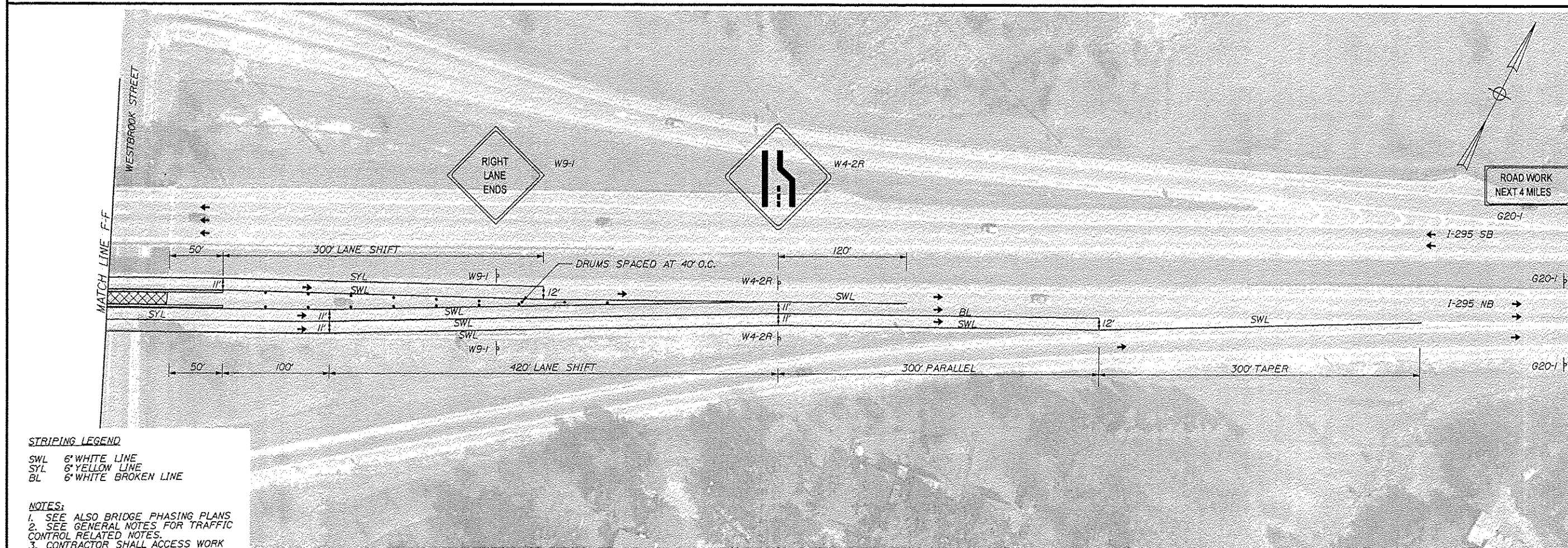
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

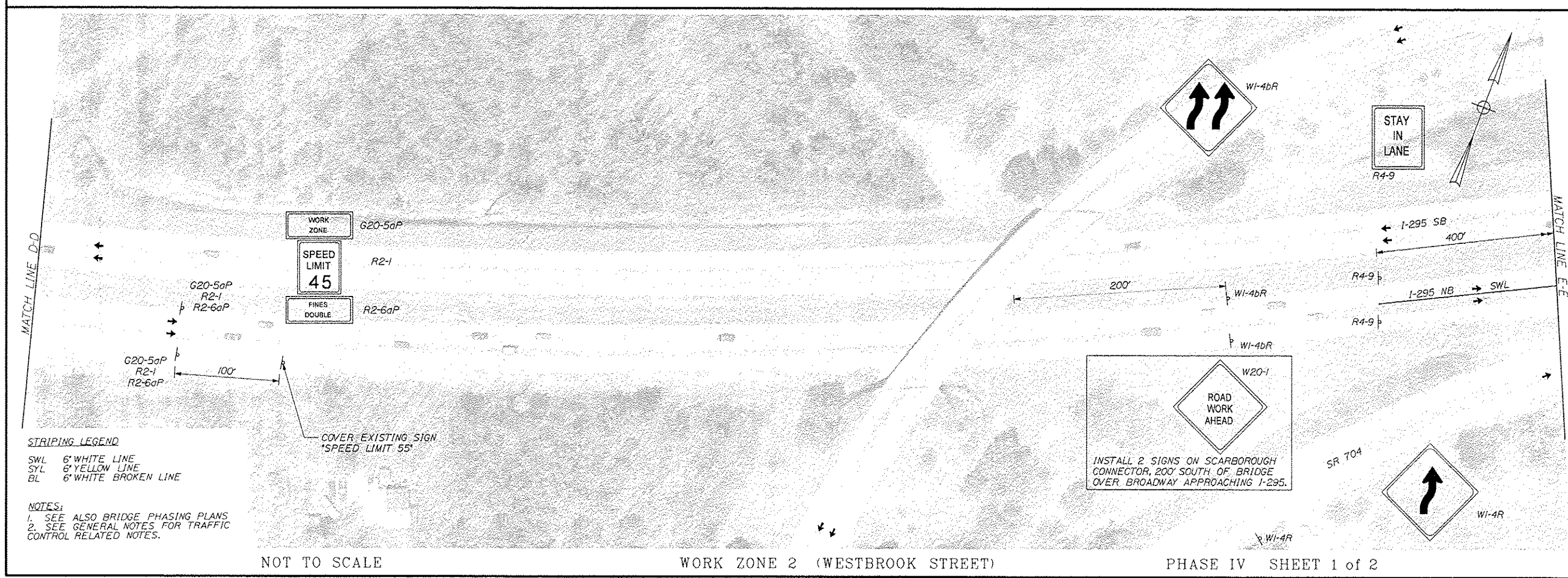
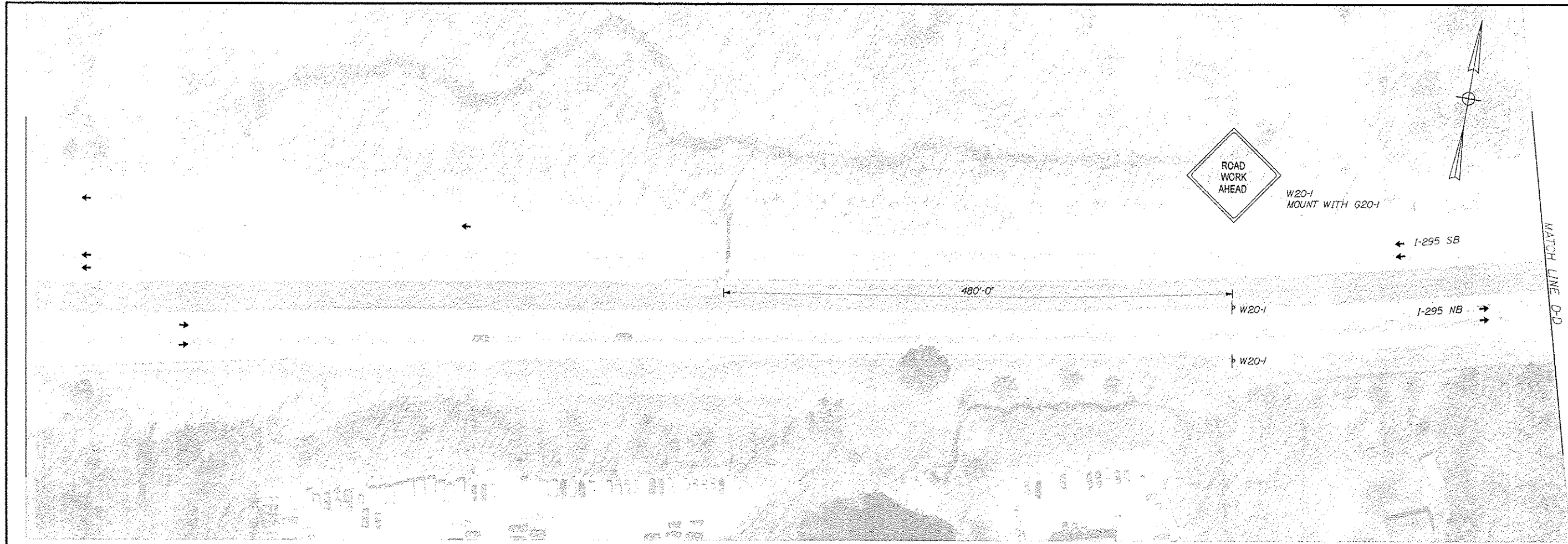
WORK ZONE 2 (WESTBROOK STREET)

PHASE III SHEET 1 of 2

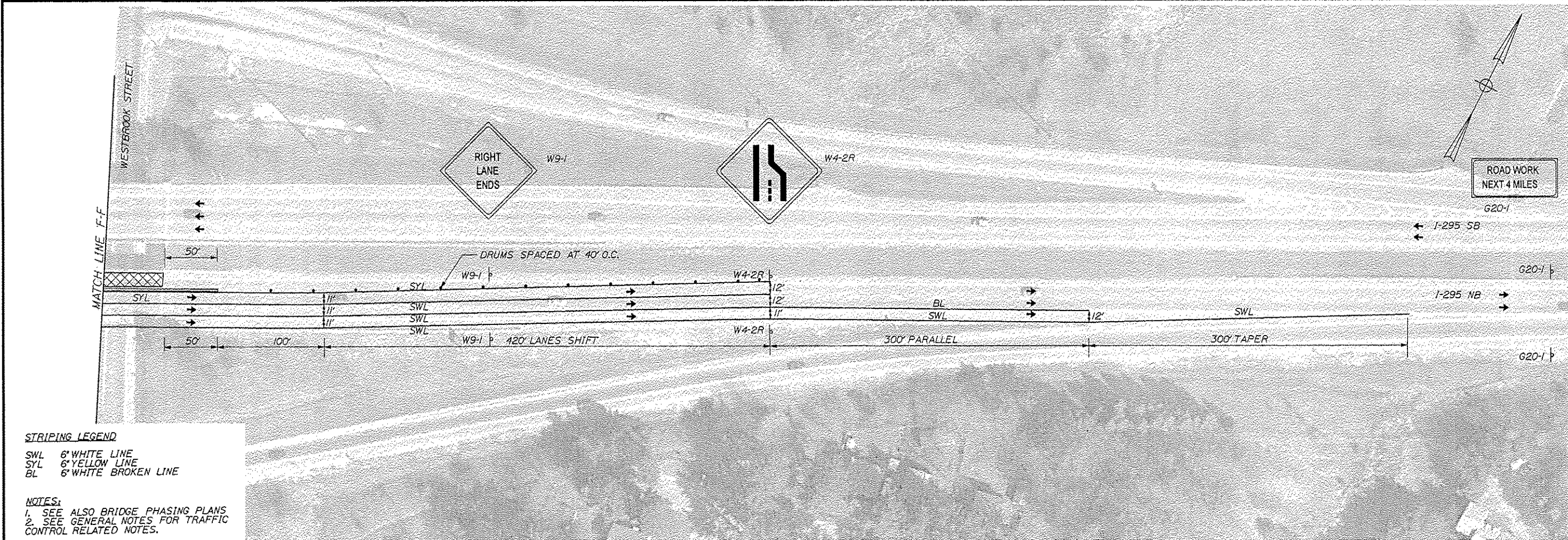
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								CHECKED-REVIEWED		JSE						SIGNATURE			
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OF 111				TRAFFIC CONTROL PLAN				DESIGN-DETAILED										IM-1792(910)E	
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INTERSTATE 295 NORTHBOUND WORK ZONE 2 (WESTBROOK STREET) S. PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN	SHEET NUMBER		75		OF 111	
	PROJ. MANAGER	DWG	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	
	DESIGN-DETAILED	RWA	MPC	12/11		
	CHECKED-REVIEWED	DGE	TRC	12/11		
SIGNATURE					PIN 17929.10 BRIDGE NO. VARIES BRIDGE PLANS	
DESIGN-DETAILED2						
DESIGN-DETAILED3						
REVISIONS 1					P.E. NUMBER	
REVISIONS 2					DATE	
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. VARIES		PIN 17929.10		BRIDGE PLANS	
PROJ. NUMBER	DESIGN DETAIL	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE	TRAFFIC CONTROL PLAN	
DESIGN DETAIL	DESIGN DETAIL	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE		
DESIGN DETAIL	DESIGN DETAIL	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE		
DESIGN DETAIL	DESIGN DETAIL	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE		
DESIGN DETAIL	DESIGN DETAIL	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE		
INTERSTATE 295 NORTHBOUND WORK ZONE 2 (WESTBROOK STREET) S. PORTLAND CUMBERLAND COUNTY								SHEET NUMBER 76	
NOT TO SCALE								OF 111	



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

WORK ZONE 2 (WESTBROOK STREET)

PHASE IV SHEET 2 of 2

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
IM-1792(910)E

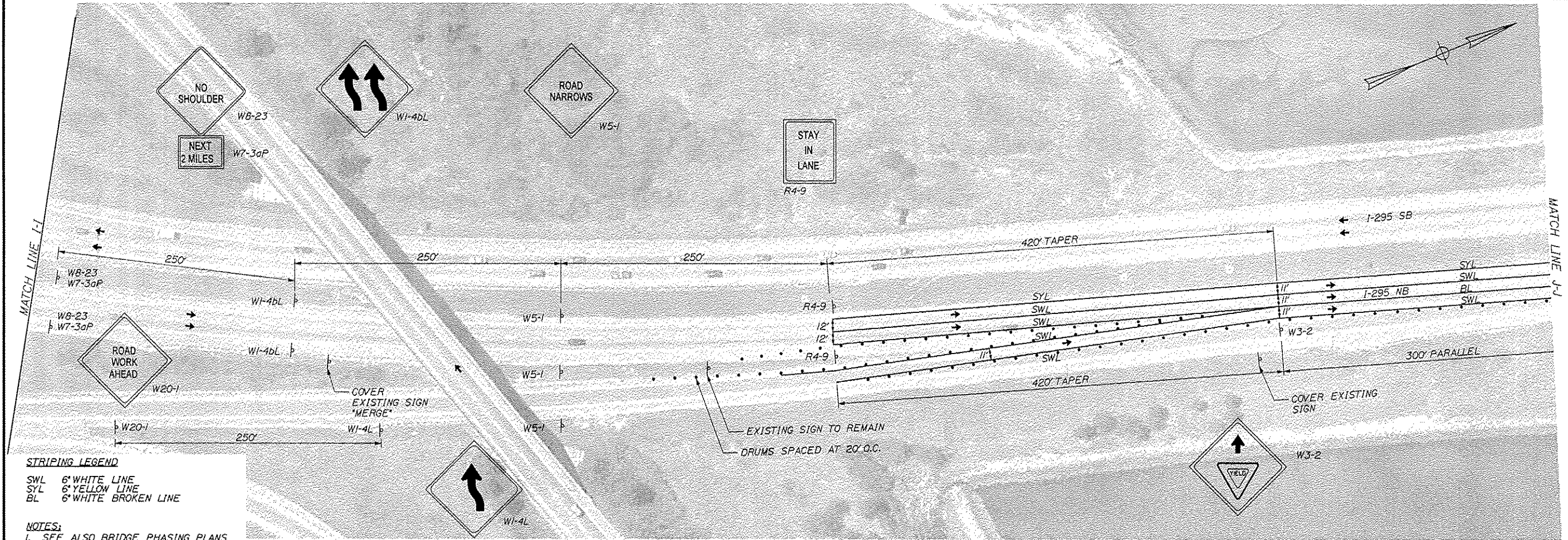
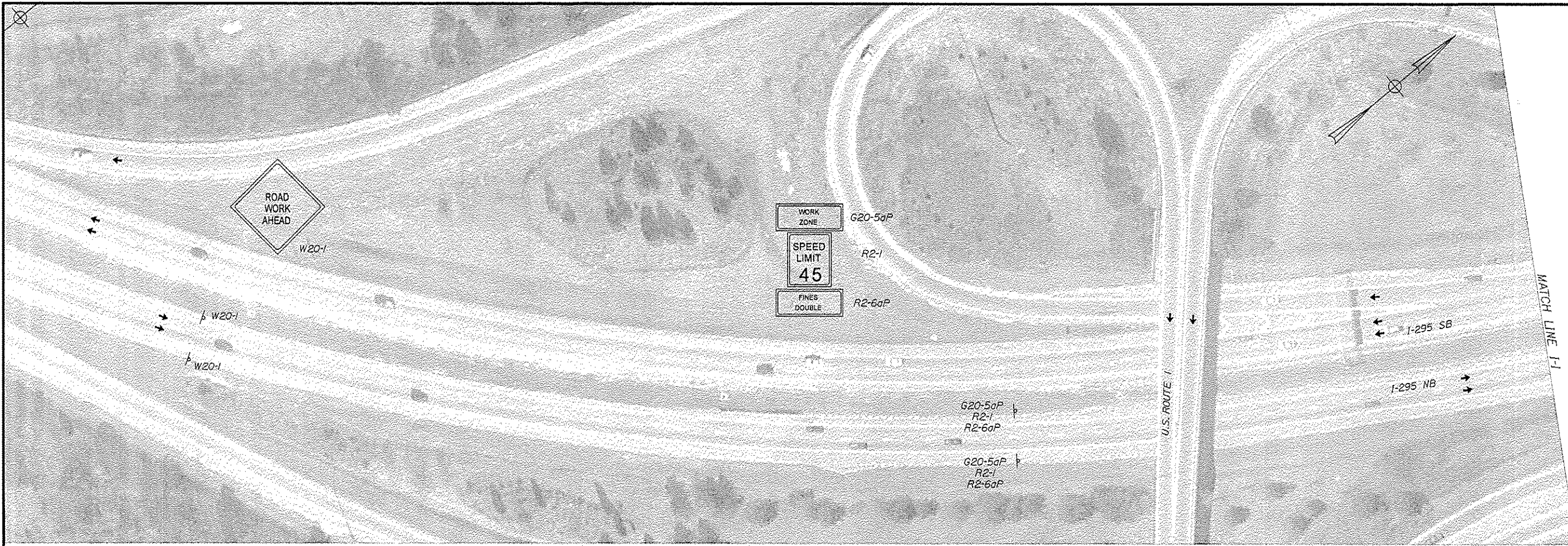
BRIDGE NO. VARIES
PIN 17929.10
BRIDGE PLANS

INTERSTATE 295 NORTHBOUND
WORK ZONE 2 (WESTBROOK STREET)
S. PORTLAND CUMBERLAND COUNTY

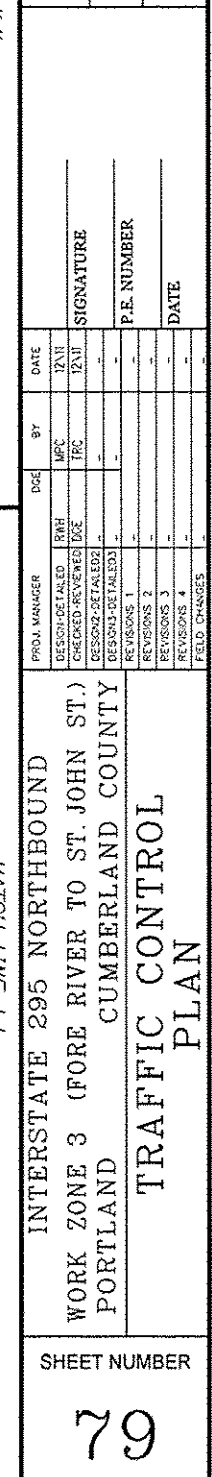
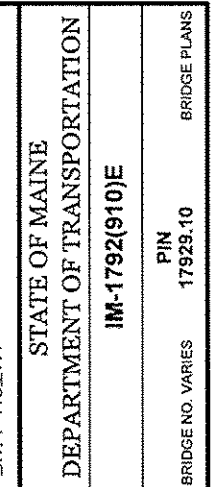
TRAFFIC CONTROL PLAN

SHEET NUMBER
77
OF 111

PROJ. MANAGER	DESIGNED	CHECKED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
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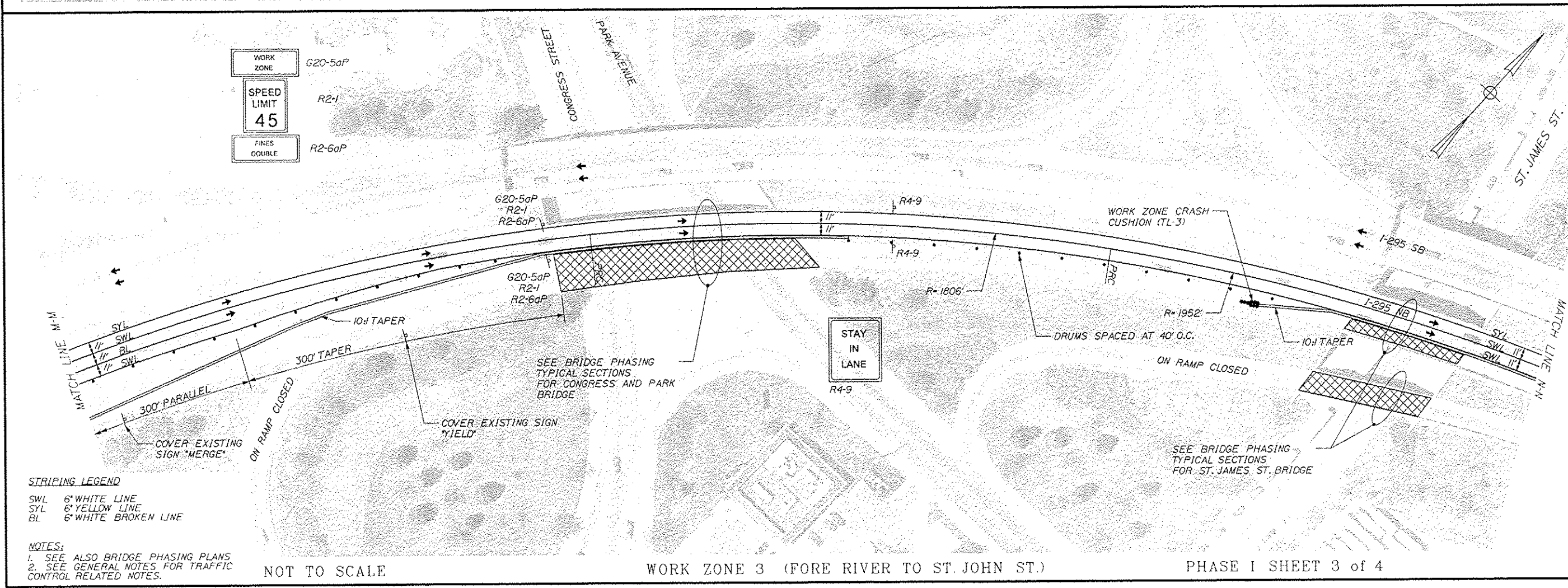
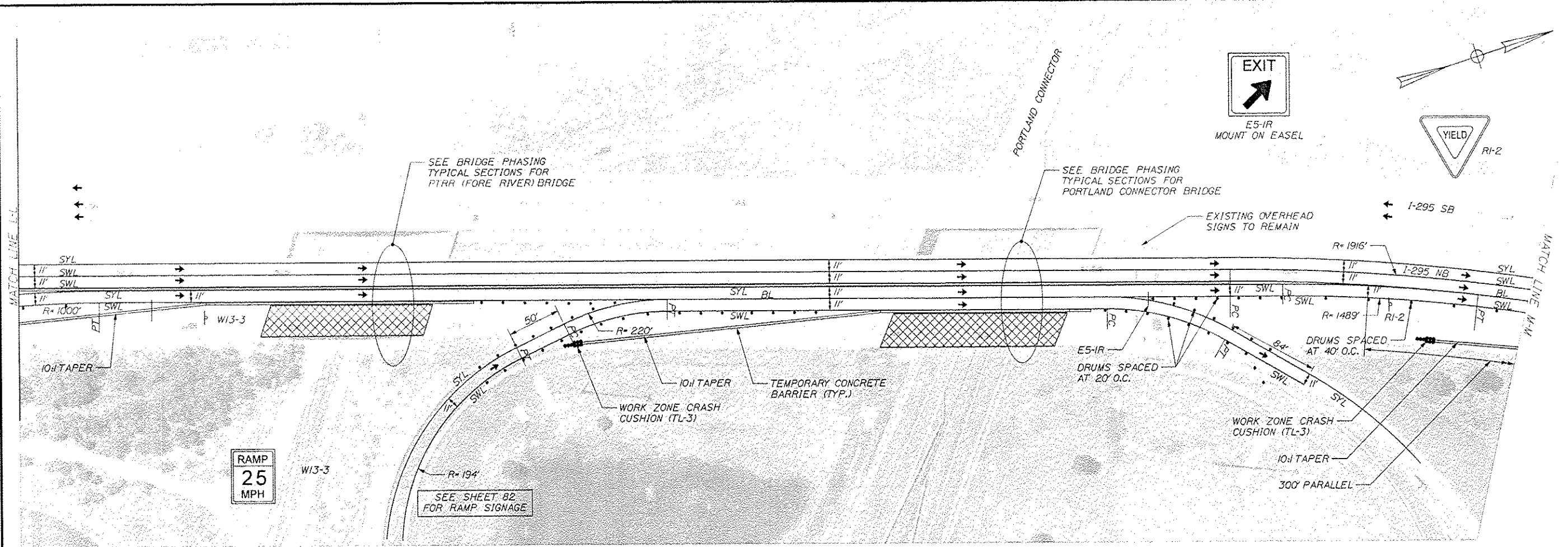


STATE OF MAINE										DEPARTMENT OF TRANSPORTATION										IM-1792(910)E										PIN 17929.10										BRIDGE NO. VARIES										BRIDGE PLANS									
INTERSTATE 295 NORTHBOUND										WORK ZONE 3 (FORE RIVER TO ST. JOHN ST.)										PORTLAND										CUMBERLAND COUNTY										TRAFFIC CONTROL PLAN										SHEET NUMBER									
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NOTES:
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CONTROL RELATED NOTES.

PHASE I SHEET 2 of 4



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

WORK ZONE 3 (FORE RIVER TO ST. JOHN ST.)

PHASE I SHEET 3 of 4

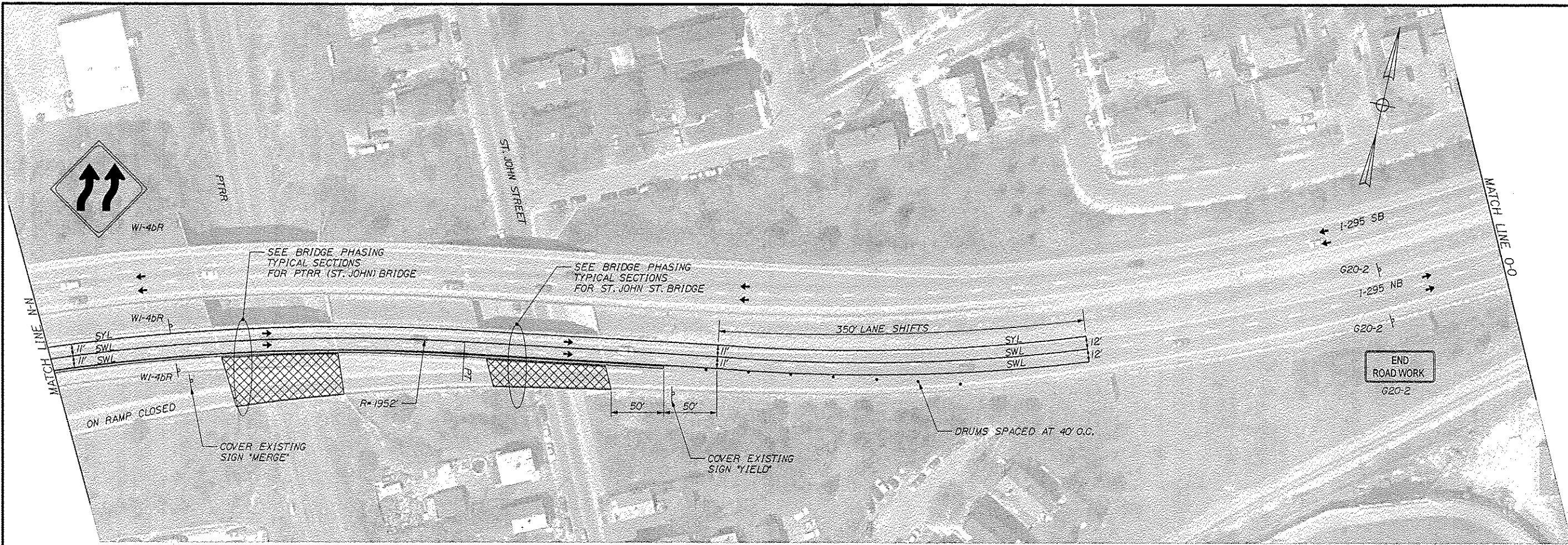
INTERSTATE 295 NORTHBOUND					PROJ. MANAGER	DSE	BY	DATE	STATE OF MAINE		
WORK ZONE 3 (FORE RIVER TO ST. JOHN ST.)					SESSION DET. ALE. C	RWH	MPC	12/11	DEPARTMENT OF TRANSPORTATION		
PORTLAND					DESIGNED BY REV. ALE. C	JOE	TFC	12/11	IM-1792(910)E		
CUMBERLAND COUNTY					DESIGNED BY DET. ALE. C				BRIDGE NO. VARIES		
TRAFFIC CONTROL					DESIGNED BY REV. ALE. C				PIN		
PLAN					REVISED BY 2				17929.10		
SHEET NUMBER					REVISED BY 3				BRIDGE PLANS		
80					REVISED BY 4						
OF 111					TFC CHANGES						

Filename: 081_VZ_034_Pn_01Plan_04.dgn

Date: 12/21/2011

Username: bhavu

Division: BRIDGE



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

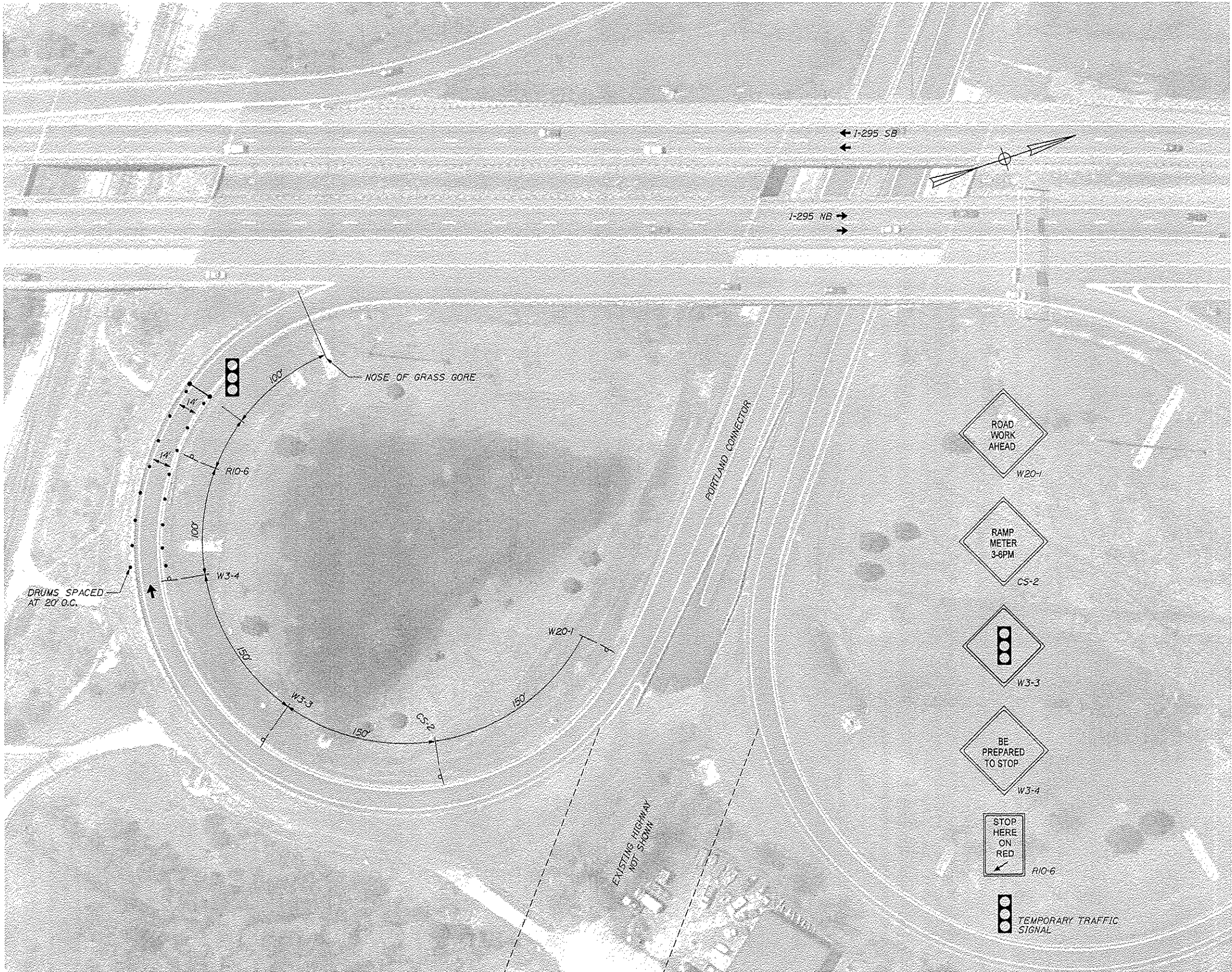
WORK ZONE 3 (FORE RIVER TO ST. JOHN ST.)

PHASE I SHEET 4 of 4

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E		BRIDGE NO. VARIES PIN 17929.10 BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND WORK ZONE 3 (FORE RIVER TO ST. JOHN ST.) PORTLAND CUMBERLAND COUNTY		TRAFFIC CONTROL PLAN	
SHEET NUMBER 81 OF 111		DATE 12/11 BY MFC CHECKED DCE DESIGNED DCE REVISIONS 1 2 3 4 FIELD CHANGES	

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

NOTES:
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2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

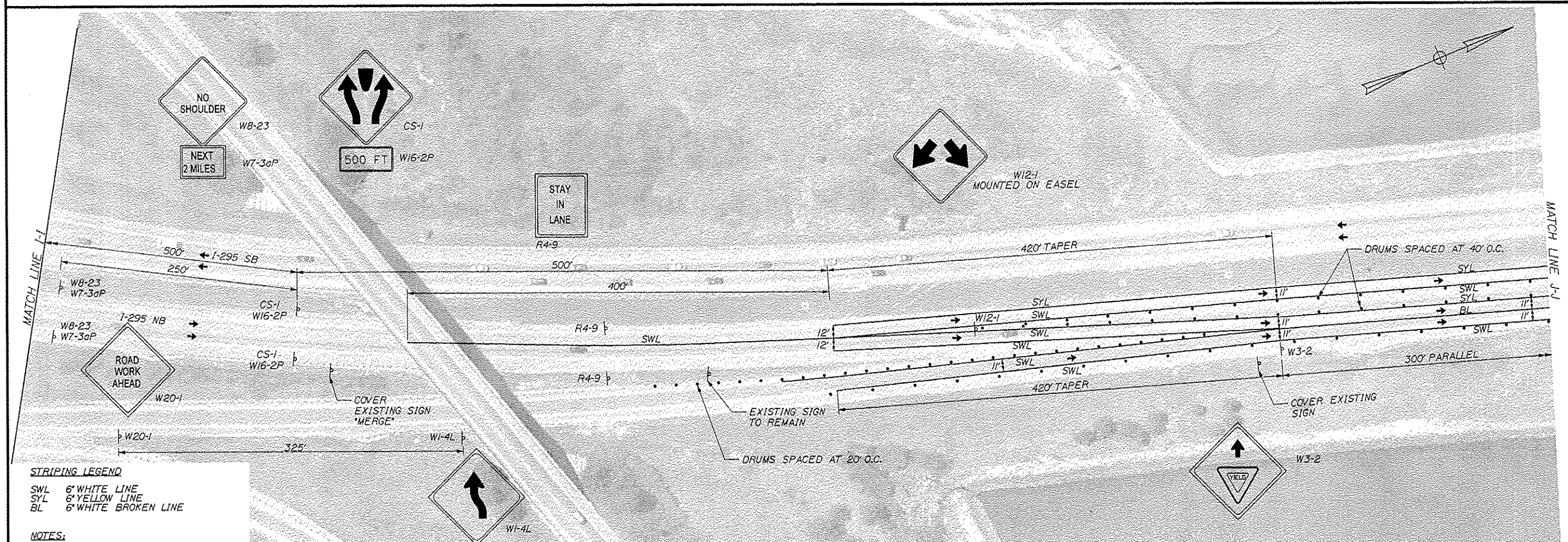
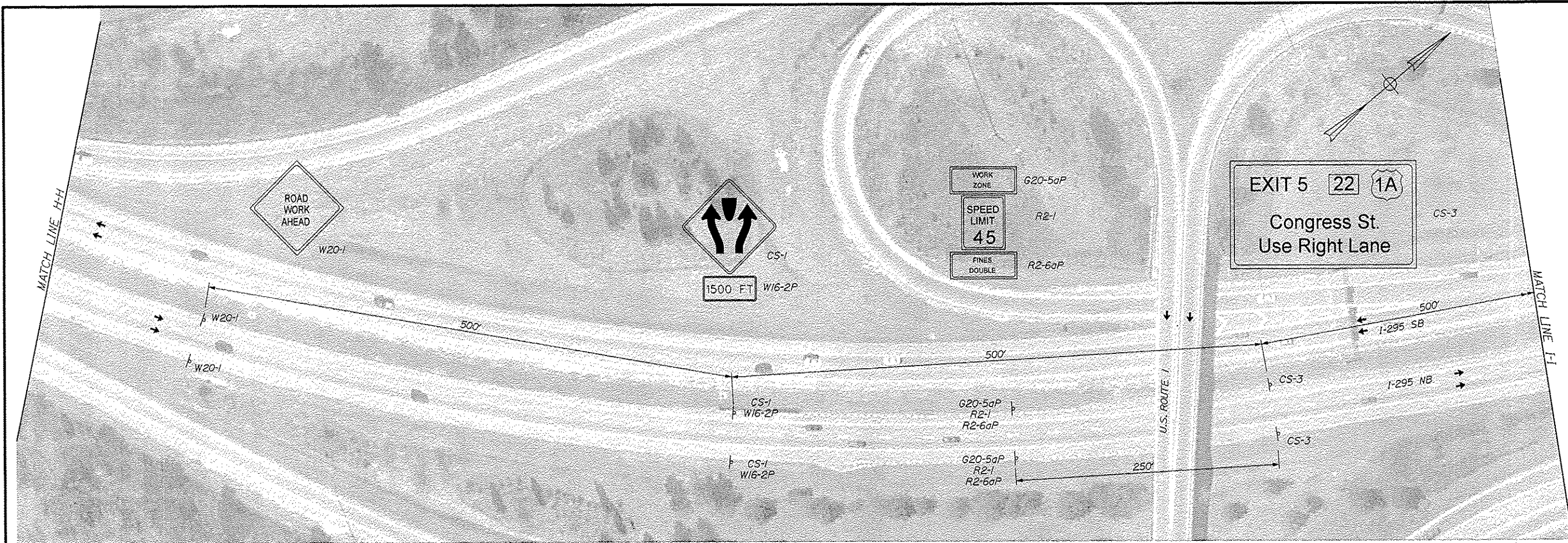


NOT TO SCALE

WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.)

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STATE OF MAINE										DEPARTMENT OF TRANSPORTATION										IM-1792(910)E										BRIDGE NO. VARIES										PIN 17929.10										BRIDGE PLANS																																																											
INTERSTATE 295 NORTHBOUND										WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.)										PORTLAND CUMBERLAND COUNTY										TRAFFIC CONTROL PLAN										SHEET NUMBER										82										OF 111																																																	
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STRIPING LEGEND

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

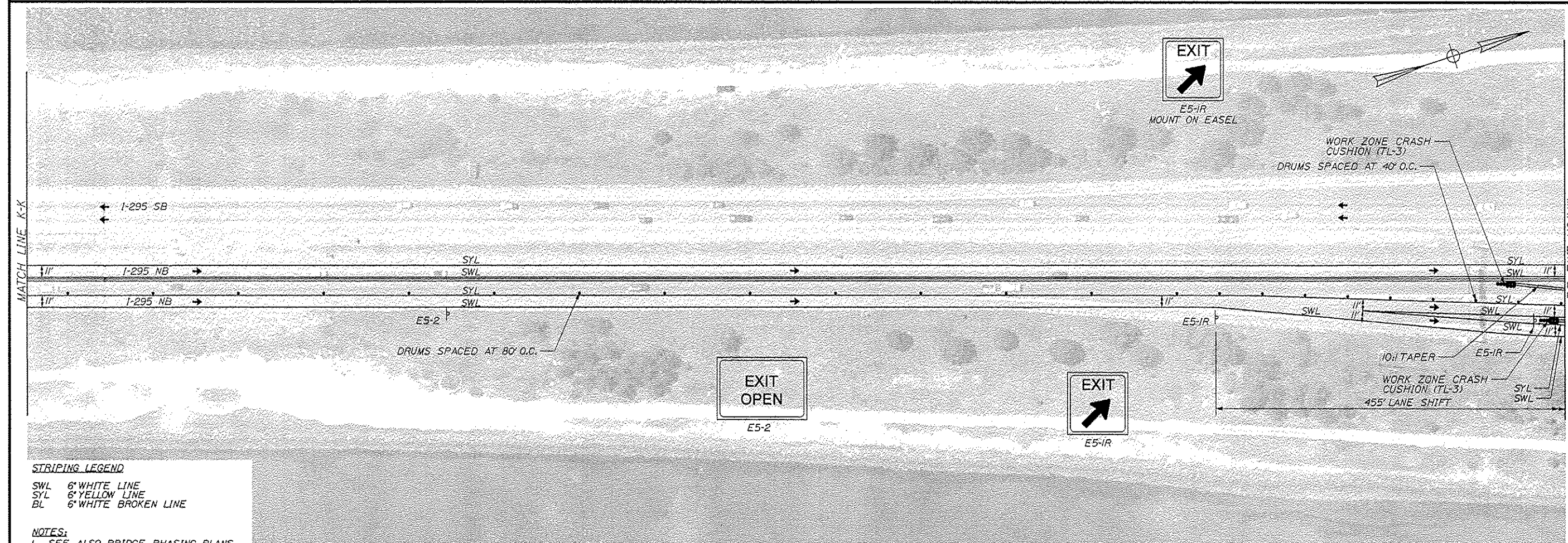
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC
CONTROL RELATED NOTES.

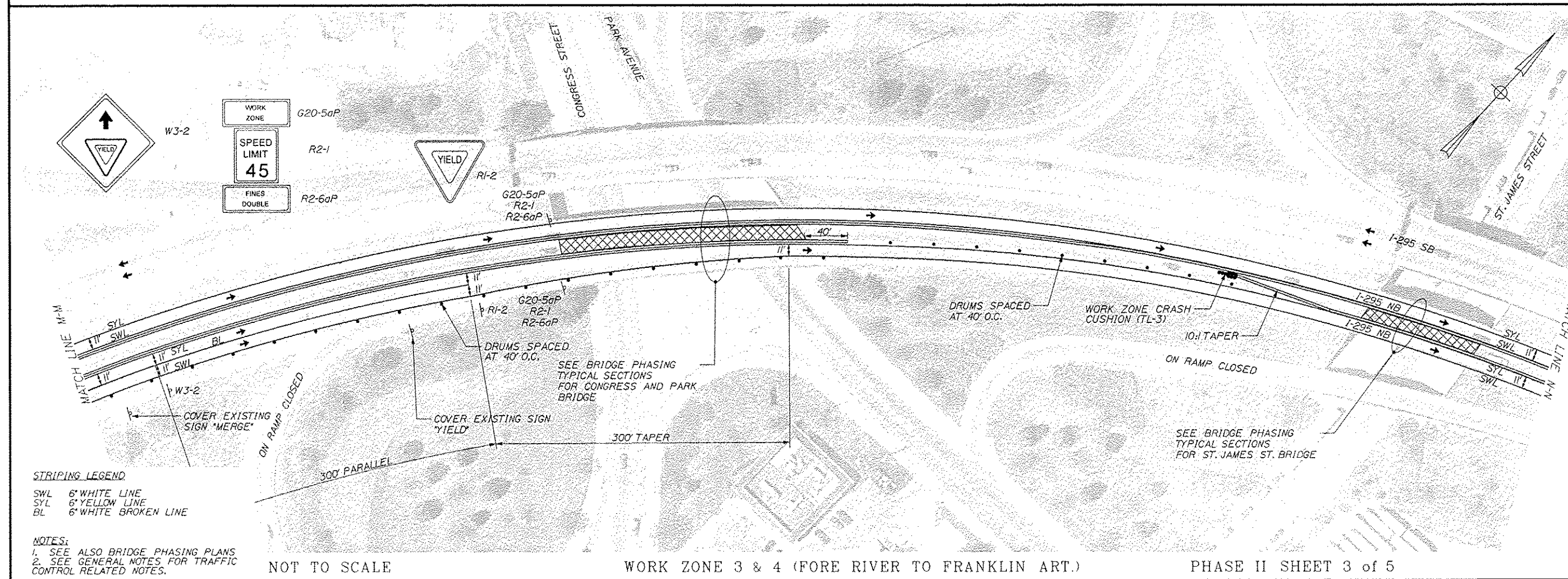
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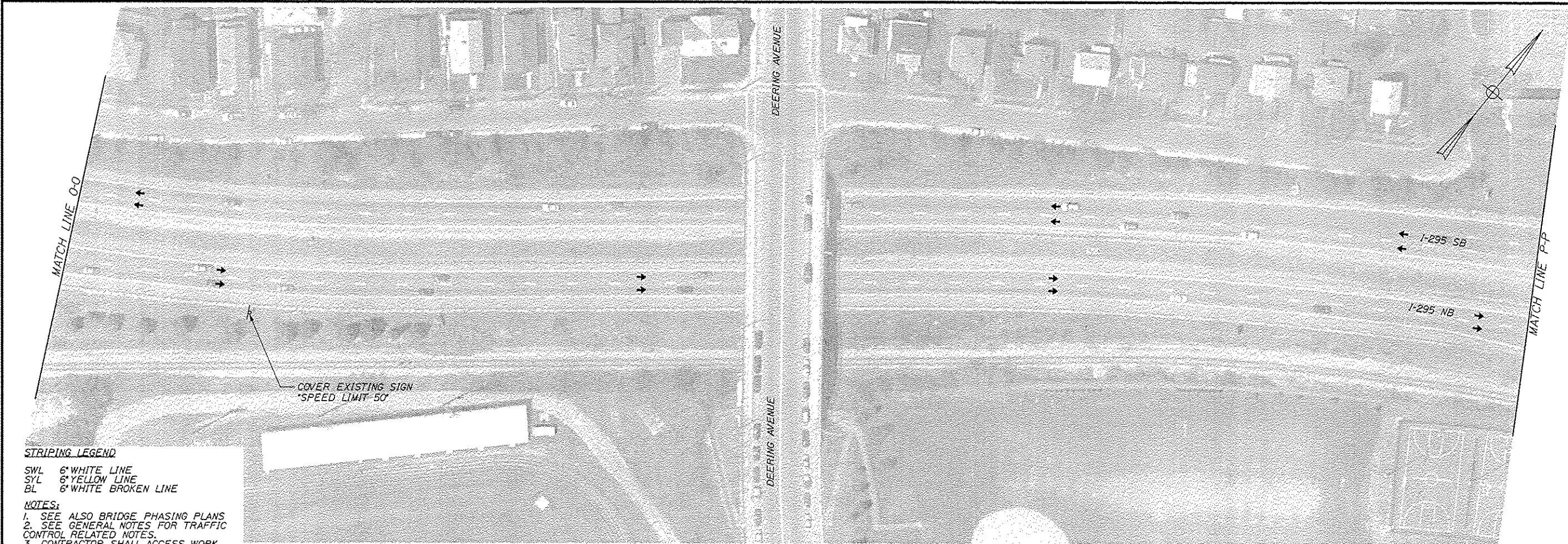
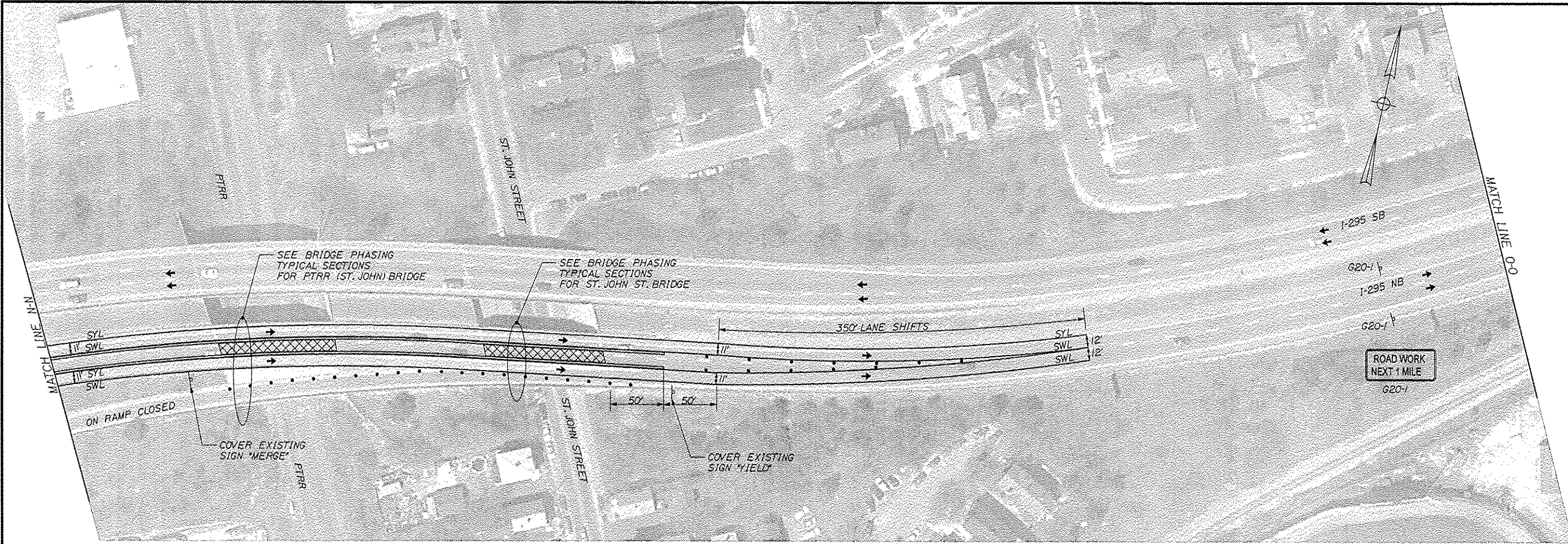
WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.)

PHASE II SHEET 1 of 5

SHEET NUMBER										STATE OF MAINE									
INTERSTATE 295 NORTHBOUND WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.) PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN										DEPARTMENT OF TRANSPORTATION									
										IM-1792(910)E									
										BRIDGE NO. VARIES									
										PIN 17929.10									
BRIDGE PLANS																			
PROJ. MANAGER										DATE									
DESIGN-DETAINED										BY									
CHECKED-REVIEWED										MFC									
DESIGN-DETAINED2										TRC									
DESIGN-DETAINED3										SIGNATURE									
REVISIONS 1										P.E. NUMBER									
REVISIONS 2																			
REVISIONS 3																			
REVISIONS 4										DATE									
FIELD CHANGES																			

[illegible]





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 SHALL ACCESS WORK ZONE FROM THE TRAILING END OF RT MAINLINE LANE.

NOT TO SCALE

WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.)

PHASE II SHEET 4 of 5

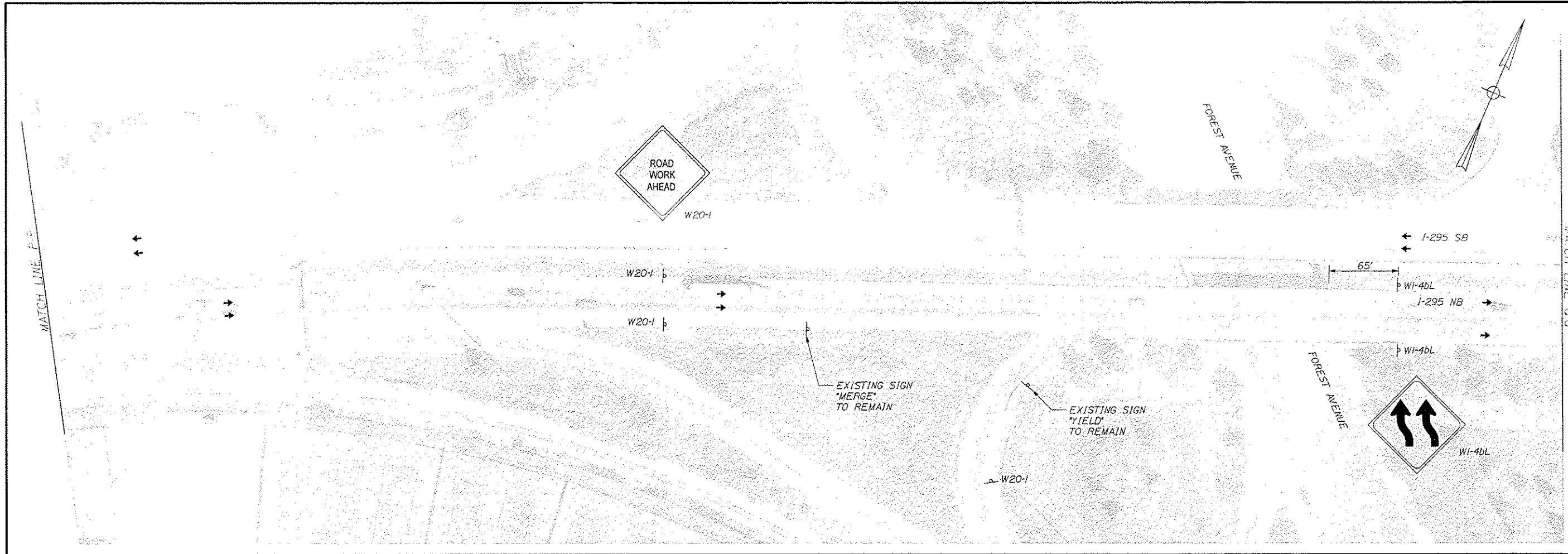
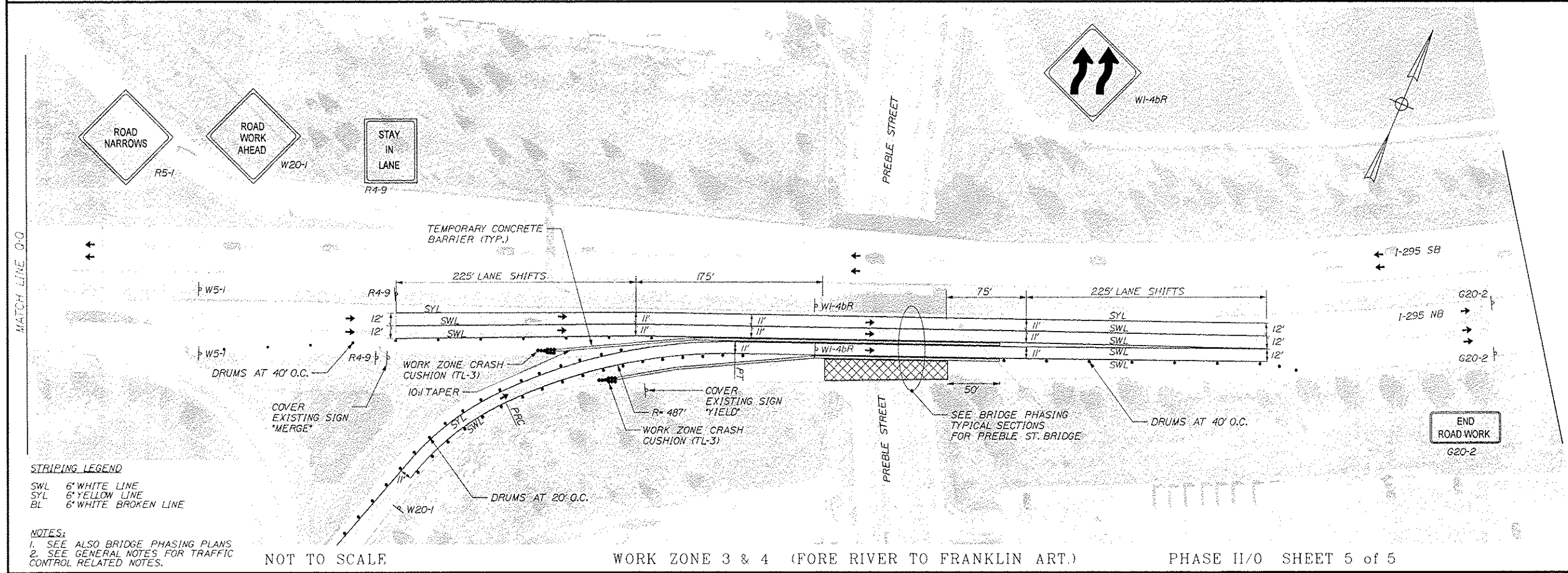
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INTERSTATE 295 NORTHBOUND WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.) PORTLAND CUMBERLAND COUNTY		TRAFFIC CONTROL PLAN	
SHEET NUMBER 86		OF 111	
DESIGNER RAH	CHECKED DCE	DATE 12/11	SIGNATURE
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REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
FIELD CHANGES			

Date: 12/21/2011

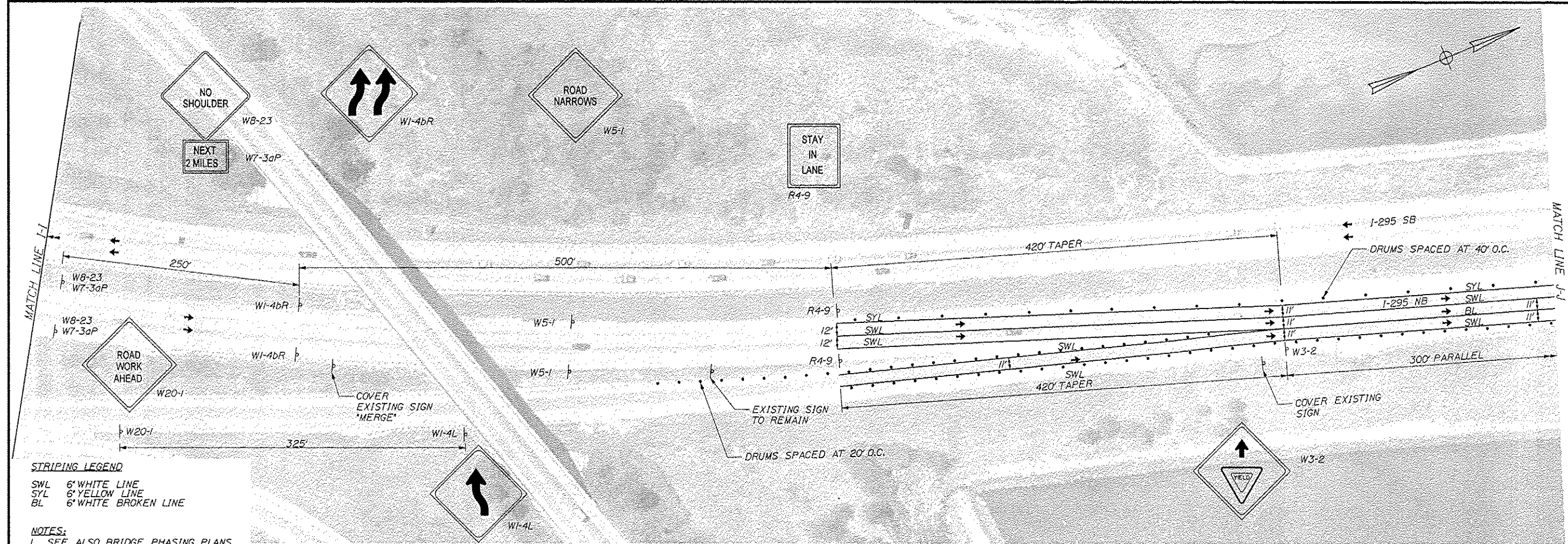
Username: bravo

Division: BROGE

Filename: 087_WZ_034 Ph 02 Plan 06 .dgn

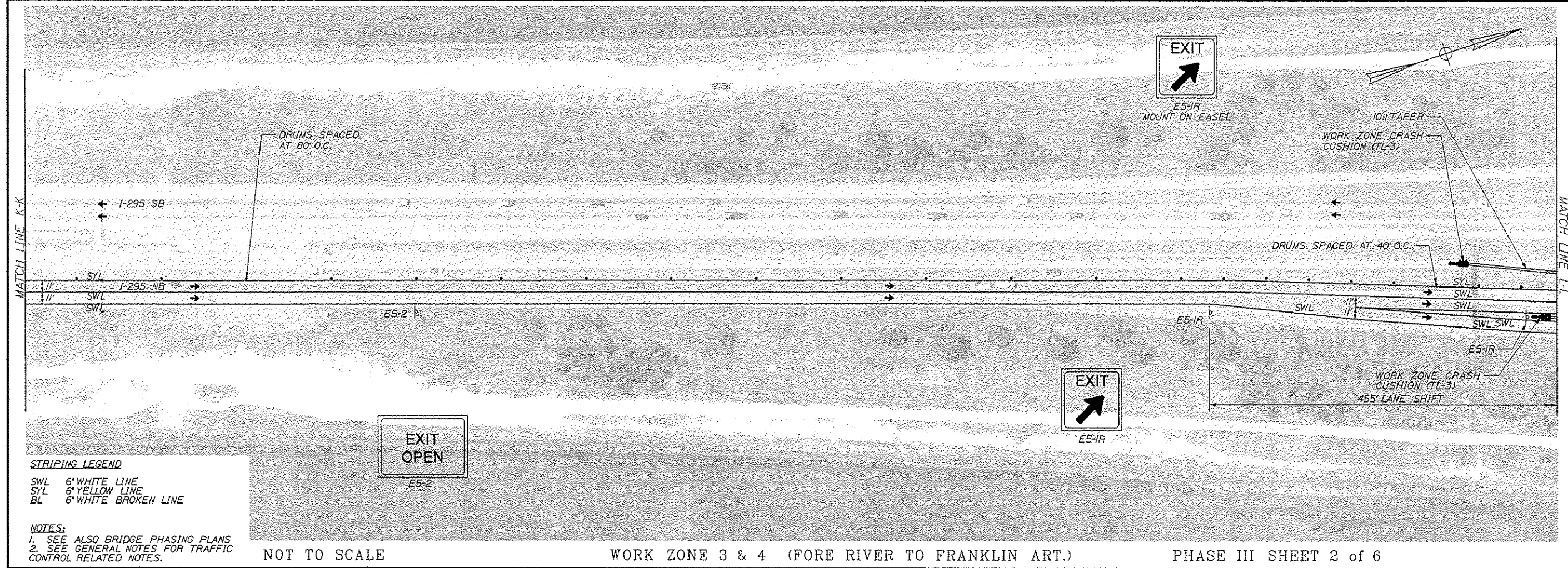


STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
IM-1792(910)E		BRIDGE NO. VARIES	
PIN 17929.10		BRIDGE PLANS	
PROJECT MANAGER	DATE	BY	DATE
DESIGN-DETAILED	2/11	UFC	2/11
CHECKED-REVIEWED	2/11	PC	2/11
DESIGN-DETAILED	2/11	PC	2/11
DESIGN-DETAILED	2/11	PC	2/11
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FILED CHANGES			
INTERSTATE 295 NORTHBOUND			
WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.)			
PORTLAND CUMBERLAND COUNTY			
TRAFFIC CONTROL PLAN			
SHEET NUMBER			
87			
OF 111			

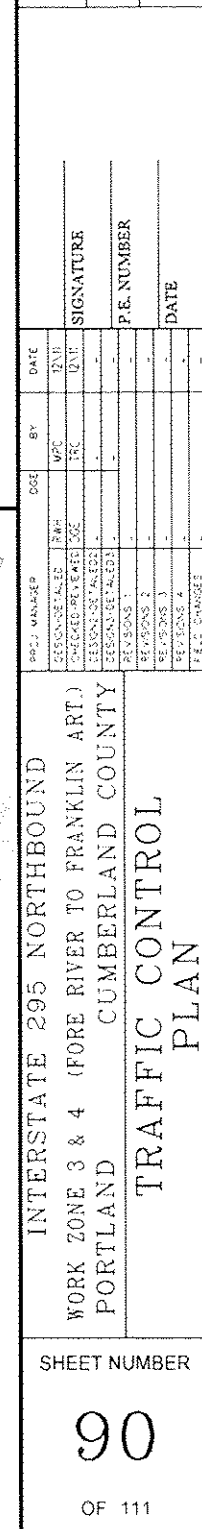
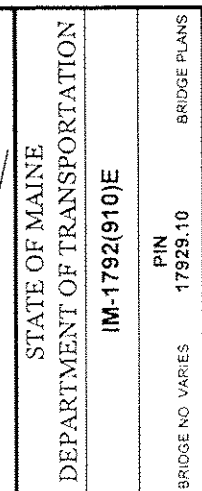


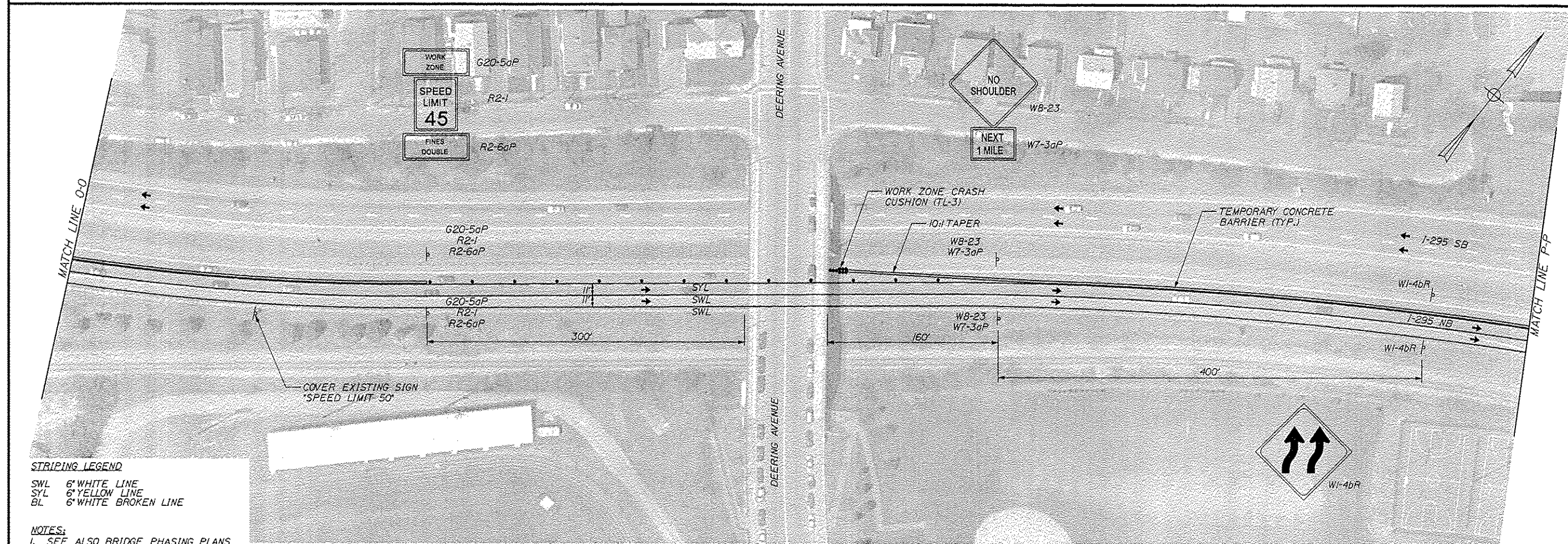
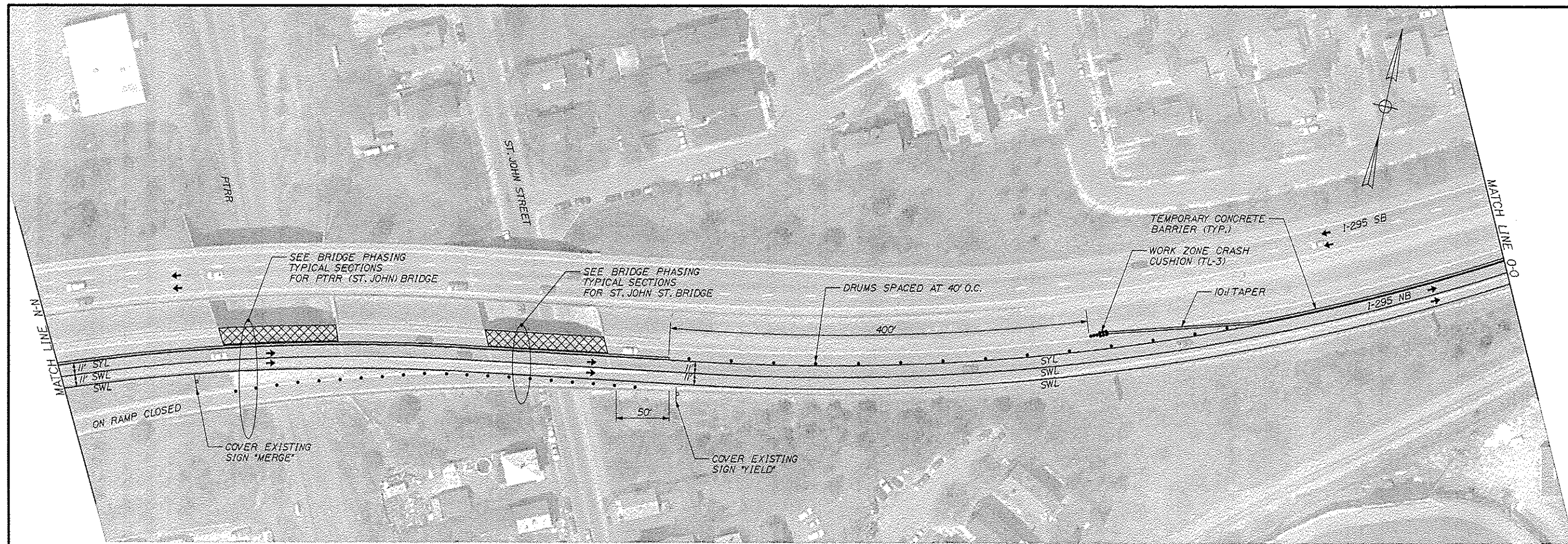
PHASE III SHEET 1 of 6

0000 OF 111	SHEET NUMBER		INTERSTATE 295 NORTHBOUND WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.) PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER				DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	
							DESIGN-DETAILED		RAH	MFC	12/11		
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							REVISIONS 4					DATE	
							FIELD CHANGES					BRIDGE NO. VARIES PIN 17925.10 BRIDGE PLANS	



SHEET NUMBER										STATE OF MAINE																			
INTERSTATE 295 NORTHBOUND WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.) PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN										DEPARTMENT OF TRANSPORTATION																			
										IM-1792(910)E																			
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FIELD CHANGES										-	-	-																	





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

WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.)

PHASE III SHEET 4 of 6

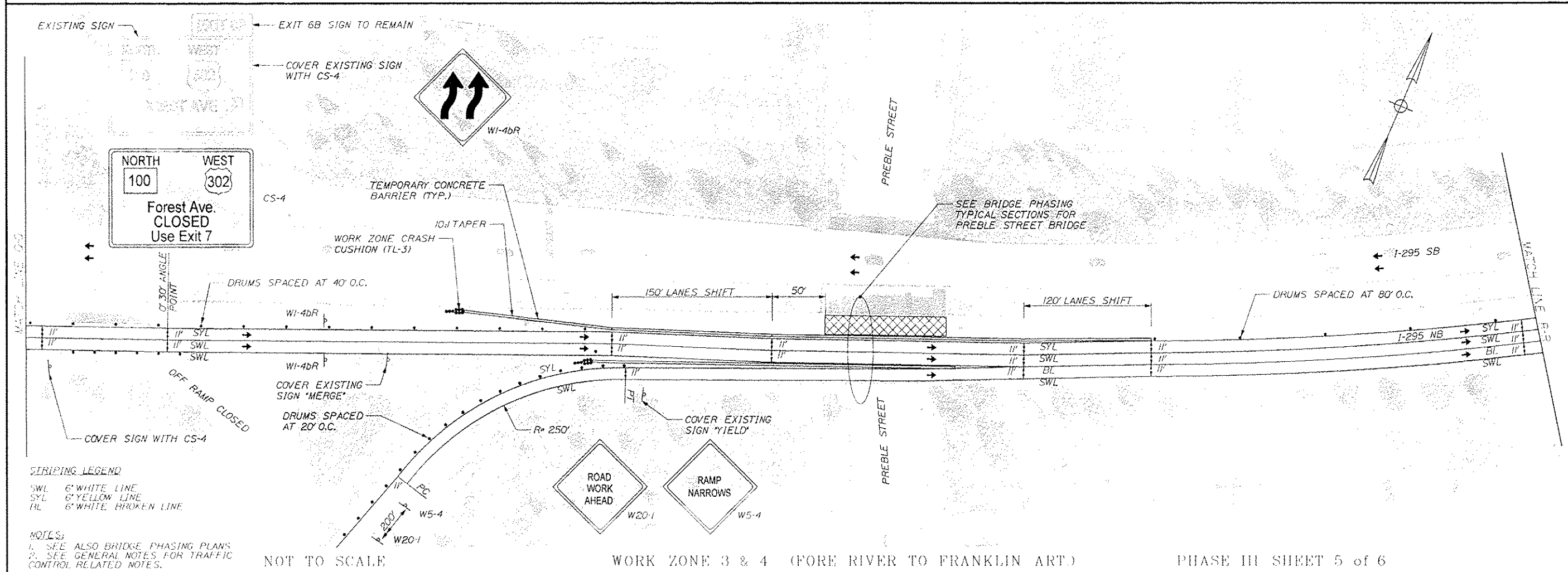
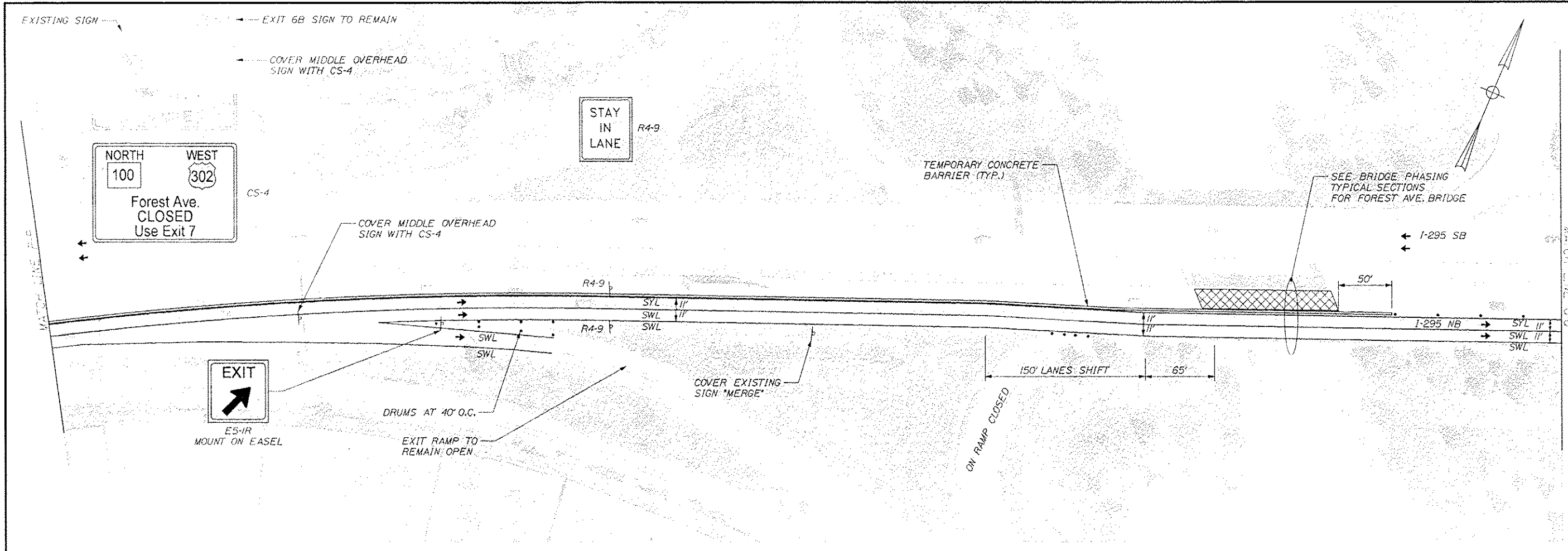
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PROJ. MANAGER	DOE	BY	DATE		
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FIELD CHANGES					
BRIDGE NO. VARIES		PIN		BRIDGE PLANS	
17929.10		17929.10			

Date 11/7/2012

Working Width

Drawn 05/03/13

Reviewed 02/14/14 by CS, P, CS, dgs



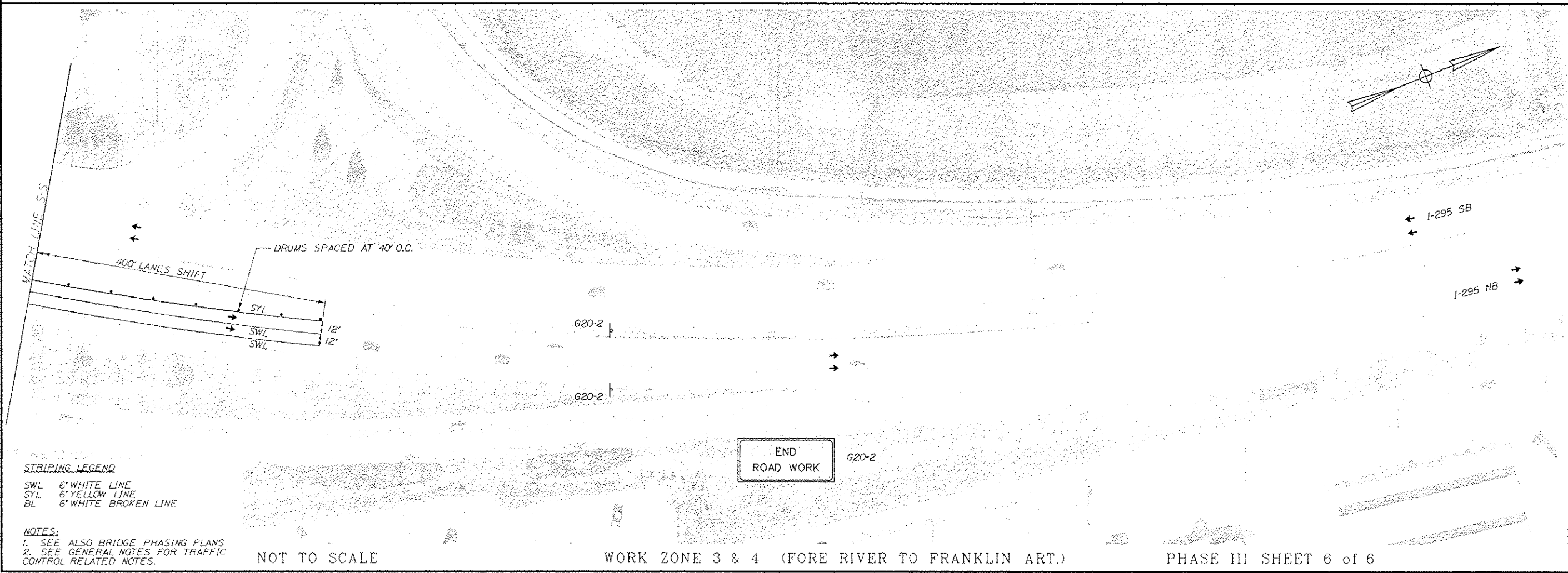
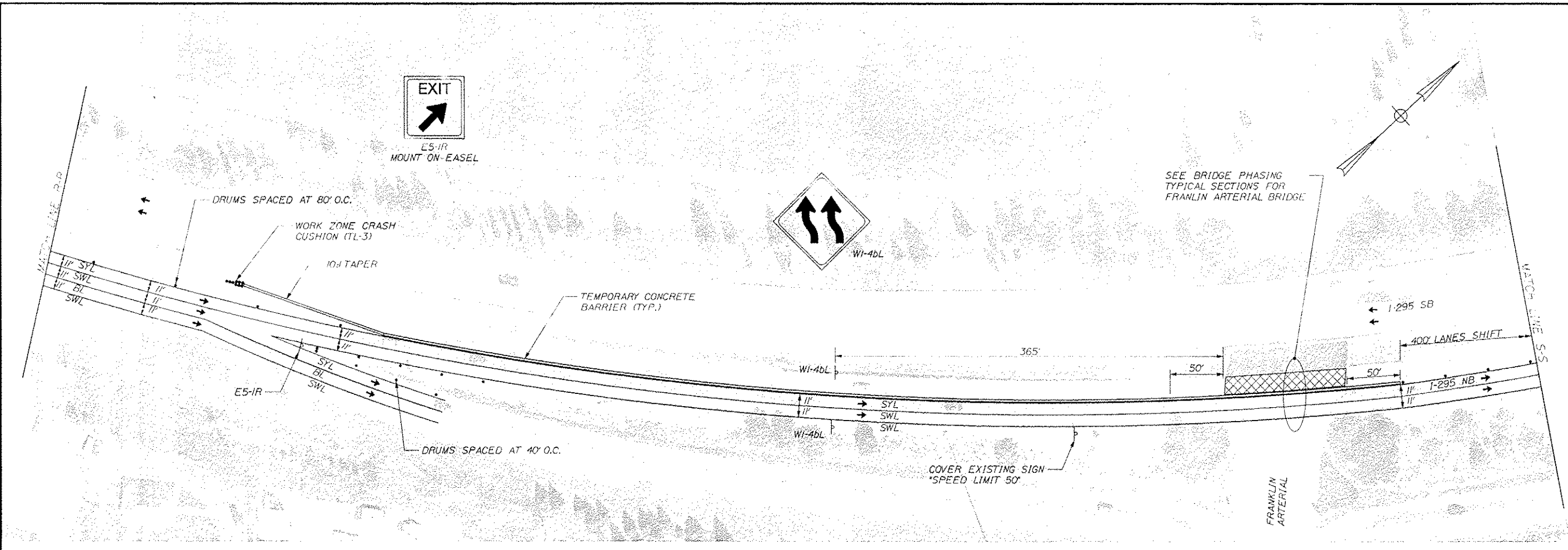
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. VARIES		PIN 17929.10		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND		WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART)		PORTLAND CUMBERLAND COUNTY		TRAFFIC CONTROL PLAN		SHEET NUMBER		92	
SIGNATURE		P.E. NUMBER		DATE		OF 111					

Date: 7/17/2012

Username: mroundt

Division: BRIDGE

Filename: 093_R2_014_Pt 03 Plan 06.dgn



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

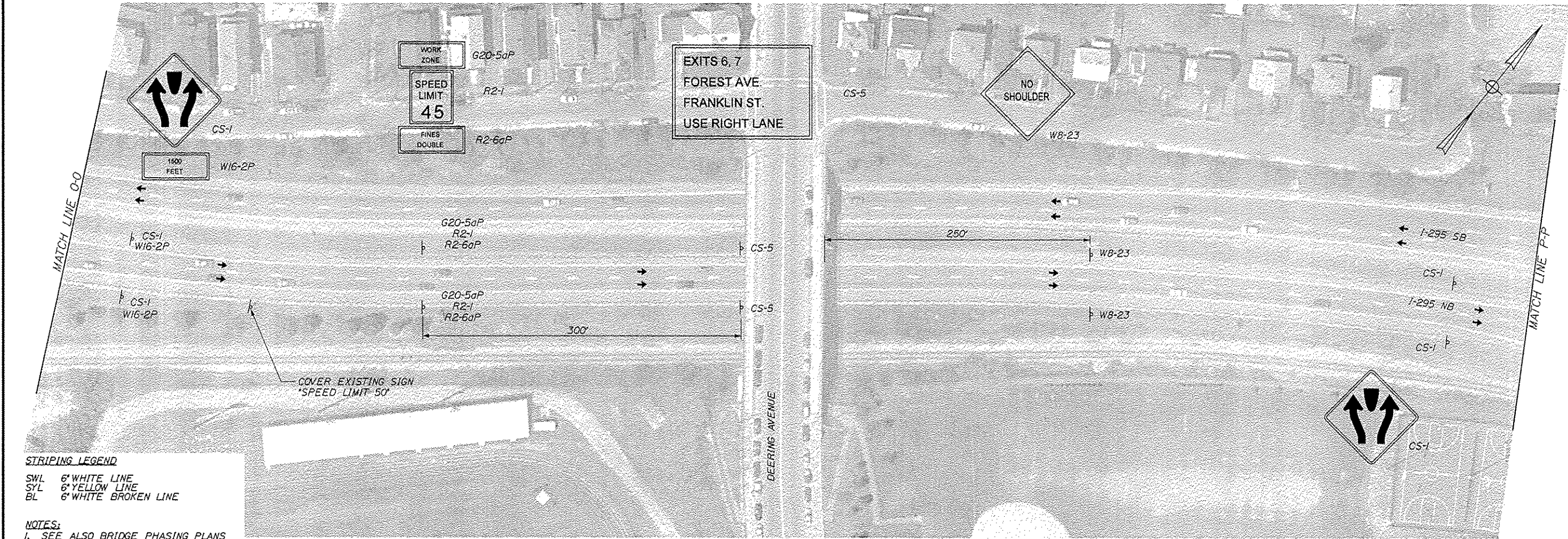
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.)

PHASE III SHEET 6 of 6

SHEET NUMBER		INTERSTATE 295 NORTHBOUND WORK ZONE 3 & 4 (FORE RIVER TO FRANKLIN ART.) PORTLAND CUMBERLAND COUNTY										STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
93		TRAFFIC CONTROL PLAN										IM-1792(910)E	
OF 111		DESIGN MANAGER		DATE		SIGNATURE		P.E. NUMBER		BRIDGE NO. VARIES		PIN 17929.10	
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		DESIGN-DETAILED		DATE		SIGNATURE		P.E. NUMBER					



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

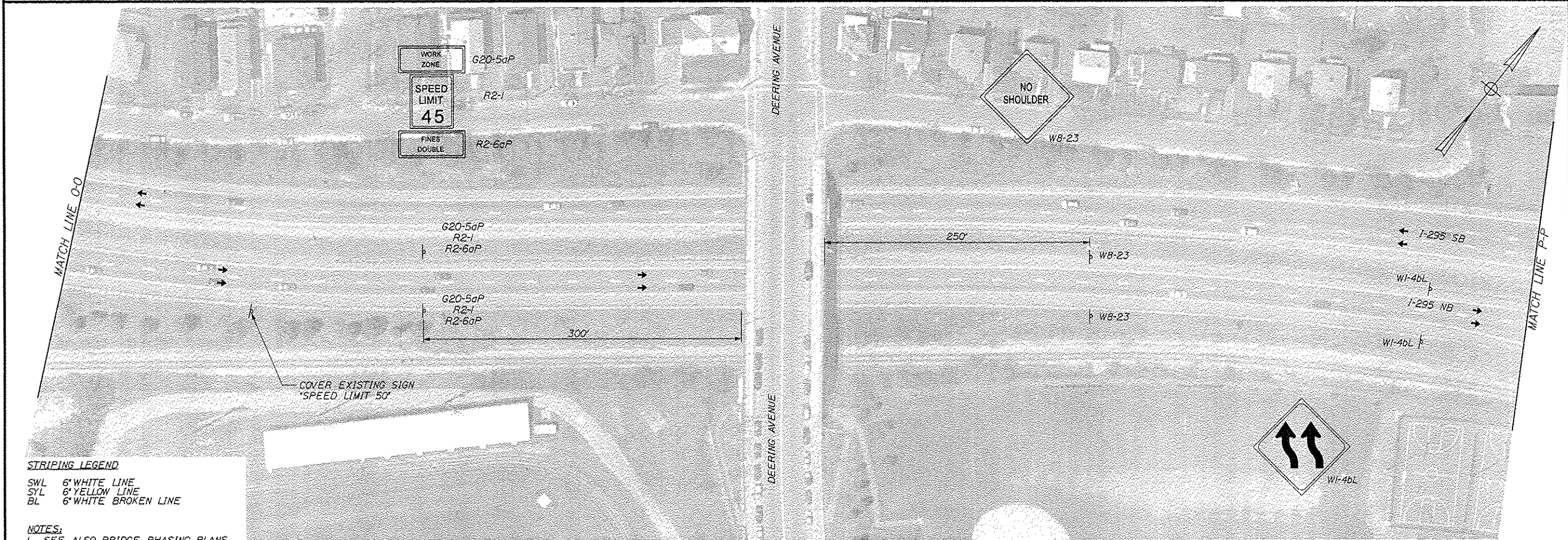
NOTES:
 1. SEE ALSO BRIDGE PHASING PLANS
 2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

WORK ZONE 4 (FOREST AVE. TO FRANKLIN ART.)

PHASE II SHEET 1 of 3

STATE OF MAINE		DATE		BY		DOE	
DEPARTMENT OF TRANSPORTATION		12/11		MPC		R&H	
IM-1792(910)E		12/11		TRC		DCE	
BRIDGE NO. VARIES		SIGNATURE		DESIGN-DETAILED		DESIGN-DETAILED	
PIN 17929.10		P.E. NUMBER		DESIGN-DETAILED		DESIGN-DETAILED	
BRIDGE PLANS		DATE		REVISIONS 1		REVISIONS 2	
				REVISIONS 3		REVISIONS 4	
				FIELD CHANGES			
INTERSTATE 295 NORTHBOUND							
WORK ZONE 4 (FOREST AVE. TO FRANKLIN ART.)							
PORTLAND CUMBERLAND COUNTY							
TRAFFIC CONTROL PLAN							
SHEET NUMBER							
94							
OF 111							



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

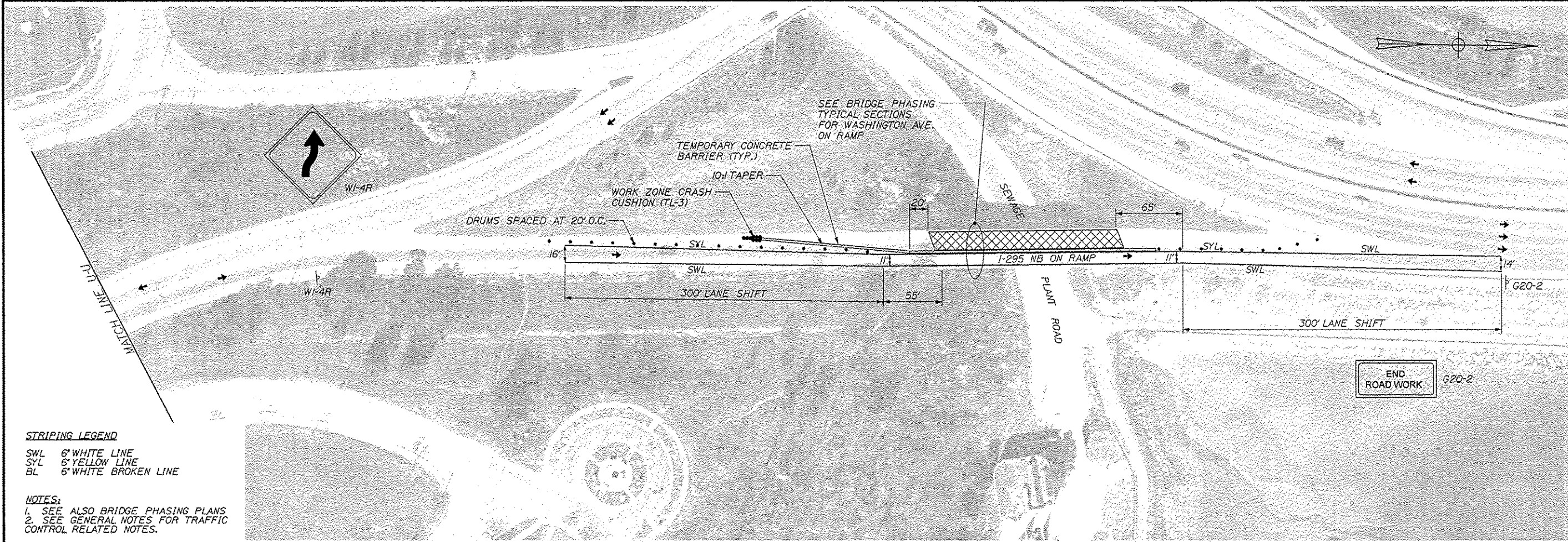
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

WORK ZONE 4 (FOREST AVE. TO FRANKLIN ART.)

PHASE I SHEET 1 of 3

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E		BRIDGE NO. VARIES PIN 17929.10 BRIDGE PLANS	
PROJECT MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED DESIGN-DETAILED	DATE 12/11 12/11 12/11 12/11	SIGNATURE	P.E. NUMBER
INTERSTATE 295 NORTHBOUND WORK ZONE 4 (FOREST AVE. TO FRANKLIN ART.) PORTLAND CUMBERLAND COUNTY		TRAFFIC CONTROL PLAN	
SHEET NUMBER 97		OF 111	



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

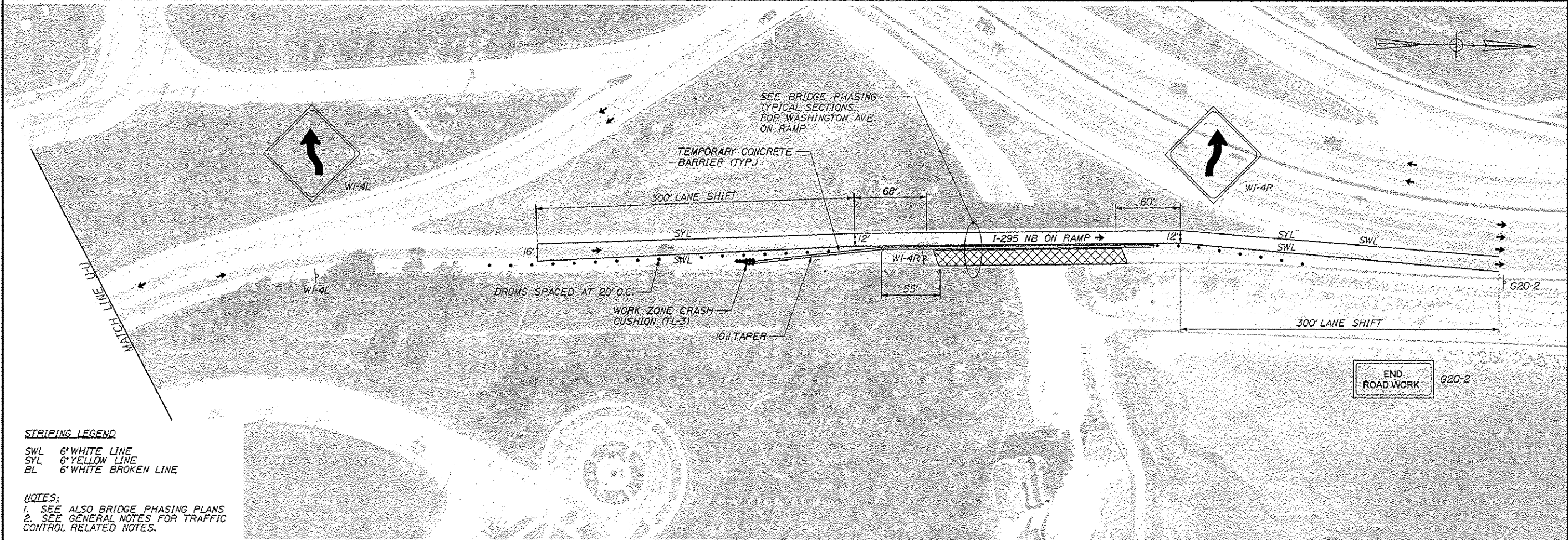
NOTES:
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

WORK ZONE 5 (WASHINGTON AVENUE ON RAMP)

PHASE I SHEET 1 of 1

SHEET NUMBER				STATE OF MAINE			
100				DEPARTMENT OF TRANSPORTATION			
				IM-1792(910)E			
INTERSTATE 295 NORTHBOUND WORK ZONE 5 (WASHINGTON AVE. ON RAMP) PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN				PROJ. MANAGER	DOE	BY	DATE
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				CHECKED-REVIEWED	DOE	TBC	
				DESIGN-DETAILED2	-	-	
				DESIGN-DETAILED3	-	-	
				REVISIONS 1	-	-	
				REVISIONS 2	-	-	
				REVISIONS 3	-	-	
				REVISIONS 4	-	-	
				REVISIONS 5	-	-	
				FIELD CHANGES	-	-	



STRIPING LEGEND

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

NOTES:

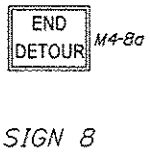
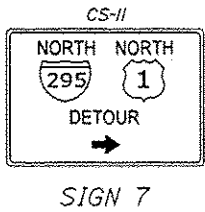
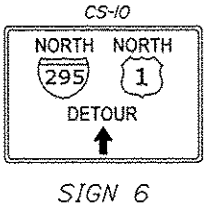
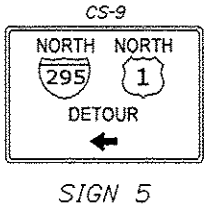
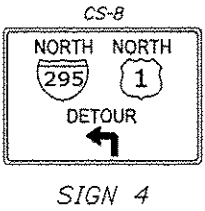
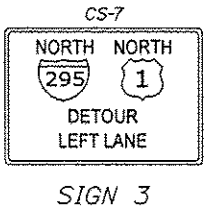
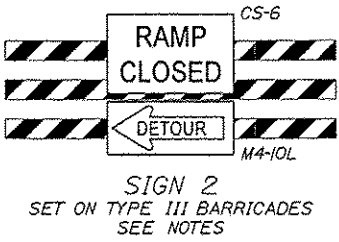
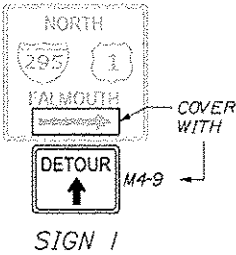
1. SEE ALSO BRIDGE PHASING PLANS
2. SEE GENERAL NOTES FOR TRAFFIC CONTROL RELATED NOTES.

NOT TO SCALE

WORK ZONE 5 (WASHINGTON AVENUE ON RAMP)

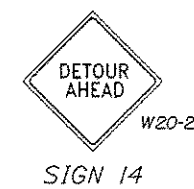
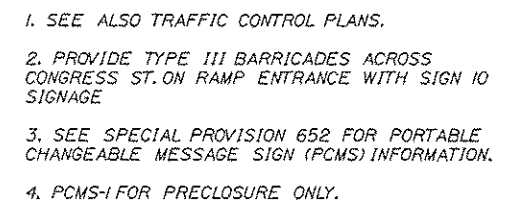
PHASE II SHEET 1 of 1

SHEET NUMBER										STATE OF MAINE									
INTERSTATE 295 NORTHBOUND WORK ZONE 5 (WASHINGTON AVE. ON RAMP) PORTLAND CUMBERLAND COUNTY TRAFFIC CONTROL PLAN										DEPARTMENT OF TRANSPORTATION									
										IM-1792(910)E									
										BRIDGE NO. VARIES PIN 17929.10 BRIDGE PLANS									
										PROJ. MANAGER	DOE	BY	DATE	SIGNATURE					
										DESIGN-DETAILED	RWH	MPC	12/11						
										CHECKED-REVIEWED	DOE	TRC	12/11						
										DESIGN-RETAILED									
										DESIGN-RETAILED									
										REVISIONS 1									
										REVISIONS 2									
										REVISIONS 3				DATE					
										REVISIONS 4									
										FIELD CHANGES									



- NOTES:**
- 1. SEE ALSO TRAFFIC CONTROL PLANS.
 - 2. PROVIDE TYPE III BARRICADES ACROSS PARK AVENUE ON RAMP ENTRANCE WITH SIGN 2 SIGNAGE
 - 3. SEE SPECIAL PROVISION 652 FOR PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INFORMATION.
 - 4. PCMS-1 FOR PRECLOSURE ONLY.

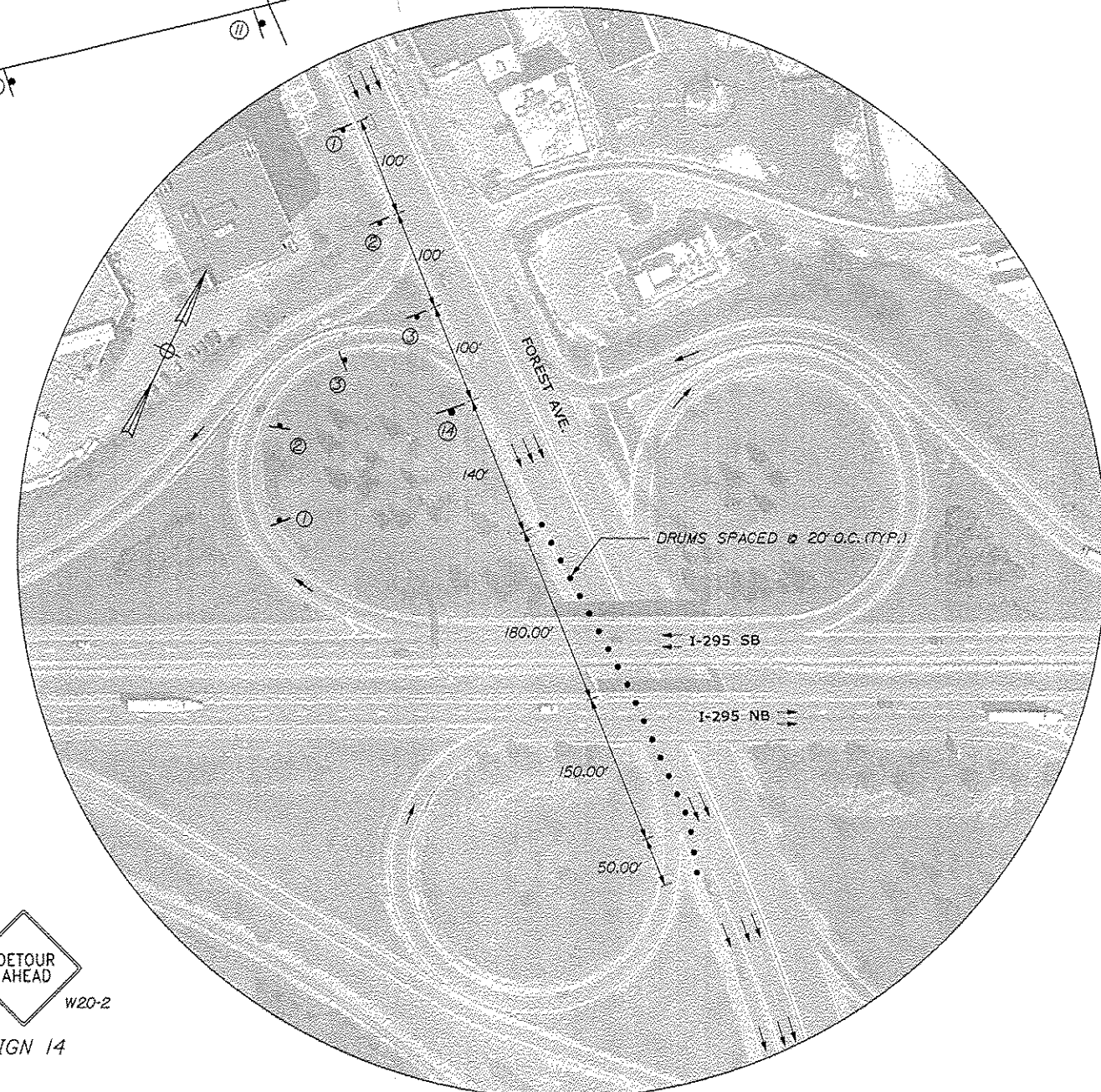
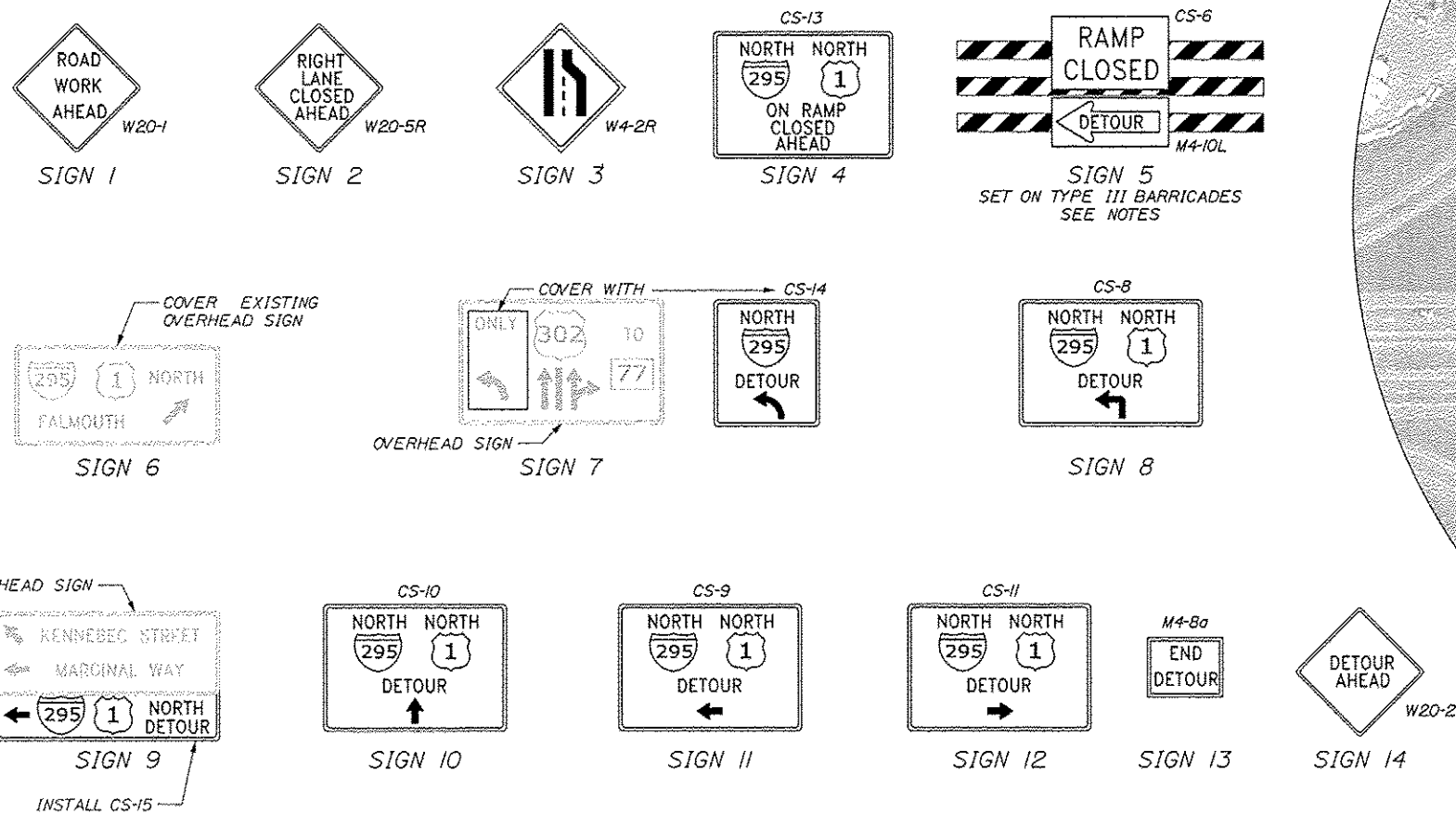
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INTERSTATE 295 NORTHBOUND PORTLAND CUMBERLAND COUNTY																PROJ. MANAGER				DATE											
																DESIGN-DETAILED				BY				DATE							
PARK AVENUE NB ON RAMP DETOUR PLAN																CHECKED-REVIEWED				SIGNATURE											
																DESIGN-DETAILED				BY				DATE							
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																FIELD CHANGES															
SHEET NUMBER																102															
																OF 111															





NOTES:

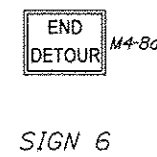
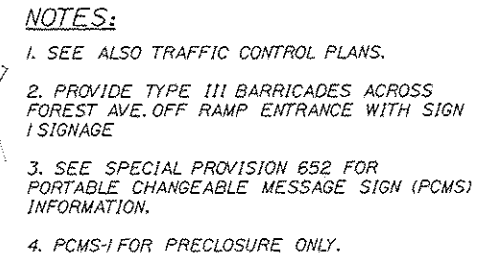
1. SEE ALSO TRAFFIC CONTROL PLANS.
2. PROVIDE TYPE III BARRICADES ACROSS FOREST AVE. ON RAMP ENTRANCE WITH SIGN 5 SIGNAGE.
3. SEE SPECIAL PROVISION 652 FOR PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INFORMATION.
4. PCMS-1 FOR PRECLOSURE ONLY.



DETAIL

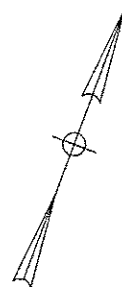
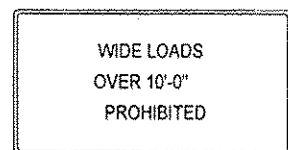
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104		FOREST AVENUE NB ON RAMP DETOUR PLAN		DESIGN-DETAILED		1/12		BWH		1/12		SIGNATURE					
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				DESIGN-DETAILED		-		-		-							
				DESIGN-DETAILED		-		-		-							
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OF 111				REVISIONS 1		-		-		-		P.E. NUMBER					
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				REVISIONS 3		-		-		-							
				REVISIONS 4		-		-		-							
				FIELD CHANGES		-		-		-							
												BRIDGE NO. Varies		PIN 17929.10		BRIDGE PLANS	



INTERSTATE 295 NORTHBOUND PORTLAND CUMBERLAND COUNTY FOREST AVENUE NB OFF RAMP DETOUR PLAN	PROJ. MANAGER DESIG-DET-ALDQ CHECKED-REVIEWER DESIG-DET-ALDQ DESIG-DET-ALDQ DESIG-DET-ALDQ REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		DATE 12/11 12/11 - - - - - - -	BY BWH TRC - - - - - - -	SIGNATURE P.E. NUMBER DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E PIN 17929.10 BRIDGE NO. Varies BRIDGE PLANS
	SHEET NUMBER					
	105					
	OF 111					

Filename: 106_LocalSigning.dgn



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

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
IM-1792(910)E
BRIDGE NO. Varies
PIN
17929.10
BRIDGE PLANS

PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED	12/11	SMI	
CHECKED-REVIEWED	12/11	TRC	
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DESIGN-DETAILED	-	-	
REVISIONS 1	-	-	
REVISIONS 2	-	-	
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REVISIONS 4	-	-	

INTERSTATE 295 NORTHBOUND
PORTLAND
CUMBERLAND COUNTY
LOCAL SIGNING PLAN

SHEET NUMBER

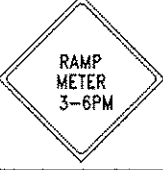
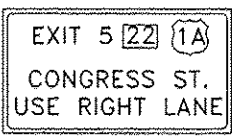
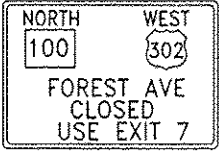
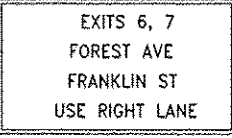
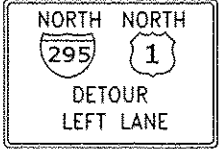
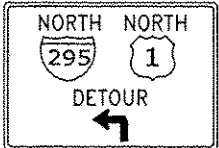
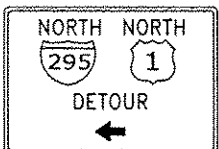
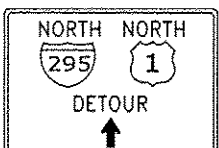
106

OF 111

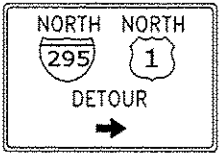
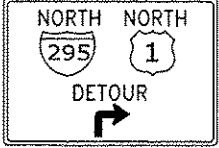
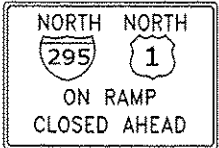
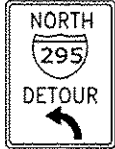
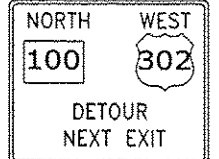
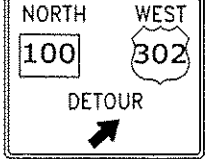
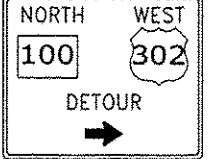
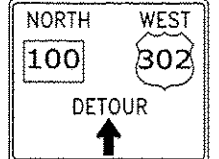


- NOTES:
1. SEE ALSO TRAFFIC CONTROL PLANS.
 2. SIGNS TO BE LOCATED ALONG THE RIGHT SIDE OF THE MAINE TURNPIKE, NORTHBOUND BARREL, UNLESS OTHERWISE NOTED
 3. SEE SPECIAL PROVISIONS FOR TURNPIKE COORDINATION REQUIREMENTS.
 4. SEE SPECIAL PROVISION 652 FOR PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INFORMATION.
 5. CS-18 AND W20-1 SIGNS TO BE LOCATED ALONG THE LEFT AND RIGHT SIDE OF THE OFF RAMP PRIOR TO THE I-295 TOLL PLAZA.

CONSTRUCTION SIGN SUMMARY

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		
CS-1	48"	48"		SEE SPECIAL PROVISION 652 FOR TEXT DIMENSIONS			10	ORANGE	BLACK		16.00 (160)
CS-2	48"	48"					1	YELLOW	BLACK		16.00 (16)
CS-3	144"	66"					2	ORANGE	BLACK		66.00 (132)
CS-4	114"	102"					2	ORANGE	BLACK		80.75 (161.5)
CS-5	144"	78"					2	ORANGE	BLACK		78.00 (156)
CS-6	48"	30"					4	WHITE	BLACK		10.00 (40)
CS-7	72"	60"					2	ORANGE	BLACK		30.00 (60)
CS-8	72"	60"					5	ORANGE	BLACK		30.00 (150)
CS-9	72"	60"					4	ORANGE	BLACK		30.00 (120)
CS-10	72"	60"					6	ORANGE	BLACK		30.00 (180)

Z SIGNS PROVIDED BY MAINE DOT

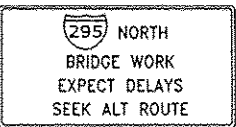
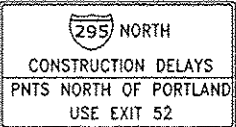
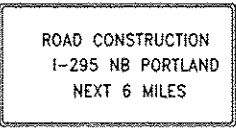
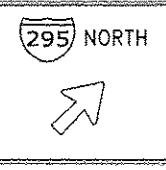
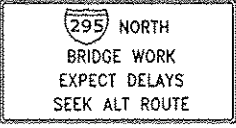
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
CS-11	72"	60"		SEE SPECIAL PROVISION 652 FOR TEXT DIMENSIONS			4	ORANGE	BLACK		30.00 (120)
CS-12	72"	60"					1	ORANGE	BLACK		30.00 (30)
CS-13	72"	60"					2	ORANGE	BLACK		30.00 (60)
CS-14	36"	72"					1	ORANGE	BLACK		18.00 (18)
CS-15	120"	24"					1	ORANGE	BLACK		20.00 (20)
CS-16	72"	72"					1	ORANGE	BLACK		36.00 (36)
CS-17	72"	72"					1	ORANGE	BLACK		36.00 (36)
CS-18	72"	60"					3	ORANGE	BLACK		30.00 (90)
CS-19	72"	60"					1	ORANGE	BLACK		30.00 (30)

* UNDETERMINED LOCATION

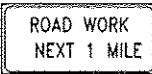
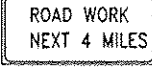
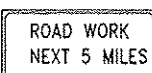
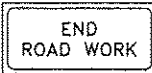
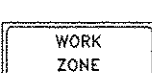
NOTE: INFORMATION SHOWN REFLECTS SIGNAGE FOR BRIDGE TRAFFIC CONTROL PLANS ONLY. ADDITIONAL SIGNAGE IS REQUIRED FOR HIGHWAY PRESERVATION WORK AND FOR NIGHT TIME LANE CLOSURES.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION IM-1792(910)E	BRIDGE NO. VARIES PIN 17929.10	BRIDGE PLANS		
INTERSTATE 295 NORTHBOUND ALL PHASES PORTLAND CUMBERLAND COUNTY				
SIGN SUMMARY				
SHEET NUMBER 108 OF 111				

CONSTRUCTION SIGN SUMMARY

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		
CS-20	96"	48"		SEE SPECIAL PROVISION 652 FOR TEXT DIMENSIONS			3	ORANGE	BLACK		32.00 (96)
CS-21	48"	48"					2	YELLOW	BLACK		16.00 (32)
CS-22	216"	78"					3	ORANGE	BLACK		117.00 (351)
CS-23	168"	54"					2	ORANGE	BLACK		63.00 (126)
CS-24	84"	60"					1	ORANGE	BLACK		35.00 (35)
CS-25	144"	60"					3	ORANGE	BLACK		60.00 (180)

* UNDETERMINED LOCATION

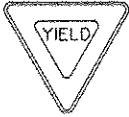
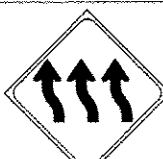
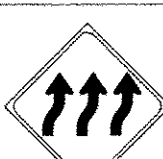
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
E5-1R	48"	42"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			6	COLORS SHALL CONFORM TO STANDARD HIGHWAY SIGN DETAILS			14.00 (84)
E5-2	48"	36"					1				12.00 (12)
G20-1 (1)	48"	24"					2				8.00 (16)
G20-1 (4)	48"	24"					2				8.00 (16)
G20-1 (5)	48"	24"					2				8.00 (16)
G20-2	48"	24"					5				8.00 (40)
G20-5aP	36"	24"					13				6.00 (78)
M4-8	24"	12"					1				2.00 (12)
M4-8a	24"	18"					4				3.00 (12)
M4-9	30"	24"					1				5.00 (5)
M4-10L	48"	18"					4				6.00 (24)
M6-3	21"	15"					2				2.20 (4.4)

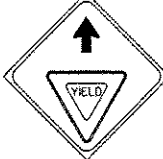
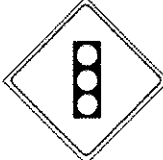
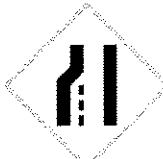
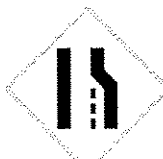
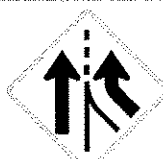
NOTE: INFORMATION SHOWN REFLECTS SIGNAGE FOR BRIDGE TRAFFIC CONTROL PLANS ONLY. ADDITIONAL SIGNAGE IS REQUIRED FOR HIGHWAY PRESERVATION WORK AND FOR NIGHT TIME LANE CLOSURES.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. VARIES		PIN 17929.10		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND		ALL PHASES		CUMBERLAND COUNTY		SIGN SUMMARY		SHEET NUMBER		109	
PORTLAND								OF 111			

DATE	1/2	1/2	SIGNATURE	P.E. NUMBER	DATE
BY	SM	TRC			
DOE					
PROJ. MANAGER	DESIGN-DETAILED	REV	CHECKED-REVISED	DOE	
	DESIGN-DETAILED	DOE	DESIGN-DETAILED	DOE	
	REVISIONS 1		REVISIONS 2		
	REVISIONS 3		REVISIONS 4		
	FIELD CHANGES				

CONSTRUCTION SIGN SUMMARY

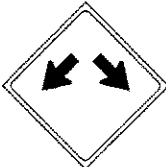
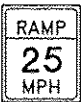
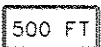
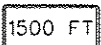
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
RI-2	60"	60" x 60"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			3	COLORS SHALL CONFORM TO STANDARD HIGHWAY SIGN DETAILS			12.50 (37.5)
R2-1 (45)	48"	60"					13				20.00 (260)
R2-6aP	36"	24"					13				6.00 (78)
R4-9	48"	60"					10				20.00 (200)
RI0-6	24"	36"					1				6.00 (6)
WI-4L	48"	48"					6				16.00 (96)
WI-4R	48"	48"					4				16.00 (64)
WI-4bL	48"	48"					8				16.00 (128)
WI-4bR	48"	48"					10				16.00 (160)
WI-4cL	48"	48"					2				16.00 (32)
WI-4cR	48"	48"					2				16.00 (32)

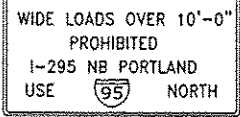
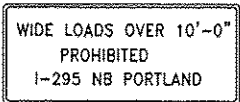
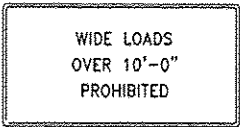
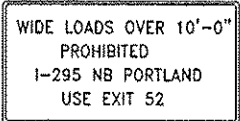
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
W3-2	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			3	COLORS SHALL CONFORM TO STANDARD HIGHWAY SIGN DETAILS			16.00 (48)
W3-3	48"	48"					1				16.00 (16)
W3-4	48"	48"					1				16.00 (16)
W4-2L	48"	48"					2				16.00 (32)
W4-2R	48"	48"					5				16.00 (80)
W4-3	48"	48"					2				16.00 (32)
W5-1	48"	48"					9				16.00 (144)
W5-4	48"	48"					4				16.00 (64)
W7-3aP (2)	36"	30"					2				7.50 (15)
W7-3aP (1)	36"	30"					2				7.50 (15)

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.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		IM-1792(910)E		BRIDGE NO. VARIES		PIN 17929.10		BRIDGE PLANS	
INTERSTATE 295 NORTHBOUND		ALL PHASES		CUMBERLAND COUNTY		SIGN SUMMARY		SHEET NUMBER		110	
DATE		BY		DOE		SIGNATURE		P.E. NUMBER		DATE	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 1		REVISIONS 2		REVISIONS 3	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 4		REVISIONS 5		REVISIONS 6	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 7		REVISIONS 8		REVISIONS 9	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 10		REVISIONS 11		REVISIONS 12	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 13		REVISIONS 14		REVISIONS 15	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 16		REVISIONS 17		REVISIONS 18	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 19		REVISIONS 20		REVISIONS 21	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 22		REVISIONS 23		REVISIONS 24	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 25		REVISIONS 26		REVISIONS 27	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 28		REVISIONS 29		REVISIONS 30	
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DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 52		REVISIONS 53		REVISIONS 54	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 55		REVISIONS 56		REVISIONS 57	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 58		REVISIONS 59		REVISIONS 60	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 61		REVISIONS 62		REVISIONS 63	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 64		REVISIONS 65		REVISIONS 66	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 67		REVISIONS 68		REVISIONS 69	
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DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 76		REVISIONS 77		REVISIONS 78	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 79		REVISIONS 80		REVISIONS 81	
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DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 115		REVISIONS 116		REVISIONS 117	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 118		REVISIONS 119		REVISIONS 120	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 121		REVISIONS 122		REVISIONS 123	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 124		REVISIONS 125		REVISIONS 126	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 127		REVISIONS 128		REVISIONS 129	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 130		REVISIONS 131		REVISIONS 132	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 133		REVISIONS 134		REVISIONS 135	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 136		REVISIONS 137		REVISIONS 138	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 139		REVISIONS 140		REVISIONS 141	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 1					

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		
W8-23	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			6	COLORS SHALL CONFORM TO STANDARD HIGHWAY SIGN DETAILS			16.00 (96)
W9-1	48"	48"					2				16.00 (32)
W12-1	36"	36"					3				16.00 (48)
W13-3	48"	60"					1				20.00 (20)
W16-2P (500)	30"	24"					2				5.00 (10)
W16-2P (1500)	30"	24"					4				5.00 (20)
W20-1	48"	48"					22				16.00 (352)
W20-2	48"	48"					2				16.00 (32)
W20-5L	48"	48"					2				16.00 (32)
W20-5R	48"	48"					3				16.00 (48)

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		
WL-1	198"	66"		SEE SPECIAL PROVISION 652 FOR TEXT DIMENSIONS			2	WHITE	BLACK		90.75 (181.5)
WL-2	108"	36"					9	WHITE	BLACK		27.00 (243)
WL-3	66"	36"					1	WHITE	BLACK		16.50 (16.5)
WL-4	198"	72"					2	WHITE	BLACK		99.00 (198)

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.

[illegible]