



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

JOHN ELIAS BALDACCI
 GOVERNOR

DAVID A. COLE
 COMMISSIONER

May 3, 2010
 Subject: **Scarborough, Falmouth,
 Cumberland, Yarmouth, Freeport,
 South Portland & Portland**
Federal Project No: IM-1678(700)E,
 IM-1705(510)E, HPP-1705(520)E,
 HP-1563(400)E & IM-1779(300)E
State Pin No: 016787.00, 017055.10,
 017055.20, 015634.00 & 017793.00
Amendment No. 1

Dear Sir/Ms:

Make the following change to the bid Document:

In the Bid Book (pages 4 thru 18), **REMOVE** the “SCHEDULE OF ITEMS” 15 pages dated 100415 and **REPLACE** with the attached new “SCHEDULE OF ITEMS” 16 pages dated 100430.

In the Plans for Portland (HP-1563(400)E – I-295 Exit 7 (Franklin Street)), **REMOVE** Sheet Numbers 10 of 76 (Traffic Signal Plan) and 11 of 76 (Traffic Signal Plan) and **REPLACE** with the attached new Sheet Numbers 10 of 76 (Traffic Signal Plan) and 11 of 76 (Traffic Signal Plan).

In the Plans, **ADD** the attached “APPENDIX A” for IM-1779(300)E , 11 plan sheets total.

NOTE: Plan sheets will be FedExed/mailed to plan holders who purchased plans in the size and quantity ordered.

The following questions have been received:

Question: SP Sec 105, control of work (Supplemental Liquidated Damages), page 1 of 2. Will the additional \$25,000 for each 15 minutes over 1 hour be accumulative in nature as well?

Response: yes, refer to note at bottom of SPECIAL PROVISION 105 which reads in part “These charges will be accumulative in nature ...”.



PRINTED ON RECYCLED PAPER

Question: Item 652.36, Maintenance of Traffic Control Devices, has an estimated quantity of 200 CDY, however SP Sec 107, Prosecution and Progress (Contract Time) notes 1 & 4 state start date as June 16th and the completion date at December 18th, which is only 186 calendar days. Please clarify.

Response: The estimated quantity will be changed to 186 CD.

Question: Will the Department wave the Zone 2 October 15th surface paving deadline as well as the 50 deg and rising clause?

Response: The SPECIAL PROVISION DIVISION 400 SECTION 401 allows surface paving until the Saturday following September 15 and allows paving outside the 50 deg. restriction in certain conditions when work is done at night. Surface paving is allowed during daytime work until the Saturday following October 15. Neither of these dates will be waived.

Question: The Estimated Quantities in the bridge pin IM-1779 do not match with the bridge quantities listed in the bid items. Please clarify.
Appendix A from pin IM-1779 seems to be missing; this appendix includes information on Preble and Tukey's bridges.

Response: The total quantities in the bid book are the totals including the Tukey's and Preble Street bridges. The total on the first sheet of the plans do not include the quantities for those bridges. The appendix (attached) has the additional quantities for those bridges.

Question: SP Section 107 (Prosecution and Progress), Sign Truss Work, page 2 of 2 states that existing aluminum panels shall be disassembled and delivered to the Belgrade Maintenance lot. Should the delivery of this material be considered incidental to the 645.106 item?

Response: Yes, incidental to the item.

Question: Special Provision 502 – Bridge Drain – Type A & C. Second paragraph of 502.17 – “Existing bridge drains shall be removed by chisel or other mechanical means”, the same paragraph also states “Concrete shall be removed by means of hammer & chisel, stone hammer, pick or other improved method.” Is it the Department's intent not to allow air tools for this removal?

Response: The Department's intent is to allow air tools under "other mechanical means" and "other approved methods" however it should be noted that any damage to the concrete outside of the limits shown or designated by the Resident will be repaired at no cost to the Department by the Contractor.

Consider this change and information prior to submitting your bid on May 12, 2010.

Sincerely,

A handwritten signature in red ink, appearing to read "Scott Bickford". The signature is stylized and cursive.

Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 015634.00

PROJECT(S): HP-1563(400)E
 IM-1678(700)E
 017055.10
 OTHERS

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 PROJECT ITEMS

0010	201.11 CLEARING	0.500 AC				
0020	202.202 REMOVING PAVEMENT SURFACE	311190.000 SY				
0030	202.205 RUMBLE STRIPS - SHOULDER	34000.000 LF				
0040	202.30 REMOVING EXISTING CONCRETE WEARING SURFACE	LUMP	LUMP			
0050	203.20 COMMON EXCAVATION	7800.000 CY				
0060	203.24 COMMON BORROW	100.000 CY				
0070	203.25 GRANULAR BORROW	100.000 CY				
0080	205.512 WIDENING OF EXISTING SHOULDER	850.000 SY				
0090	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	50.000 CY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	304.09 AGGREGATE BASE COURSE - CRUSHED	950.000 CY				
0110	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	6745.000 CY				
0120	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	5200.000 T				
0130	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	21075.000 T				
0140	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	30.000 T				
0150	403.210 HOT MIX ASPHALT 9.5 MM	150.000 T				
0160	403.2101 9.5 MM POLYMER MODIFIED HMA	650.000 T				
0170	403.211 HOT MIX ASPHALT (SHIMMING)	2100.000 T				
0180	403.213 HOT MIX ASPHALT 12.5 MM BASE	1650.000 T				
0190	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	1445.000 T				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0200	409.15 BITUMINOUS TACK COAT - APPLIED	15600.000 G				
0210	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	220.000 CY				
0220	424.3331 ASPHALT LOW MODULUS CRACK SEALER, APPLIED	5000.000 LB				
0230	424.3333 LOW MODULUS JOINT SEALER, APPLIED	68000.000 LF				
0240	429.34 GRID/ FABRIC FABRIC COMPOSITE PAVEMENT INTERLAYER	1000.000 SF				
0250	502.29 STRUCTURAL CONCRETE WEARING SURFACE ON BRIDGES	LUMP	LUMP			
0260	502.70 BRIDGE DRAINS TYPE A	12.000 EA				
0270	502.70 BRIDGE DRAINS TYPE C	20.000 EA				
0280	502.701 BRIDGE DRAIN GRATE MODIFICATION	52.000 EA				
0290	504.07 CONCRETE PIPE TIES	24.000 GP				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0300	507.0926 FURNISH ALUMINUM BRIDGE RAIL COMPONENTS	LUMP	LUMP			
0310	507.0927 ALUMINUM BRIDGE RAIL, 2 BAR POST REPLACEMENT	8.000 EA				
0320	507.0928 ALUMINUM BRIDGE RAIL, RAIL SECTION REPLACEMENT	720.000 LF				
0330	507.30 ALUMINUM RAIL BAR SPLICE RETROFIT	24.000 EA				
0340	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP	LUMP			
0350	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP	LUMP			
0360	518.39 REPAIRING GRANITE CURB BEDDING MORTAR	930.000 LF				
0370	518.50 REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 7.9 IN.	8070.000 SF				
0380	518.51 REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 7.9 IN.	2180.000 SF				

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			DOLLARS	CTS	DOLLARS	CTS
0390	518.52 REPAIR OF UPWARD FACING SURFACES > 7.9 IN.	21.000 CY				
0400	518.60 REPAIR OF VERTICAL SURFACES < 7.9 IN.	180.000 SF				
0410	518.61 REPAIR OF VERTICAL SURFACES > 7.9 IN.	18.000 CY				
0420	520.241 BRIDGE JOINT MODIFICATION TYPE 1	1.000 EA				
0430	520.242 BRIDGE JOINT MODIFICATION TYPE 2	17.000 EA				
0440	520.243 BRIDGE JOINT MODIFICATION TYPE 3	1.000 EA				
0450	520.244 BRIDGE JOINT MODIFICATION TYPE 4	2.000 EA				
0460	520.245 BRIDGE JOINT MODIFICATION TYPE 5	3.000 EA				
0470	520.246 BRIDGE JOINT MODIFICATION TYPE 6	1.000 EA				
0480	520.247 BRIDGE JOINT MODIFICATION TYPE 7	7.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0490	523.5304 STEEL BEARINGS, EXPANSION, ROCKER	10.000 EA				
0500	524.301 TEMPORARY STRUCTURAL SUPPORT	LUMP	LUMP			
0510	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP	LUMP			
0520	526.34 PERMANENT CONCRETE TRANSITION BARRIER	48.000 EA				
0530	527.301 ENERGY ABSORBING SYSTEM (C-A-T)	16.000 EA				
0540	527.34 WORK ZONE CRASH CUSHIONS	14.000 UN				
0550	603.159 12 INCH CULVERT PIPE OPTION III	32.000 LF				
0560	603.165 15 INCH REINFORCED CONCRETE PIPE CLASS III	72.000 LF				
0570	603.179 18 INCH CULVERT PIPE OPTION III	35.000 LF				
0580	603.195 24 INCH REINFORCED CONCRETE PIPE CLASS III	144.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0590	603.7424 REMOVE & RELAY 24 INCH CONCRETE PIPE	16.000 LF				
0600	604.072 CATCH BASIN TYPE A1-C	3.250 EA				
0610	604.092 CATCH BASIN TYPE B1-C	8.000 EA				
0620	604.16 ALTERING CATCH BASIN TO MANHOLES	2.000 EA				
0630	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	6.000 EA				
0640	604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE	130.000 EA				
0650	604.244 CATCH BASIN TYPE F4	1.000 EA				
0660	605.09 6 INCH UNDERDRAIN TYPE B	1210.000 LF				
0670	605.11 12 INCH UNDERDRAIN TYPE C	750.000 LF				
0680	606.1721 BRIDGE TRANSITION - TYPE 1	56.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0690	606.178 GUARDRAIL BEAM	500.000 LF				
0700	606.24 GUARDRAIL TYPE 3D - SINGLE RAIL	862.500 LF				
0710	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	11.000 EA				
0720	606.352 REFLECTORIZED BEAM GUARDRAIL DELINEATORS	1500.000 EA				
0730	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	127.000 EA				
0740	606.356 UNDERDRAIN DELINEATOR POST	35.000 EA				
0750	606.363 GUARDRAIL REMOVE AND DISPOSE	4480.000 LF				
0760	606.3651 GUARDRAIL-REMOVE, MODIFY, AND RESET EXISTING TO 3D	1400.000 LF				
0770	606.367 REPLACE UNUSABLE EXISTING GUARDRAIL POSTS	40.000 EA				
0780	606.48 SINGLE GALVANIZED STEEL POST	40.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0790	606.561 GUARDRAIL TYPE 3 - DOUBLE RAIL WITH RUB RAIL BACK TO BACK RAIL IN MEDIAN	22700.000 LF				
0800	606.65 GUARDRAIL THRIE BEAM - SINGLE RAIL	2565.000 LF				
0810	606.66 TERMINAL END THRIE BEAM	1.000 EA				
0820	606.70 TRANSITION SECTION THRIE BEAM	1.000 EA				
0830	606.79 GUARDRAIL 350 FLARED TERMINAL	20.000 EA				
0840	609.31 CURB TYPE 3	1200.000 LF				
0850	609.34 CURB TYPE 5	374.000 LF				
0860	609.38 RESET CURB TYPE 1	550.000 LF				
0870	609.40 RESET CURB TYPE 5	800.000 LF				
0880	610.08 PLAIN RIPRAP	100.000 CY				

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			DOLLARS	CTS	DOLLARS	CTS
0890	610.18 STONE DITCH PROTECTION	20.000 CY				
0900	613.319 EROSION CONTROL BLANKET	2650.000 SY				
0910	615.07 LOAM	500.000 CY				
0920	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	250.000 UN				
0930	619.1201 MULCH - PLAN QUANTITY	250.000 UN				
0940	619.1401 EROSION CONTROL MIX	250.000 CY				
0950	620.58 EROSION CONTROL GEOTEXTILE	1350.000 SY				
0960	621.01 EVERGREEN TREES (8 INCH - 12 INCH)	50.000 EA				
0970	621.014 EVERGREEN TREES (18 INCH - 24 INCH) GROUP A	50.000 EA				
0980	621.025 EVERGREEN TREES (3 FOOT - 4 FOOT) GROUP A	60.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0990	621.026 EVERGREEN TREES (3 FOOT - 4 FOOT) GROUP B	50.000 EA				
1000	621.541 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP B	240.000 EA				
1010	626.11 PRECAST CONCRETE JUNCTION BOX	10.000 EA				
1020	626.22 NON-METALLIC CONDUIT	1850.000 LF				
1030	626.32 24 INCH FOUNDATION	2.000 EA				
1040	626.331 36 INCH FOUNDATION	1.000 EA				
1050	627.18 12 " SOLID WHITE PAVEMENT MARKING	10066.000 LF				
1060	627.744 6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	240000.000 LF				
1070	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	2500.000 SF				
1080	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP			

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			DOLLARS	CTS	DOLLARS	CTS
1090	627.77 REMOVING PAVEMENT MARKINGS	17600.000 SF				
1100	627.781 TEMPORARY 6 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	460000.000 LF				
1110	629.05 HAND LABOR, STRAIGHT TIME	290.000 HR				
1120	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	154.000 HR				
1130	631.11 AIR TOOL (INCLUDING OPERATOR)	154.000 HR				
1140	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	75.000 HR				
1150	631.122 MINI ALL-PURPOSE EXCAVATOR (INCLUDING OPERATOR)	40.000 HR				
1160	631.133 SKID STEER (INCLUDING OPERATOR)	50.000 HR				
1170	631.14 GRADER (INCLUDING OPERATOR)	30.000 HR				
1180	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	110.000 HR				

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			DOLLARS	CTS	DOLLARS	CTS
1190	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	30.000 HR				
1200	631.22 FRONT END LOADER (INCLUDING OPERATOR)	10.000 HR				
1210	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	40.000 HR				
1220	639.18 FIELD OFFICE TYPE A	1.000 EA				
1230	643.71 TRAFFIC SIGNAL MODIFICATION	LUMP	LUMP			
1240	643.83 VIDEO DETECTION SYSTEM NORTHBOUND	LUMP	LUMP			
1250	643.83 VIDEO DETECTION SYSTEM SOUTHBOUND	LUMP	LUMP			
1260	643.86 TRAFFIC SIGNAL LOOP DETECTORS	4.000 EA				
1270	643.92 PEDESTAL POLE	2.000 EA				
1280	645.103 DEMOUNT GUIDE SIGN	5.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
1290	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	1.000 EA				
1300	645.12 OVERHEAD GUIDE SIGN: LOCATION 1: I-295 AT EXIT 7	LUMP	LUMP			
1310	645.12 OVERHEAD GUIDE SIGN: LOCATION 2: I-295 AT EXIT 7	LUMP	LUMP			
1320	645.271 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS, TYPE I	20.000 SF				
1330	645.306 FLEXIBLE REFLECTORIZED DELINEATOR BOLTED	290.000 EA				
1340	645.306 FLEXIBLE REFLECTORIZED DELINEATOR DRIVEN	310.000 EA				
1350	652.30 FLASHING ARROW BOARD	7.000 EA				
1360	652.31 TYPE I BARRICADE	25.000 EA				
1370	652.311 TYPE II BARRICADE	25.000 EA				
1380	652.312 TYPE III BARRICADE	80.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
1390	652.32 BATTERY OPERATED LIGHT	15.000 EA				
1400	652.33 DRUM	800.000 EA				
1410	652.34 CONE	1000.000 EA				
1420	652.35 CONSTRUCTION SIGNS	6600.000 SF				
1430	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	186.000 CD				
1440	652.38 FLAGGER	5125.000 HR				
1450	652.381 TRAFFIC OFFICER	225.000 HR				
1460	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	12.000 EA				
1470	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
1480	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	150.000 SY				

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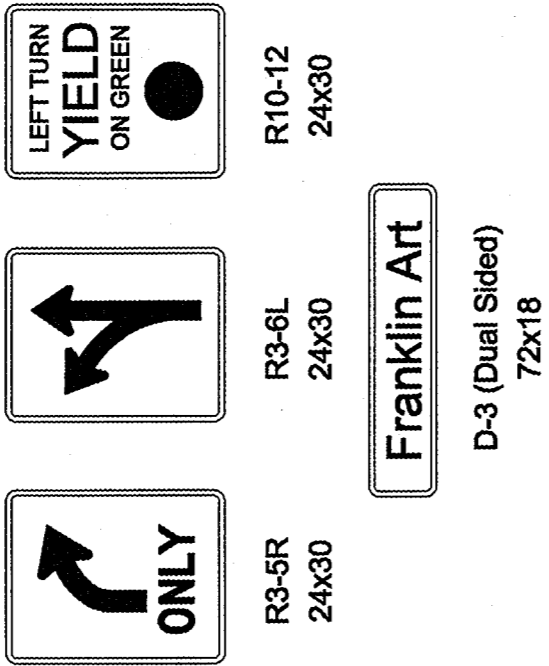
CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1490	659.10 MOBILIZATION	LUMP	LUMP			
	TOTAL BID					

SIGNAL PLAN NOTES:

1. ALL SIGNAL EQUIPMENT AND SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST ACCEPTED EDITION.
2. INSTALLATION AND MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS AS PUBLISHED BY THE MAINE DEPARTMENT OF TRANSPORTATION.
3. THE CONTRACTOR IS RESPONSIBLE FOR FINDING EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT DIG-SAFE AND APPROPRIATE AUTHORITIES PRIOR TO ANY SUBSURFACE ACTIVITIES.
4. LOOP DETECTOR CARDS SHALL BE DUAL FUNCTIONAL TO SUPPORT BOTH LOCAL DETECTION AND COUNTING.
5. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY CONNECTIONS FOR A #6 AWG BONDING WIRE IS ATTACHED TO AN EXISTING UTILITY'S VERTICAL GROUND WIRE.

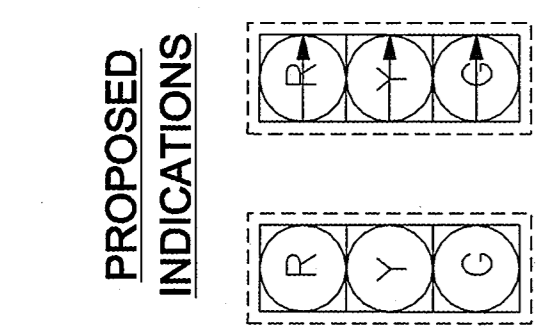
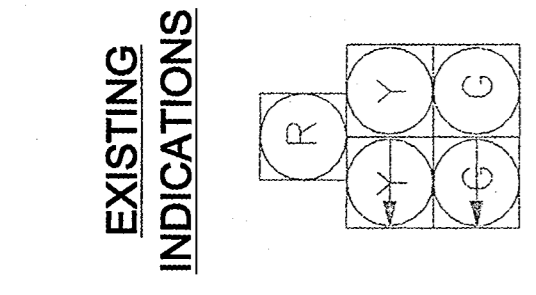
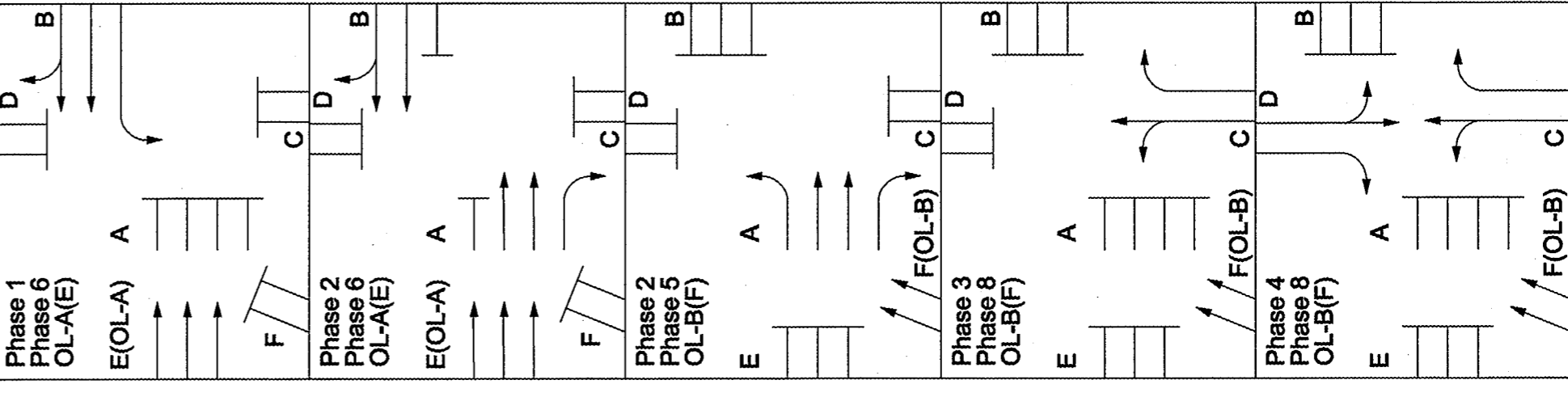
EXISTING SIGNS



PROPOSED SIGNS



PHASE DIAGRAM



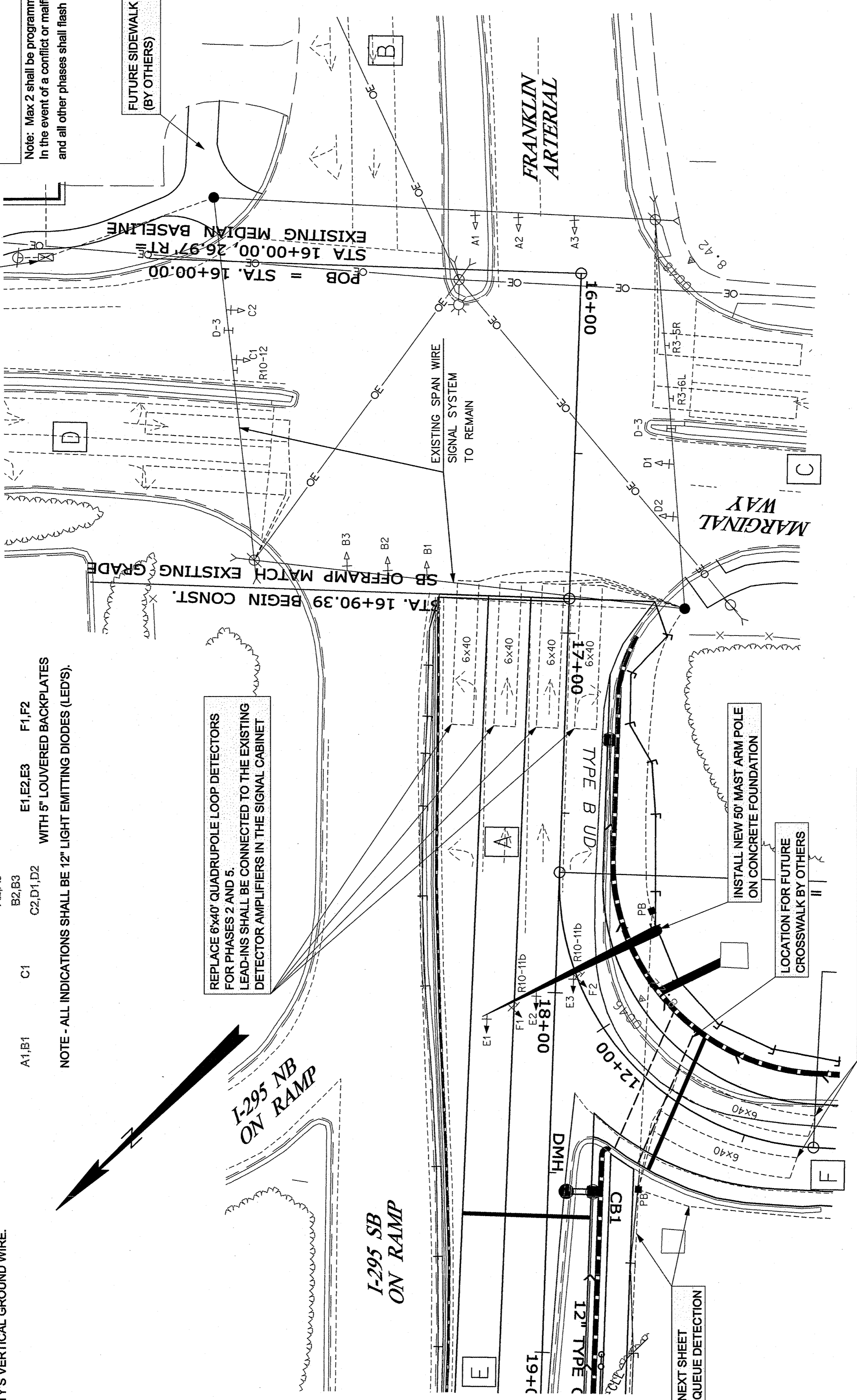
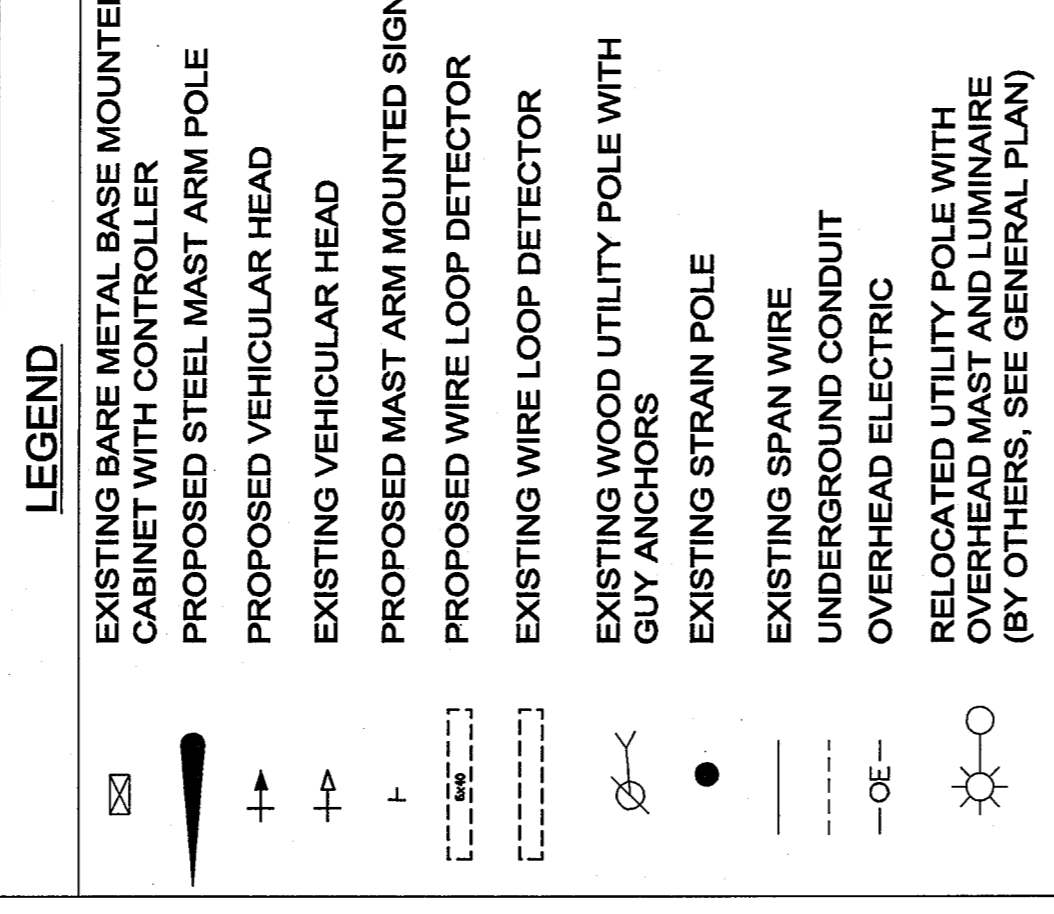
NOTE - ALL INDICATIONS SHALL BE 12" LIGHT EMITTING DIODES (LED'S).
WITH 5" LOUVERED BACKPLATES

CONNECT NEW SIGNAL WIRING TO EXISTING CABINET BACK PANEL. INSTALL NEW DETECTOR AMPLIFIER FOR NEW LOOP DETECTORS. REPROGRAM CONTROLLER WITH NEW TIMING, PHASING, AND COORDINATION PROGRAMMING AS SHOWN. INSTALL CONTACT CLOSURE CARDS AND PROGRAM QUEUE DETECTION PREEMPTION

SIGNAL TIMING

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 8
MIN GREEN	3	10	3	5	3	10	5
EXTENSION	2.0	3.0	2.0	2.0	3.0	2.0	2.0
MAX 1	20	45	20	20	20	45	20
MAX 2	25	55	14	15	15	55	15
VEH CLEAR	3.5	3.5	3.5	3.5	3.5	3.5	3.5
RED CLEAR	2.5	2.5	1.0	2.5	2.5	2.5	2.5
WALK	-	-	-	-	-	-	-
RECALL	OFF	SOFT	OFF	OFF	OFF	SOFT	OFF

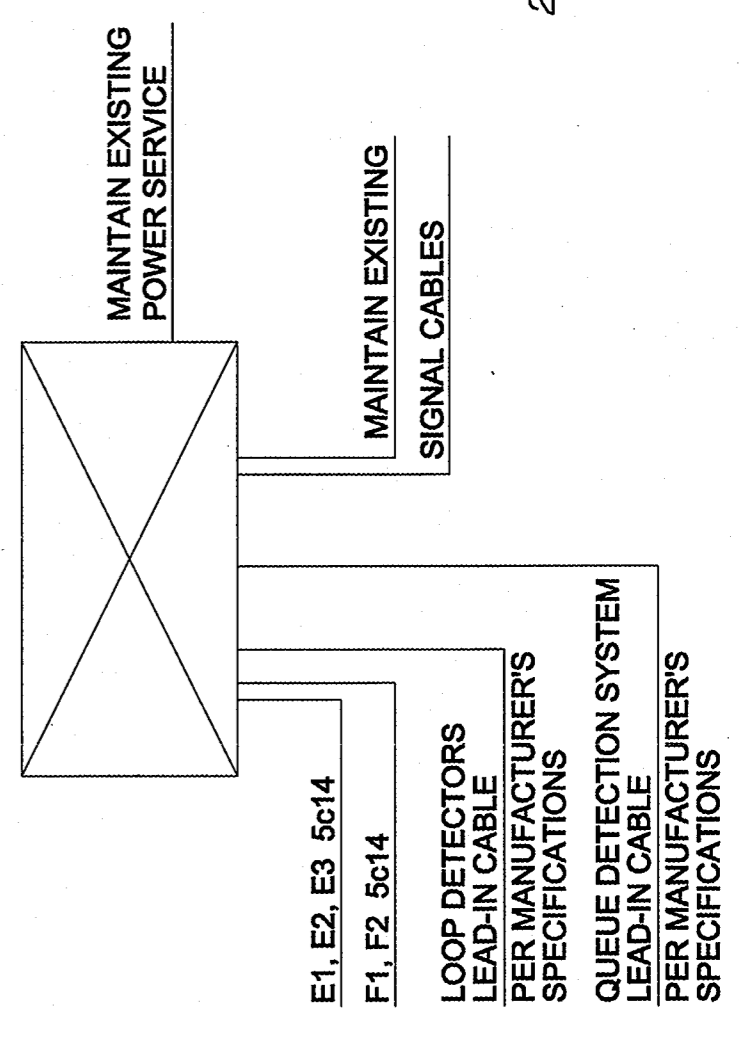
Note: Max 2 shall be programmed During Coordination. In the event of a conflict or malfunction phases 2 and 6 shall flash yellow and all other phases shall flash red.



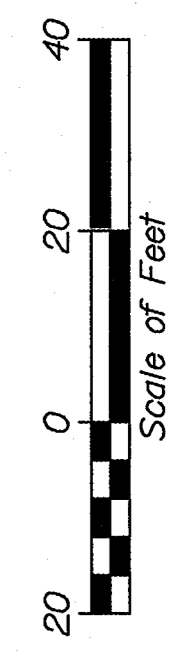
DETECTOR SCHEDULE

STREET	DIRECTION	LANE	Ø	AMPLIFIER RACK		INDUCTANCE	CONTINUITY	RESISTANCE
				TYPE	SLOT NO. CHANNEL			
FRANKLIN ARTERIAL	EASTBOUND	LEFT	5	PRESENCE	2			
FRANKLIN ARTERIAL	EASTBOUND	THROUGH	2	PRESENCE	1			
FRANKLIN ARTERIAL	EASTBOUND	RIGHT	2	PRESENCE	1			
FRANKLIN ARTERIAL	WESTBOUND	LEFT	1	PRESENCE	2			
FRANKLIN ARTERIAL	WESTBOUND	THROUGH	6	PRESENCE	1			
FRANKLIN ARTERIAL	WESTBOUND	RIGHT	6	PRESENCE	1			
MARGINAL WAY	NORTHBOUND	LEFT-THROUGH	3	PRESENCE	4			
MARGINAL WAY	NORTHBOUND	RIGHT	8	PRESENCE	3			
MARGINAL WAY	SOUTHBOUND	LEFT-THROUGH	4	PRESENCE	3			
MARGINAL WAY	SOUTHBOUND	RIGHT	4	PRESENCE	3			
I-295 SB OFF-RAMP	EASTBOUND	QUEUE ZONE	6	QUEUEING	5			
I-295 NB OFF-RAMP	NORTHBOUND	QUEUE ZONE	6	QUEUEING	5			
I-295 NB OFF-RAMP	NORTHBOUND	RIGHT	5	QUEUEING	5			
I-295 NB OFF-RAMP	NORTHBOUND	QUEUE ZONE	5	QUEUEING	5			

WIRING DIAGRAM



PLAN



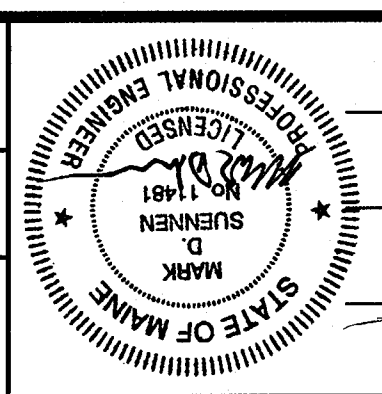
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HP_1563(400E)
PIN
15634.00

STATE OF MAINE
PROFESSIONAL ENGINEER
MARK SUENNEN
1481
09/29/2010
P.E. NUMBER
DATE
SIGNATURE

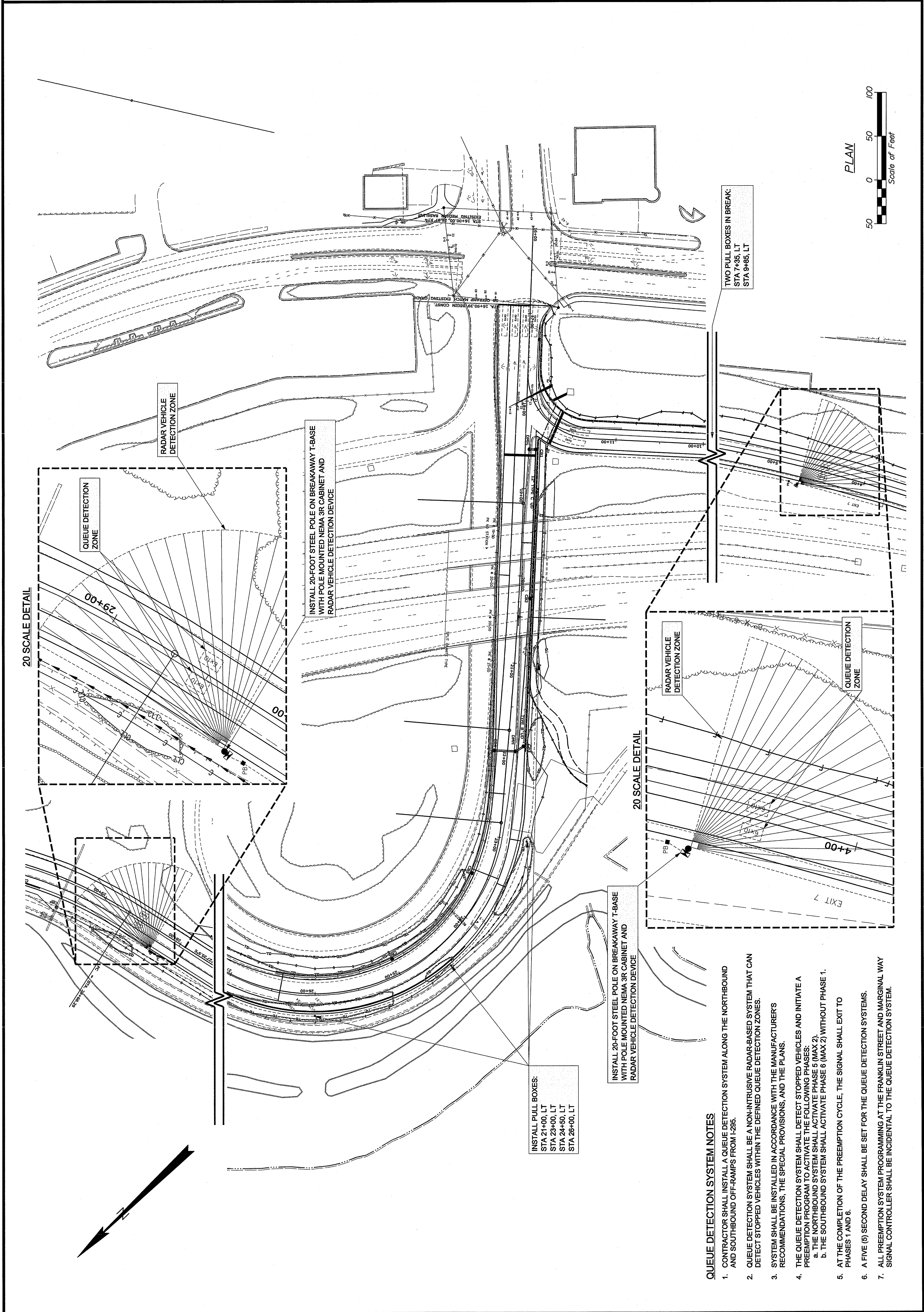
PROJ. MANAGER
M. SUENNEN
J. ROBERT
DATE
3/10
CHECKED-REVIEWED
DESIGN-DETAILED
DESIGN-DETAILED
DESIGN-DETAILED
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

PORTLAND
FRANKLIN ARTERIAL AND MARGINAL WAY
TRAFFIC SIGNAL PLAN

SHEET NUMBER
10
OF 76



PROJ. MGR	M. SUENEN	J. ROBERT	3/10
BY			
DATE			
SIGNATURE			
P.E. NUMBER	11481		
DATE	04/29/2010		



20 SCALE DETAIL

20 SCALE DETAIL



RADAR VEHICLE
DETECTION ZONE

QUEUE DETECTION
ZONE

INSTALL 20-FOOT STEEL POLE ON BREAKAWAY T-BASE
WITH POLE MOUNTED NEMA 3R CABINET AND
RADAR VEHICLE DETECTION DEVICE

TWO PULL BOXES IN BREAK:
STA 7+35, LT
STA 9+85, LT

RADAR VEHICLE
DETECTION ZONE

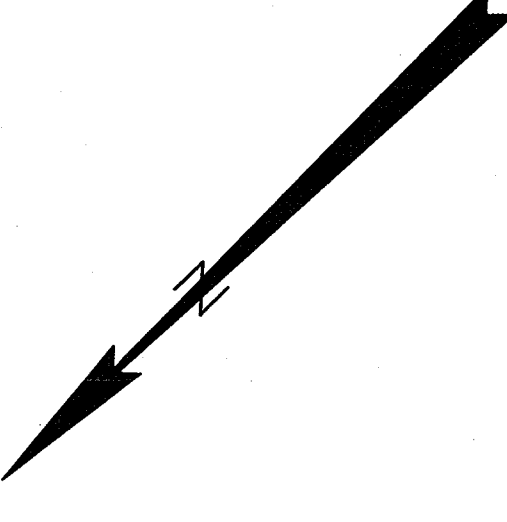
QUEUE DETECTION
ZONE

INSTALL 20-FOOT STEEL POLE ON BREAKAWAY T-BASE
WITH POLE MOUNTED NEMA 3R CABINET AND
RADAR VEHICLE DETECTION DEVICE

INSTALL PULL BOXES:
STA 21+00, LT
STA 23+00, LT
STA 24+50, LT
STA 28+00, LT

QUEUE DETECTION SYSTEM NOTES

- CONTRACTOR SHALL INSTALL A QUEUE DETECTION SYSTEM ALONG THE NORTHBOUND AND SOUTHBOUND OFF-RAMPS FROM I-295.
- QUEUE DETECTION SYSTEM SHALL BE A NON-INTRUSIVE RADAR-BASED SYSTEM THAT CAN DETECT STOPPED VEHICLES WITHIN THE DEFINED QUEUE DETECTION ZONES.
- SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
- THE QUEUE DETECTION SYSTEM SHALL DETECT STOPPED VEHICLES AND INITIATE A PREEMPTION PROGRAM TO ACTIVATE THE FOLLOWING PHASES:
 - THE NORTHBOUND SYSTEM SHALL ACTIVATE PHASE 5 (MAX 2).
 - THE SOUTHBOUND SYSTEM SHALL ACTIVATE PHASE 6 (MAX 2) WITHOUT PHASE 1.
- AT THE COMPLETION OF THE PREEMPTION CYCLE, THE SIGNAL SHALL EXIT TO PHASES 1 AND 6.
- A FIVE (5) SECOND DELAY SHALL BE SET FOR THE QUEUE DETECTION SYSTEMS.
- ALL PREEMPTION SYSTEM PROGRAMMING AT THE FRANKLIN STREET AND MARGINAL WAY SIGNAL CONTROLLER SHALL BE INCIDENTAL TO THE QUEUE DETECTION SYSTEM.

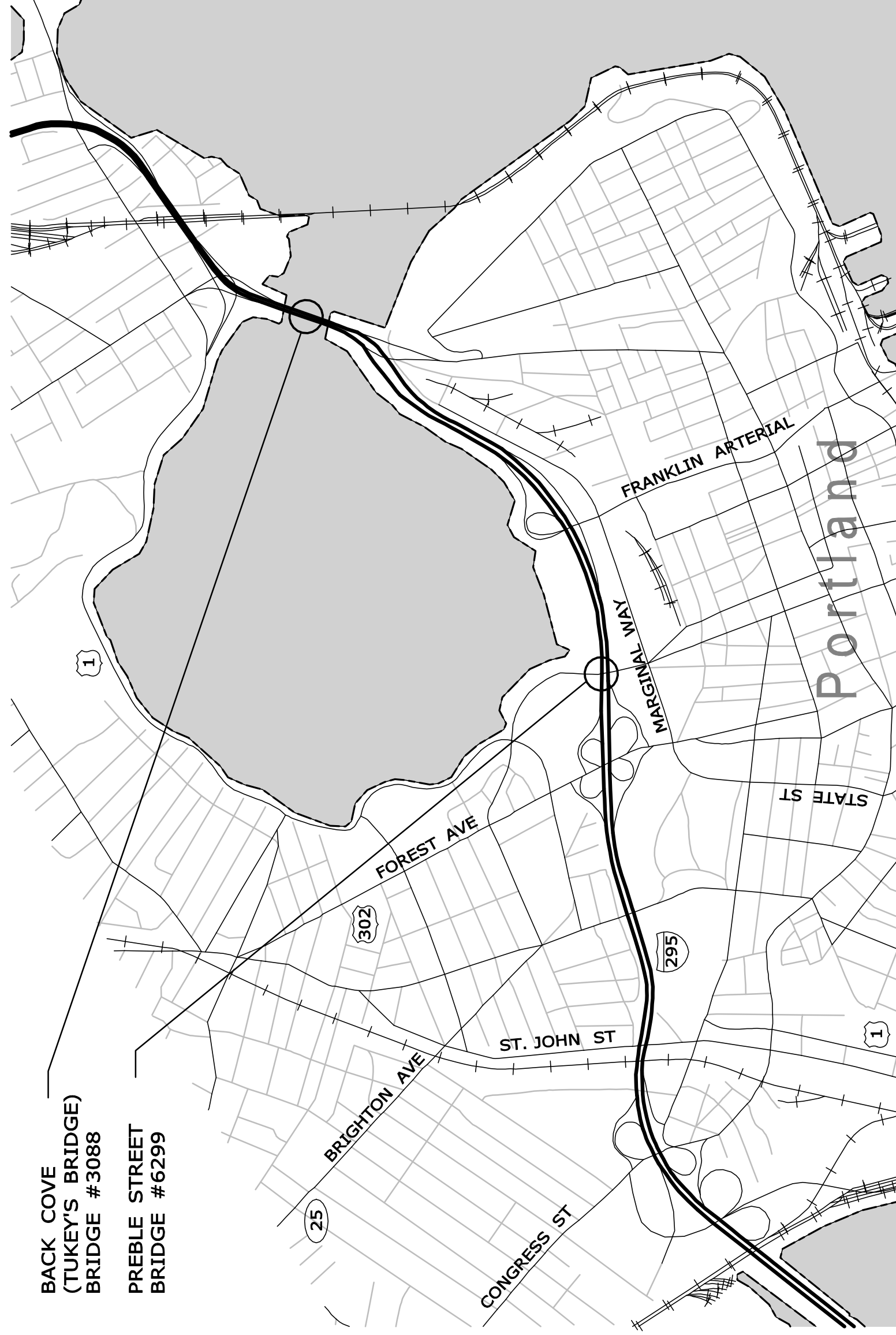


ITEM NO.	ESTIMATED BRIDGE QUANTITIES			TOTAL	UNIT
	DESCRIPTION	QUANTITY Back Cove (Tukey's Bridge) Br. No. #3088	QUANTITY Preble Street Br. No. 6299		
202.202	REMOVING PAVEMENT SURFACE	3450	600	4050	SY
202.30	REMOVING EXISTING CONCRETE WEARING SURFACE (605 SY)	0	0	0	LS
502.29	STRUCTURAL CONCRETE WEARING SURFACE ON BRIDGE (38 CY)	0	0	0	LS
502.70	BRIDGE DRAIN - TYPE A	0	0	0	EA
502.70	BRIDGE DRAIN - TYPE C	0	0	0	EA
502.701	BRIDGE DRAIN GRATE MODIFICATION	28	0	28	EA
507.0926	FURNISH ALUMINUM BRIDGE RAIL COMPONENTS	0	0	0	LS
507.0927	ALUMINUM BRIDGE RAIL 2 BAR POST REPLACEMENT	0	0	0	EA
507.0928	ALUMINUM BRIDGE RAIL RAIL SECTION REPLACEMENT	0	0	0	LF
507.30	ALUMINUM BRIDGE RAIL SPLICE RETROFIT	0	0	0	EA
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (17,080 SY)	0.2	0.04	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (1,360 SY)	0.03	0.03	1	LS
518.39	REPAIRING GRANITE CURB BEDDING MORTAR	150	35	185	LF
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL (7.9 IN.)	990	170	1160	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL (7.9 IN.)	230	40	270	SF
518.52	REPAIR OF UPWARD FACING SURFACES >7.9 IN.	1	1	2	CY
518.60	REPAIR OF VERTICAL SURFACES < 7.9 IN.	10	10	20	SF
518.61	REPAIR OF VERTICAL SURFACES > 7.9 IN.	1	1	2	CY
520.241	BRIDGE JOINT MODIFICATION TYPE 1	0	0	0	EA
520.242	BRIDGE JOINT MODIFICATION TYPE 2	0	2	2	EA
520.243	BRIDGE JOINT MODIFICATION TYPE 3	0	0	0	EA
520.244	BRIDGE JOINT MODIFICATION TYPE 4	0	0	0	EA
520.245	BRIDGE JOINT MODIFICATION TYPE 5	0	0	0	EA
520.246	BRIDGE JOINT MODIFICATION TYPE 6	0	0	0	EA
520.247	BRIDGE JOINT MODIFICATION TYPE 7	2	0	2	EA
523.5304	STEEL BEARINGS, EXPANSION, ROCKER	0	0	0	EA
524.301	TEMPORARY STRUCTURAL SUPPORT	0	0	0	LS
526.301	TEMPORARY CONCRETE BARRIER - TYPE 1 (10,000 LF)	0.08	0.02	1	LS
526.34	PERMANENT CONCRETE TRANSITION BARRIER	0	4	4	EA
527.34	WORK ZONE CRASH CUSHIONS	1	1	2	UN
627.76	TEMPORARY PAVEMENT MARKING LINE WHITE OR YELLOW (125,000 LF)	0.13	0	1	LS
627.77	REMOVING EXISTING PAVEMENT MARKING	3000	0	3000	SF
629.05	HAND LABOR, STRAIGHT TIME	20	10	30	HR
631.0	AIR COMPRESSOR (INCLUDING OPERATOR)	8	8	16	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	8	8	16	HR
645.306	FLEXIBLE REFLECTORIZED DELINEATOR	0	0	0	EA

* Undetermined Location

Notes:

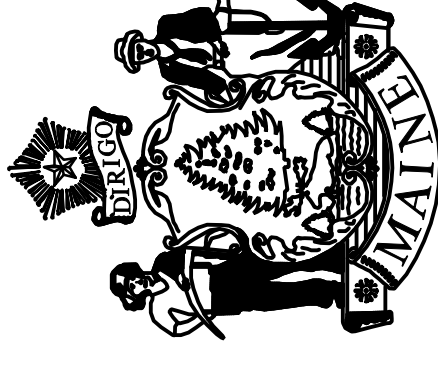
- Estimated Quantities for each bridge are provided here for reference purposes only.
- 403, 429 and 652 pay items are included with the highway paving project, PIN #16787.00.



BACK COVE
(TUKEY'S BRIDGE)
BRIDGE #3088

PREBLE STREET
BRIDGE #6299

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



FALMOUTH TO S. PORTLAND CUMBERLAND COUNTY INTERSTATE 295 SOUTHBOUND BRIDGE REHABILITATION PROJECTS

IM-1779(300)E

APPENDIX A

BACK COVE (TUKEY'S BRIDGE) AND PREBLE STREET BRIDGE

BRIDGE NUMBERS:
3088, 6299

LIST OF DRAWINGS

Estimated Bridge Quantities	1
Plan and Transverse Section	2
Back Cove (Tukey's Bridge), Bridge #3088	3
Preble Street, Bridge #6299	4
Joint Modification Details	5
Concrete Transition Barrier (Type 1)	6
Concrete Transition Barrier (Type 3A)	7
Construction Phasing Plans and Typical Sections	8-9
Back Cove (Tukey's Bridge)	10-11
Preble Street	10-11

Notes:

- See sheet 3 of 55 for General Notes.
- Contractor shall note Appendix A adds the following two work zones for bridge work construction phasing:
 - I-295 over Back Cove (Tukey's Bridge)
 - I-295 over Preble Street

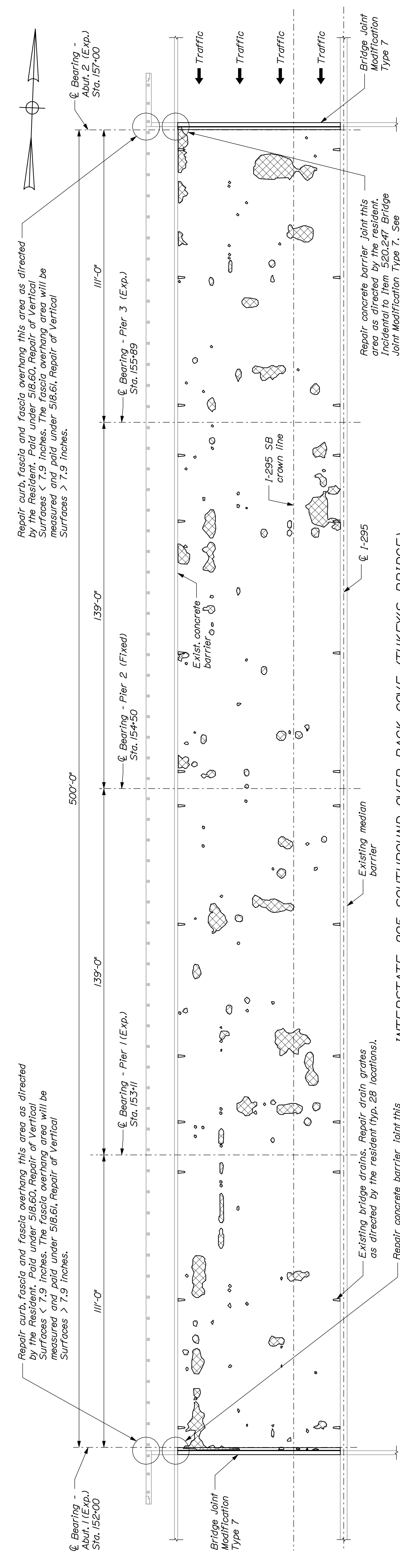
SHEET NUMBER

1

OF 11

INTERSTATE 295 SOUTHBOUND
FALMOUTH TO S. PORTLAND
CUMBERLAND COUNTY
ESTIMATED BRIDGE QUANTITIES

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
IM-1779(300)E
PIN 17793.00
BRIDGE NO. Varies
BRIDGE PLANS



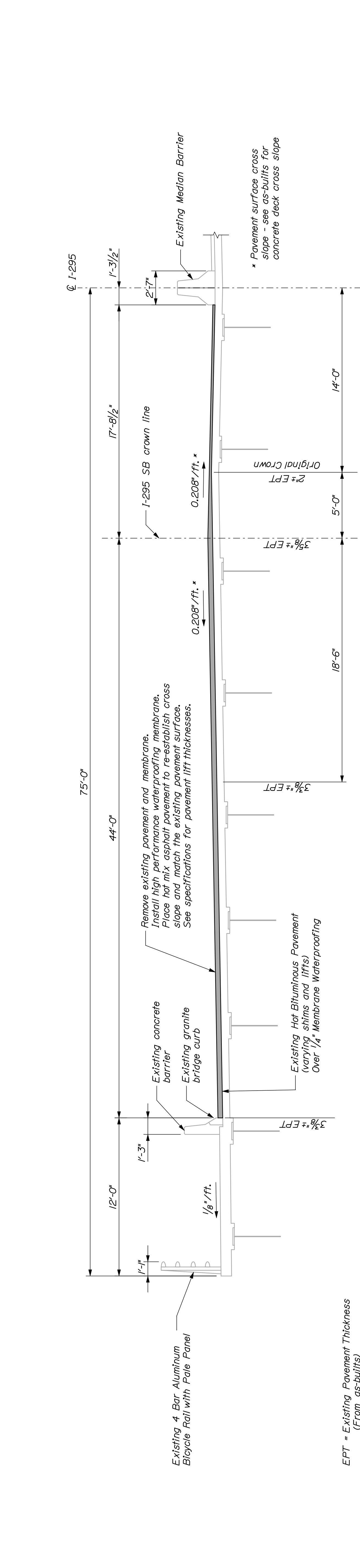
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P.E. NUMBER							
SIGNATURE							
DATE	04/10						
BY	RWH						
DWG. MANAGER							
DESIGN-DETAILED	CH						
CHECKED-REVIEWED	TRC						
DESIGN-DETAILED							
DESIGN-DETAILED							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							

INTERSTATE 295 SOUTHBOUND OVER BACK COVE TUKEY'S BRIDGE
Portland ~ Bridge No. 3088
N.T.S.

NOTES:
1. Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Approximate locations for deck repairs are shown on the plan. Exact locations may vary and shall be determined in the field. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items.
2. Contractor shall repair areas of deteriorated granite curb bedding mortar on the deck as required. Locations of deteriorated granite curb bedding mortar are undetermined. (Typ.)

LEGEND:
[Hatched Box] Approximate limits of deck repair

INTERSTATE 295 SOUTHBOUND
BACK COVE (TUKEY'S BRIDGE)
PORTLAND CUMBERLAND COUNTY



- NOTES:**
- Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Locations of deck repairs are undetermined for this bridge. Contractor shall identify and mark areas for deck repair after removing the wearing surface. Coordinate work with Resident. Payment for deck repair work shall be under the 518 pay items.
 - Contractor shall repair areas of deteriorated granite curb bedding mortar on the deck as required. Locations of deteriorated granite curb bedding mortar are undetermined. (Typ.)
 - Modifying existing bridge curb for matching proposed terminal curb shall be incidental to item 526.34.

Remove existing concrete transition barrier and install new concrete transition barrier (type 1)

Bridge Joint Modification Type 2

Notch existing bull-nosed curb and recess Terminal Curb Type 2 OR remove existing bull-nosed curb and rebuild with concrete (typ. - 4 locations). See note 3.

Limits of approach slab (typ.)

Relocate existing concrete transition barrier (type 1)

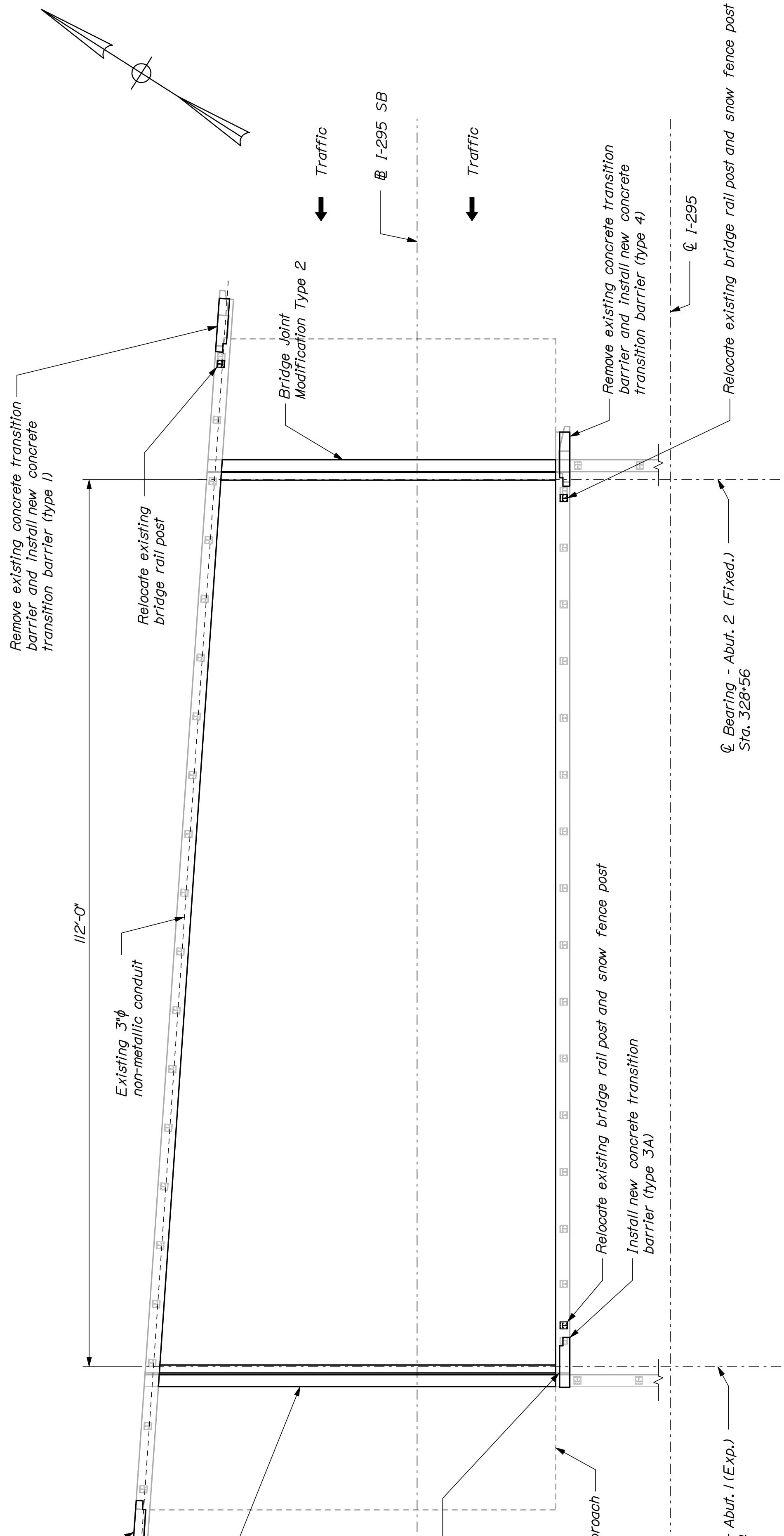
Relocate existing bridge rail post and snow fence post

Install new concrete transition barrier (type 3A)

Relocate existing bridge rail post and snow fence post

Existing 3"φ non-metallic conduit

112'-0"



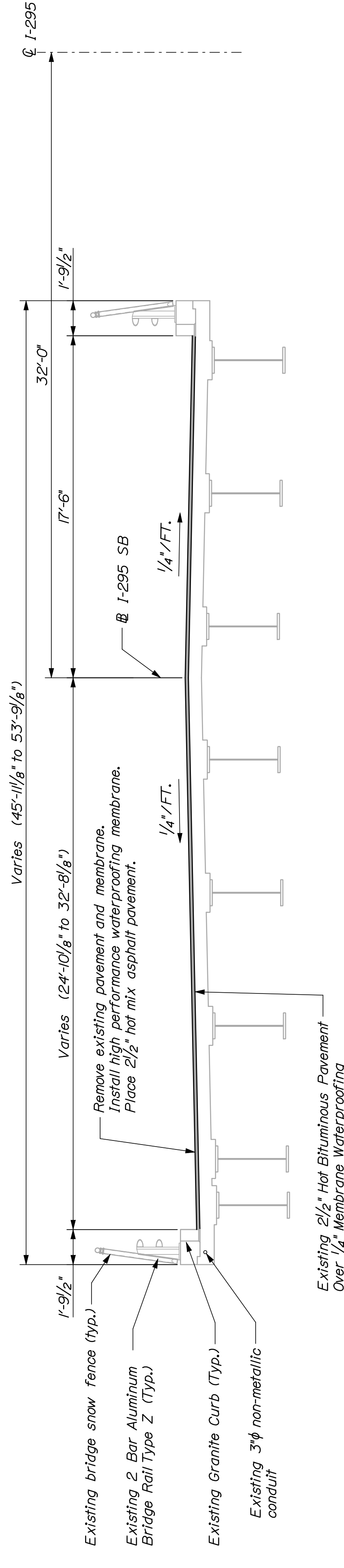
INTERSTATE 295 SOUTHBOUND OVER PREBLE STREET

Portland ~ Bridge No. 6299
N.T.S.

℄ Bearing - Abut. 1 (Exp.)
Sta. 327+44

℄ Bearing - Abut. 2 (Fixed.)
Sta. 328+56

℄ I-295



TRANSVERSE SECTION
N.T.S.

Existing 2 1/2" Hot Bituminous Pavement
Over 1/4" Membrane Waterproofing

PROJ. MANAGER	DATE	BY	DE
CHECKED - REVIEWED	04/10	RWH	
DESIGN - DETAILER			
DESIGN - DETAILER			
DESIGN - DETAILER			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	IM-1779(300E)	BRIDGE NO. 6299	17793.00	BRIDGE PLANS
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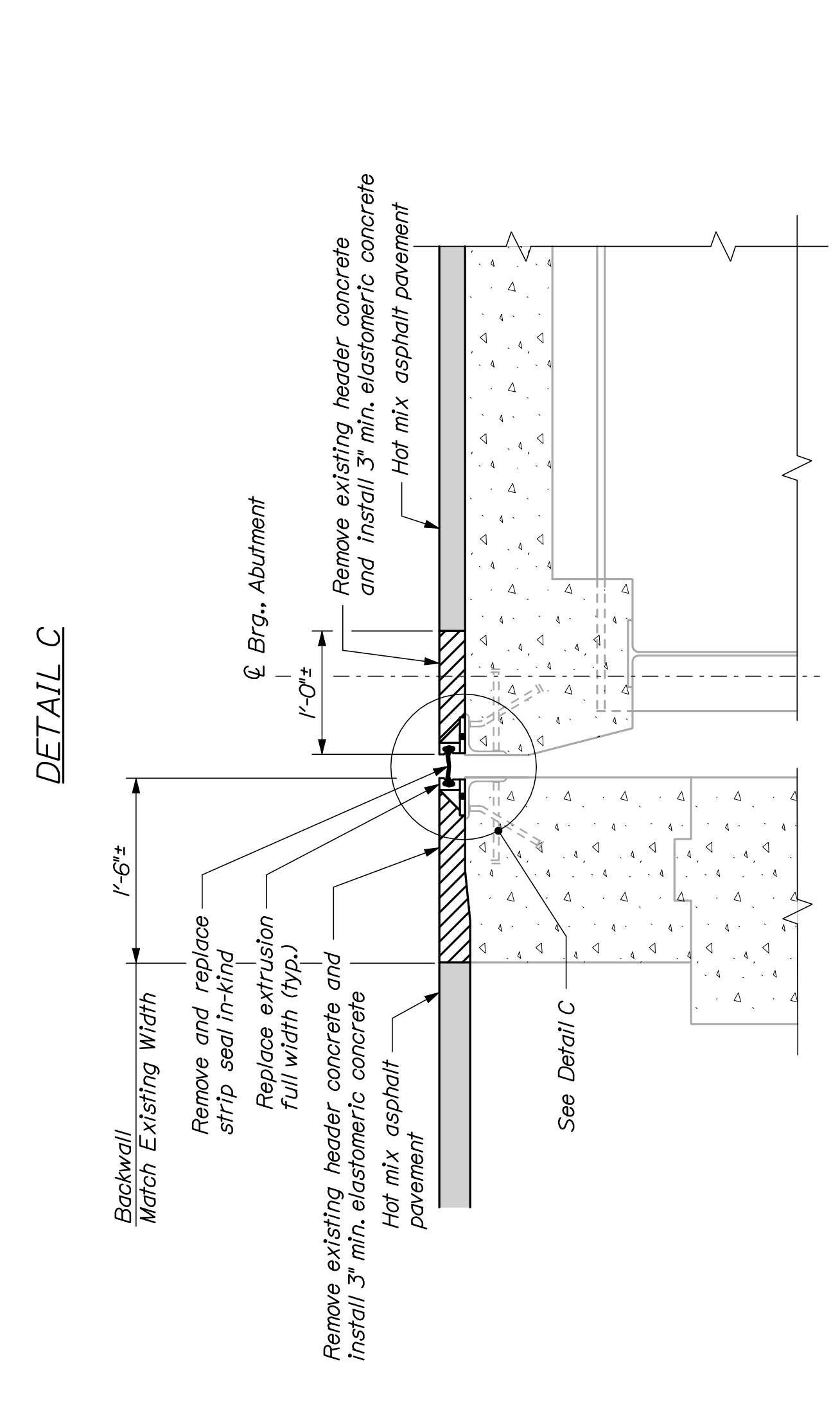
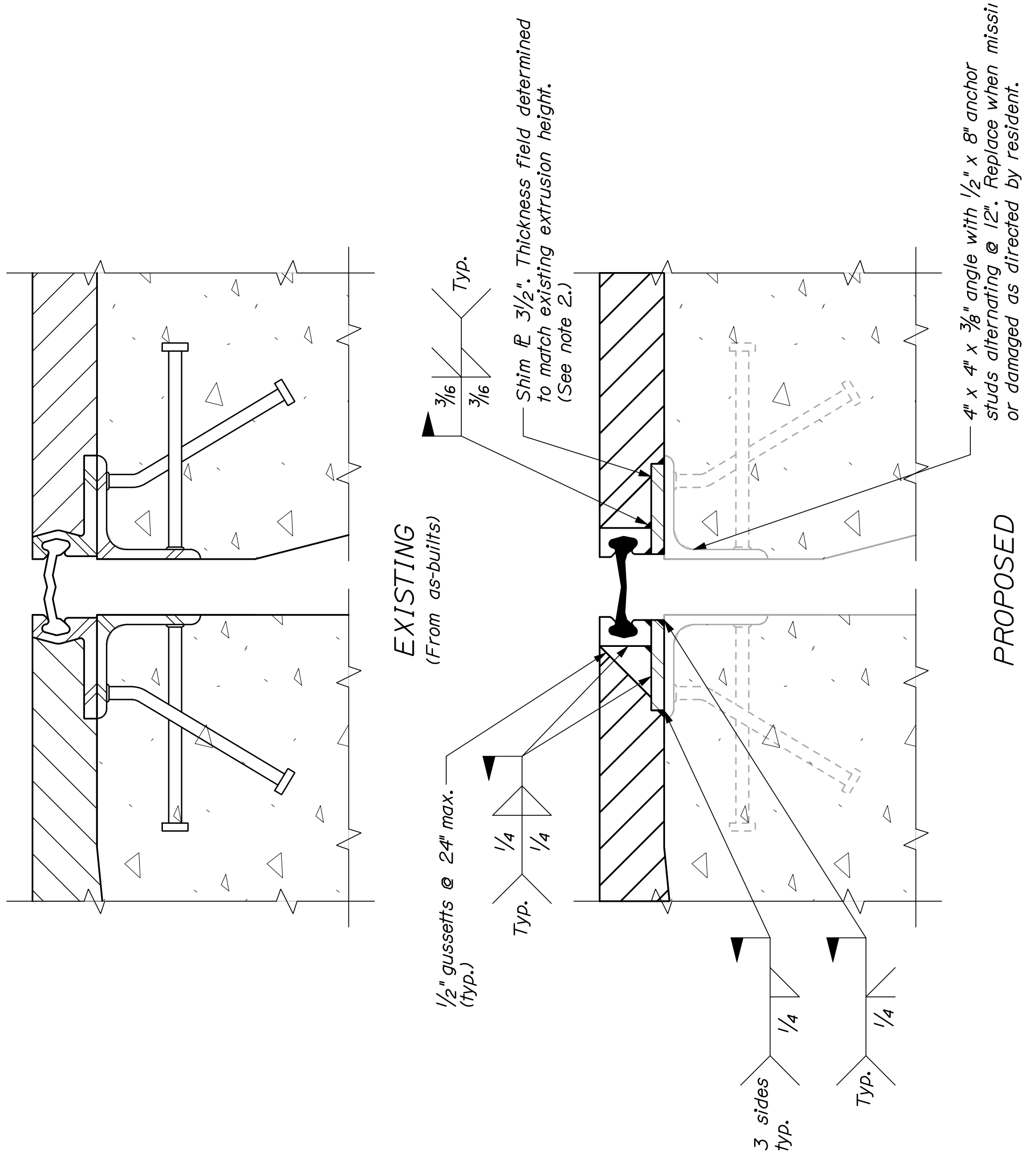
INTERSTATE 295 SOUTHBOUND
PREBLE STREET
PORTLAND CUMBERLAND COUNTY

PLAN AND TRANS. SECTION

SHEET NUMBER
3
OF 11

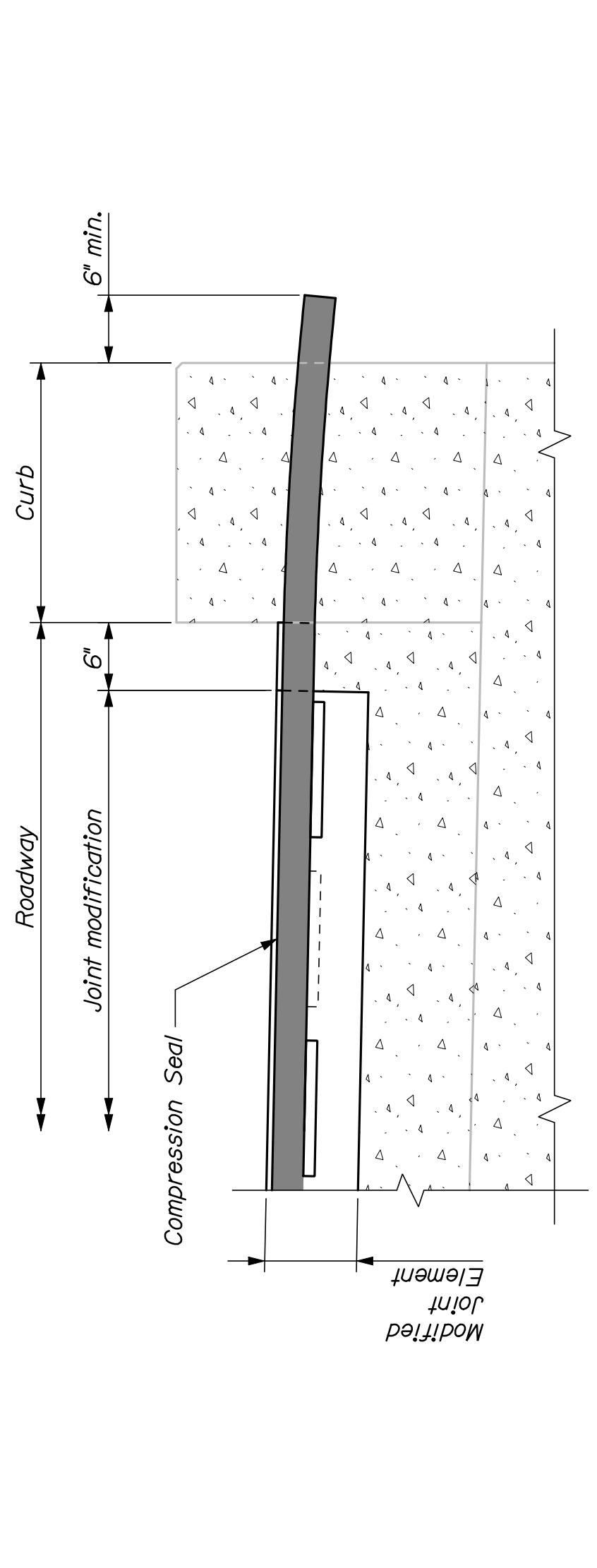
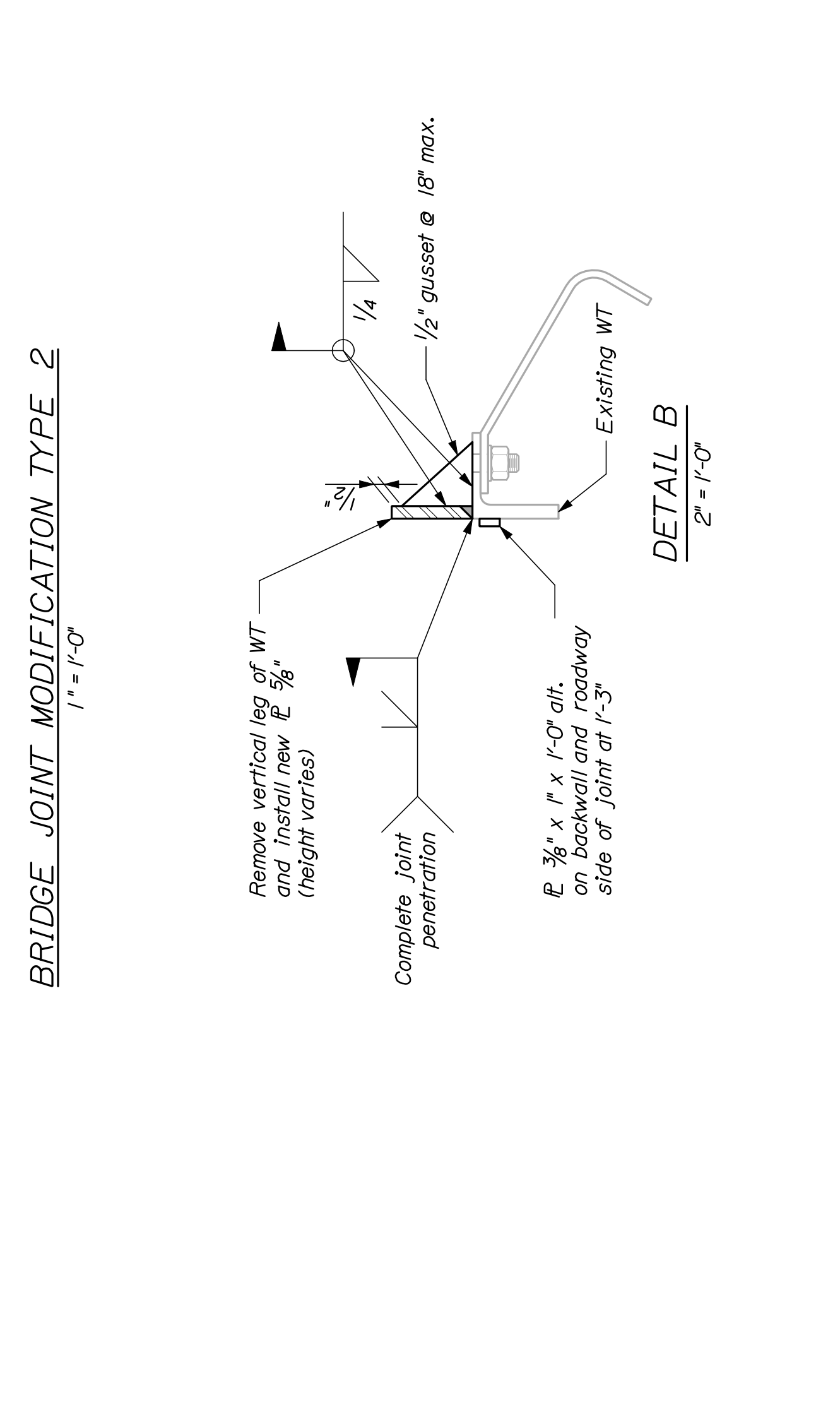
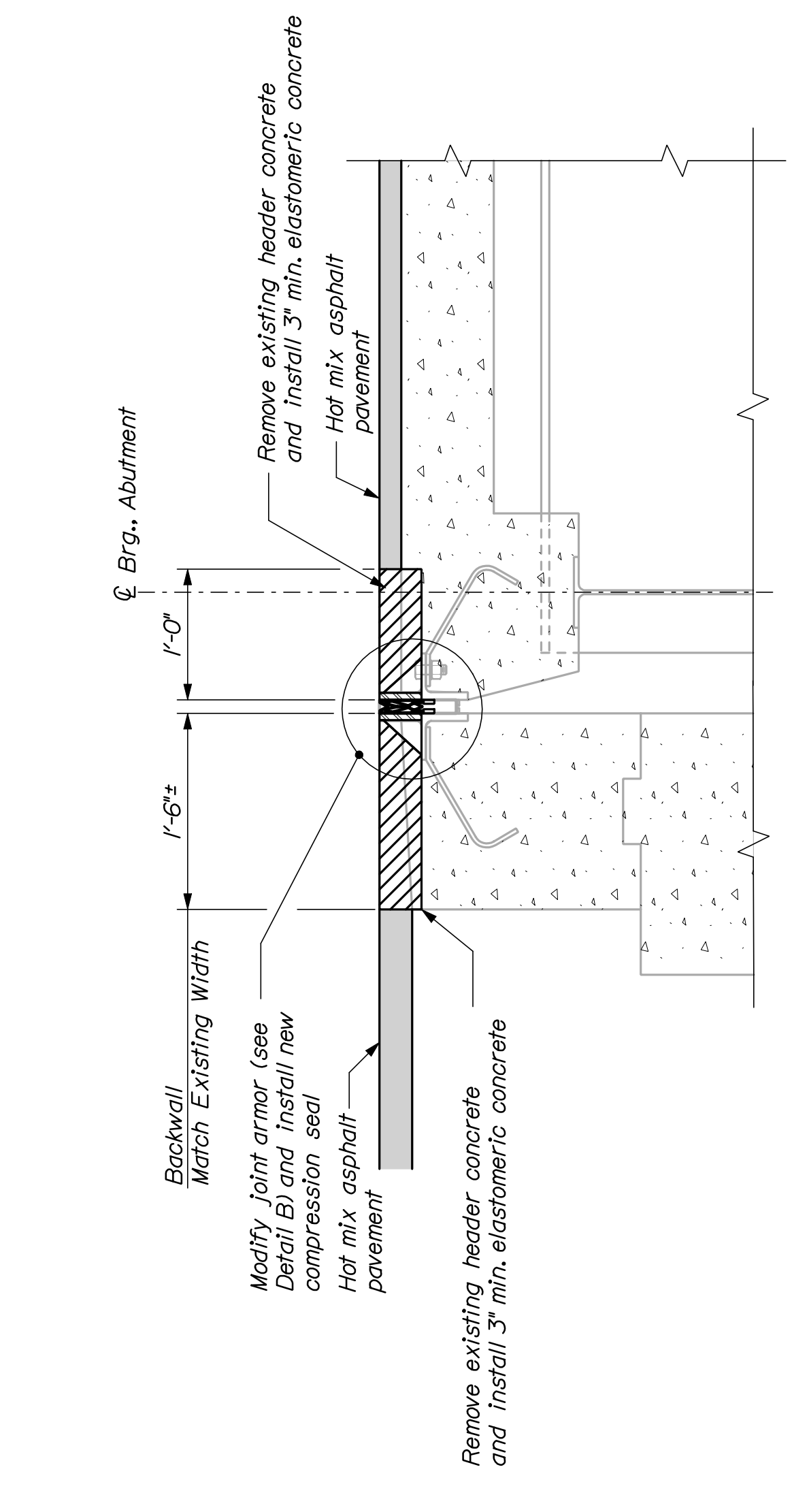
APPENDIX A

PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILS	04/10	RWH	04/10
CHECKED-REVIEWED			
DESIGN-DETAILS			
DESIGN-DETAILS			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



BACK COVE (TUKEY'S BRIDGE) OVERPASS
BRIDGE JOINT MODIFICATION TYPE 1
1" = 1'-0"

NOTES
1. Match existing extrusion shape and gland seal.
2. Match existing extrusion height by installing shim plate where required. Thickness of shim plate to be field determined by the Contractor.

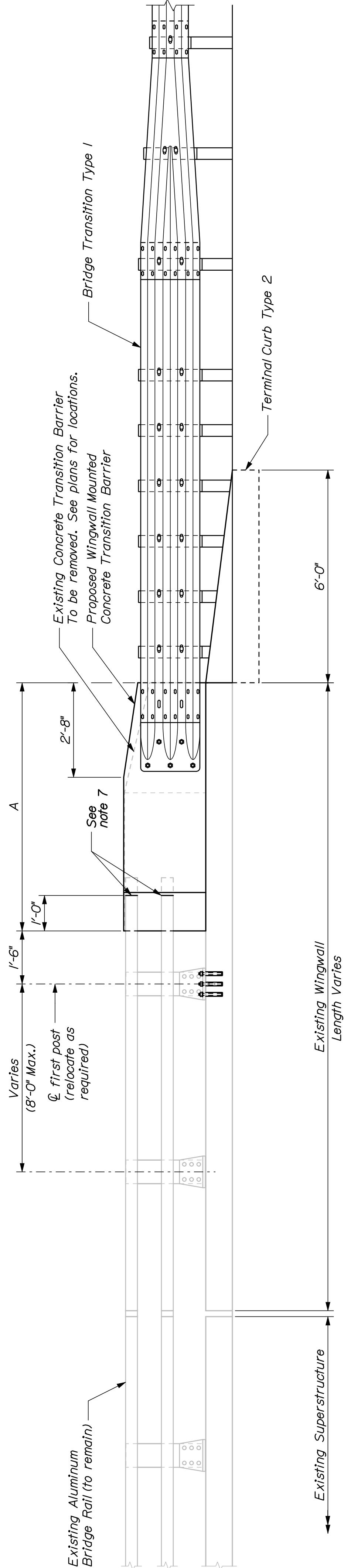


COMPRESSION SEAL JOINT DETAIL AT CURB

- 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 uncoated.
 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 header concrete shall be completed along the full width of the roadway. Bridge joint armor and extrusion modifications shall match into the existing steel armor approximately six inches from the gutterline. Replacement seals shall be full width.

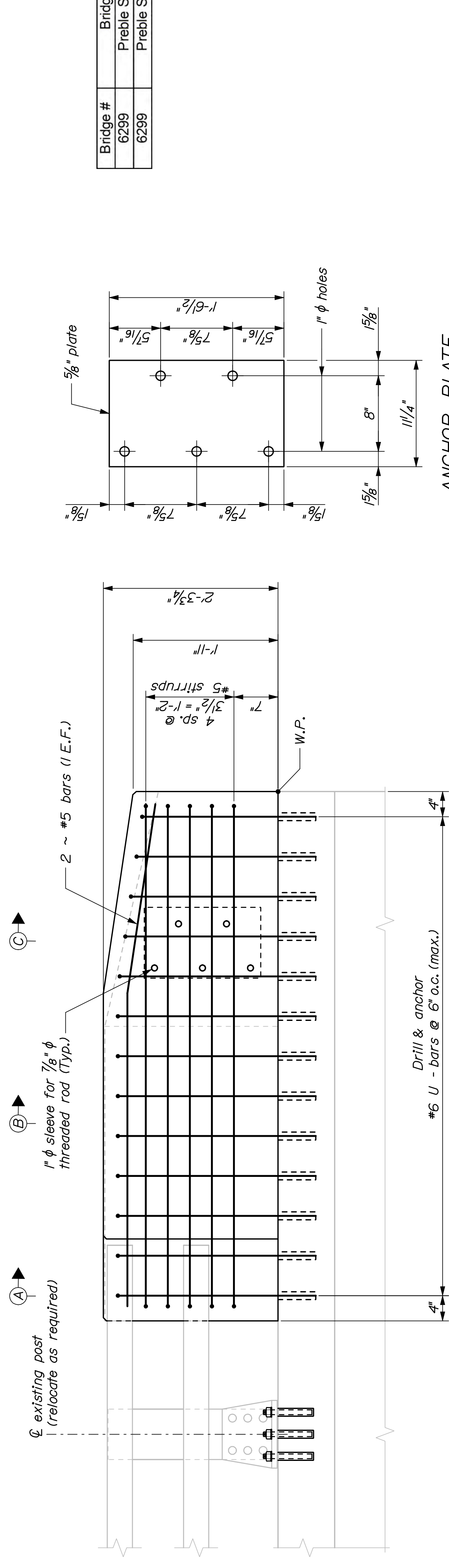
CONCRETE TRANSITION BARRIER NOTES

1. Refer to Standard Details Section 526 - Concrete Transition Barrier for details and information not shown.
2. Reinforcing steel for the Transition Barrier 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 reconstruct the existing curb at the Presumpscot River Bridge prior to completing the required endpost modifications. See Plan and Transverse Section sheet for details.
7. The contractor shall trim or install longer rail sections as directed by the resident to provide 12" of projection into the transition barrier recess.

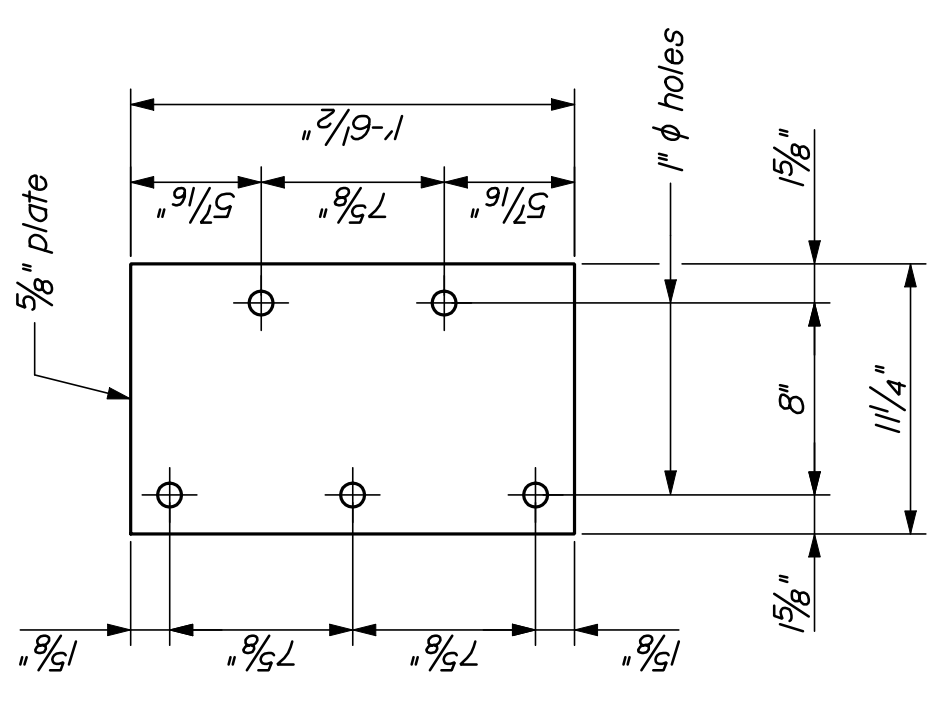


CONCRETE TRANSITION BARRIER (TYPE 1)

Roadway elevation shown

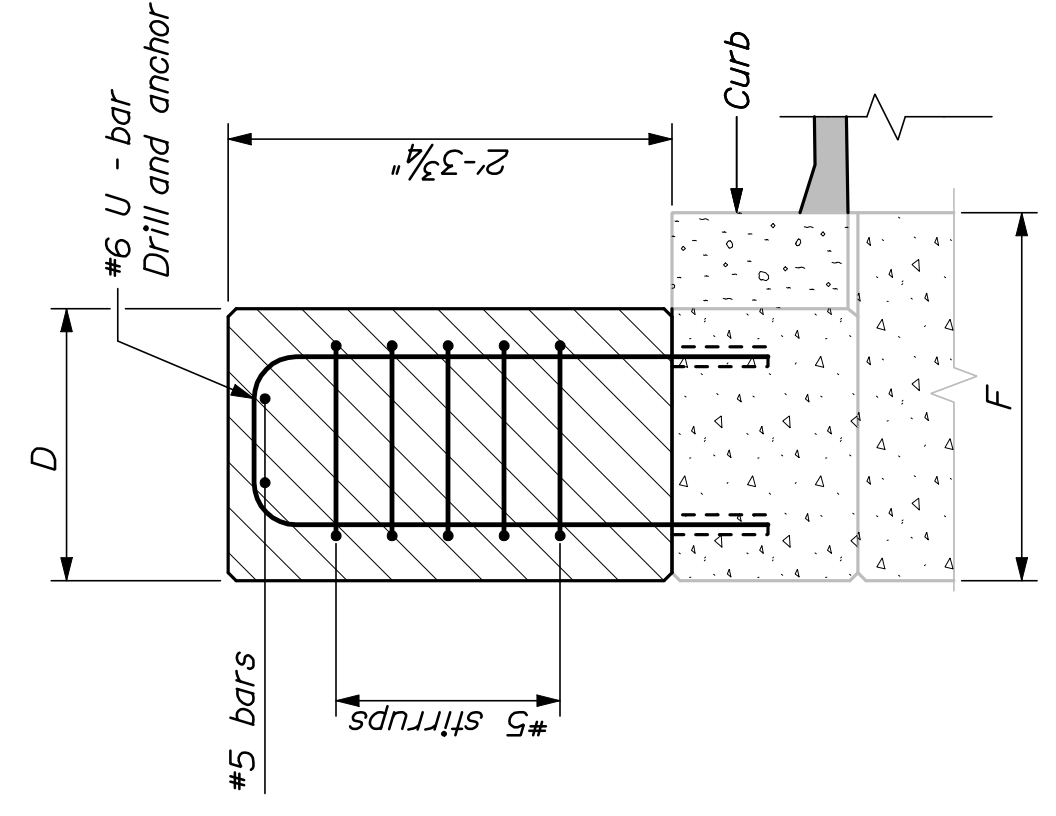
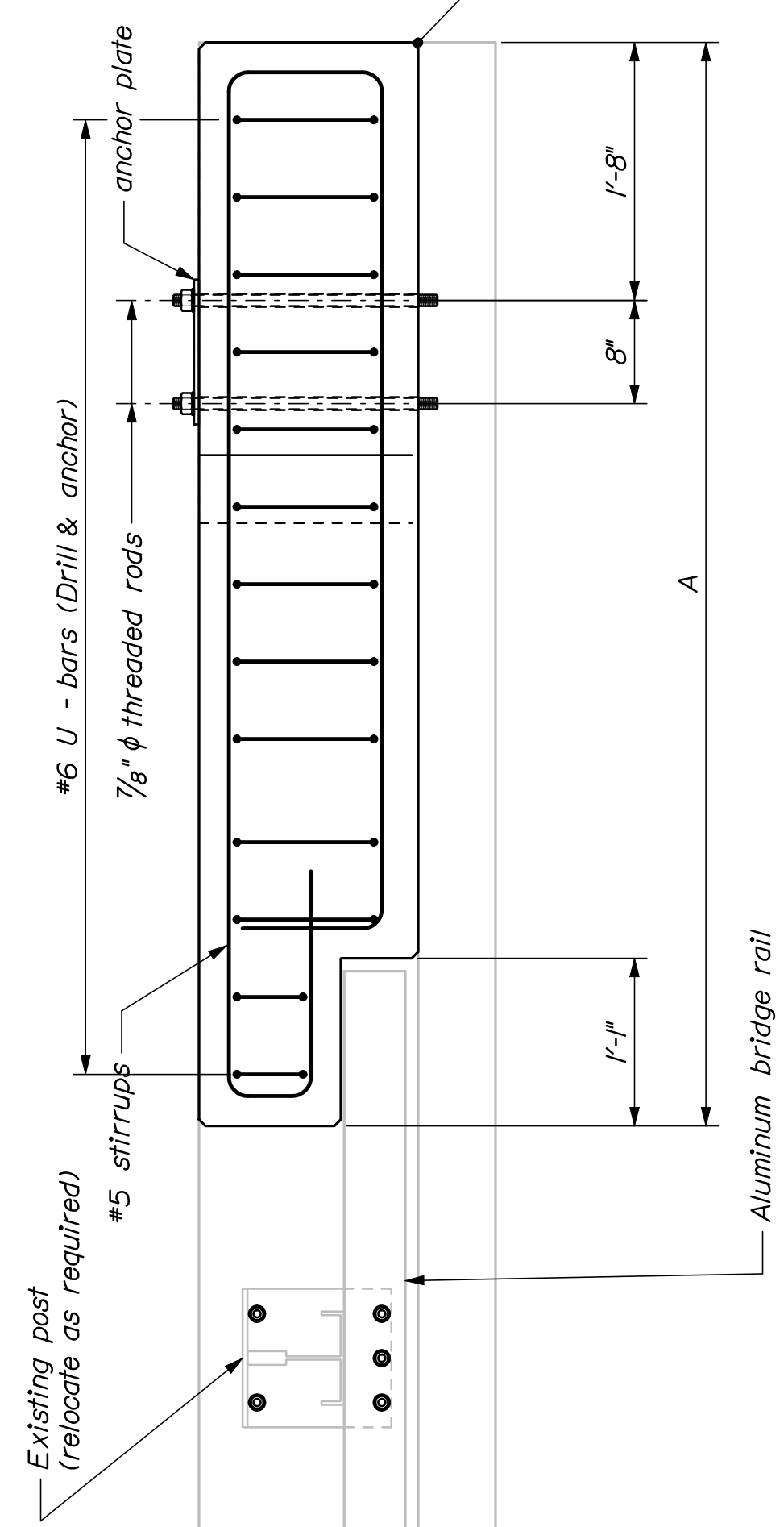


ANCHOR PLATE

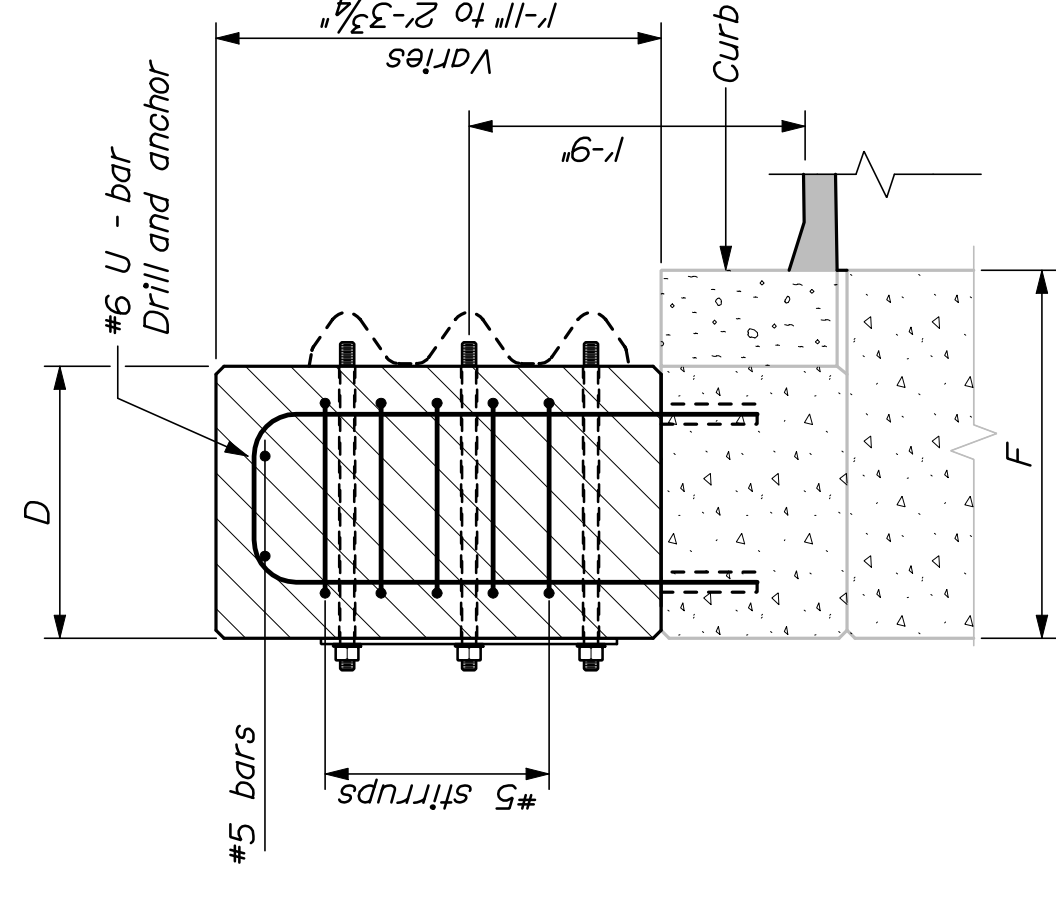


TRANSITION BARRIER ELEVATION

Roadway elevation shown



SECTION B-B



SECTION C-C

TRANSITION BARRIER PLAN

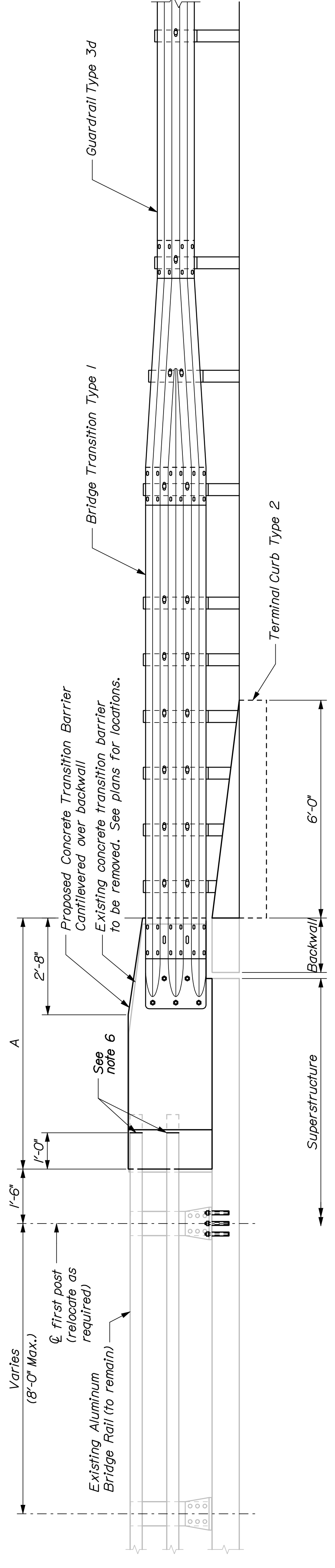
APPENDIX A

PROJ. MANAGER	DATE	BY	DATE
CHKD	RWH	04/10	
DESIGN-REVIEWED			
DESIGN-DETAILS			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

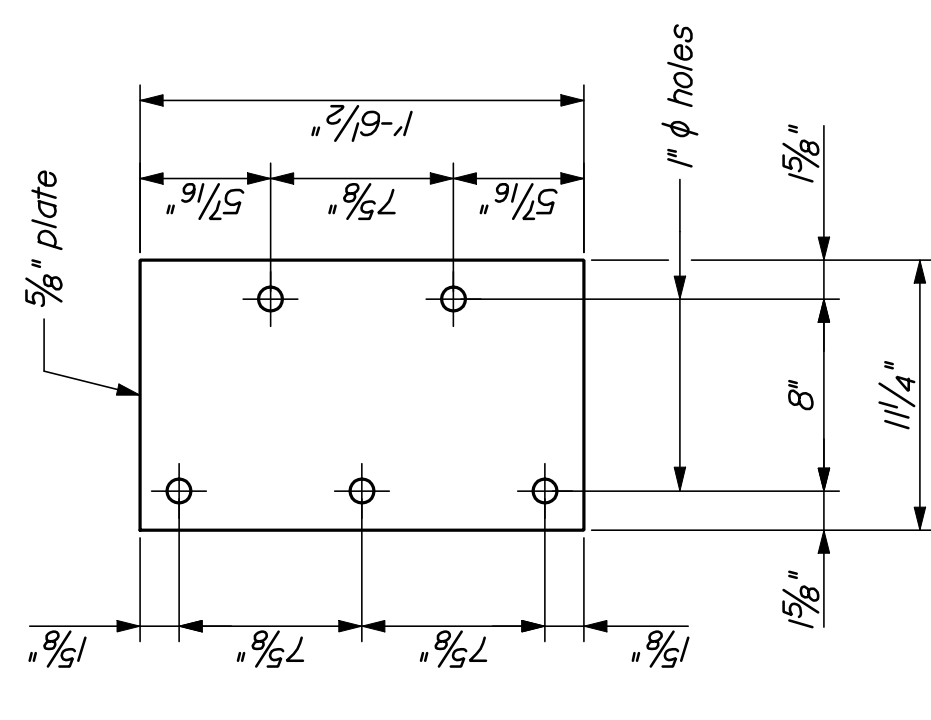
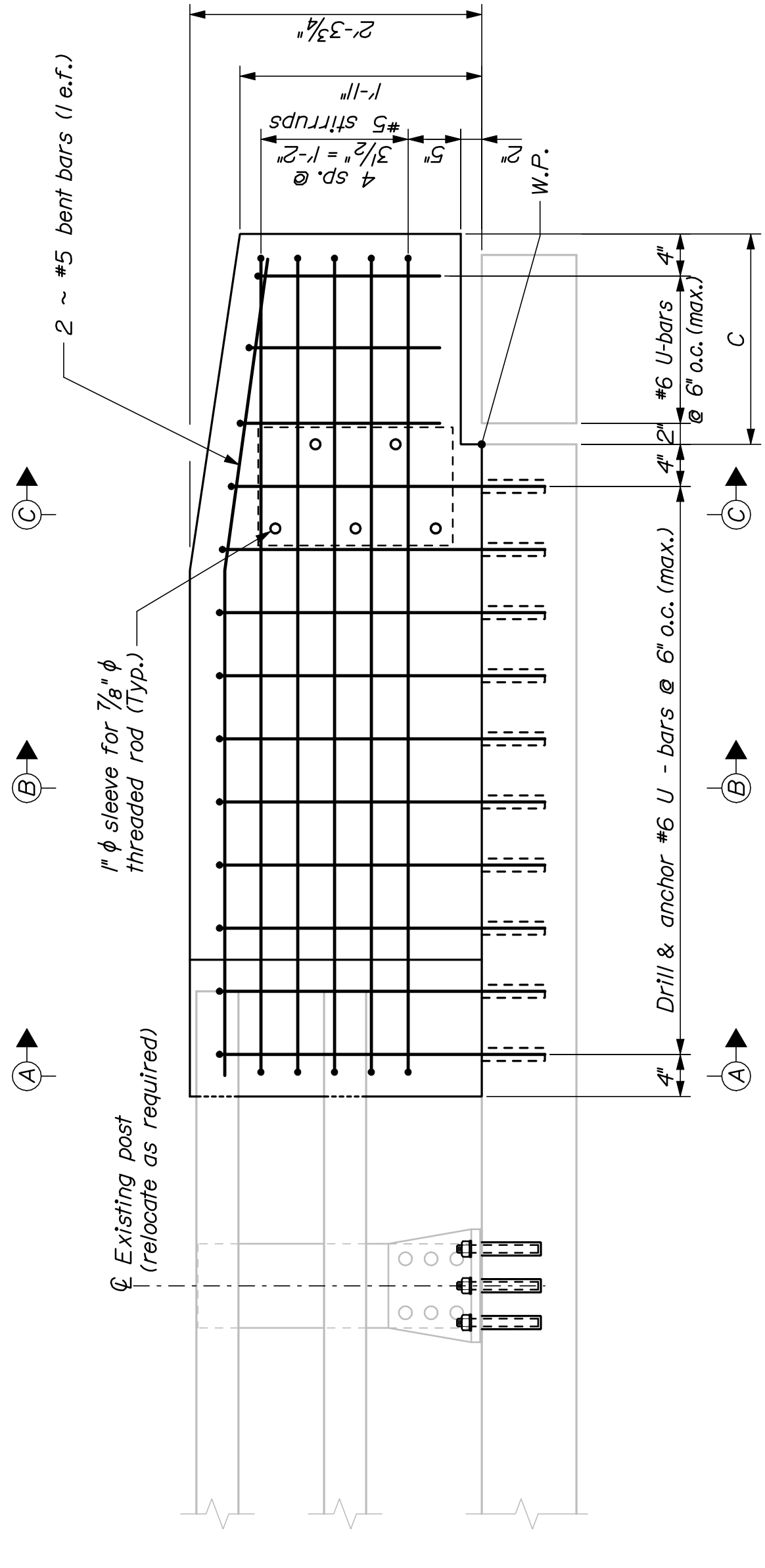
Bridge #	Location	A	D	E	F
6299	Approach Travel Lane	6'-9"	1'-3 1/2"	10 1/2"	1'-9 1/2"
6299	Departure Travel Lane	6'-1"	1'-3 1/2"	10 1/2"	1'-9 1/2"

PROJ. MANAGER	DATE	BY	DATE
CHKD - DETAILER	RWH	04/10	
CHECKED - REVIEWED	TRC	04/10	
DESIGN - DETAILER			
DESIGN - DETAILER			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

- 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' or projection into the transition barrier recess.

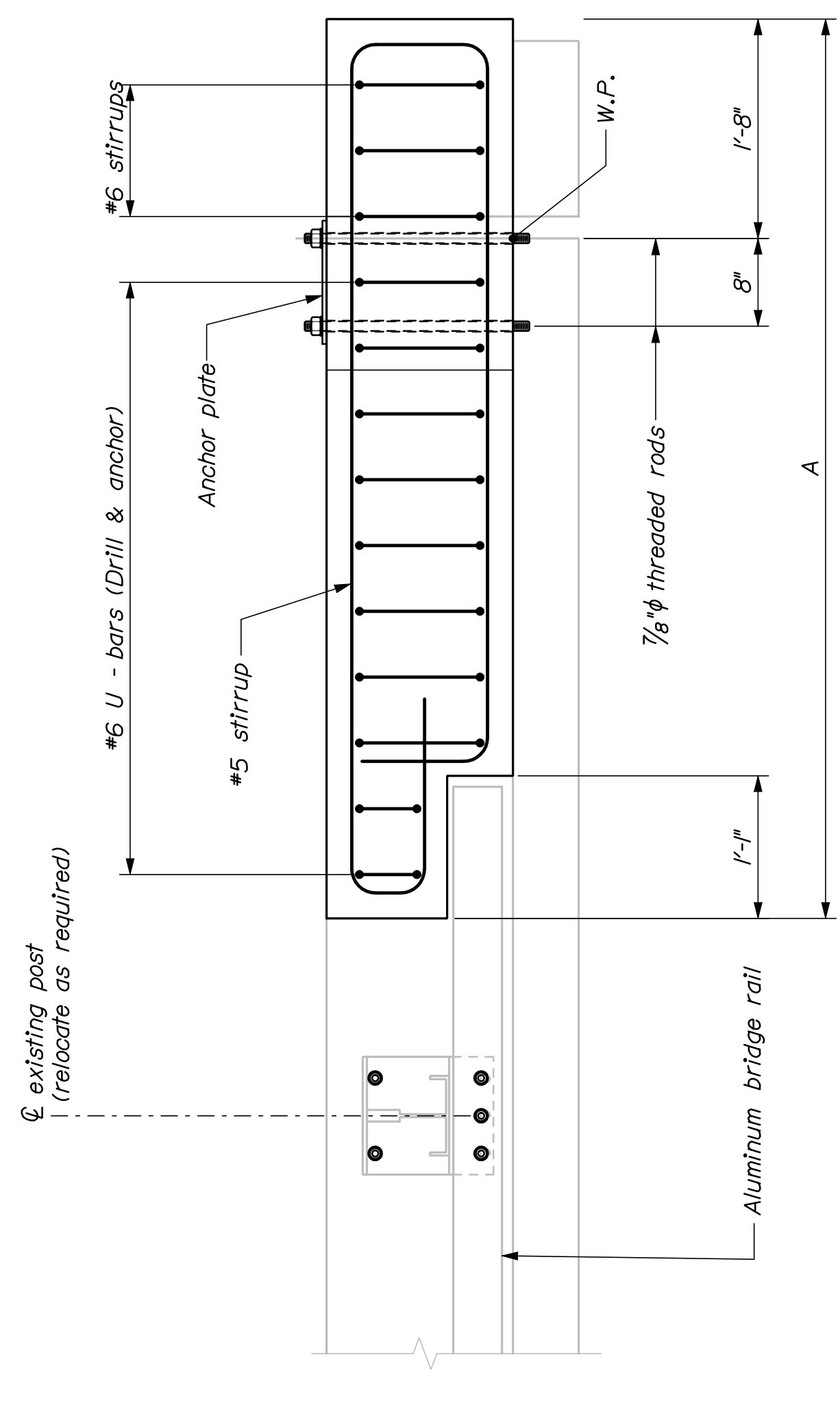


CONCRETE TRANSITION BARRIER (TYPE 3A)
Roadway elevation shown

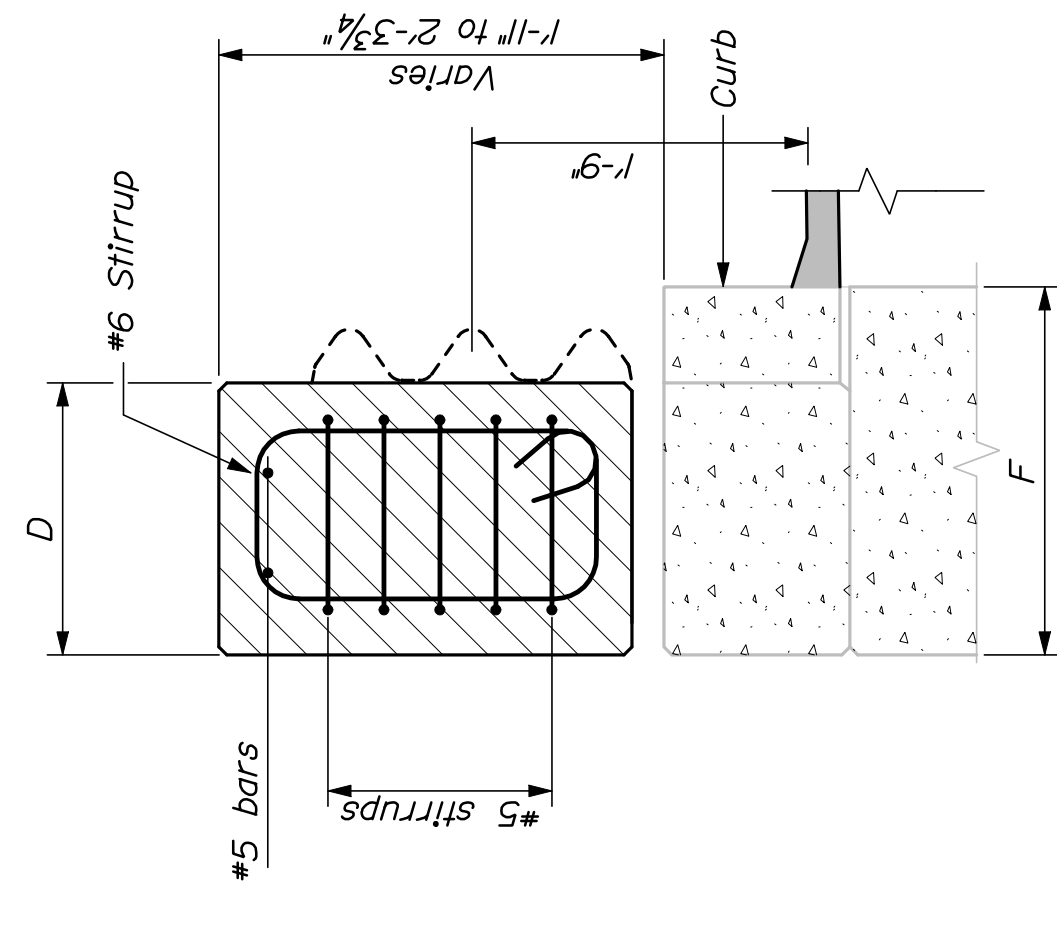


ANCHOR PLATE

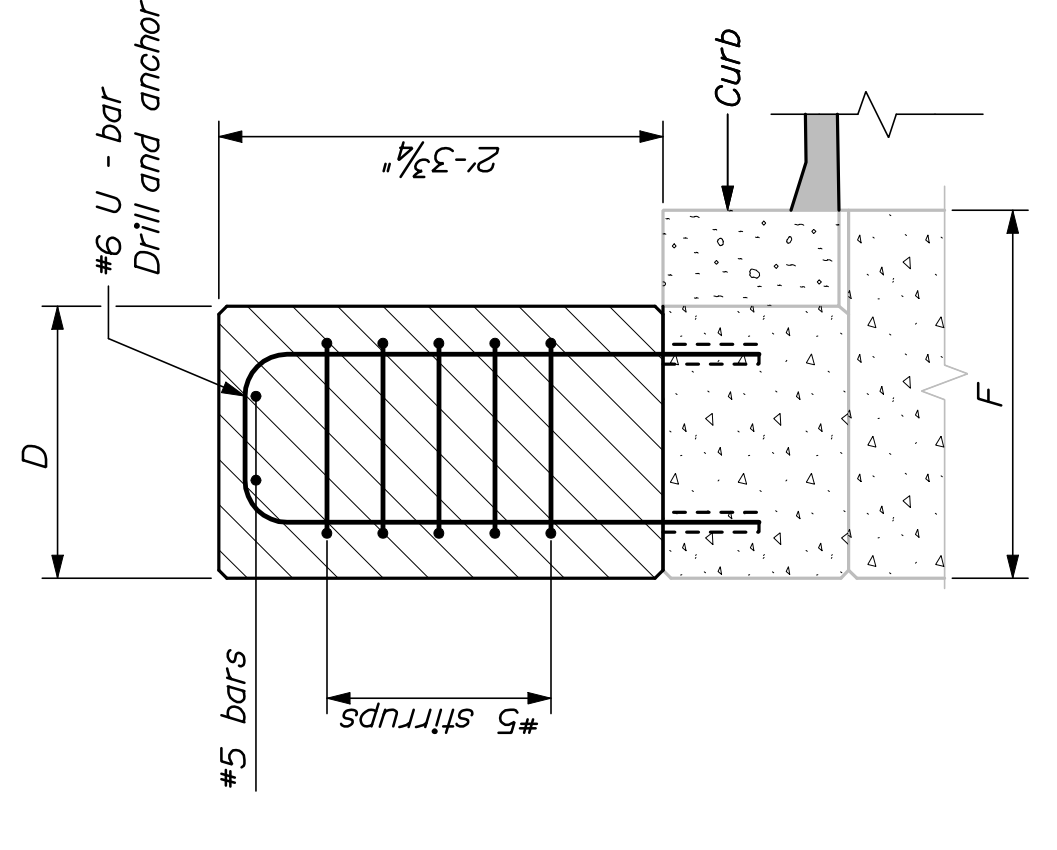
TRANSITION BARRIER ELEVATION
Roadway elevation shown



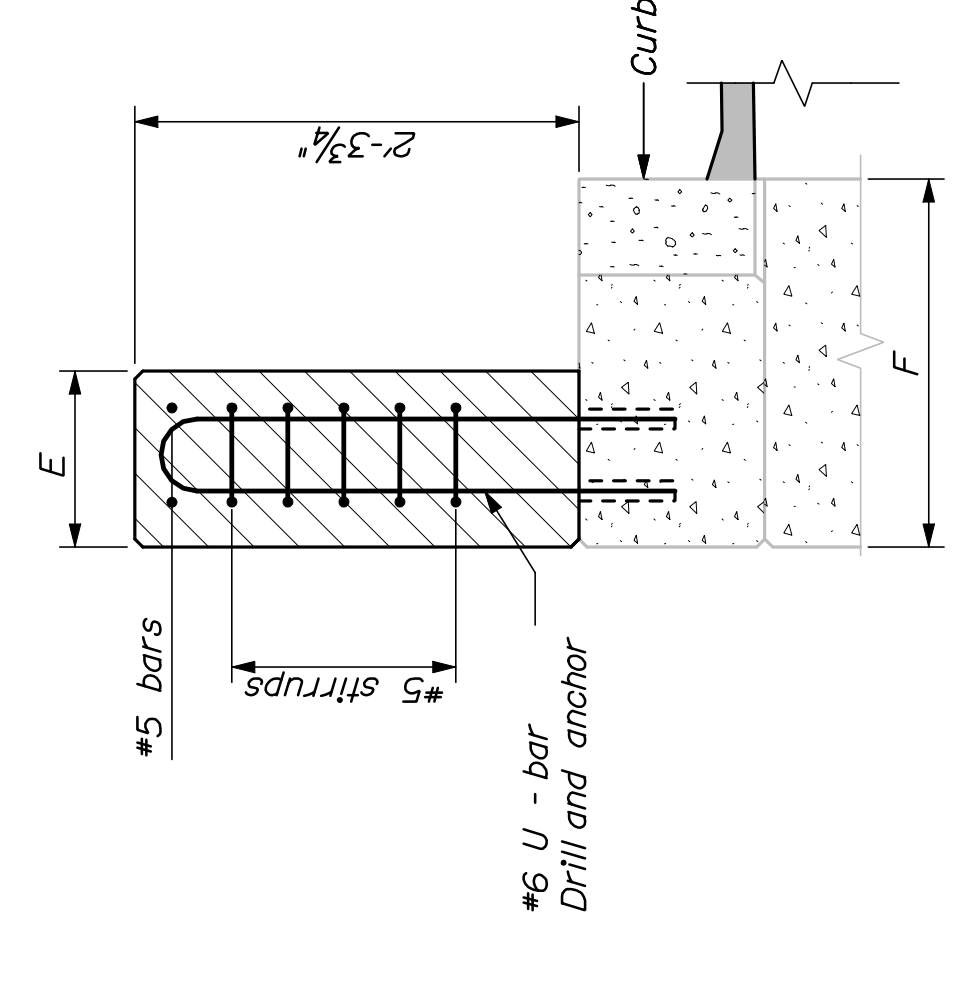
Bridge #	Bridge	Location	A	C	D	E	F
6299	Preble Street	Departure Passing Lane	6'-4"	1'-10"	1'-3 1/2"	10 1/2"	1'-9 1/2"



SECTION C-C



SECTION B-B

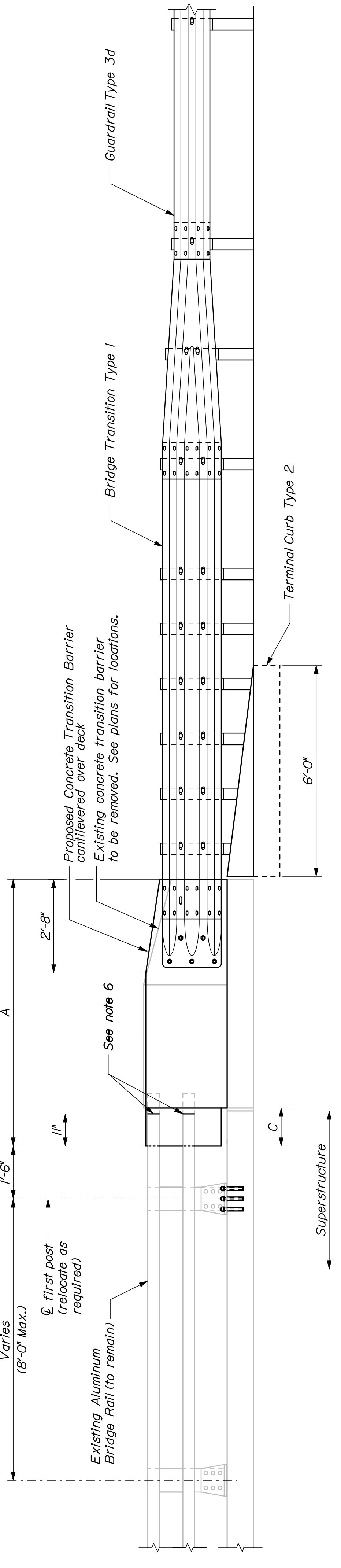


SECTION A-A

TRANSITION BARRIER PLAN

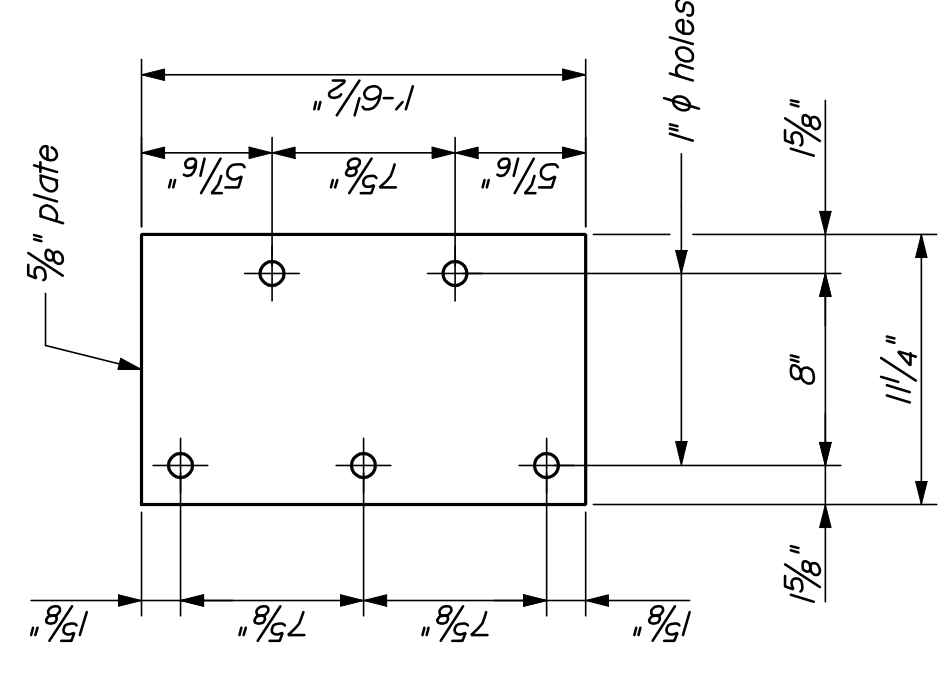
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CHECKED-REVIEWED	TRC		
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DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

- CONCRETE TRANSITION BARRIER NOTES**
- Refer to Standard Details Section 526 - Concrete Transition Barrier for details and information not shown.
 - 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.
 - Anchor plates and threaded rods shall be galvanized in accordance with the Standard Specifications and the Standard Details.
 - 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.
 - 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.
 - The contractor shall trim or install longer rail sections as directed by the resident to provide 12" of projection into the transition barrier recess.

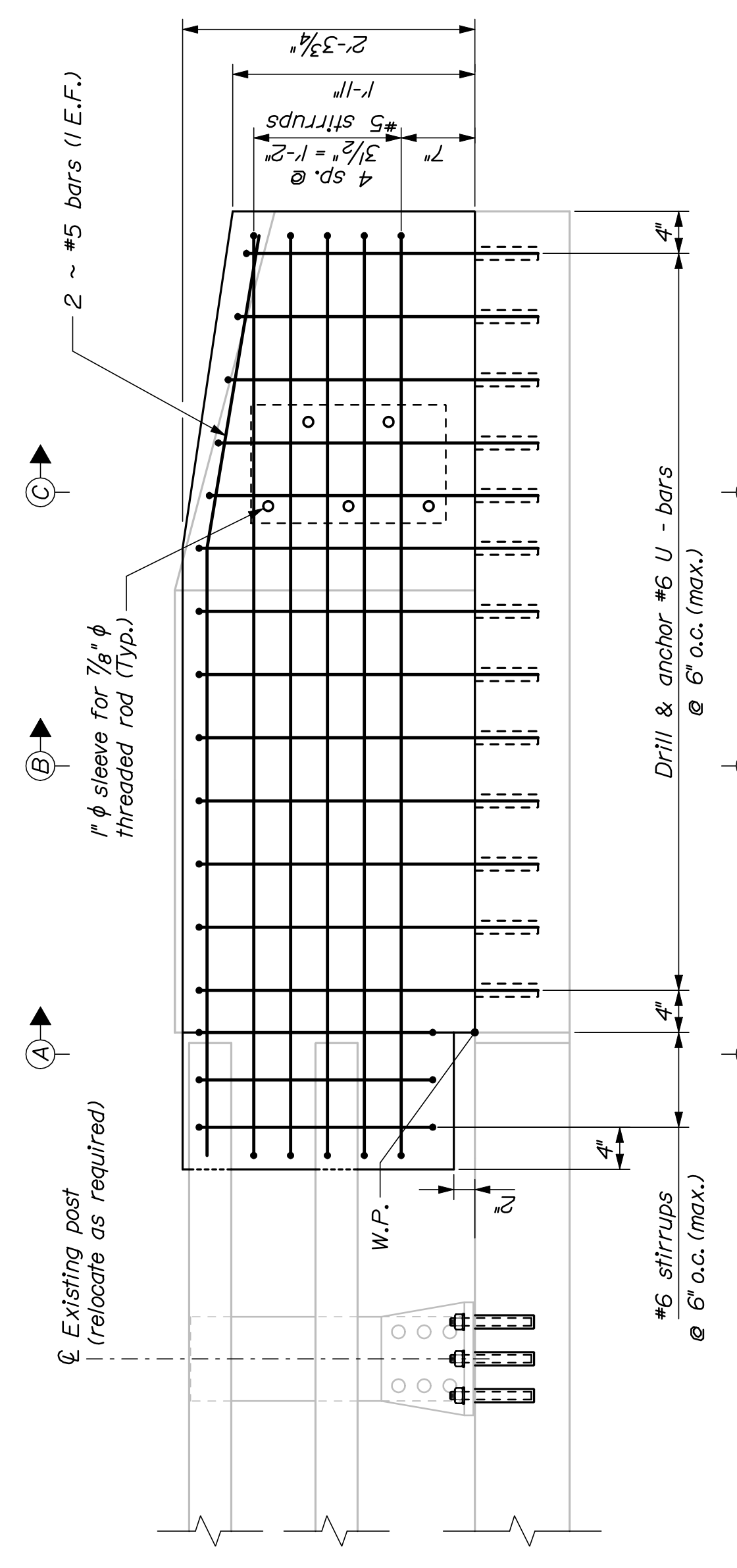


CONCRETE TRANSITION BARRIER (TYPE 4)

Roadway elevation shown

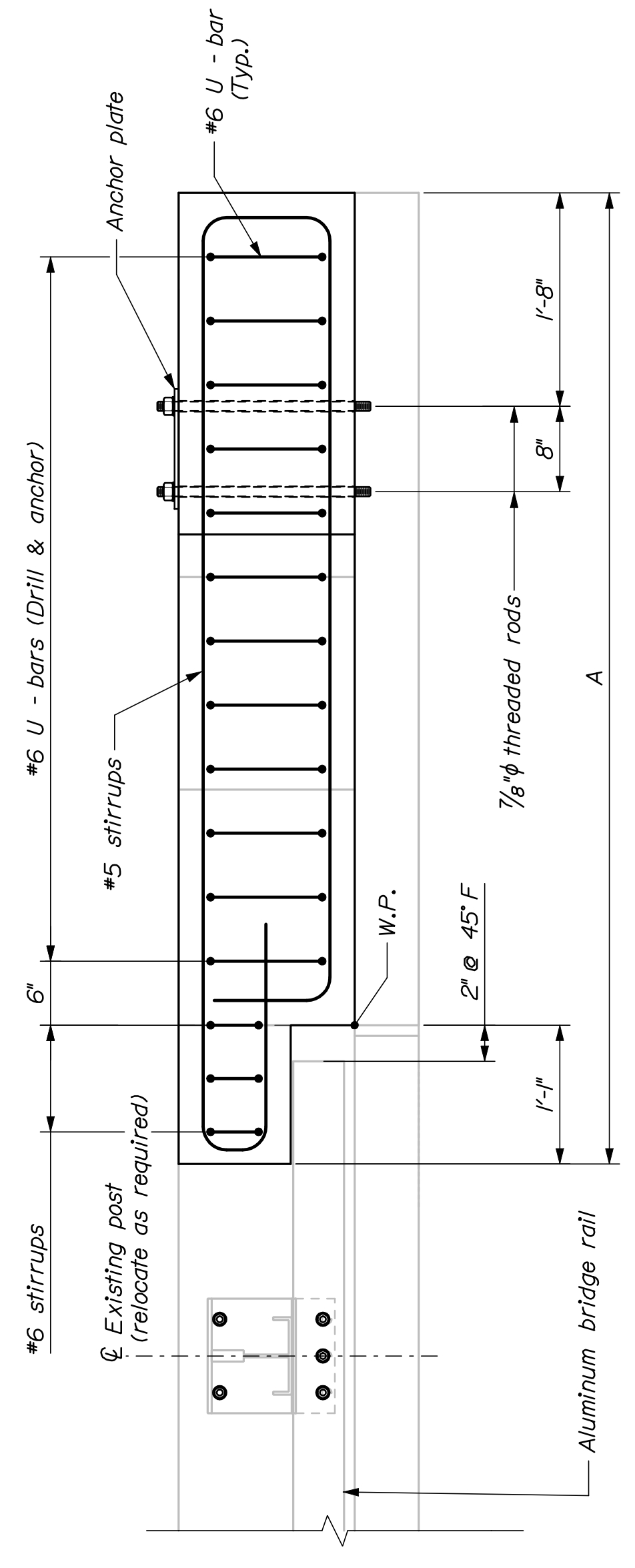


ANCHOR PLATE

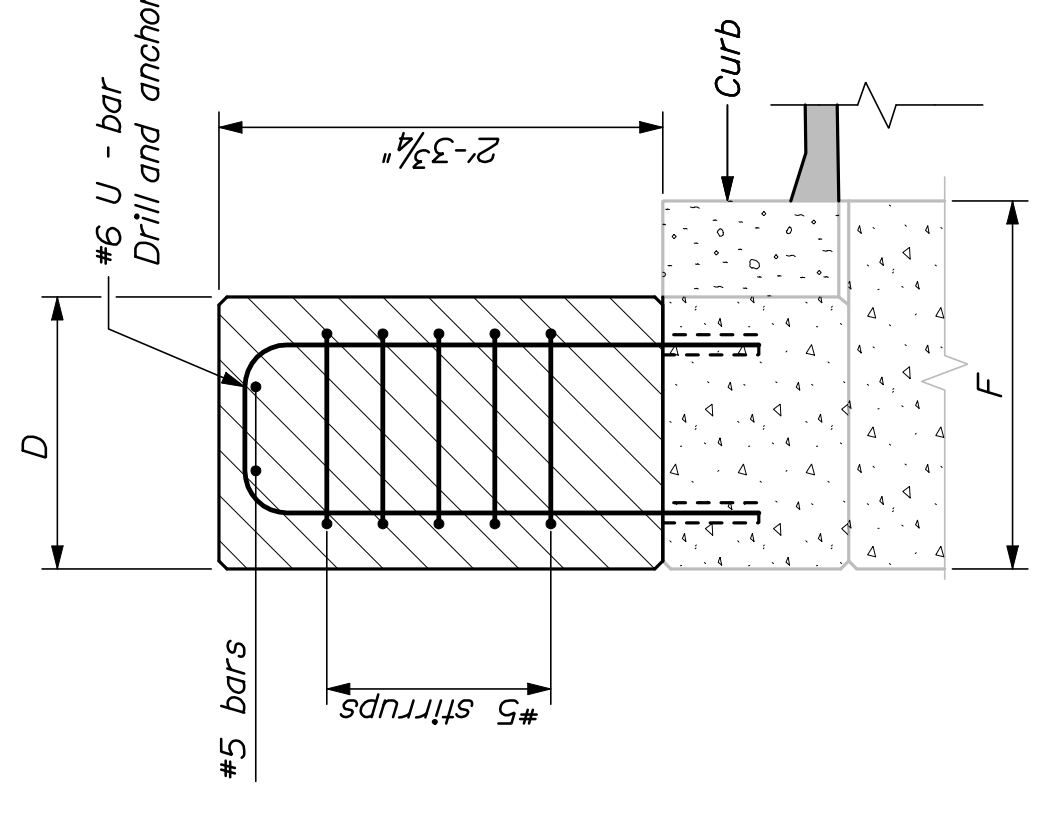


TRANSITION BARRIER ELEVATION

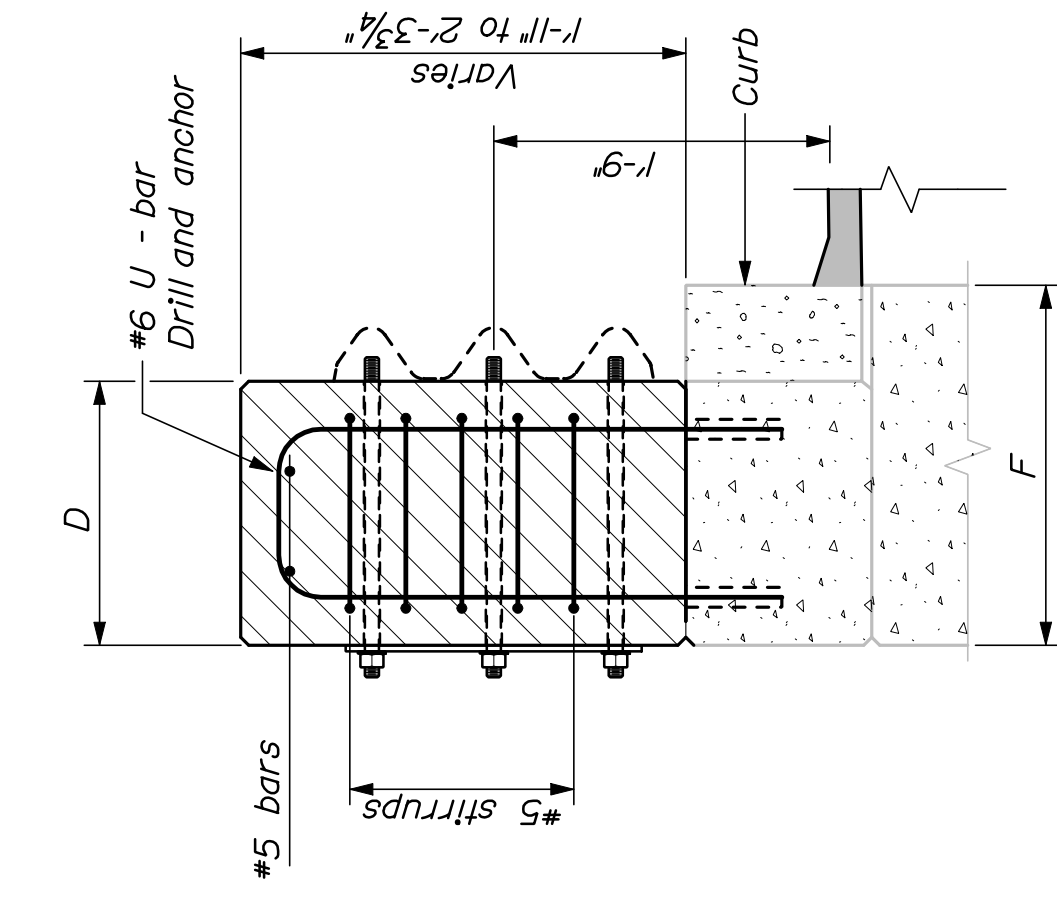
Roadway elevation shown



SECTION A-A



SECTION B-B



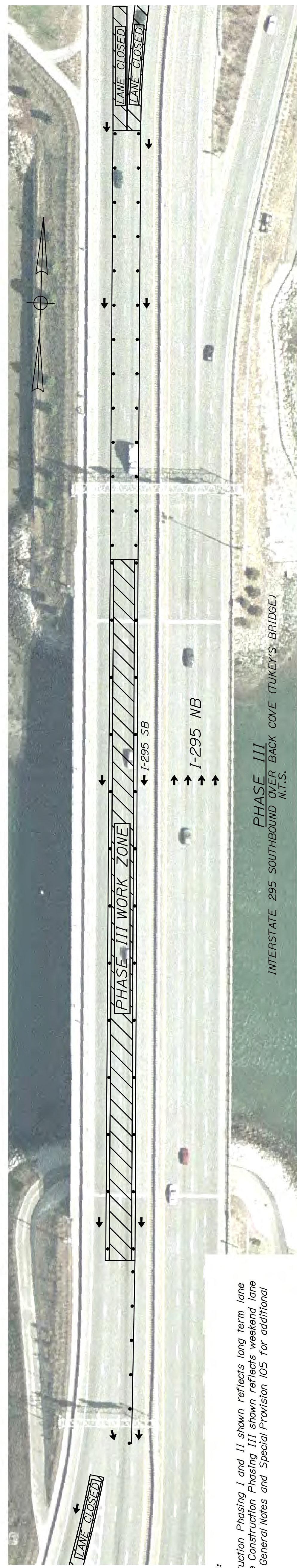
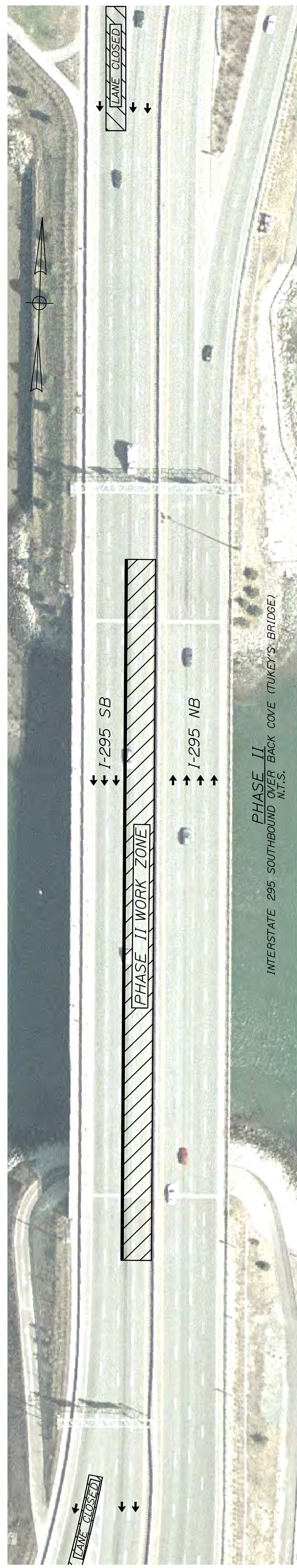
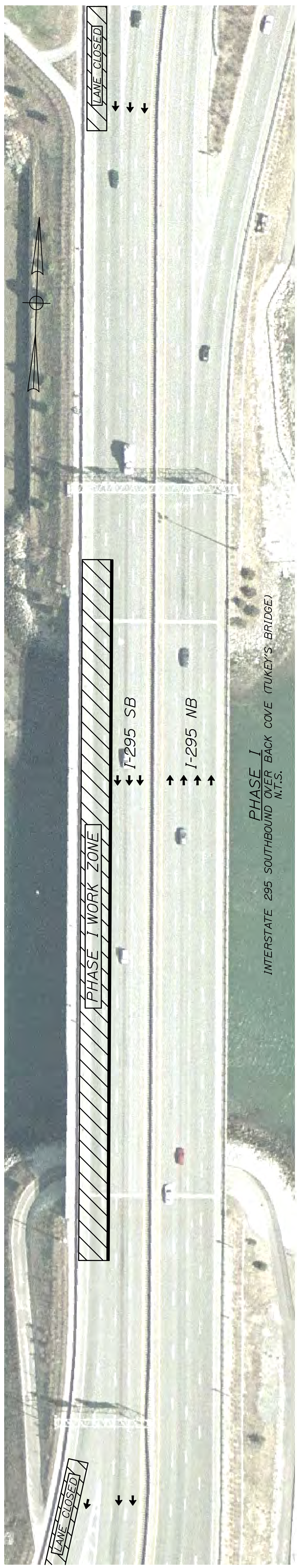
SECTION C-C

CONSTRUCTION PHASING PLAN

INTERSTATE 295 SOUTHBOUND
BACK COVE (TUKEY'S BRIDGE)
PORTLAND
CUMBERLAND COUNTY

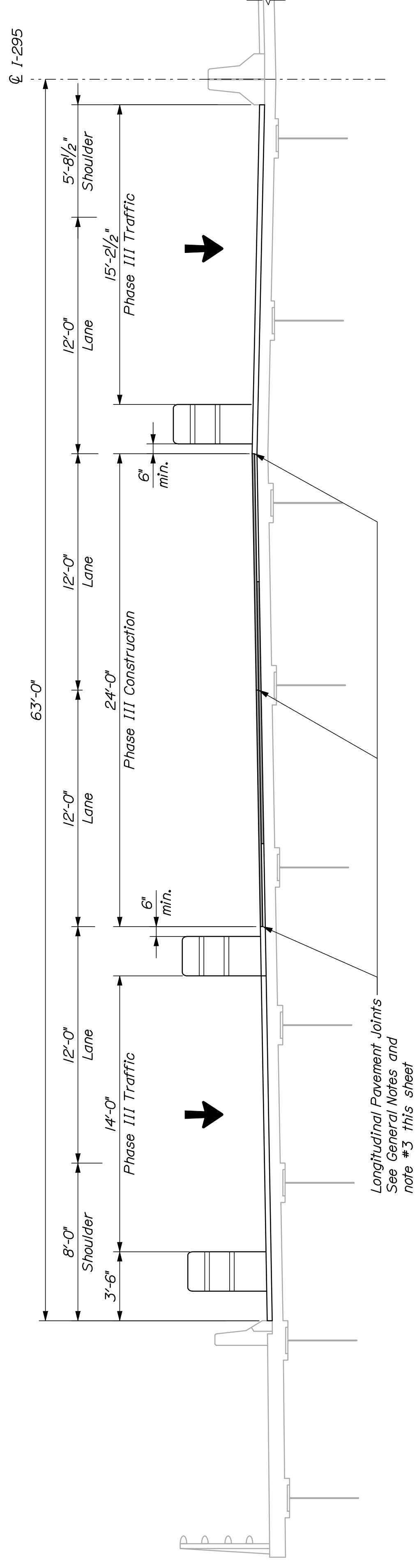
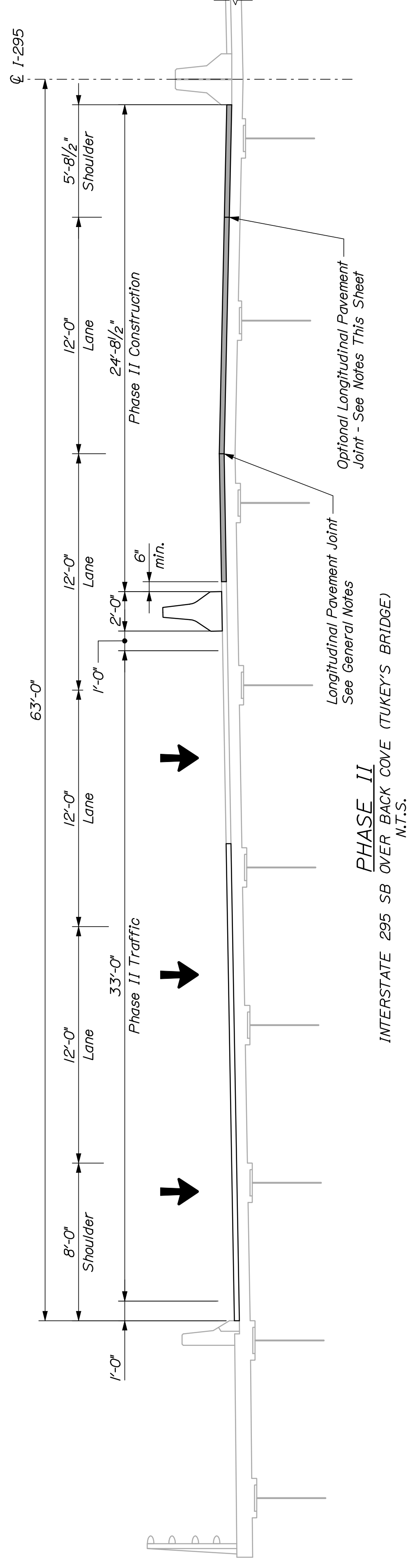
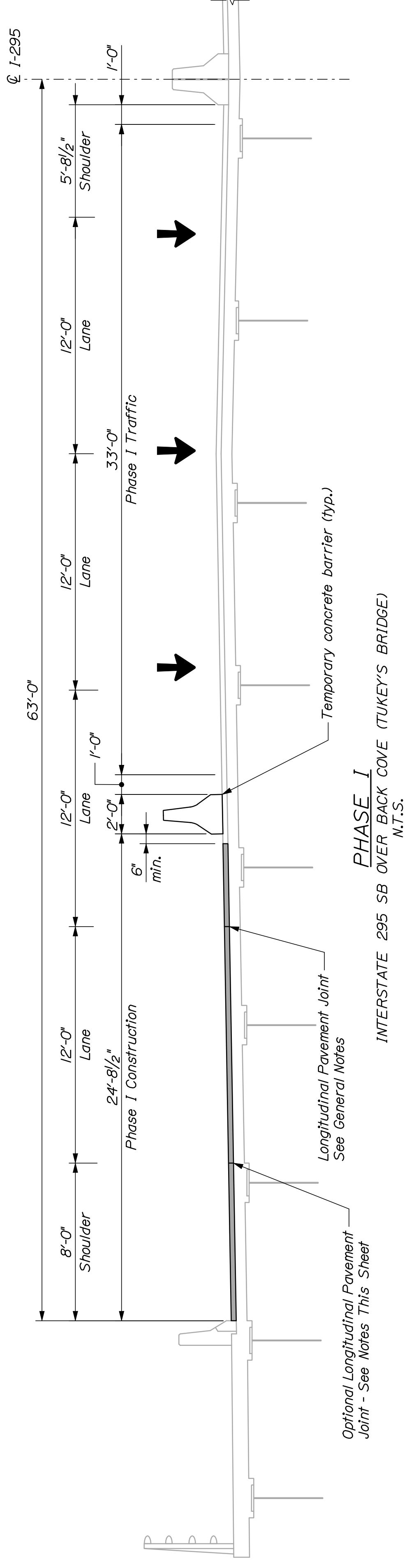
PROJ. MANAGER	DGE	BY	DATE
CHECKED-REVIEWED	CAH	RWH	04/10
DESIGN-DETAILED	DGE		
DESIGN-DETAILED			
DESIGNS-DRAWN			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE	DEPARTMENT OF TRANSPORTATION
IM-1779(300)E	PIN
17793.00	BRIDGE NO. 3088



Phasing Note:
1. The Construction Phasing I and II shown reflects long term lane closures. The Construction Phasing III shown reflects weekend lane closure. See General Notes and Special Provision 105 for additional information.

PROJ. MANAGER	DATE
DESIGN-DETAILED	04/10
CHECKED-REVIEWED	04/10
DESIGN-DETAILED	
DESIGNS-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

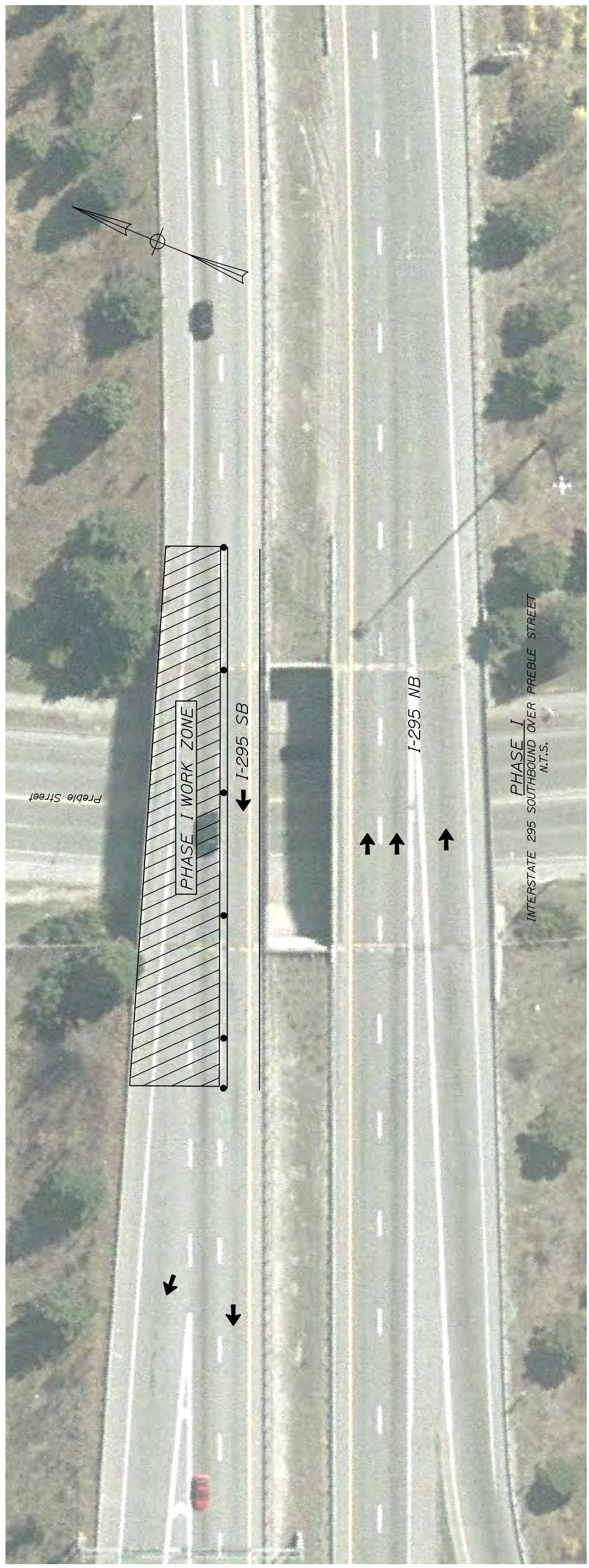


- NOTES:**
1. Sections are shown looking upstation.
 2. The optional longitudinal pavement joint is shown as a Contractor option. The pavement may be placed full width if the Contractor's equipment permits.
 3. Phase III construction includes surface pavement milling (1 1/2" depth) of portions of pavement placed during Phase I & II construction. This will result in longitudinal pavement joints matching lane lines.

INTERSTATE 295 SOUTHBOUND
PREBLE STREET
PORTLAND
CUMBERLAND COUNTY
CONSTRUCTION PHASING
PLAN

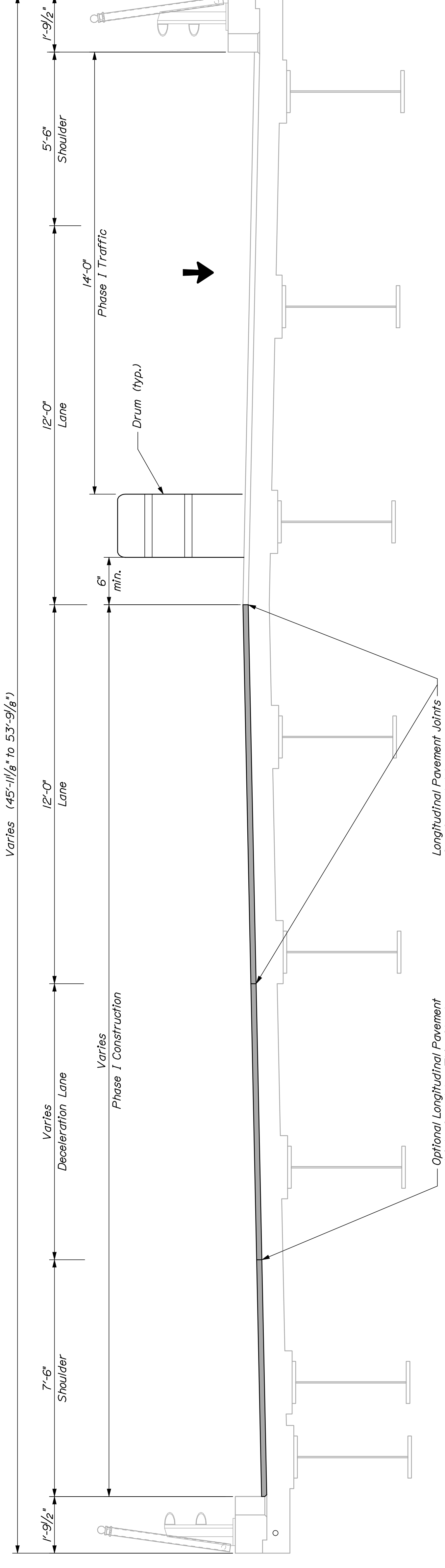
PROJ. MANAGER	DATE	DGE	BY
CAM	04/10	RWH	
DESIGN-DETAILD			
CHECKED-REVIEWED			
DESIGN-DETAILD3			
DESIGN-DETAILD2			
DESIGN-DETAILD1			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	PIN 17793.00	BRIDGE NO. 6299
IM-1779(300)E		
DATE	P.B. NUMBER	SIGNATURE

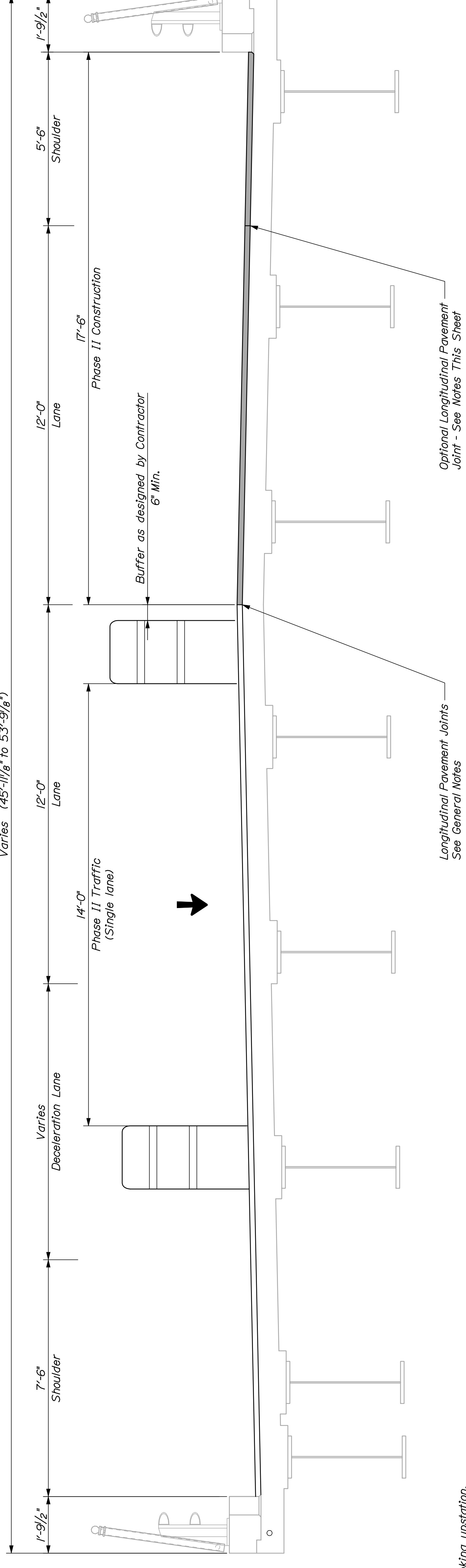


Phasing Note:
1. The construction phasing shown reflects night work only. See the General Notes for additional information.

PROJ. MANAGER	DATE
BY	DATE
DGE	04/10
RWH	
CMH	
CHEKED-REVIEWED	
DESIGN-DETAILS	
DESIGN-DETAILS	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	



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



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

- 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.