

April 21, 2016

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7550458

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2015-CB-015

FEDERAL-AID PROJECT NO. FAP Nos: BRO-0592(002)

Group 67A Tefft Hill Trail Bridge No. 592

1,250' North and South of Tefft Hill Trail

CITY/TOWN OF Exeter, Richmond

COUNTY OF WASHINGTON

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 2 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Clarification

1. Quest Lite Bid File

Because of technical issues with the Quest Lite bid file issued with Addendum No. 1, disregard that file and replace with the updated Quest Lite bid file included with this Addendum No. 2.

2. Pre-Bid Sign-In

For prospective bidders' information, a copy of the sign-in sheet for the Pre-Bid Conference held on April 12, 2016 is attached to this Addendum No. 2.

3. Timing of Dense Friction Course Installation

General Provisions - Contract Specific, Section 7, Sequence of Construction, does not require dense friction course be installed on I-95 NB prior to its re-opening after the weekend closure operations. Additionally, if the weekend I-95 NB closure is held on one of the four Fall 2017 weekends permitted by Section 7, dense friction course cannot be placed until the next operational window for placement of dense friction course permitted by the Standard Specifications, beginning June 1, 2018. Dense friction course must then be placed between June 1, 2018 and the substantial completion date of 6/29/2018. It is anticipated that the dense friction course for I-95 SB will also be installed during this timeframe.

4. Rip-Rap

All Rip-Rap shall be Class R-5.

5. Existing Pavement Makeup on I-95

Information on the makeup of the existing pavement on I-95 is not conclusive. Pavement cores at this location are not available. Pavement cores at other locations in this area of I-95 indicate that existing pavement generally consists of an 8" to 12" thick concrete base slab overlaid by 6" to 7" of flexible pavement. The limits for removal of the concrete rigid base (DPB) are indicated by Item 201.0407; however, the quantity for this item has been revised as part of this Addendum No. 2 to deduct the area of the bridge approach slabs, which are being removed under Item 803.9902. It should be noted that the DPB call-outs on Sheet 16 (General Plan No. 3) conservatively assume that the concrete rigid base extends over the entire roadway width; however, it may only be present within the travel lanes. Concrete rigid base may not be present in the shoulders.

B. Distribution of Quantities

1. Pages Index 1 thru 3

Insert the revised Pages Index 1 (R-1) thru 3 (R-1) attached to this Addendum No. 2.

2. Pages 2 thru 3

Insert the revised Pages 2 (R-1) thru 3 (R-1) attached to this Addendum No. 2. The only items revised on these pages are as follows:

- Item No. 004, Item Code 201.0407 Remove and Dispose Pavement and Rigid Base
- Item No. 005, Item Code 201.0409 Remove and Dispose Flexible Pavement
- Item No. 007, Item Code 201.0414 Remove and Dispose Pipe - All Sizes

3. Pages 7 thru 12

Insert the revised Pages 7 (R-1) thru 12 (R-1) attached to this Addendum No. 2. The only items revised on these pages are as follows:

- Item No. 016, Item Code 202.0100 Earth Excavation
- Item No. 018, Item Code 203.0100 Structural Excavation Earth
- Item No. 022, Item Code 204.0100 Trimming and Fine Grading
- Item No. 028, Item Code 302.0100 Gravel Borrow Subbase Course
- Item No. 029, Item Code 401.1210 Class 19.0 HMA with WMA and Pay Adjustments
- Item No. 030, Item Code 401.3210 Class 9.5 HMA with WMA and Pay Adjustments
- Item No. 031, Item Code 402.0871 Dense Friction Course with Material Transfer Vehicle
- Item No. 032, Item Code 403.0300 Asphalt Emulsion Tack Coat

4. Page 24

Insert the revised Page 24 (R-1) attached to this Addendum No. 2. The only item revised on this page is as follows:

- Item No. 067, Item Code 916.0650 Remove, Relocate and Reset Shock Absorbing Barrier Modules

5. Page 45

Insert the revised Page 45 (R-1) attached to this Addendum No. 2. The only revision on this page is the added item below:

- Item No. 116, Item Code 402.0870 Dense Friction Course

C. Other Item Changes

1. 201.0407 - REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
Quantity Updated To "460.00".
2. 201.0409 - REMOVE AND DISPOSE FLEXIBLE PAVEMENT
Quantity Updated To "2100.00".
3. 201.0414 - REMOVE AND DISPOSE PIPE - ALL SIZES
Quantity Updated To "558.00".
4. 202.0100 - EARTH EXCAVATION
Quantity Updated To "3113.00".
5. 203.0100 - STRUCTURAL EXCAVATION EARTH
Quantity Updated To "2720.00".
6. 204.0100 - TRIMMING AND FINE GRADING
Quantity Updated To "31470.00".
7. 302.0100 - GRAVEL BORROW SUBBASE COURSE
Quantity Updated To "1448.00".
8. 401.1210 - CLASS 19.0 HMA WITH WMA AND PAY ADJUSTMENTS
Quantity Updated To "1890.00".
9. 401.3210 - CLASS 9.5 HMA WITH WMA AND PAY ADJUSTMENTS
Quantity Updated To "840.00".
10. 402.0870 - DENSE FRICTION COURSE
Quest Item added.Quantity Updated To "60.00".
11. 402.0871 - DENSE FRICTION COURSE WITH MATERIAL TRANSFER VEHICLE
Quantity Updated To "1810.00".
12. 403.0300 ASPHALT EMULSION TACK COAT
Quantity Updated To "23060.00".

13. 916.0650 - REMOVE, RELOCATE AND RESET SHOCK ABSORBING BARRIER MODULES
Quantity Updated To "3.00".

D. Contract Documents

1. Specifications - Contract Specific

a. Page CS-i

Delete Page CS-i in its entirety and insert the revised Page CS-i (R-1) attached to this Addendum No. 2.

b. Page CS-4

Delete Page CS-4 in its entirety and insert the revised Page CS-4 (R-1) attached to this Addendum No. 2. Section 5 has been revised on this page.

c. Page CS-5

Delete Page CS-5 in its entirety and insert the revised Page CS-5 (R-1) attached to this Addendum No. 2. Section 7 has been revised on this page.

d. Page CS-9

Delete Page CS-9 in its entirety and insert the revised Page CS-9 (R-1) attached to this Addendum No. 2. Section 9 has been revised on this page.

2. Specifications - Job Specific

a. Page JS-i

Delete Page JS-i in its entirety and insert the revised Page JS-i (R-1) attached to this Addendum No. 2.

b. Page JS-0

Insert Page JS-0 attached to this Addendum No. 2.

c. Page JS-6

Delete Page JS-6 in its entirety and insert the revised Pages JS-6 (R-1) thru JS-6b (R-1) attached to this Addendum No. 2.

d. Pages JS-18 thru JS-19

Delete Pages JS-18 thru JS-19 in their entirety and insert the revised Pages JS-18 (R-1) thru JS-19 (R-1) attached to this Addendum No. 2.

3. Federal Wage Rates

Updated Federal Wage Rates as of 04/01/2016

E. Drawings/Plans - Change/Addition

1. Sheet 6 - Job Specific Plan Symbols, Legend & Notes

Delete Sheet 6 in its entirety and insert the revised Sheet 6 (R-1) attached to this Addendum No. 2.

2. Sheet 16 - General Plan No. 3

Delete Sheet 16 in its entirety and insert the revised Sheet 16 (R-1) attached to this Addendum No. 2.

3. Appendix 1

Add CO_6678_br_592_B25 thru CO_6678_br_592_B46 and CO_6582_H41 thru CO_6582_H43 attached to this Addendum No. 2.



RI Department of Transportation
Chief Engineer



State of Rhode Island
Division of Purchases
One Capitol Hill
Providence, RI 02908

"NON-MANDATORY" PRE BID CONFERENCE SIGN IN SHEET

BID NUMBER:	7550458
BID TITLE:	2015-CB-015 Group 67A Teft Hill Trail Bridge No. 592
PRE BID DATE & TIME:	Tuesday April 12 @ 9am

PLEASE PRINT

COMPANY NAME	COMPANY REPRESENTATIVE	ADDRESS	CONTACT E-MAIL	CONTACT PHONE NUMBER
RIDOT	NATHAN SHAPIRO	2 Capitol Hill Peov.	NATHAN.SHAPIRO@RIDOT.RI.GOV	222-3260 X4410
Caesi Corp	Anthony Mesini	400 Lincoln Ave. Greenwich	AMESIN@CAESI.COM	739-6700 ext 130
BETA GROUP	Danen Hayward.	6 Blackstone Valley Pl. LINCOLN, RI.	dhayward@beta-inc.com	(401) 353-2362
BETA GROUP	Chris Jones	315 Norwood Park South Norwood MA	CJONES@BETA-INC.COM	781-255-1982
RIDOT	Tom Bushell	Two Capitol Hill	thoms.bushell@dot.rigov	x 4209
Contech Engineered Solutions	Tom Honanney	41 Fenwick St. Palmer, MA 01069	THEHANNESY@CONTECHES.COM	774-402-0312
J. H. Lynch	Ed LoFredo	50 Lynch Place Sunderland RI 800-875-2500	ELOFFREDO@JHLYNCH.COM	401-333-41300
D'Ambra	Bob Lawton	234 E. 1st St Providence	TLAWTON@DAMBR.COM	737-2300
Denco, LLC	Dorothy Silva	508 Leighton Ave Providence	Dsilva508@Denco.com	578-2558
AGTNA BRIDGE	DAN KEULEY	100 JEFFERSON BLVD WARRICK, RI	DKEULEY@AGTNABRIDGE.COM	401-728-0400
John Rocchio Corp	Michael Rocchio	20 Lark Industrial Park Smithfield, RI 02828	MROCCIO@JOHNROCCIOCORP.COM	401-949-5565
RIDOT	David Cluley	2 Capitol Hill, Prov.	david.cluley@dot.rigov	222-2053 x4073
IDS Highway Safety	ROBERT RAY	136 BOTT DR Lumb	IDS.HIGHWAYSAFETY@IDS.COM	744-4451

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Project Name - Group 67A Tefft Hill Trail Bridge No. 592

Estimate Name - Addendum No. 2

R.I. Contract No. - 2015-CB-015

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ItemCode	Description	Page
201.0301	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"- 24")	1
201.0321	CLEARING AND GRUBBING	1
201.0401	REMOVE AND DISPOSE GRANITE CURB	2
201.0407	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	2
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	2
201.0410	REMOVE AND DISPOSE CATCH BASINS	3
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	3
201.0415	REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES	3
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	4
201.0432	REMOVE AND DISPOSE HEADWALL	4
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	4
201.9901	REMOVE AND DISPOSE PAVED WATERWAY	5
201.9902	REMOVE AND DISPOSE RUMBLE STRIP	5
201.9903	REMOVE AND DISPOSE BITUMINOUS BERM	6
201.9904	REMOVE AND DISPOSE RECESSED REFLECTORIZED PAVEMENT MARKER	7
202.0100	EARTH EXCAVATION	7
202.0700	COMMON BORROW	7
203.0100	STRUCTURAL EXCAVATION EARTH	8
203.0210	STRUCTURAL EXCAVATION ROCK	8
203.0650	CRUSHED STONE FILL UNDER STRUCTURES	8
203.0700	PERVIOUS FILL	8
204.0100	TRIMMING AND FINE GRADING	8
205.0270	TRENCH ROCK EXCAVATION-MECHANICAL (0-7')	9
206.0301	COMPOST FILTER SOCK	9
209.9901	INLET SEDIMENT CONTROL DEVICE	9
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	10
213.0100	PLACEMENT OF MILLINGS BENEATH GUARDRAIL	10
302.0100	GRAVEL BORROW SUBBASE COURSE	10
401.1210	CLASS 19.0 HMA WITH WMA AND PAY ADJUSTMENTS	11
401.3210	CLASS 9.5 HMA WITH WMA AND PAY ADJUSTMENTS	11
402.0871	DENSE FRICTION COURSE WITH MATERIAL TRANSFER VEHICLE	11
403.0300	ASPHALT EMULSION TACK COAT	12
601.0300	CLASS A PORTLAND CEMENT CONCRETE	12
701.0512	REINFORCED CONCRETE PIPE M 170 CLASS IV 12 INCH	12
701.0518	REINFORCED CONCRETE PIPE M 170 CLASS IV 18 INCH	13
702.0517	FRAME AND GRATE, STANDARD 6.3.2	13
702.0522	FRAME AND COVER STANDARD 6.2.1	13
702.0605	PRECAST CATCH BASIN 4' DIAMETER STANDARD 4.4.0	13
702.0630	PRECAST MANHOLE 4' DIAMETER STANDARD 4.2.0	14
703.9901	8" PERFORATED POLYVINYL CHLORIDE PIPE M278 UNDERDRAIN, STANDARD 1.1.0 MODIFIED	14
704.0100	RECONSTRUCT CATCH BASIN/CORBEL CONES	14
707.1200	ADJUST CATCH BASIN TO MANHOLE	15
707.1900	ADJUST FRAME & COVER TO GRADE	15
707.2000	ADJUST FRAME AND GRATE TO GRADE	15
707.9901	PLATE AND COVER CATCH BASIN	15
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	16
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	16
709.0200	CONCRETE HEADWALLS FOR PIPE CULVERTS STANDARD 2.1.0	17
711.0110	3'' PAVED WATERWAY CLASS I-1 STANDARD 8.4.0	17
800.9901	TEFFT HILL TRAIL BRIDGE NO. 592	18
803.9901	REMOVE AND DISPOSE EXISTING SUPERSTRUCTURE	18
803.9902	REMOVE AND DISPOSE EXISTING SUPERSTRUCTURE	19
805.9901	TEMPORARY EARTH RETAINING SYSTEMS	19
901.0101	GUARDRAIL STEEL BEAM SINGLE FACE EARTH AND ASPHALT	19

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ItemCode	Description	Page
901.0151	TERMINAL END SECTION SINGLE FACE STANDARD 34.3.2	19
901.0191	GUARDRAIL STEEL BEAM ANCHORAGE TRAILING END SECTION STANDARD 34.3.4	20
901.0198	GUARDRAIL END TREATMENT, NON-ENERGY ABSORBING TERMINAL	20
901.0199	GUARDRAIL END TREATMENT, ENERGY ABSORBING TERMINAL	20
901.0901	REMOVE AND RESET GUARDRAIL ALL TYPES	20
906.0602	BITUMINOUS BERM STANDARD 7.5.1	20
906.0700	REMOVE, HANDLE, HAUL TRIM RESET CURB EDGING, STRAIGHT, CIRCULAR ALL TYPES	22
906.9901	CONCRETE CURB CHECK DAM	22
907.0200	CALCIUM CHLORIDE FOR DUST CONTROL (PROJECT WIDE)	23
910.9901	RUMBLE STRIP	23
914.5010	FLAGPERSONS	23
914.5020	FLAGPERSONS - OVERTIME	23
916.0650	REMOVE, RELOCATE AND RESET SHOCK ABSORBING BARRIER MODULES	24
916.9901	SHOCK ABSORBING BARRIER MODULES WITH REFLECTIVE TYPE 3 OBJECT MARKER	24
919.0101	TEST PITS	24
920.0055	PLACED STONE RIPRAP R-3, R-4, R-5 STANDARD 8.3.0	24
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	25
923.0105	DRUM BARRICADE STANDARD 26.2.0	26
923.0120	PLASTIC PIPE BARRICADE STANDARD 26.3.0	26
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	27
924.0113	ADVANCE WARNING ARROW PANEL	27
925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	27
926.0120	ANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL	27
926.0121	UNANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0	28
926.9901	LINEAR DELINEATION SYSTEM PANELS	29
928.9901	TRUCK MOUNTED ATTENUATOR (TMA) WITH TRUCK MOUNTED FLASHING ARROW BOARD (TMFAB)	29
929.0110	FIELD OFFICE	29
932.0100	CUTTING AND MATCHING ASPHALT	29
932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	30
932.0210	FULL DEPTH SAWCUT OF BITUMINOUS PAVEMENT AND RIGID BASE	30
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	31
936.0110	MOBILIZATION	31
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	32
943.0200	TRAINEE MAN-HOURS	32
L01.0104	PLANTABLE SOIL 4 INCHES DEEP	32
L01.9901	PLANTABLE SOIL 6 INCHES DEEP	32
L01.9902	DRY SWALE MULCH	32
L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	33
L02.0103	TEMPORARY SEEDING (TYPE 3)	33
L02.9901	DRY SWALE SEED MIX A	33
L02.9902	DRY SWALE SEED MIX B	33
L05.0505	EROSION CONTROL BLANKET	33
L05.0506	JUTE MESH	34
T04.6906	'6' STRANDED COPPER CONDUCTOR 600V INSULATION	34
T04.6908	'8' STRANDED COPPER CONDUCTOR 600V INSULATION	34
T04.7500	SPLICE KIT	34
T08.9901	TEFFT HILL TRAIL BRIDGE NO. 592 LIGHTING SYSTEM	34
T15.0200	REMOVE AND RELOCATE DIRECTIONAL REGULATORY AND WARNING SIGN	35
T18.9901	GUARDRAIL END TREATMENT DELINEATOR	35

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T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	35
T20.0012	12 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	36
T20.0106	6 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	36
T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	37
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	39
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	40
T20.2016	6 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	41
T20.2206	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS WHITE	41
T20.2212	12 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS WHITE	43
T20.2304	4 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	44
T20.2306	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	44
T20.9901	RECESSED REFLECTORIZED PAVEMENT MARKER	45
402.0870	DENSE FRICTION COURSE	45

Distribution of Quantities

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
002	201.0321 Cont.	MEDIAN - STA 113+79		20.00	0011	02
		MEDIAN - STA 114+18		12.00	0011	02
		MEDIAN - STA 115+85		29.00	0011	02
		GENERAL PLAN NO. 5 - TEMPORARY WIDENING				
		MEDIAN - STA 118+48		32.00	0011	02
Item 201.0321 Total:				1,981.00		
003	201.0401	REMOVE AND DISPOSE GRANITE CURB	LF			
		GENERAL PLAN NO. 3 - TEMPORARY WIDENING				
		TEFFT HILL TRAIL - STA 0+54		270.00	0011	02
		15' L TO STA 3+20 18' L				
		TEFFT HILL TRAIL - STA 0+55		270.00	0011	02
		15' R TO STA 3+20 18' L				
Item 201.0401 Total:				540.00		
004	201.0407	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	SY			
		GENERAL PLAN NO. 3				
		NB - STA 107+30 TO STA 107+55		120.00	0011	02
		NB - STA 108+45 TO STA 108+70		120.00	0011	02
		SB - STA 107+30 TO STA 107+55		110.00	0011	02
		SB - STA 108+45 TO STA 108+70		110.00	0011	02
Item 201.0407 Total:				460.00		
005	201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	SY			
		GENERAL PLAN NO. 1 THRU 5				
		SB - STA 108+70 16' R TO STA 120+32 17.5' R		260.00	0011	02
		SB - STA 95+68 21' R TO STA 107+30 16' R		310.00	0011	02

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<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
014	201.9903 Cont.	STA 87+68 34' L TO STA 89+28		170.00	0011	02
		50.3' L				
		STA 89+31 32.3' L TO STA		1,180.00	0011	02
		100+30 29.8' L				
Item 201.9903 Total:				8,250.00		
015	201.9904	REMOVE AND DISPOSE RECESSED	EACH			
		REFLECTORIZED PAVEMENT MARKER				
		I-95 NB				
		STA 107+30 L/R TO STA 108+70		2.00	0011	02
		L/R				
		STA 107+30 R TO STA 108+70 R		2.00	0011	02
		I-95 SB				
		STA 87+68 L/R TO STA 128+72		52.00	0011	02
		L/R				
Item 201.9904 Total:				56.00		
016	202.0100	EARTH EXCAVATION	CY			
		CONTINGENCY				
		10%		290.00	0011	02
		I-95 NB AND SB				
		I-95 NB AND SB		2,793.00	0011	02
		ROUTE 3 DETOUR				
		TCP NO. 12 ISLAND REMOVAL		30.00	0011	02
Item 202.0100 Total:				3,113.00		
017	202.0700	COMMON BORROW	CY			
		CONTINGENCY				
		10%		223.00	0011	02
		I-95 NB				
		STA 107+30 TO STA 107+50 AND		100.00	0011	02
		STA 108+50 TO STA 108+70				
		I-95 SB				

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<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
017	202.0700 Cont.	EMBANKMENT		1,950.00	0011	02
		STA 107+00 TO STA 107+30		70.00	0011	02
		STA 108+70 TO STA 109+00		50.00	0011	02
		ROUTE 3 DETOUR				
		TCP NO. 12 ISLAND REMOVAL		10.00	0011	02
		TEFFT HILL TRAIL				
		STA 3+35 TO 3+95		50.00	0011	02
Item 202.0700 Total:				2,453.00		
018	203.0100	STRUCTURAL EXCAVATION EARTH	CY			
		BRIDGE 592				
		BRIDGE 592		2,720.00	0011	02
Item 203.0100 Total:				2,720.00		
019	203.0210	STRUCTURAL EXCAVATION ROCK	CY			
		BRIDGE 592				
		BRIDGE 592		1,300.00	0011	02
Item 203.0210 Total:				1,300.00		
020	203.0650	CRUSHED STONE FILL UNDER STRUCTURES	CY			
		BRIDGE 592				
		BRIDGE 592		280.00	0011	02
Item 203.0650 Total:				280.00		
021	203.0700	PERVIOUS FILL	CY			
		BRIDGE 592				
		BRIDGE 592		7,700.00	0011	02
Item 203.0700 Total:				7,700.00		
022	204.0100	TRIMMING AND FINE GRADING	SY			
		CONTINGENCY				
		5%		1,450.00	0011	02
		GRAVEL BORROW SUB-BASE				

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<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
022	204.0100	Cont.				
		ITEM 302.0100		4,690.00	0011	02
		I-95 NB				
		I-95 NB		1,640.00	0011	02
		I-95 SB				
		I-95 SB		4,080.00	0011	02
		MEDIAN				
		MEDIAN		18,550.00	0011	02
		PLANTABLE SOIL 6" DEEP				
		ITEM L01.9901		1,060.00	0011	02
Item 204.0100 Total:				31,470.00		
023	205.0270	TRENCH ROCK EXCAVATION-MECHANICAL (0-7')	CY			
		CONTINGENCY				
		TEFFT HILL TRAIL DRAIN LINE		25.00	0011	02
Item 205.0270 Total:				25.00		
024	206.0301	COMPOST FILTER SOCK	LF			
		I-95 NB				
		STA 107+06 R TO STA 107+42 R		80.00	0011	02
		I-95 SB				
		STA 106+75 L TO STA 108+99 L		410.00	0011	02
		STA 119+47 R TO STA 120+46 R		190.00	0011	02
		STA 95+65 R TO STA 99+31 R		390.00	0011	02
Item 206.0301 Total:				1,070.00		
025	209.9901	INLET SEDIMENT CONTROL DEVICE	EACH			
		GENERAL PLAN NO. 1 - TEMPORAY WIDENING				
		SB - STA 100+16 55.9' R		1.00	0011	02
		SB - STA 99+45 52.3' R		1.00	0011	02
		GENERAL PLAN NO. 2 - TEMPORARY WIDENING				

Distribution of Quantities

Project Name - Group 67A Tefft Hill Trail Bridge No. 592

Estimate Name - Addendum No. 2

R.I. Contract No. - 2015-CB-015

FAP Nos: BRO-0592(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
025	209.9901 Cont.	SB - STA 102+50 60.9' R		1.00	0011	02
		SB - STA 104+00 60.8' R		1.00	0011	02
		SB - STA 105+50 58.2' R		1.00	0011	02
Item 209.9901 Total:				5.00		
026	212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	LS			
		PROJECT WIDE				
		PROJECT WIDE		1.00	0011	02
Item 212.2000 Total:				1.00		
027	213.0100	PLACEMENT OF MILLINGS BENEATH GUARDRAIL	LF			
		I-95 NB				
		STA 107+30 18' L TO STA 108+70 18' L		140.00	0011	02
		STA 107+30 26.2' R TO STA 108+69 26.2' R		140.00	0011	02
		I-95 SB				
		STA 106+00 24' R TO STA 112+51 23.2' R		660.00	0011	02
		STA 106+91 28.6' L TO STA 113+23 23.6' L		640.00	0011	02
Item 213.0100 Total:				1,580.00		
028	302.0100	GRAVEL BORROW SUBBASE COURSE	CY			
		CONTINGENCY				
		5%		69.00	0011	02
		I-95 NB				
		BRIDGE		221.00	0011	02
		I-95 SB				
		BRIDGE		201.00	0011	02
		FULL DEPTH WIDENING		894.00	0011	02

Distribution of Quantities

Project Name - Group 67A Tefft Hill Trail Bridge No. 592

Estimate Name - Addendum No. 2

R.I. Contract No. - 2015-CB-015

FAP Nos: BRO-0592(002)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
028	302.0100	Cont.				
		ROUTE 3 DETOUR				
		EXIT 4 OFF RAMP ISLAND		17.00	0011	02
		TEFFT HILL TRAIL				
		STA 0+66 TO STA 4+00		46.00	0011	02
				Item 302.0100 Total:	1,448.00	
029	401.1210	CLASS 19.0 HMA WITH WMA AND PAY	TON			
		ADJUSTMENTS				
		GRAVEL BORROW SUBBASE COURSE				
		ITEM 302.0100		1,870.00	0011	02
		ROUTE 3 DETOUR				
		PAVEMENT PATCHING FOR ISLAND		10.00	0011	02
		REPLACEMENT				
		TEMP PAVE FOR ISLAND REMOVAL		10.00	0011	02
				Item 401.1210 Total:	1,890.00	
030	401.3210	CLASS 9.5 HMA WITH WMA AND PAY	TON			
		ADJUSTMENTS				
		I-95 NB				
		STA 107+30 TO STA 108+70		140.00	0011	02
		I-95 SB				
		STA 105+00 TO STA 114+00		30.00	0011	02
		STA 107+30 TO STA 108+70		120.00	0011	02
		STA 95+68 TO STA 120+32		530.00	0011	02
		ROUTE 3 DETOUR				
		PAVEMENT PATCHING FOR ISLAND		10.00	0011	02
		REPLACEMENT				
		TEMP PAVEMENT FOR ISLAND		10.00	0011	02
		REMOVAL				
				Item 401.3210 Total:	840.00	
031	402.0871	DENSE FRICTION COURSE WITH	TON			
		MATERIAL TRANSFER VEHICLE				

Distribution of Quantities

Project Name - Group 67A Tefft Hill Trail Bridge No. 592

Estimate Name - Addendum No. 2

R.I. Contract No. - 2015-CB-015

FAP Nos: BRO-0592(002)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
031	402.0871 Cont.	I-95 SB				
		MILLING AND WIDENING		1,810.00	0011	02
		Item 402.0871 Total:		1,810.00		
032	403.0300	ASPHALT EMULSION TACK COAT	SY			
		PROJECT WIDE				
		I-95		23,060.00	0011	02
		Item 403.0300 Total:		23,060.00		
033	601.0300	CLASS A PORTLAND CEMENT CONCRETE	CY			
		ROUTE 3 DETOUR				
		EXIT 4 OFF RAMP ISLAND		10.00	0011	02
		Item 601.0300 Total:		10.00		
034	701.0512	REINFORCED CONCRETE PIPE M 170	LF			
		CLASS IV 12 INCH				
		GENERAL PLAN NO. 2 - TEMPORARY				
		WIDENING				
		NB - STA 101+86 83.2' L TO		67.00	0011	02
		STA 102+00 18.1' L				
		NB - STA 105+02 17.1' L TO		60.00	0011	02
		STA 105+60 34.2' L				
		SB - STA 102+50 51.8' R TO		34.00	0011	02
		STA 102+51 18.2' R				
		GENERAL PLAN NO. 3 - TEMPORARY				
		WIDENING				
		NB - STA 105+62 36.8' L TO		46.00	0011	02
		STA 105+64 82.5' L				
		NB - STA 107+35 16.1' L TO		47.00	0011	02
		STA 107+36 63.5' L				
		NB - STA 107+86 72.5' R		6.00	0011	02
		SB - STA 105+51 18.2' R TO		37.00	0011	02
		STA 105+63 52.6' R				

Distribution of Quantities

Project Name - Group 67A Tefft Hill Trail Bridge No. 592

Estimate Name - Addendum No. 2

R.I. Contract No. - 2015-CB-015

FAP Nos: BRO-0592(002)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
066	914.5020	Cont. I-95 NB CLOSURE		80.00	0011	02
Item 914.5020 Total:				80.00		
067	916.0650	REMOVE, RELOCATE AND RESET SHOCK ABSORBING BARRIER MODULES TEMP. PAVEMENT REMOVAL	GRP			
		PHASE 1-SB STA 113+65 28' R			0011	02
		PHASE 1-SB STA 120+83 14' R		1.00	0011	02
		TRAFFIC CONTROL PLAN NO. 2				
		PHASE 2-SB STA 113+87 28' R		1.00	0011	02
		TRAFFIC CONTROL PLAN NO. 4				
		PHASE 3-SB STA 111+22 20' L		1.00	0011	02
		PHASE 3-SB STA 113+65 28' R			0011	02
Item 916.0650 Total:				3.00		
S068	916.9901	SHOCK ABSORBING BARRIER MODULES WITH REFLECTIVE TYPE 3 OBJECT MARKER	GRP			
		I-95 SB				
		I-95 SB		2.00	0011	02
Item 916.9901 Total:				2.00		
069	919.0101	TEST PITS PROJECT WIDE	EACH			
		PROJECT WIDE ALLOWANCE		10.00	0011	02
Item 919.0101 Total:				10.00		
070	920.0055	PLACED STONE RIPRAP R-3, R-4, R-5 STANDARD 8.3.0	SY			
		I-95 NB				
		STA 107+86 78' R		23.00	0011	02
		STA 108+18 78.2' R		32.00	0011	02
		I-95 SB				

GENERAL PROVISIONS/CONTRACT SPECIFIC

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APPENDIX 3	TRANSPORTATION MANAGEMENT PLAN
APPENDIX 4	SOIL BORING AND TEST PIT `

5. PAVEMENT REHABILITATION SPECIFICS

Pavement Removal and Disposal

Pavement removal and disposal will occur as follows:

- Approach pavement sections of all the bridges within the project limits
- Rumble strip locations identified on the Plans
- Temporary widening of I-95 southbound
- Milling of the road surface within the limits identified on the Plans
- Temporary removal of traffic island on Nooseneck Hill Road (Route 3)

Pavement Restoration

Restoration of the pavement will occur as follows:

- Temporary pavement will be placed to widen I-95 southbound on the median side within the limits identified on the Plans.
- The bridge superstructures will be replaced with full depth pavement. Refer to the construction plans for the pavement thickness and limits.
- Overlaying of I-95 road surface with friction course within the limits identified on the Plans.
- Reinstatement of traffic island on Nooseneck Hill Road (Route 3)

Paving

The Contractor shall submit a general paving schedule to the Engineer seven (7) days prior to the proposed paving date. The Contractor will be required to “square off” after each day’s paving run.

Asphalt Emulsion Tack Coat: The Contractor shall apply the asphalt emulsion tack coat to the existing pavement and the milled surfaces. No tack coat shall be left exposed to traffic. The Contractor shall apply tack coat only to areas expected to receive final surface course or leveling course by the end of the day’s operations.

The Contractor shall clean and sweep milled areas prior to the application of the surface course. No separate payment will be made for cleaning and sweeping. Payment for cleaning and sweeping operations shall be included in the cost of the paving operation.

Due to the relatively small area of paving, a Material Transfer Vehicle (MTV) will not be required to be supplied during installation of the friction course on I-95 northbound.

6. PAVEMENT MARKINGS

Permanent Pavement Markings

Permanent pavement markings shall be white and yellow epoxy resin pavement markings and shall be in accordance with the requirements of the “Manual on Uniform Traffic Control Devices”, 2009, including all revisions.

Before placing the permanent pavement markings, the Contractor shall ensure that all existing pavement markings have been properly removed from the existing surfaces. For all permanent pavement markings, it is the Contractor’s responsibility to reflect the exact location of all existing pavement markings onto the final friction course surface, unless otherwise shown on the Plans. The Contractor shall make the necessary arrangements to enable him to reestablish these locations before any construction commences.

Epoxy resin pavement markings shall be placed on the final surface course no sooner than 2 weeks but not later than 4 weeks from the completion of paving operation.

Temporary Pavement Markings

Temporary pavement markings shall be either temporary white and yellow epoxy resin pavement markings or temporary waterborne pavement marking and shall be in accordance with the requirements of the “Manual on Uniform Traffic Control Devices” 2009, including all revisions.

Temporary waterborne pavement markings” shall only be used and applied on the final riding surface (friction course) so that the Contractor may accurately show the intended placement of the final epoxy pavement markings. They shall be placed in accordance with Section T20.03.4 of the Standard Specifications.

The Contractor shall remove all of the conflicting existing pavement markings by approved methods before placing new replacement temporary pavement markings for traffic control in accordance with the plans. It shall be the responsibility of the Contractor to maintain the temporary pavement markings throughout the course of construction. Should the length of the Contract carry through a winter shutdown period, the Contractor shall adhere to TAC 0170 by installing “Temporary Epoxy Resin Pavement Markings” in accordance with the plans and specifications.

7. SEQUENCE OF CONSTRUCTION

General

A suggested sequence of construction has been developed which is shown on the plans and is presented as one possible means of completing the replacement of the Tefft Hill Road Bridge No. 592 within the restrictions and limitations specified elsewhere in the contract. The suggested sequence does not address all required work but addresses major components of the work. The suggested sequence is not intended to restrict the Contractor in development of the detailed sequence of work and the Contractor shall be required to complete all specified work in accordance with the Contract requirements and Transportation Management Plan.

The Contractor shall develop an orderly sequence of construction and coordinate with the RIDOT. The sequence of construction shall be developed and submitted to the RIDOT Construction Section in accordance with Section 108.03.

The Contractor shall be required to maintain travel lanes and shoulders of I-95 and Route 3 open to traffic during specific times in accordance with the restrictions defined in the Transportation Management Plan (TMP).

Precast Concrete Arches, Wingwalls, and Foundations

It is anticipated that the pre-cast concrete arches, wingwalls, and foundations will be installed prior to the demolition of the existing bridge superstructures. However, the contractor may optionally elect to perform the Phase 1 demolition of the existing southbound superstructure prior to the installation of some or all of these elements.

The Phase 2 precast median barrier for temporary traffic control setup on I-95 southbound (lane split) will not be allowed to remain during any winter shutdown period.

No work that impacts traffic (construction operations that reduce the number of travel lanes or available shoulders) is to be performed during holiday periods as specified in the Transportation Management Plan.

8. INCIDENT MANAGEMENT

In case of any emergency, the Contractor will be required to move equipment and allow the passage of emergency vehicles and/or open closed lanes to maintain traffic flow. The safety of the residents of the area, motorists passing through the work zone and workers must be considered at all times.

In the event of an accident, or other unforeseen incident, which closes the roadway, the Contractor shall positively cooperate with local authorities by providing traffic control devices, personnel, equipment and material as required, both on and off site. The Contractor shall assist in whatever way possible to clear debris from the roadway and maintain traffic flow. Payment for this work shall be on a force account basis. If the personnel are not available on site, they shall be "on call" and able to respond to the site within one hour of notification of the Contractor's appointed representative by phone or in person by the Department of Transportation.

9. COORDINATION WITH OTHER CONTRACTORS/EVENTS

The Contractor shall be aware of other construction projects and events ongoing or commencing during the construction period of this contract. It shall be the Contractor's responsibility to coordinate with the Engineer to determine the impacts of his construction operations on adjacent projects. The Contractor may be required to attend periodic coordination meetings with representatives of the Town and State to discuss and resolve potential conflicts. Contracts known that may be active during this contract include Replacement of Victory Highway Bridge No. 589 in West Greenwich.

The Contractor shall be aware of RI Contract No. 2014-CT-079 which will implement modifications to the east intersection of Nooseneck Hill Road (Route 3) and Victory Highway (Route 102) during the spring of 2016. It is anticipated these modifications will be complete prior to the commencement of the Tefft Hill Trail bridge replacement project.

Events that may be active during this contract include the National Roadcheck Program conducted in part with the Commercial Vehicle Safety Alliance. This is an annual event occurring each spring and coordinated by the Rhode Island State Police (RISP). The event typically requires closure of the northbound weigh station/truck stop adjacent to the Tefft Hill Trail Bridge No. 592. The Contractor shall coordinate with the RISP to determine details of the event to avoid impacts to construction operations and schedule.

10. OTHER COORDINATION CONTACTS

The Contractor shall be responsible to coordinate their activities with the following entities:

1. RIDOT Transportation Management Center (TMC)

11. CONTRACTOR'S RESPONSIBILITY FOR DAMAGED STORM DRAINS

The Contractor shall use care when working within or in the vicinity of existing drainage structures. Any drainage structures, pipes, or culverts damaged during the disposing of, cleaning of, installation of, or while making repairs to drainage structures/pipes or culverts or while carrying out any other work on this contract shall be the Contractor's responsibility. Any drainage structures, pipes, or culverts damaged by the Contractor, while carrying out this Contract shall be replaced or repaired by the Contractor to the satisfaction of the Engineer at no additional charge to the State of Rhode Island.

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JOB SPECIFIC

CODE

101.71

SUBSTANTIAL COMPLETION

101.71 SUBSTANTIAL COMPLETION. Substantial completion is when the Work is completed so it can be safely and effectively used by the public. This may include the entire Project or a unit, or portion of the Work such as a structure, an interchange, or section of road or pavement

Except as provided by other provisions in the Contract, after notice by the Contractor, Substantial Completion occurs at the point when the Engineer determines that the following Work has been finished:

- 1) All courses of pavement are completed;
- 2) Curbing and sidewalks are placed;
- 3) All project drainage is completed;
- 4) Guardrail and terminal sections are properly installed;
- 5) Permanent pavement markings are completed;
- 6) Traffic signal systems meet the following requirements:
 - a) Isolated traffic signals - the signal control equipment is fully programmed, detectors are installed and functioning, and the signal is in actuated operation;
 - b) Coordinated traffic signal systems - the requirements of condition (a) are met, the interconnect is installed and functioning, and the signals are operating as a coordinated system;
 - c) Closed loop signal systems - the conditions of (a) and (b) are met, the communications link is operating, and the monitoring functions, including system and intersection graphics, are installed and operating at the Department's monitoring stations;
- 7) Regulatory and warning signs are installed;
- 8) Highway lighting is operational.

The parties may agree that any incomplete contract Work, including but not limited to landscaping, erosion control measures, or Final Cleanup, not listed in 1-8 above shall be completed on the Punch List, which is defined in Section 101 in the Specifications.

JOB SPECIFIC

**CODE
108.03**

PROSECUTION AND PROGRESS

GENERAL REQUIREMENTS:

Project Schedule Program: The Contractor shall develop and maintain an integrated schedule management and controls program, i.e. Critical Path Method Schedule (CPM Schedule), through Completion of the Project. The Special Provisions of the Contract shall modify the schedule requirements.

- a) The Contractor's Schedule shall include all Contract requirements, including Work performed by the Contractor, subcontractors, vendors, suppliers, utility companies, regulatory agencies, the State and any other third party.
- b) The following Schedule Submittals are required:
 - i) Preliminary Schedule
 - ii) Baseline Schedule
 - iii) Schedule Updates
 - iv) Recovery Schedule as requested by the Department.
- c) If the Contractor fails to provide an acceptable Project Baseline Schedule and Project Schedule Update in accordance with the requirements of the Contract, the Contractor shall be responsible for all delays and resulting costs to the Project.
- d) The Department may withhold progress payments if the Contractor fails to submit required Schedule Submissions.
- e) Software. The software used to generate the CPM Schedule shall be capable of producing schedules in accordance with the requirements of the Contract and fully compatible with the current software utilized by the Department, or designee. Unless otherwise specified in the Contract, the Contractor shall use terminology defined by Department's, or designee's software.

SCHEDULE REQUIREMENTS:

The Department will provide the Contractor with templates during Schedule Development. The Schedules shall be developed and maintained in accordance with the following requirements and as approved by the Department, or designee:

- a) Schedule Narrative: A description of the sequence of events summarizing the detailed Milestone Status, Critical Path, and all changes made to the Schedule, including Actual

Dates, logic revisions, and Calendar and Duration changes.

- b) CPM Schedule. All CPM Schedules shall utilize a Work-Breakdown Structure (WBS) developed by the Contractor. The WBS shall be used as the primary code for displaying and organizing the graphical output schedules utilized for the Project, unless otherwise directed by the Department, or designee. The basic dictionary for the WBS shall be approved by the Department, or designee in Schedule Development.

REVIEW AND APPROVAL OF SUBMITTALS:

The Department, or designee will review Schedule Submittals for conformance with the requirements of the Contract Documents. The planning, scheduling, and execution of the Work and the accuracy of any Project Schedule is the responsibility of the Contractor. The Contractor remains responsible for errors in any previously accepted Project Schedule, including but not limited to omitted activities, activity durations, relationships between activities, resource allocation, or any float suppression techniques. The Department, or designee may direct the Contractor to address and adjust schedules that do not accurately reflect the Work at any time, with no additional cost to the State. Approval or acceptance of any Project Schedule does not relieve the Contractor of any responsibility for the completion of the work in conformance with all Contract.

SCHEDULE DEVELOPMENT:

- a) The Schedule Development process shall commence on the date that the Apparent Low Bidder letter is mailed to the Contractor, which will be considered Day 1 for all Schedule Submittals.
- b) Within 30 days of the Apparent Low Bidder Letter, the Contractor will submit a Preliminary Schedule which will contain all activity data, including all logic, for all Work required to be performed within the first 120 days after the NTP.
- c) Within 90 days of the Apparent Low Bidder Letter, the Contractor will submit a Baseline Schedule which will show all Work activities and logic for the complete Contract and include a Narrative Report.

SCHEDULE UPDATES:

Meetings shall be held as directed by the Department, or designee from Notice to Proceed to the substantial completion. The Contractor shall furnish a complete and accurate Schedule Update once a month detailing of the current progress, a printed Critical Path report, a report of the days gained or lost relative to the Substantial Completion date and any other completion dates and a depiction of how future Work plans shall meet the Contract completion dates. The Contractor shall provide sufficient copies of the Schedule Updates in the format acceptable by the Department, or designee.

The Contractor shall submit three copies (paper and electronic) of the Schedule Update. Schedule Updates shall be submitted once a month even in the absence of a Schedule Update Meeting. The Department, or designee shall have 10 working days to review the Schedule Update Submittal.

The Schedule Updates shall contain the following components: (i) Schedule Narrative; (ii) Schedule Activity Report –Past Month and Remaining; (iii) Schedule Activity Report Longest Path (per completion date); (iv) Two week Look Ahead Schedule; (v) Predecessor/Successor Report; (vi) Data File and; (vii) other reports requested by the Department, or designee.

All Schedule data, logic and duration changes, and any modifications to the Schedule shall be addressed and discussed with the Department, or designee at the Project Schedule Update Meeting. This shall be done prior to the Contractor submitting their final Schedule Updates.

Changes to the accepted Baseline Schedule shall be detailed in the Schedule Update Narrative. The acceptance and inclusion of these changes will not be the sole basis of acceptance or entitlement to any time extension(s) or monetary compensation(s).

Schedule Update Submittals will not be used as the sole basis for any adjustment in the Contract Time(s), regardless of their approval by the Department, or designee. Any approval of the Schedule Update Submittal by the Department, or designee, either expressed or implied, will only apply to the issue of progress.

RECOVERY SCHEDULE SUBMITTAL:

The Contractor shall identify all schedule and progress delays during the prosecution of the Work. At the Department's, or designee's request, the Contractor shall develop and submit a Recovery Schedule.

The Contractor is not relieved from the submission of Schedule Updates during the development of a Recovery Schedule.

The Recovery Schedule shall illustrate a clear process and procedure for eliminating or mitigating said delays to the Contract Time(s).

The Recovery Schedule shall be submitted within 30 calendar days of the corresponding Schedule Update and is subject to approval by the Department, or designee.

Non-Excusable Delays: The development and submission of the Recovery Schedule shall be at no additional cost to the State.

Excusable Delays: The State may reimburse the Contractor for the costs of the development the Recovery Schedule.

JOB SPECIFIC

CODE 707.9901

PLATE AND COVER CATCH BASIN

DESCRIPTION: This work consists of temporarily modifying, covering and subsequently reinstating existing catch basins as indicated on the Plans or as directed by the Engineer, all in accordance with these Specifications.

MATERIALS: Materials used for “PLATE AND COVER CATCH BASIN” shall be in accordance with the following:

Steel Plates: Steel plates used to cover catch basins shall be minimum ½”-thick Grade A36 steel of sufficient size to cover the underlying structure of the catch basins, such that 1) the catch basin top opening is completely covered, and 2) all edges of the steel plate are supported by the concrete structure. Steel plates may be circular or square depending on the shape of the individual catch basins, provided that they meet the preceding requirements.

HMA Pavement:

- Class 19.0 HMA base course in accordance with Section 401 of the Standard Specifications.
- Class 9.5 HMA surface course in accordance with Section 401 of the Standard Specifications.

Brick & Mortar for Frame Adjustment: As specified in SECTION 702.02.1 – MASONRY UNIT CONSTRUCTION of the RIDOT Standard Specifications.

METHOD OF CONSTRUCTION: “PLATE AND COVER CATCH BASIN” shall be performed as follows:

- Sawcut and remove HMA pavement around existing catch basin frames and grates;
- If encountered, existing concrete collars shall be removed and disposed.
- Remove and stockpile existing frames and grates;
- Install steel plates over catch basin structures. Steel plates shall be installed at a depth sufficient to install the full depth of temporary pavement as shown on the detail;
- Install temporary HMA paving over steel plates;
- Remove temporary HMA and steel plates;
- Reinstall stockpiled frames and grates onto catch basins (including concrete collar if required),
- Install full depth permanent HMA pavement
- Adjust frames and grates to final grades,

If required at the direction of the Engineer, the Contractor shall rebuild or repair the corbel section of the existing drainage structure. This work shall be paid for separately under Item 704.0100 Reconstruct Catch Basin/Corbel Cones.

All of the preceding shall be in accordance with all applicable requirements of these specifications and as shown on the plans and detailed layouts.

METHOD OF MEASUREMENT: “PLATE AND COVER CATCH BASIN” will be measured by the unit of PER EACH as measured by each catch basin plated, covered and reinstated, as specified on the plans and as required by the specifications.

BASIS OF PAYMENT: The accepted quantity of “PLATE AND COVER CATCH BASIN” will be paid for at the contract unit price per each as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, equipment, and incidentals, including but not limited to saw cutting, pavement and concrete collar removal and disposal, removal and stockpiling of existing frames and grates, installation of steel plates over catch basin structures, installation of HMA paving over steel plates and structures, removal of HMA and steel plates, installation of stockpiled frames and grates on catch basins, installation of full-depth HMA pavement reinstatement, adjustment of frames and grates to final grades, and any other work required to finish the plating, covering and reinstatement of the catch basins, complete and accepted by the Engineer.

Repair or rebuilding of catch basins/corbel cones shall be paid for separately under Item 704.0100 Reconstruct Catch Basin/Corbel Cones.

General Decision Number: RI160001 04/01/2016 RI1

Superseded General Decision Number: RI20150001

State: Rhode Island

Construction Types: Building, Heavy (Heavy and Marine) and Highway

Counties: Rhode Island Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) HEAVY, HIGHWAY AND MARINE CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	01/29/2016
3	02/12/2016
4	02/19/2016
5	03/04/2016
6	03/11/2016
7	04/01/2016

ASBE0006-006 06/01/2015

	Rates	Fringes
HAZARDOUS MATERIAL HANDLER (Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....	\$ 31.63	18.30

ASBE0006-008 09/01/2015

	Rates	Fringes
Asbestos Worker/Insulator		

Includes application of
all insulating materials,
protective coverings,
coatings & finishes to all
types of mechanical systems.\$ 39.43 25.65

BOIL0029-001 10/01/2009

	Rates	Fringes
BOILERMAKER.....	\$ 38.25	17.04

BRRIO003-001 12/01/2014

	Rates	Fringes
Bricklayer, Stonemason, Pointer, Caulker & Cleaner.....	\$ 35.94	23.67

BRRIO003-002 09/01/2015

	Rates	Fringes
Marble Setter, Terrazzo Worker & Tile Setter.....	\$ 36.29	25.14

BRRIO003-003 09/01/2015

	Rates	Fringes
Marble, Tile & Terrazzo Finisher.....	\$ 30.61	23.95

CARP0094-001 01/01/2016

	Rates	Fringes
CARPENTER (Includes Soft Floor Layer).....	\$ 34.56	25.50
Diver Tender.....	\$ 35.56	25.50
DIVER.....	\$ 46.36	25.50
Piledriver.....	\$ 34.56	25.50
WELDER.....	\$ 35.56	25.50

FOOTNOTES:

When not diving or tending the diver, the diver and diver tender shall receive the piledriver rate. Diver tenders shall receive \$1.00 per hour above the pile driver rate when tending the diver.

Work on free-standing stacks, concrete silos & public utility electrical power houses, which are over 35 ft. in height when constructed: \$.50 per hour additional.

Work on exterior concrete shear wall gang forms, 45 ft. or more above ground elevation or on setback: \$.50 per hour additional.

The designated piledriver, known as the "monkey": \$1.00 per

hour additional.

 CARP1121-002 10/01/2015

	Rates	Fringes
MILLWRIGHT.....	\$ 34.47	26.38

 ELEC0099-002 06/01/2015

	Rates	Fringes
ELECTRICIAN.....	\$ 35.83	59.94%
Teledata System Installer.....	\$ 26.87	13.72%+13.57

FOOTNOTES:

Work of a hazardous nature, or where the work height is 30 ft. or more from the floor, except when working OSHA-approved lifts: 20% per hour additional.

Work in tunnels below ground level in combined sewer outfall: 20% per hour additional.

 ELEV0039-001 01/01/2016

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 47.37	29.985+A+B

FOOTNOTES:

A. PAID HOLIDAYS: New Years Day; Memorial Day; Independence Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday after Thanksgiving Day; and Christmas Day.

B. Employer contributes 8% basic hourly rate for 5 years or more of service of 6% basic hourly rate for 6 months to 5 years of service as vacation pay credit.

 ENGI0057-001 11/29/2015

	Rates	Fringes
Operating Engineer: (power plants, sewer treatment plants, pumping stations, tunnels, caissons, piers, docks, bridges, wind turbines, subterranean & other marine and heavy construction work)		
GROUP 1.....	\$ 36.15	24.10+a
GROUP 2.....	\$ 31.77	24.10+a
GROUP 3.....	\$ 28.92	24.10+a
GROUP 4.....	\$ 35.20	24.10+a
GROUP 5.....	\$ 26.00	24.10+a

GROUP 6.....	\$ 20.00	24.10+a
GROUP 7.....	\$ 31.85	24.10+a
GROUP 8.....	\$ 35.77	24.10+a

a. BOOM LENGTHS, INCLUDING JIBS:

- 150 feet and over + \$ 2.00
- 180 feet and over + \$ 3.00
- 210 feet and over + \$ 4.00
- 240 feet and over + \$ 5.00
- 270 feet and over + \$ 7.00
- 300 feet and over + \$ 8.00
- 350 feet and over + \$ 9.00
- 400 feet and over + \$10.00

a. PAID HOLIDAYS:

New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

a. FOOTNOTES:

Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging machine, Ross Carrier, crane, lighter, locomotive, derrick, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, graders, front end loader (3 yds. and over), vibratory hammer & vacuum truck, roadheaders, forklifts, economobile type equipment, tunnel boring machines, concrete pump and on site concrete plants.

GROUP 2: Fireman & oiler.

GROUP 3: Oiler on crawler backhoe.

GROUP 4: Bulldozer, bobcats, skid steer loader, tractor, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile-powered sweeper (3-yd. capacity), 8-ft. sweeper minimum 65 HP).

GROUP 5: Well-point installation crew.

GROUP 6: Utility Engineers and Signal Persons

GROUP 7: Heater, concrete mixer, stone crusher, welding machine, generator and light plant, gas and electric driven pump and air compressor.

GROUP 8: Boat & tug operator.

ENGI0057-002 11/29/2015

Rates Fringes

Power Equipment Operator
 (highway construction
 projects; water and sewerline
 projects which are incidental
 to highway construction
 projects; and bridge projects
 that do not span water)

GROUP 1.....	\$ 31.30	24.10+a
GROUP 2.....	\$ 26.00	24.10+a
GROUP 3.....	\$ 20.00	24.10+a
GROUP 4.....	\$ 26.58	24.10+a
GROUP 5.....	\$ 30.28	24.10+a
GROUP 6.....	\$ 29.90	24.10+a
GROUP 7.....	\$ 25.55	24.10+a
GROUP 8.....	\$ 26.93	24.10+a
GROUP 9.....	\$ 28.88	24.10+a

a. FOOTNOTE: a. Any employee who works three days in the week in which a holiday falls shall be paid for the holiday.

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Digging machine, crane, piledriver, lighter, locomotive, derrick, hoist, boom truck, John Henry's, directional drilling machine, cold planer, reclaimer, paver, spreader, grader, front end loader (3 yds. and over), vacuum truck, test boring machine operator, veemere saw, water blaster, hydro-demolition robot, forklift, economobile, Ross Carrier, concrete pump operator and boats

GROUP 2: Well point installation crew

GROUP 3: Utility engineers and signal persons

GROUP 4: Oiler on cranes

GROUP 5: Combination loader backhoe, front end loader (less than 3 yds.), forklift, bulldozers & scrapers and boats

GROUP 6: Roller, skid steer loaders, street sweeper

GROUP 7: Gas and electric drive heater, concrete mixer, light plant, welding machine, pump & compressor

GROUP 8: Stone crusher

GROUP 9: Mechanic & welder

 ENGI0057-003 11/29/2015

BUILDING CONSTRUCTION

Rates Fringes

Power Equipment Operator

GROUP 1.....	\$ 35.42	24.10+a
GROUP 2.....	\$ 35.20	24.10+a
GROUP 3.....	\$ 31.20	24.10+a
GROUP 4.....	\$ 28.35	24.10+a
GROUP 5.....	\$ 34.50	24.10+a
GROUP 6.....	\$ 34.07	24.10+a
GROUP 7.....	\$ 31.39	24.10+a

a. BOOM LENGTHS, INCLUDING JIBS:

- 150 ft. and over: + \$ 2.00
- 180 ft. and over: + \$ 3.00
- 210 ft. and over: + \$ 4.00
- 240 ft. and over: + \$ 5.00
- 270 ft. and over: + \$ 7.00
- 300 ft. and over: + \$ 8.00
- 350 ft. and over: + \$ 9.00
- 400 ft. and over: + \$10.00

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

- a. FOOTNOTE: Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging machine, Ross carrier, crane, boomtrucks, lighter, locomotive, derrick, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer and vacuum truck

GROUP 2: Telehandler equipment, forklift, concrete pump & on-site concrete plant

GROUP 3: Fireman & oiler

GROUP 4: Oiler on crawler backhoe

GROUP 5: Bulldozer, skid steer loaders, bobcats, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile powered sweeper (3 yds. capacity), 8-ft. sweeper (minimum 65 hp)

GROUP 6: Well point installation crew

GROUP 7: Heater, concrete mixer, stone crusher, welding machine, generator for light plant, gas and electric driven pump & air compressor

* IRON0037-001 03/16/2016

Rates Fringes

IRONWORKER.....\$ 34.01 25.22

LABO0271-001 06/01/2014

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 28.05	22.45
GROUP 2.....	\$ 28.30	22.45
GROUP 3.....	\$ 28.80	22.45
GROUP 4.....	\$ 29.05	22.45
GROUP 5.....	\$ 30.05	22.45

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone Spreader, Pneumatic Tool Operator, Wagon Drill Operator, Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

LABO0271-002 06/01/2014

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
LABORER		
COMPRESSED AIR		
Group 1.....	\$ 45.48	20.70
Group 2.....	\$ 35.00	20.70
Group 3.....	\$ 47.48	20.70
FREE AIR		
Group 1.....	\$ 37.55	20.70
Group 2.....	\$ 35.00	20.70
Group 3.....	\$ 39.55	20.70
LABORER		
Group 1.....	\$ 28.05	20.70
Group 2.....	\$ 28.30	20.70
Group 3.....	\$ 29.05	20.70
Group 4.....	\$ 21.55	20.70
Group 5.....	\$ 30.05	20.70
OPEN AIR CAISSON,		

UNDERPINNING WORK AND
BORING CREW

Bottom Man.....	\$ 34.05	20.70
Top Man & Laborer.....	\$ 33.10	20.70
TEST BORING		
Driller.....	\$ 34.50	20.70
Laborer.....	\$ 33.10	20.70

LABORER CLASSIFICATIONS

GROUP 1: Laborer; Carpenter tender; Cement finisher tender; Wrecking laborer; Asbestos removers [non-mechanical systems]; Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper; Chain saw operators; Concrete and power buggy operator; Concrete saw operator; Demolition burner; Fence and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; Wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the "HOT" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the "HOT" zone

PAIN0011-005 06/01/2015

	Rates	Fringes
PAINTER		
Brush, Roller, Taper, Wall Coverer.....	\$ 31.52	19.35
Epoxy, Tanks, Towers, Swing Stage & Structural Steel.....	\$ 33.52	19.35
Spray, Sand & Water Blasting.....	\$ 32.52	19.35

PAIN0011-006 06/01/2015

	Rates	Fringes
GLAZIER.....	\$ 35.08	19.35

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

PAIN0011-011 06/01/2015

	Rates	Fringes
Painter (Bridge Work).....	\$ 45.95	19.35

PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter.....	\$ 24.79	13.72

PLAS0040-001 12/01/2015

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 32.30	26.20
PLASTERER.....	\$ 33.00	25.50

FOOTNOTE: Cement Mason: Work on free swinging scaffolds under
3 planks width and which is 20 or more feet above ground
and any offset structure: \$.30 per hour additional.

PLAS0040-002 07/19/2015

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
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CEMENT MASON/CONCRETE FINISHER...\$ 29.10 20.95

 PLUM0051-002 03/01/2016

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 37.38	28.20

 ROOF0033-004 01/01/2016

	Rates	Fringes
ROOFER.....	\$ 33.53	21.84

 SFRI0669-001 01/01/2016

	Rates	Fringes
SPRINKLER FITTER.....	\$ 41.37	20.77

 SHEE0017-002 12/01/2015

	Rates	Fringes
Sheet Metal Worker.....	\$ 34.46	33.18

 TEAM0251-001 08/01/2015

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 26.71	21.3225+A+B+C
GROUP 2.....	\$ 26.86	21.3225+A+B+C
GROUP 3.....	\$ 26.91	21.3225+A+B+C
GROUP 4.....	\$ 26.96	21.3225+A+B+C
GROUP 5.....	\$ 27.06	21.3225+A+B+C
GROUP 6.....	\$ 27.46	21.3225+A+B+C
GROUP 7.....	\$ 27.66	21.3225+A+B+C
GROUP 8.....	\$ 27.16	21.3225+A+B+C
GROUP 9.....	\$ 27.41	21.3225+A+B+C
GROUP 10.....	\$ 27.21	21.3225+A+B+C

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, plus Presidents' Day, Columbus Day, Veteran's Day & V-J Day, providing the employee has worked at least one day in the calendar week in which the holiday falls.

B. Employee who has been on the payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

C. Employees on the seniority list shall be paid a one

hundred dollar (\$100.00) bonus for every four hundred (400) hours worked, up to a maximum of five hundred dollars (\$500.00)

All drivers working on a defined hazard material job site shall be paid a premium of \$2.00 per hour over applicable rate.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-up trucks, station wagons, & panel trucks

GROUP 2: Two-axle on low beds

GROUP 3: Two-axle dump truck

GROUP 4: Three-axle dump truck

GROUP 5: Four- and five-axle equipment

GROUP 6: Low-bed or boom trailer.

GROUP 7: Trailers when used on a double hook up (pulling 2 trailers)

GROUP 8: Special earth-moving equipment, under 35 tons

GROUP 9: Special earth-moving equipment, 35 tons or over

GROUP 10: Tractor trailer

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed

in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

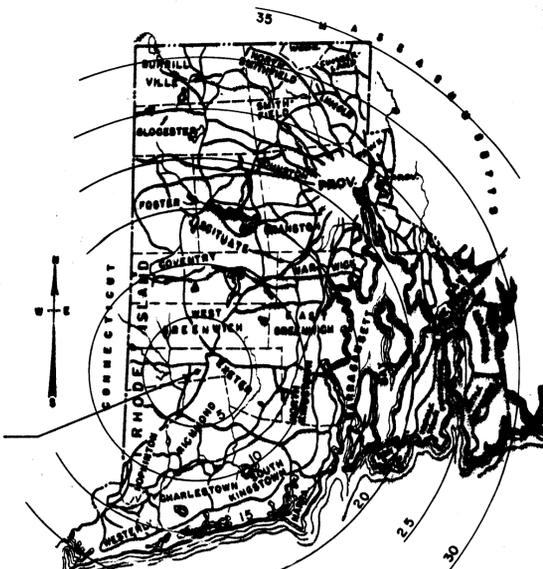
SHEET	NO.	DESCRIPTION
"	1	TITLE SHEET
"	2	LOCATION PLAN & PROFILE (QUANTITIES)
"	3	BORING LOGS
"	4	BORING LOGS
"	5	GENERAL PLAN & ELEVATION
"	6	NORTH ABUTMENTS
"	7	SOUTH ABUTMENTS
"	8	TYPICAL CROSS SECTION, FRAMING PLAN & DECK GRADES
"	9	PRESTRESSED BEAMS
"	10	NORTH ABUTMENTS-REINFORCEMENT
"	11	SOUTH ABUTMENTS-REINFORCEMENT
"	12	NORTH WINGWALLS-OUTLINE & REINFORCEMENT
"	13	SOUTH WINGWALLS-OUTLINE & REINFORCEMENT
"	14	DECK & APPROACH SLAB REINFORCEMENT
"	15	MISCELLANEOUS DETAILS
"	16	MISCELLANEOUS DETAILS
"	17	PREVIOUS FILL & EXCAVATION LIMITS
"	18	SLOPE PAVING & 1 BAR BRIDGE RAILING
"	19	DECK REINFORCING SCHEDULE
"	20	ABUTMENT REINFORCING SCHEDULE
"	21	END POST & DIAPHRAGM REINFORCING SCHEDULE
"	22	WINGWALLS-REINFORCING SCHEDULE

STATE OF RHODE ISLAND
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ROADS AND BRIDGES

PLAN, PROFILE AND SECTIONS OF PROPOSED
 STATE HIGHWAY
 BRIDGE NO. 592
 TO BE KNOWN AS
 TEFFT HILL TRAIL BRIDGE
 EXETER
 WASHINGTON COUNTY
 PART OF

FEDERAL AID PROJECT NO. I-95-1(15)9

0.011 MILE CONTRACT I



LOCATION MAP

DESIGN DATA

SPECIFICATIONS:

- A.A.S.H.O. 1961 EDITION WITH LATEST REVISIONS AND INTERIM SPECIFICATIONS.
- RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1965 REVISION.

LOADING:

IN ACCORDANCE WITH THE SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS FOR HS-20-44 LOADING 1961 EDITION, MODIFIED FOR MILITARY REQUIREMENTS & R. I. LEGAL LOAD. DESIGNED FOR FUTURE 3" WEARING SURFACE.

STRESSES:

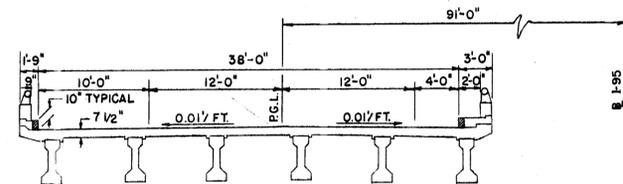
STEEL REINFORCEMENT:	f _y = 20,000 PSI
CONCRETE:	f _c = 1,200 PSI
PRESTRESSED BEAMS:	f _p = 5,000 PSI
PRESTRESSING STEEL:	f _p = 175,000 PSI

FOUNDATION DESIGN LOAD:

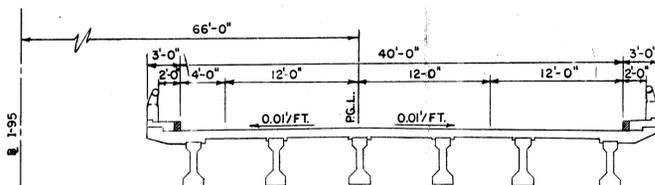
FOUNDATION PRESSURE: ALLOWABLE 7,000 PSF

BENCH MARKS:

BRIDGE BENCHES TO BE ESTABLISHED BY THE ENGINEER AT THE SITE.
 BRIDGE BENCHES:-B.M. EL. 456.99 STA 104+38 CHISEL IN ROCK.
 -B.M. EL. 467.31 STA 107+00 RT. 210 CHISEL IN ROCK.



SOUTHBOUND



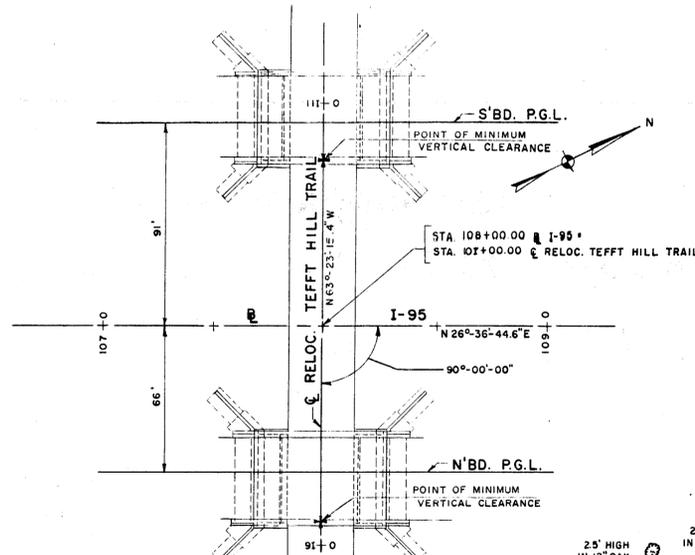
NORTHBOUND

TYPICAL CROSS SECTIONS

SCALE: 1/8" = 1'-0"

CONVENTIONAL SIGNS

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
STATE LINE	---	PIPE CULVERT (in plan)	---
COUNTY LINE	---	PIPE CULVERT (in profile)	---
TOWN LINE	---	BOX CULVERT (in plan)	---
CITY LINE	---	BOX CULVERT (in profile)	---
CENTER LINE	---	STONE CULVERT (in plan)	---
HIGHWAY LINE	---	STONE CULVERT (in profile)	---
EDGE OF PAVEMENT	---	MIRRORE	---
EDGE OF TRAVEL WAY	---	HYDRANT (surface)	---
MONUMENTS (round)	---	HYDRANT (under)	---
BENCH MARK	B.M.No. 9	CRITCH BRUSH	---
ELECTRIC RAILWAY	---	STREAM	---
STEAM RAILWAY	---	DITCH	---
FENCE (wire)	---	POND	---
FENCE (wood)	---	LEDGE	---
FENCE (with stone posts)	---	BOULDER	---
FENCE (wire and stone)	---	WATER OR GAS GATE	---
STONE WALL	---	TEL. POLE	---
BESTONES	---	BUILDINGS	---
RETAINING WALL (holding back)	---	CEMENTERY	---
SUSTAINING WALL (holding road)	---	MAIL BOX	---
TREES	---	BRUSH	---
HEDGE	---	STEEP BANK	---
COBBLE GUTTER	---	SWAMP	---
BRIDGE	---		



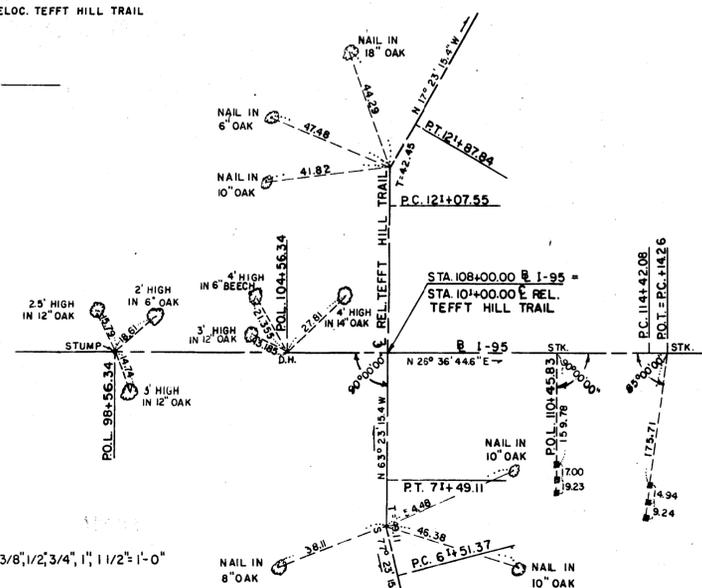
LAYOUT

SCALE 1 IN. = 40'-0"

SCALES OF DRAWINGS

Plans	1 inch = 40, 10, 20, 1/8, 3/16, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2 = 1'-0"
Profiles	1 inch = 40 feet Horizontal 1 inch = 8 feet Vertical
Cross Sections	1 inch = 4 feet Horizontal 1 inch = 4 feet Vertical

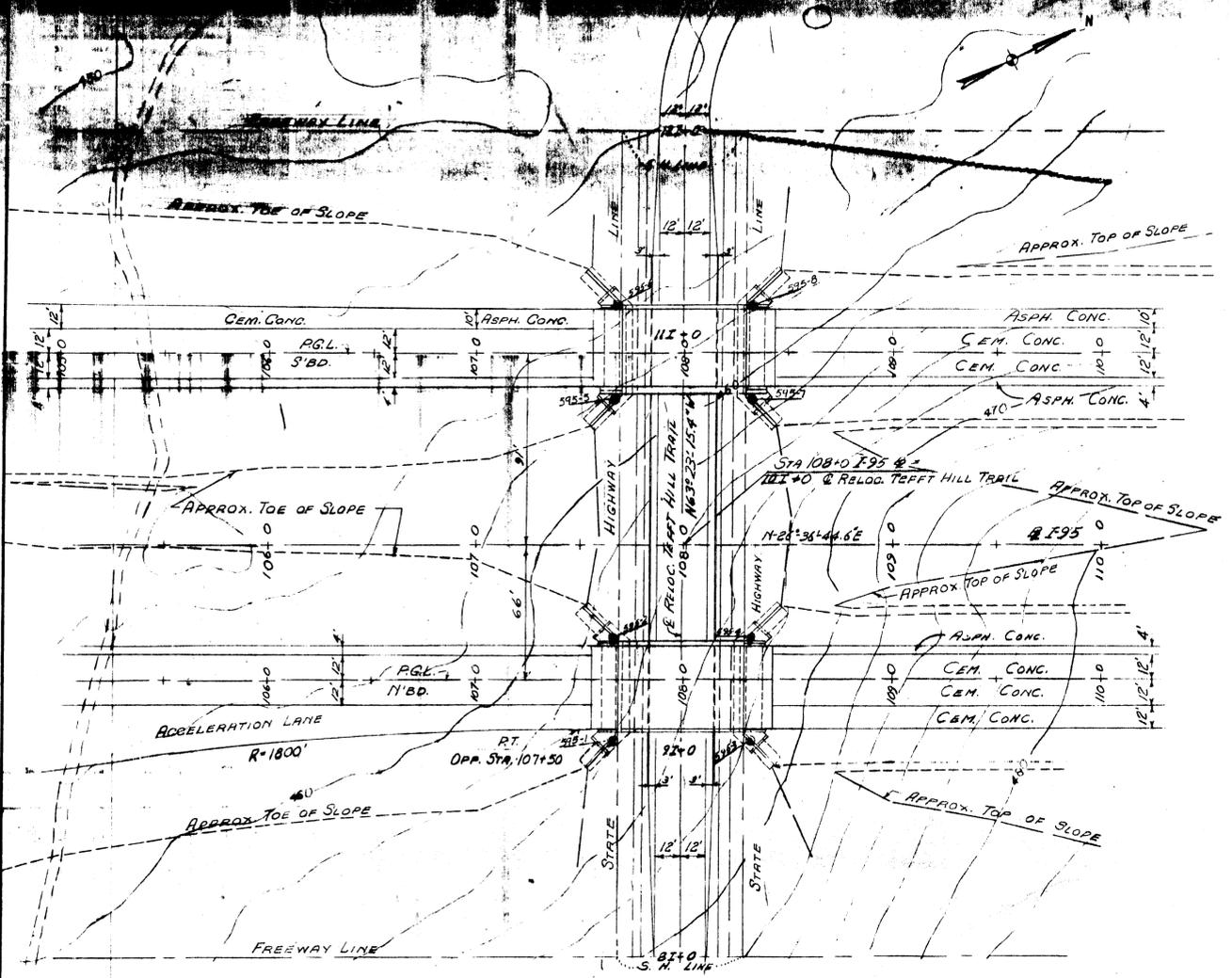
BASE OF LEVELS
 1929 G. A. DATUM
 M. S. L.



SURVEY TIES

Contract Number 6678
 Number of Sheet 1
 Total Sheets 22

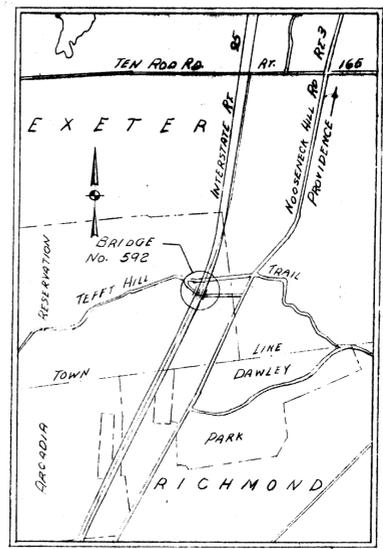
R. I. DEPARTMENT OF PUBLIC WORKS DIVISION OF ROADS AND BRIDGES	
APPROVED	
CHIEF ENGINEER	DATE
APPROVED	
PUBLIC WORKS CONTROLLER	DATE
APPROVED	
DIRECTOR	DATE
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED	
DIVISION ENGINEER	DATE



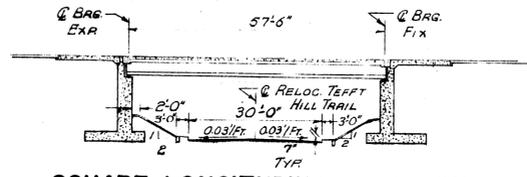
PLAN
SCALE: 1" = 40'-0"

STRUCTURE QUANTITIES

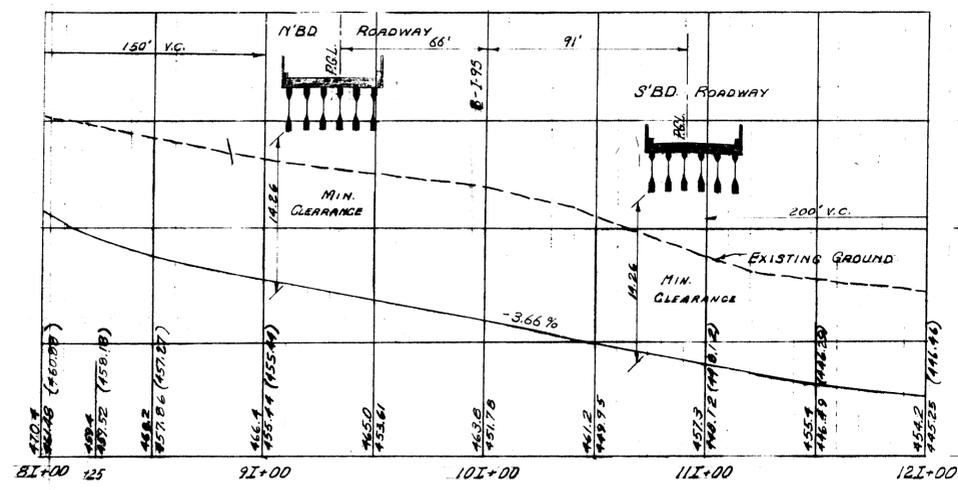
SUPERSTRUCTURE		
PRESTRESSED CONCRETE BEAMS TYPE III		708 L.F.
SUPERSTRUCTURE CONCRETE CLASS AA(AE) BRIDGE DECKS (INCLUDING DIAPHRAGMS)		155' C.Y.
SUPERSTRUCTURE CONCRETE CLASS AA(AE) BRIDGE SIDEWALKS		14 C.Y.
PARAPETS		14 C.Y.
JOINT SEALER (POURED) 1/2" x 1/2" TYPE B	851 C.I.	
" " " " " " " "	481 C.I.	
TOTAL JOINT SEALER (POURED) TYPE B		1,332 C.I.
CONCRETE SURFACE FINISHING RUBBED, REGULAR		1,900 S.F.
STANDARD BARS INTERMEDIATE GRADE		
#8	1,359 LBS.	
#7	3,390 LBS.	
#6	2,777 LBS.	
#5	45,429 LBS.	
#4	1,073 LBS.	
TOTAL BARS INTERMEDIATE GRADE		54,028 LBS.
ELASTOMERIC BEARINGS		24 EACH
2" DIA. TAPERED DOWEL (SWEDGE)		4 EACH
1 1/2" DIA. DOWEL (SWEDGE)		4 EACH
STEEL BRIDGE RAIL - 1 BAR		238 L.F.
VERTICAL FACE GRANITE CURB - STRAIGHT 10" REVEAL		238 L.F.
POLYMER EMULSION FINISH		4,640 S.F.
SUBSTRUCTURE		
SUBSTRUCTURE CONCRETE CLASS AA(AE) END POSTS		14 C.Y.
" " " " BRIDGE SIDEWALKS		3 C.Y.
" " " " B (1 1/2") FOOTINGS		380 C.Y.
" " " " WALL STEMS		237 C.Y.
" " " " ABUTMENT STEMS		235 C.Y.
" " " " A (2 1/2") APPROACH SLABS		94 C.Y.
PREFORMED JOINT FILLER CORK 3/4"		67 S.F.
" " " " 1/2"		409 S.F.
" " " " CELLULAR RUBBER 1"		472 S.F.
JOINT SEALER (POURED) 1/2" x 1/2" TYPE B	136 C.I.	
" " " " 3/4" x 3/4" " "	420 C.I.	
" " " " 1/2" x 1/2" " "	738 C.I.	
" " " " 1" x 1" " "	5,734 C.I.	
" " " " 1" x 2" " "	770 C.I.	
TOTAL JOINT SEALER (POURED) TYPE B		7,798 C.I.
PREFORMED JOINT FILLER BITUMINOUS 3/4"		39 S.F.
ELASTOMERIC PREFORMED EXPANSION JOINT NEOPRENE 2 1/2" STD.		78 L.F.
CONCRETE SURFACE FINISHING RUBBED, REGULAR		4,840 S.F.
STANDARD BARS INTERMEDIATE GRADE		
#10	15,550 LBS.	
#8	14,648 LBS.	
#7	13,214 LBS.	
#6	11,581 LBS.	
#5	11,698 LBS.	
#4	24,870 LBS.	
TOTAL BARS INTERMEDIATE GRADE		91,561 LBS.
WEEP HOLES, 2" DIA. C.I. PIPE		15 L.F.
" " " " 6" " "		50 L.F.
VERTICAL FACE GRANITE CURB - STRAIGHT 10" REVEAL		80 L.F.
GRAVEL BORROW		81 C.Y.
STRUCTURAL EXCAVATION, EARTH		1,780 C.Y.
PERVIOUS FILL		2,436 C.Y.
PAVED WATERWAYS		33 S.Y.
SLOPED PAVEMENT ADJACENT TO STRUCTURES (CONCRETE)		203 S.Y.
GRANITE CURB, QUARRY SPLIT, STRAIGHT 6" x 18" R.I. STD. # 35 A		167 L.F.
GRANITE CURB, QUARRY SPLIT, STRAIGHT 6" x 24"		38 L.F.



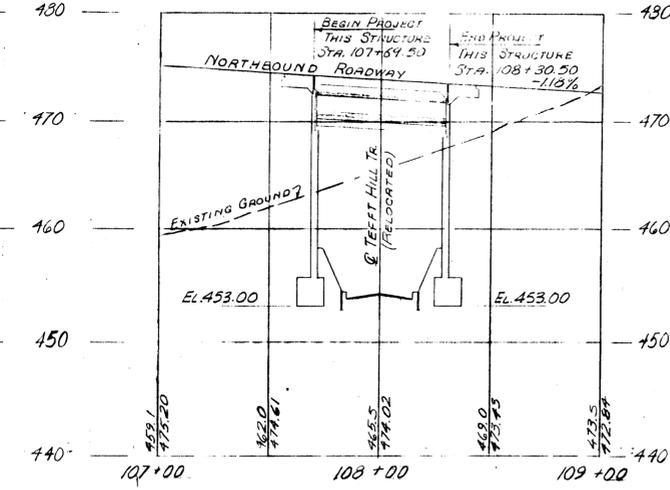
LOCATION PLAN
SCALE: 1" = 2000'



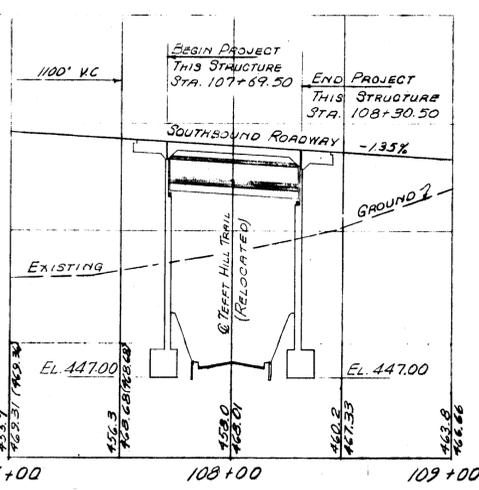
SQUARE LONGITUDINAL SECTION
SCALE: 1" = 20'-0"



PROFILE-TEFFT HILL TRAIL (RELOCATED)



PROFILE-I-95 NORTHBOUND ROADWAY



PROFILE-I-95 SOUTHBOUND ROADWAY

SCALES
HORIZONTAL 1" = 40'
VERTICAL 1" = 8'

REVISIONS		
NO.	DATE	BY

• SCALES AS NOTED

RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES

INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R.I. PROJECT NO. I-95-1(15)9
CONTRACT I

EXETER
RHODE ISLAND

LOCATION PLAN & PROFILE (QUANTITIES)

E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.

DESIGNED BY _____ DRAWN BY G.B.F.F.J.G.
DATE _____ SHEET _____ OF _____

APPROVED _____ SUPERVISING CIVIL ENGINEER
APPROVED _____ CHIEF ENGINEER

FINAL DATE _____

SET NO. _____
PRINTED _____
ISSUED TO _____

American Drilling & Boring Co., Inc.

54 WATER STREET EAST PROVIDENCE, R. I. SHEET 1 OF 1 DATE 7/15/65 HOLE NO. 595-1 LOCATION Richmond-Exeter, RI

Table with columns: GROUND WATER OBSERVATIONS, CASING, SAMPLER, CORE BAR, SURFACE ELEV., DATE STARTED, DATE COMPL., BORING FOREMAN, INSPECTOR, SOILS ENGR.

Table with columns: LOCATION OF BORING, Depth, Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE.

Table with columns: GROUND SURFACE TO, USED, CASING, THEN, Cased ahead to, OER, Refusal, SUMMARY.

American Drilling & Boring Co., Inc.

54 WATER STREET EAST PROVIDENCE, R. I. SHEET 1 OF 1 DATE 7/15/65 HOLE NO. 595-2 LOCATION Exeter-Richmond

Table with columns: GROUND WATER OBSERVATIONS, CASING, SAMPLER, CORE BAR, SURFACE ELEV., DATE STARTED, DATE COMPL., BORING FOREMAN, INSPECTOR, SOILS ENGR.

Table with columns: LOCATION OF BORING, Depth, Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE.

Table with columns: GROUND SURFACE TO, USED, CASING, THEN, Cased ahead to, OER, Refusal, SUMMARY.

American Drilling & Boring Co., Inc.

54 WATER STREET EAST PROVIDENCE, R. I. SHEET 1 OF 1 DATE 7/15/65 HOLE NO. 595-3 LOCATION Exeter-Richmond

Table with columns: GROUND WATER OBSERVATIONS, CASING, SAMPLER, CORE BAR, SURFACE ELEV., DATE STARTED, DATE COMPL., BORING FOREMAN, INSPECTOR, SOILS ENGR.

Table with columns: LOCATION OF BORING, Depth, Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE.

Table with columns: GROUND SURFACE TO, USED, CASING, THEN, Cased ahead to, OER, Refusal, SUMMARY.

American Drilling & Boring Co., Inc.

54 WATER STREET EAST PROVIDENCE, R. I. SHEET 1 OF 1 DATE 7/15/65 HOLE NO. 595-4 LOCATION Exeter-Richmond

Table with columns: GROUND WATER OBSERVATIONS, CASING, SAMPLER, CORE BAR, SURFACE ELEV., DATE STARTED, DATE COMPL., BORING FOREMAN, INSPECTOR, SOILS ENGR.

Table with columns: LOCATION OF BORING, Depth, Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE.

Table with columns: GROUND SURFACE TO, USED, CASING, THEN, Cased ahead to, OER, Refusal, SUMMARY.

BOTTOM OF ABUTMENT FOOTING EL. 453.0 SOUTH ABUTMENT - NORTHBOUND BRIDGE

BOTTOM OF ABUTMENT FOOTING EL. 453.0 NORTH ABUTMENT - NORTHBOUND BRIDGE

NOTES:

- 1. Borings taken for purposes of design and show conditions at boring points only... 2. Water levels indicated were those observed on the dates the borings were taken and may vary. 3. Boring samples may be seen at the State Office Building, Providence, Rhode Island. 4. D** Sample Type Dry - 300 lb. wt. falling 24" on an open end A" Rod Sampler.

E. P. SNOW ASSOCIATES CONSULTING ENGINEERS PROVIDENCE, RHODE ISLAND

Table with columns: REVISIONS, NO., DATE, BY

Form with fields for APPROVED, SUPERVISING CIVIL ENGINEER, PRINTED, ISSUED TO, and other project details.

American Drilling & Boring Co., Inc.
54 WATER STREET EAST PROVIDENCE, R. I.
TO E.P. Snow Assoc. ADDRESS Richmond-Exeter, RI
PROJECT NAME I-95 above LOCATION
REPORT SENT TO above PROJ. NO. 65-121
SAMPLES SENT TO " OUR JOB NO. 65-121

GROUND WATER OBSERVATIONS
At 16' after 1/4 Hours Type S/S S/T
cas. 31'-6" Size I.D. 2 1/2" 1-3/8" 1-3/8"
At after Hours Hammer Wt. 300# 140#
Hammer Fall 24" 30" Diamond

Table with columns: Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE. Includes data for depths 0-16', 16-20', 20-30', 30-40'.

GROUND SURFACE TO 31'6" USED 2 1/2" CASING: THEN C to 36'6"
Sample Type D-Dry C-Cored W-Washed UP-Undisturbed Piston TP-Test Pit A-Auger V-Vane Test UT-Undisturbed Thinwall
Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%
Cohesiveness Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense
Consistency 0-4 Soft 4-8 M/Shift 8-15 Stiff 15-30 V-Stiff
Earth Boring 10' Rock Coring 6' HOLE NO 595-5

American Drilling & Boring Co., Inc.
54 WATER STREET EAST PROVIDENCE, R. I.
TO E.P. Snow Assoc. ADDRESS Richmond-Exeter, RI
PROJECT NAME I-95 above LOCATION
REPORT SENT TO above PROJ. NO. 65-121
SAMPLES SENT TO " OUR JOB NO. 65-121

GROUND WATER OBSERVATIONS
At 18' after 1/4 Hours Type S/S S/T
cas. 32'9" Size I.D. 2 1/2" 1-3/8" 1-3/8"
At after Hours Hammer Wt. 300# 140#
Hammer Fall 24" 30" Diamond

Table with columns: Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE. Includes data for depths 0-18', 18-20', 20-30', 30-40'.

GROUND SURFACE TO 29' USED 2 1/2" CASING: THEN C to 34'
Sample Type D-Dry C-Cored W-Washed UP-Undisturbed Piston TP-Test Pit A-Auger V-Vane Test UT-Undisturbed Thinwall
Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%
Cohesiveness Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense
Consistency 0-4 Soft 4-8 M/Shift 8-15 Stiff 15-30 V-Stiff
Earth Boring 9' Rock Coring 5' HOLE NO 595-6

American Drilling & Boring Co., Inc.
54 WATER STREET EAST PROVIDENCE, R. I.
TO E.P. Snow Assoc. ADDRESS Richmond-Exeter, RI
PROJECT NAME I-95 above LOCATION
REPORT SENT TO above PROJ. NO. 65-121
SAMPLES SENT TO " OUR JOB NO. 65-121

GROUND WATER OBSERVATIONS
At 15' after 1/4 Hours Type S/S S/T
cas. 32'5" Size I.D. 2 1/2" 1-3/8" 1-3/8"
At after Hours Hammer Wt. 300# 140#
Hammer Fall 24" 30" Diamond

Table with columns: Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE. Includes data for depths 0-15', 15-20', 20-30', 30-40'.

GROUND SURFACE TO 38' USED 2 1/2" CASING: THEN Cored to 43'
Sample Type D-Dry C-Cored W-Washed UP-Undisturbed Piston TP-Test Pit A-Auger V-Vane Test UT-Undisturbed Thinwall
Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%
Cohesiveness Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense
Consistency 0-4 Soft 4-8 M/Shift 8-15 Stiff 15-30 V-Stiff
Earth Boring 38' Rock Coring 8' HOLE NO 595-7

American Drilling & Boring Co., Inc.
54 WATER STREET EAST PROVIDENCE, R. I.
TO E.P. Snow Assoc. ADDRESS Richmond-Exeter, RI
PROJECT NAME I-95 above LOCATION
REPORT SENT TO above PROJ. NO. 65-121
SAMPLES SENT TO " OUR JOB NO. 65-121

GROUND WATER OBSERVATIONS
At 10'6" after 1/4 Hours Type S/S S/T
cas. 320" Size I.D. 2 1/2" 1-3/8" 1-3/8"
At after Hours Hammer Wt. 300# 140#
Hammer Fall 24" 30" Diamond

Table with columns: Casing, Sample, Type, Blows per 6", Moisture Density, Strata Change, SOIL IDENTIFICATION, SAMPLE. Includes data for depths 0-10', 10-20', 20-30', 30-40'.

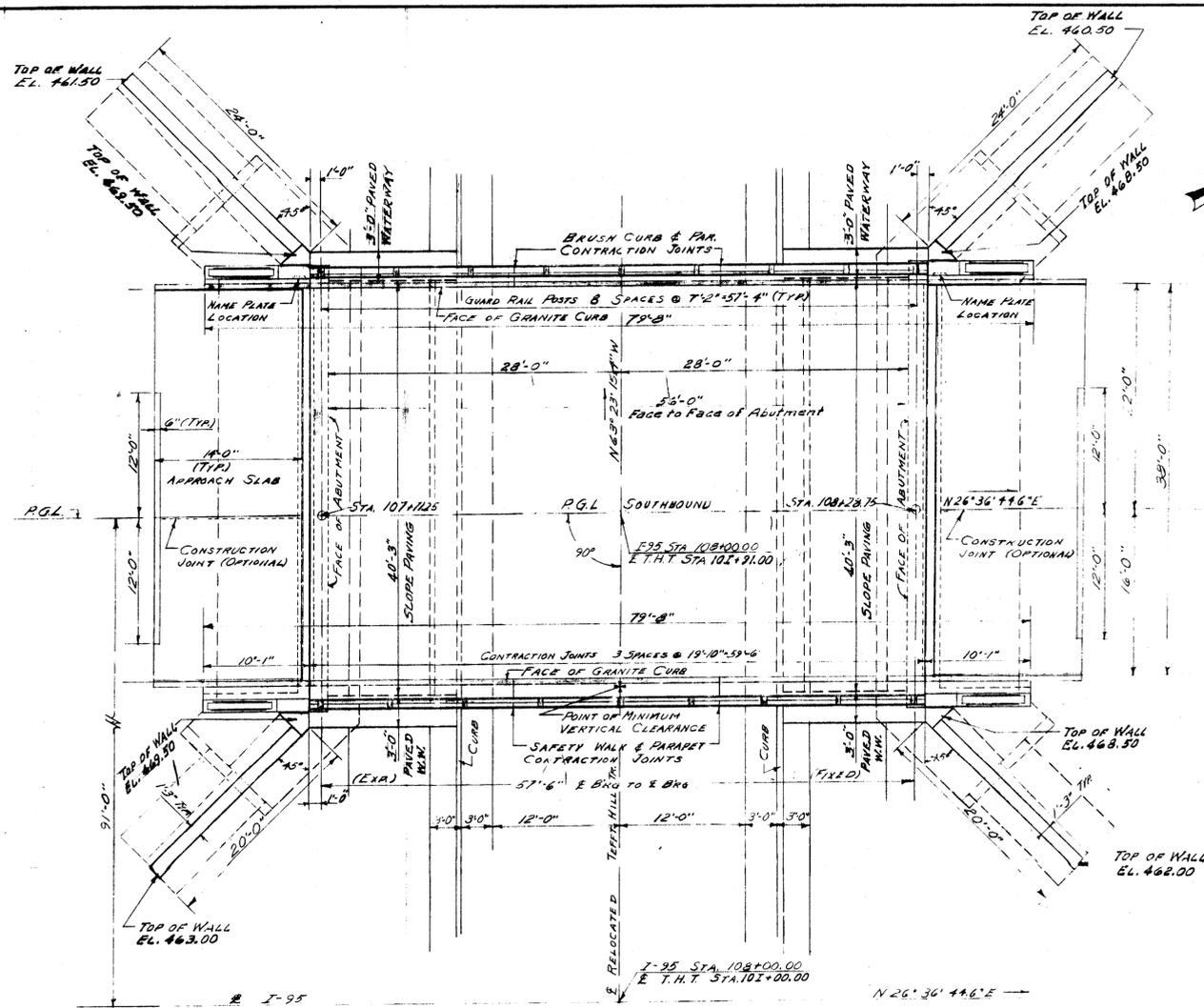
GROUND SURFACE TO 33' USED 2 1/2" CASING: THEN C to 38'
Sample Type D-Dry C-Cored W-Washed UP-Undisturbed Piston TP-Test Pit A-Auger V-Vane Test UT-Undisturbed Thinwall
Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%
Cohesiveness Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense
Consistency 0-4 Soft 4-8 M/Shift 8-15 Stiff 15-30 V-Stiff
Earth Boring 33' Rock Coring 8' HOLE NO 595-8

BOTTOM OF ABUTMENT FOOTING EL. 441.0
NORTH ABUTMENT - SOUTHBOUND BRIDGE

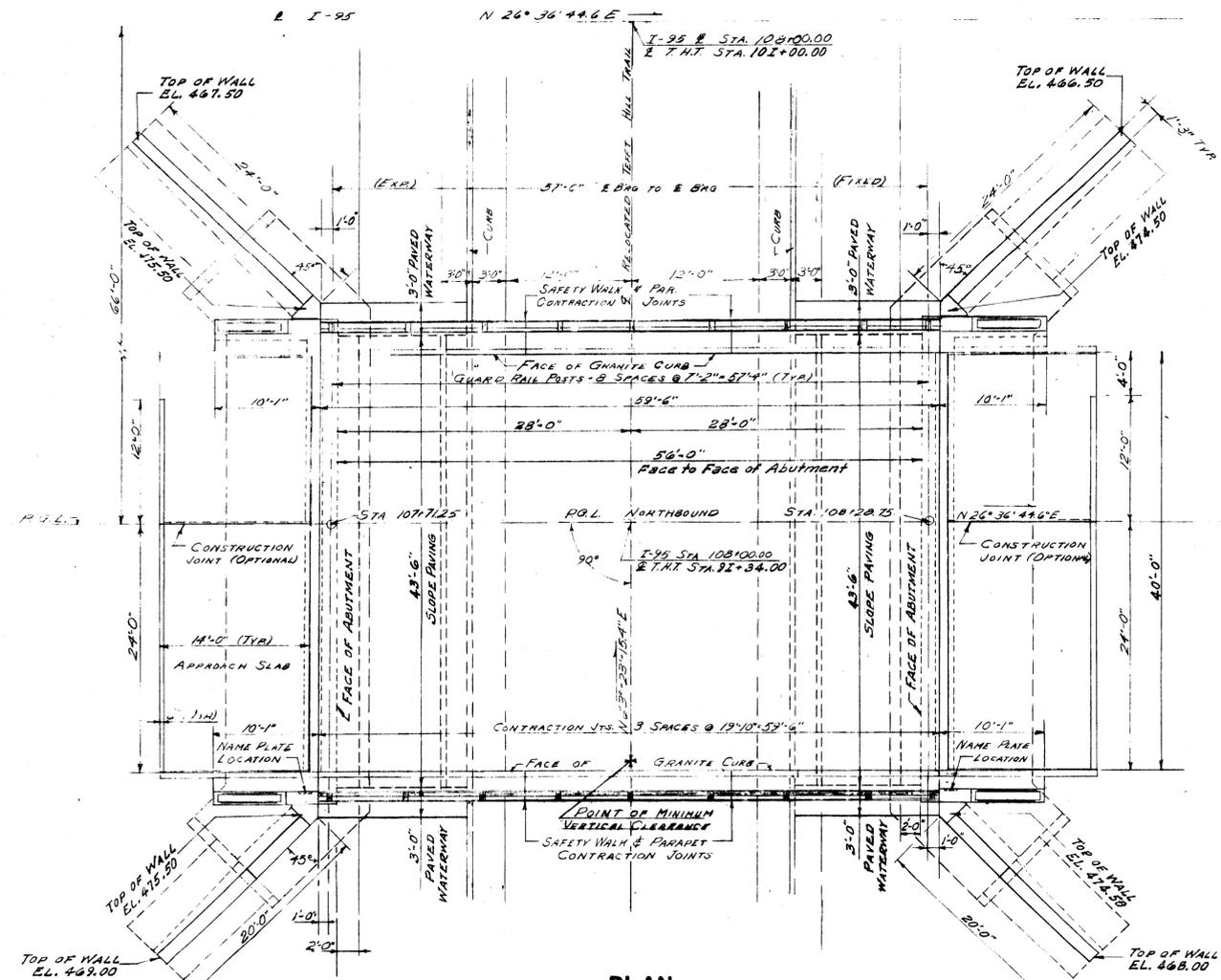
BOTTOM OF ABUTMENT FOOTING EL. 441.0
SOUTH ABUTMENT - SOUTHBOUND BRIDGE

- NOTES:
1. Borings taken for purposes of design and show conditions at boring points only, but do not necessarily show the nature of materials to be encountered in connection with construction of the bridge.
2. Water levels indicated were those observed on the dates the borings were taken and may vary.
3. Boring samples may be seen at the State office Building, Providence, Rhode Island.
4. D** Sample Type Dry - 300 lb. wt. falling 24' on an open end "A" Rod Sampler.

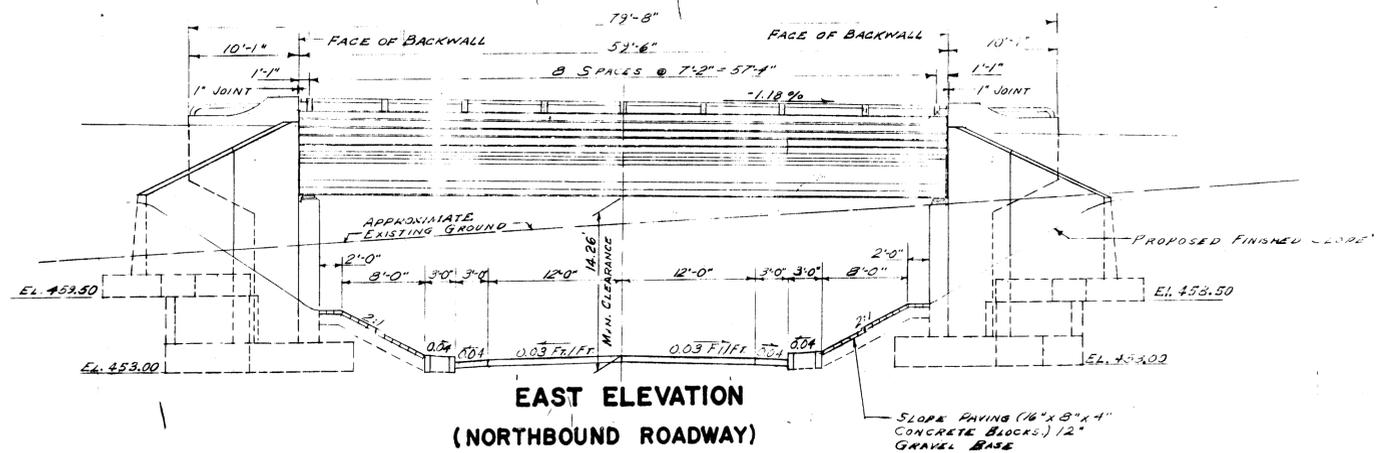
REVISIONS table with columns NO., DATE, BY.
RHODE ISLAND DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R.I. PROJECT NO. I-95-1(15)9
CONTRACT I
EXETER RHODE ISLAND
BORING LOGS
E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.
APPROVED SUPERVISING CIVIL ENGINEER
DESIGNED BY DRAWN BY DATE SHEET OF
APPROVED CHIEF ENGINEER
PRINTED
ISSUED TO



PLAN
(SOUTHBOUND ROADWAY)



PLAN
(NORTHBOUND ROADWAY)



EAST ELEVATION
(NORTHBOUND ROADWAY)

- NOTES:**
1. FOR DECK JOINT DETAILS AT ABUTMENTS SEE MISCELLANEOUS DETAILS SHEET NO. B40
 2. FOR SAFETY WALK & BRUSH CURB CONTRACTION JOINT DETAIL SEE MISCELLANEOUS DETAILS NO. B39
 3. FOR PARAPET CONTRACTION JOINT DETAIL SEE MISCELLANEOUS DETAILS SHEET NO. B39
 4. FOR SLOPE PAVING DETAIL SEE SHEET NO. B42
 5. FOR RAILING DETAILS SEE SHEET NO. B42
 6. ALL EXPOSED EDGES OF CONCRETE TO HAVE 3/4\"/>

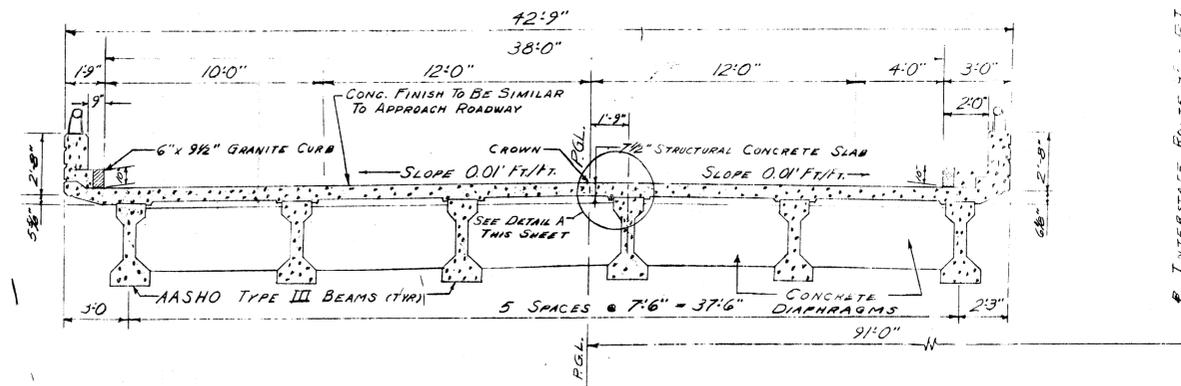
REVISIONS		
NO.	DATE	BY

SCALE 1/8" = 1'-0"

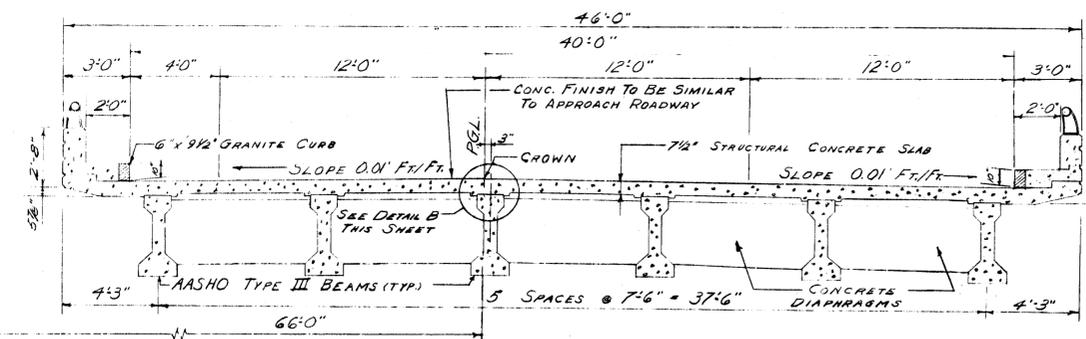
RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R.I. PROJECT NO. 1-95-1(15)9 CONTRACT I
EXETER RHODE ISLAND

GENERAL PLAN & ELEVATION

E. P. SNOW ASSOCIATES CONSULTING ENGINEERS PROVIDENCE, R. I.		SET NO. <input type="text"/>
DESIGNED BY	DRAWN BY G. U. B.	APPROVED SUPERVISING CIVIL ENGINEER PRINTED
DATE	SHEET OF	APPROVED CHIEF ENGINEER ISSUED TO
		FINAL DATE



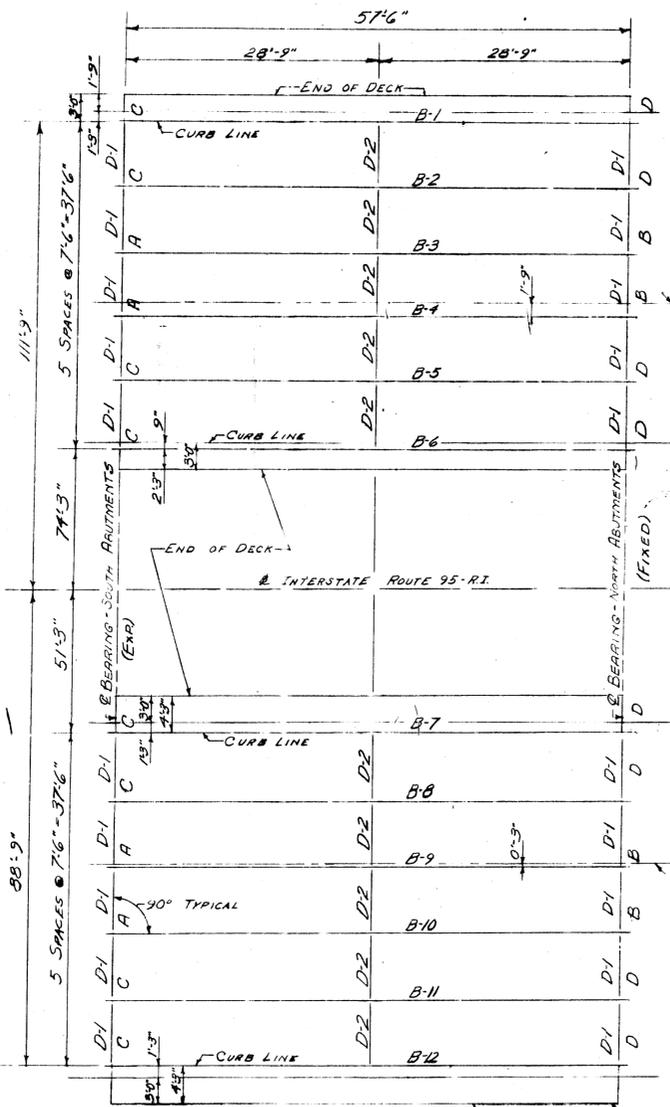
SOUTHBOUND



NORTHBOUND

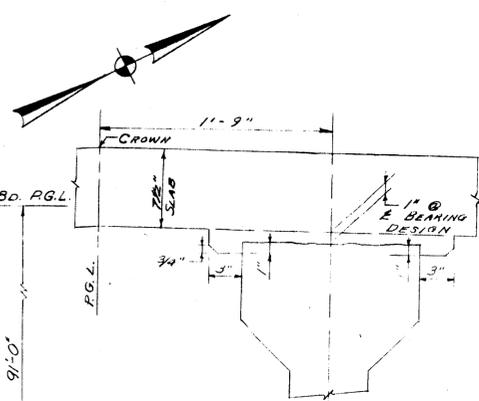
TYPICAL CROSS SECTION

SCALE: 1/4" = 1'-0"



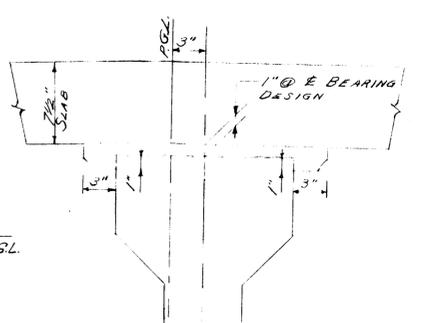
FRAMING PLAN

SCALE: 1" = 10'-0"



DETAIL A

SCALE: 1/2" = 1'



DETAIL B

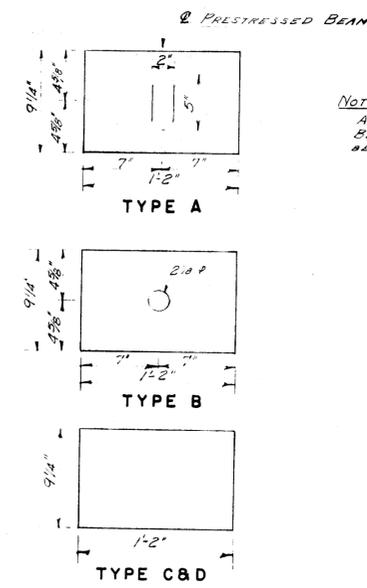
SCALE: 1/2" = 1'

NOTE:
FOR DETAIL OF HAUNCH & DIAPHRAGM AT E BEARING SEE SHEET NO. B33

ELEVATION		ELEVATION		ELEVATION	
BEARING	SPAN	BEARING	SPAN	BEARING	SPAN
469.17 (467.43)	.020	467.50 (467.71)	B-1	467.41 (466.70)	
468.27 (467.56)	.030	467.88 (467.19)	B-2	467.49 (466.75)	
468.34 (467.55)	.030	467.95 (467.25)	B-3	467.56 (466.85)	
468.38 (467.57)	.030	467.99 (467.30)	B-4	467.60 (466.89)	
468.5 (467.58)	.030	467.92 (467.23)	B-5	467.53 (466.82)	
468.55 (467.59)	.027	467.82 (467.15)	B-6	467.45 (466.74)	
474.2 (473.50)	.034	473.87 (473.16)	B-7	473.53 (472.82)	
474.21 (473.50)	.030	473.11 (473.24)	B-8	473.61 (472.70)	
474.36 (473.55)	.030	474.02 (473.33)	B-9	473.68 (472.77)	
474.28 (473.57)	.030	473.94 (473.25)	B-10	473.60 (472.69)	
474.31 (473.55)	.030	473.81 (473.18)	B-11	473.53 (472.62)	
474.13 (473.55)	.034	473.79 (473.10)	B-12	473.45 (472.74)	

DECK GRADES

SCALE: 1" = 10'-0"



ELASTOMERIC BEARINGS

SCALE: 1/2" = 1'-0"

NOTE:
ALL ELASTOMERIC BEARING PADS TO BE 1/4" THICK.

TYPE	NO.	ELASTOMERIC BRG. SIZE	TRANSVERSE MOVEMENT	LONGITUDINAL MOVEMENT	ANCHOR DOWEL DIA.	DUROMETER
A	4	14" x 9 1/4" x 3/4"	No	Yes	1 3/4"	60
B	4	14" x 9 1/4" x 3/4"	No	No	2"	70
C	8	14" x 9 1/4" x 3/4"	Yes	Yes	—	60
D	8	14" x 9 1/4" x 3/4"	Yes	No	—	70

- NOTES:
- ELEVATIONS ARE GIVEN FOR EACH BEAM AT E BEARING & SPAN.
 - FIGURES IN PARENTHESES ARE THEORETICAL ELEVATIONS AT THE TOP OF BEAMS AFTER BEAMS AND CONCRETE DIAPHRAGMS ARE IN PLACE.
 - OTHER FIGURES ARE FINAL GRADES ON TOP OF CONCRETE DECK SLAB.
 - FIGURES IN RECTANGLE ARE DEAD LOAD DEFLECTIONS DUE TO THE CONCRETE DECK, SAFETY WALK & BRUSH CURB.

REVISIONS		
NO.	DATE	BY

SCALES AS NOTED

RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES

INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R. I. PROJECT NO. 1-95-1 (15)9
CONTRACT 1

EXETER
RHODE ISLAND

TYPICAL CROSS SECTION
FRAMING PLAN &
DECK GRADES

E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.

DESIGNED BY _____ DATE _____

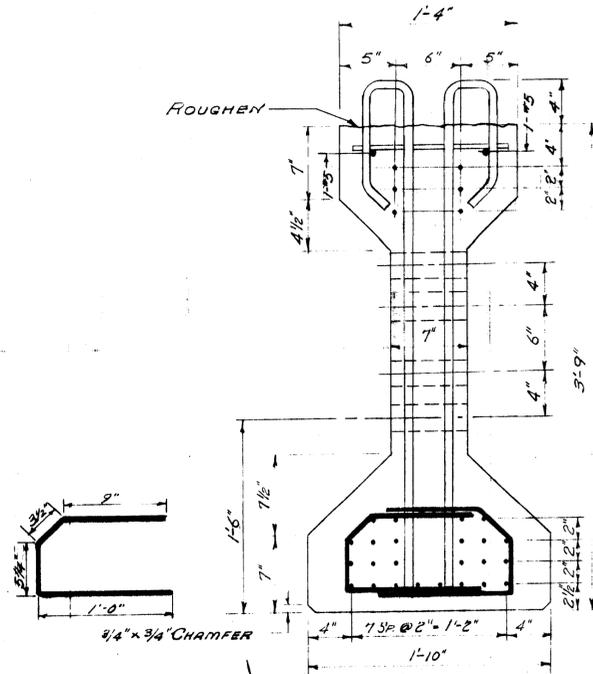
DRAWN BY G. J. B. SHEET _____ OF _____

APPROVED: _____
SUPERVISING CIVIL ENGINEER PRINTED _____

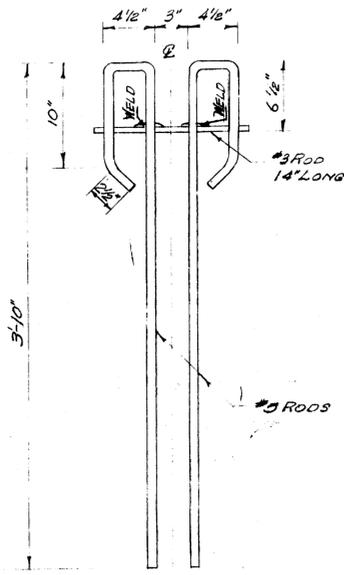
APPROVED: _____
CHIEF ENGINEER ISSUED TO _____

FINAL DATE _____

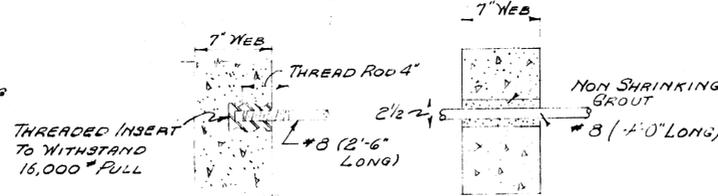
SET NO. _____



**PRESTRESSED CONCRETE BEAM
TYPE III (AASHTO)**
SCALE: 1/2" = 1'-0"

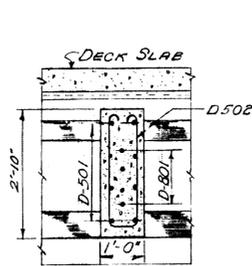


TYPICAL STIRRUP
SCALE: 1/2" = 1'-0"

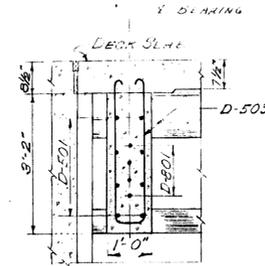


**TRANSVERSE RODS
AT EXTERIOR BEAMS**
SCALE 1/2" = 1'-0"

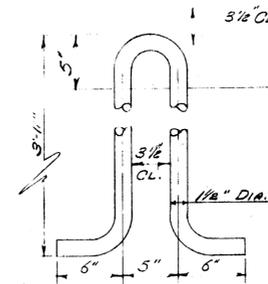
**TRANSVERSE RODS
AT INTERIOR BEAMS**
SCALE 1/2" = 1'-0"



SECTION AA
SCALE 1/2" = 1'-0"



SECTION BB
SCALE 1/2" = 1'-0"

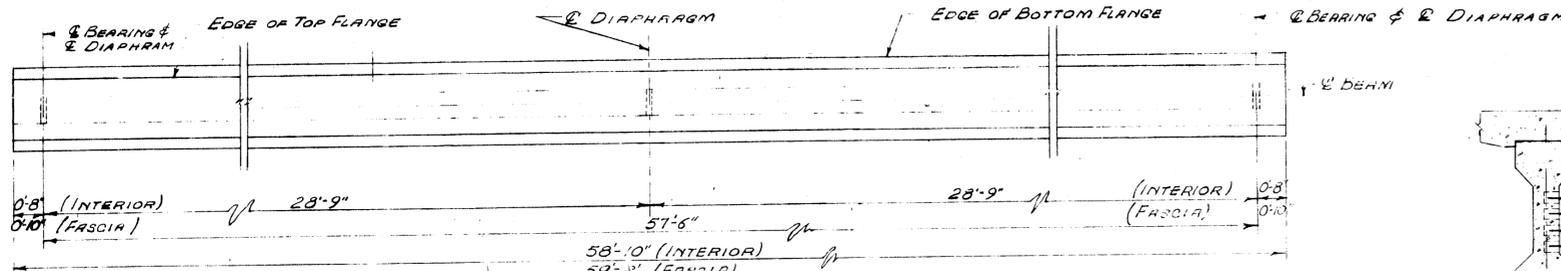


LIFT HOOK DETAIL
SCALE 1/2" = 1'-0"

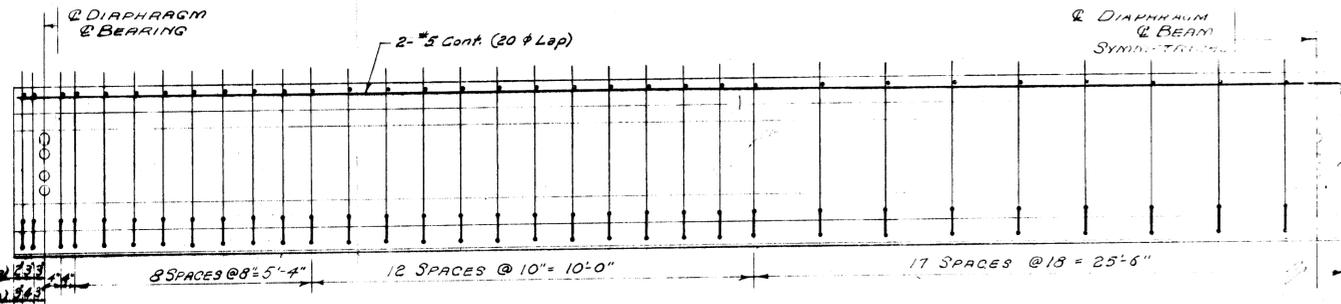
PRESTRESS CONCRETE NOTES

1. THE DESIGN AND CONSTRUCTION OF PRESTRESSED CONCRETE BEAMS IS IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" A.A.S.H.O. 1961 AND LATEST ADDENDA AND "TENTATIVE STANDARDS" FOR PRESTRESSED CONCRETE PILES, SLABS, I-BEAMS, AND BOX BEAMS FOR BRIDGES.
2. MAXIMUM SIZE OF AGGREGATE SHALL BE ONE INCH
3. CONCRETE FOR PRESTRESSED BEAMS SHALL HAVE A 28-DAY CYLINDER STRENGTH OF NOT LESS THAN 5000 P.S.I. AND NOT LESS THAN 4,000 P.S.I. AT THE TIME OF PRESTRESSING.
4. FINAL STRESSES IN CONCRETE DUE TO ALL FORCES SHALL NOT EXCEED 2,000 P.S.I. IN COMPRESSION AND 212 P.S.I. IN TENSION EXCEPT AT THE SUPPORTS WHERE ONLY UP TO 150 P.S.I. OF TENSION IN THE TOP FLANGE IS ALLOWED WITHOUT PROVIDING STANDARD REINFORCEMENT.
5. PRESTRESSING STEEL SHALL BE STRESSED AS FOLLOWS:

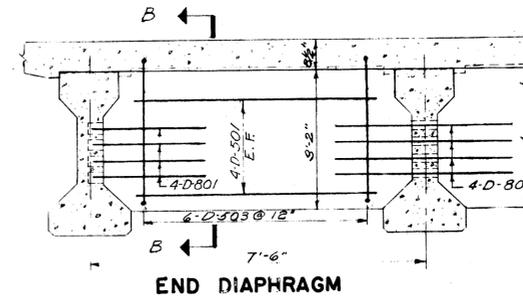
SIZE	INITIAL	FINAL EFFECTIVE
1/2"	25.2 K	20.16 K
6. STIRRUPS AND RODS SHALL BE OF INTERMEDIATE GRADE DEFORMED STEEL REINFORCEMENT (F_s = 20,000 P.S.I.)
7. LIFTING HOOKS AT THE ENDS OF THE BEAMS SHALL BE MADE OF ONE, ONE AND ONE HALF INCH DIAMETER STEEL ROD PLACED AT EACH END OF THE BEAMS. NO MORE THAN TWO LIFTING HOOKS PER BEAM MAY BE EMPLOYED WITHOUT THE CONSENT OF THE ENGINEER.
8. ALL PRESTRESSING STEEL AND REINFORCING RODS SHALL BE SECURELY TIED TO PREVENT DISLOCATION
9. THE INSIDE SURFACE OF THE DIAPHRAGM HOLES SHALL BE LEFT ROUGH SO THAT BOND CAN BE DEVELOPED BETWEEN THE GROUT, REINFORCEMENT, AND THE CONCRETE OF THE BEAMS.
10. PRETENSIONED STRANDS SHOULD BE RELEASED IN PAIRS SYMMETRICALLY ABOUT THE VERTICAL AXIS OF THE BEAM TO AVOID ECCENTRICITY.



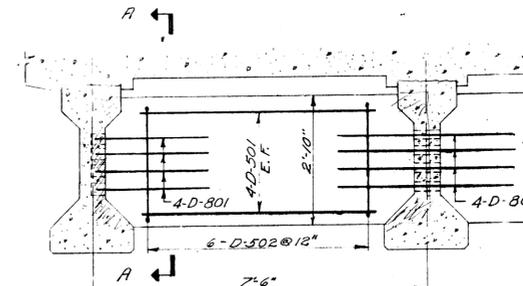
PLAN OF BEAM



**HALF LONGITUDINAL ELEVATION
BEAM STIRRUP SPACING**
SCALE: 1/2" = 1'-0"



END DIAPHRAGM



**INTERMEDIATE DIAPHRAGM
DIAPHRAGM ELEVATIONS**
SCALE 1/2" = 1'-0"

PRESTRESS FORCES		
STRAND PATTERN	TOTAL EFFECTIVE PRESTRESS FORCE	ECCENTRICITY (INCHES)
30-1/2"	604.8 K	8.47

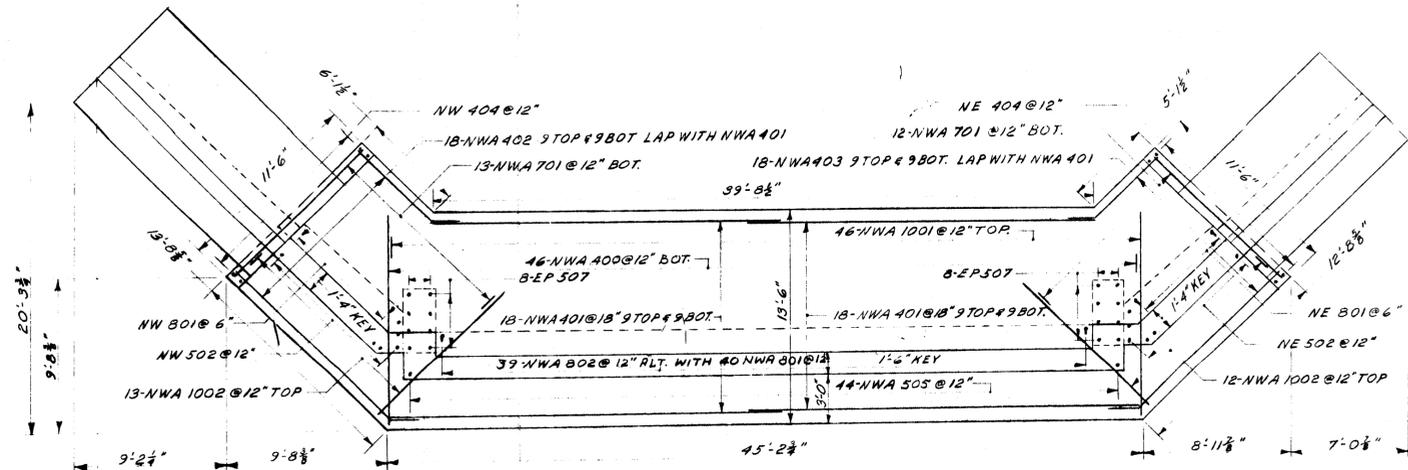
REVISIONS		
NO.	DATE	BY

SCALES AS NOTED

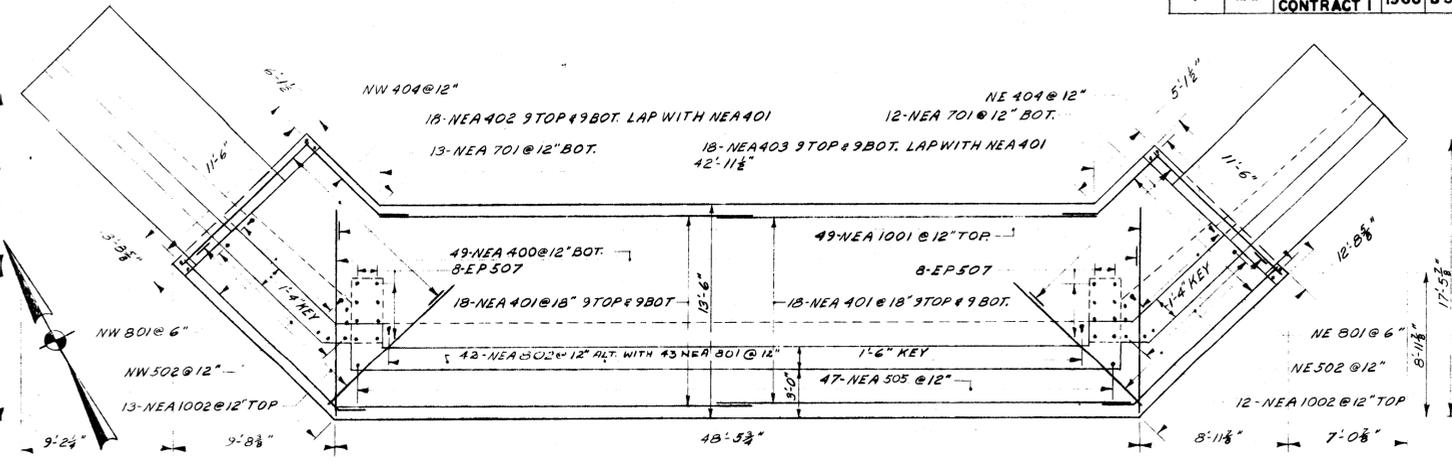
RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R.I. PROJECT NO. 1-95-1(15)9
CONTRACT 1
EXETER RHODE ISLAND

PRESTRESSED BEAMS

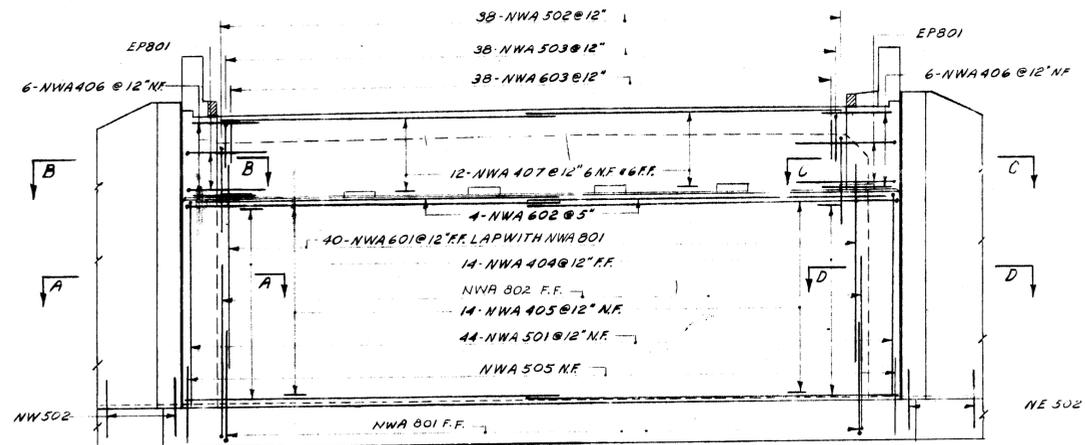
E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.
DESIGNED BY DATE DRAWN BY F.J.G. SHEET OF FINAL DATE
APPROVED SUPERVISING CIVIL ENGINEER PRINTED
APPROVED CHIEF ENGINEER ISSUED TO



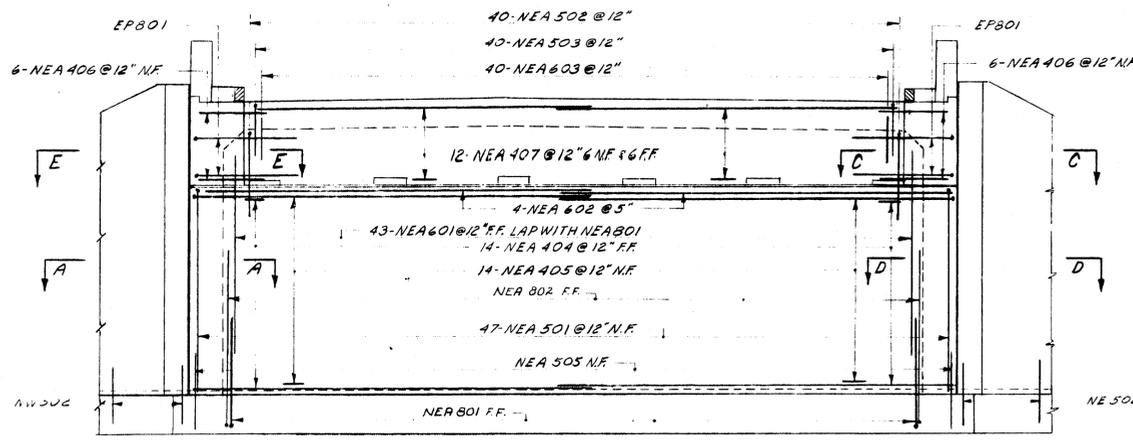
FOOTING PLAN



FOOTING PLAN

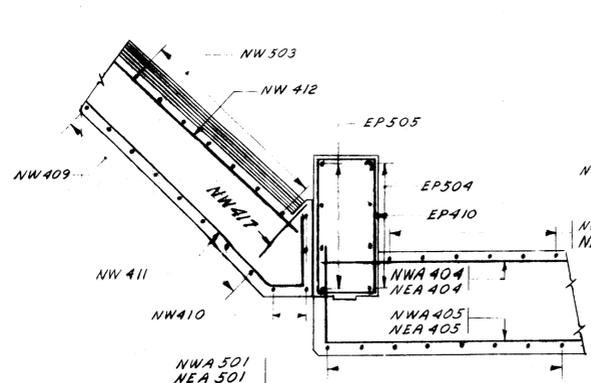


ELEVATION NORTHWEST ABUTMENT

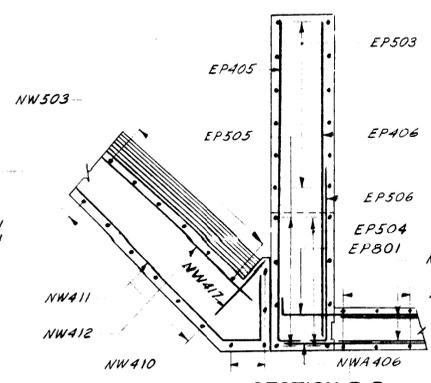


ELEVATION NORTHEAST ABUTMENT

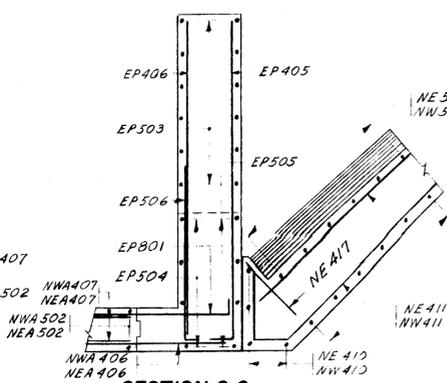
FOR ABUTMENT SECTION SEE SHEET B 37.



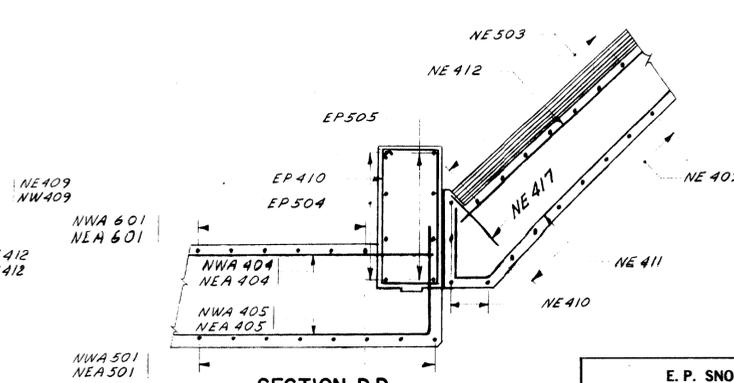
SECTION A-A SCALE 3/8"=1'-0"



SECTION B-B SCALE 3/8"=1'-0"



SECTION C-C SCALE 3/8"=1'-0"



SECTION D-D SCALE 3/8"=1'-0"

REVISIONS		
NO.	DATE	BY

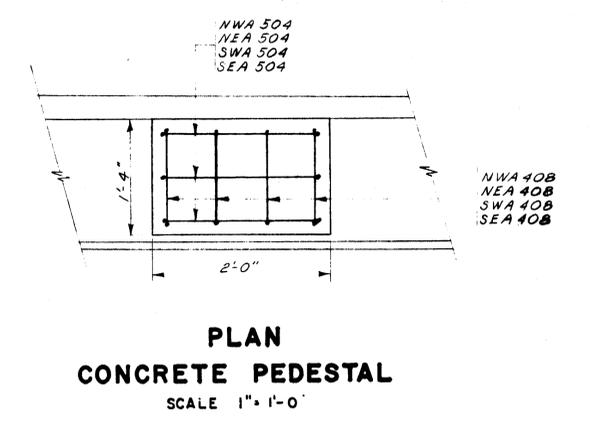
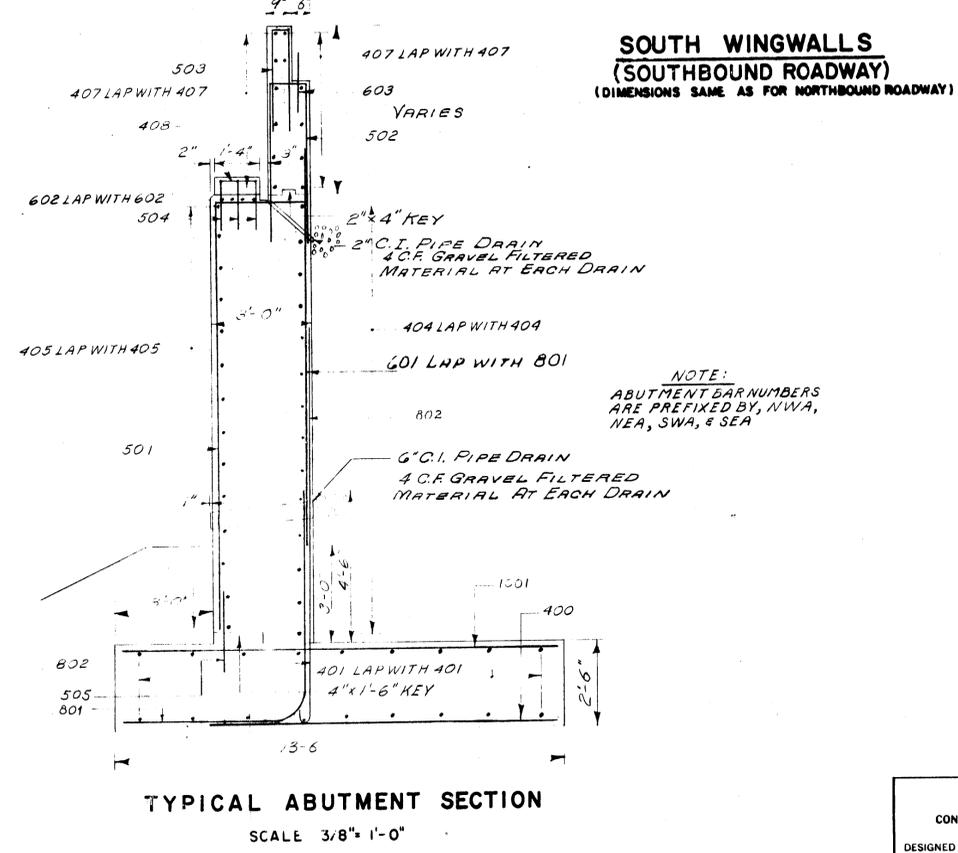
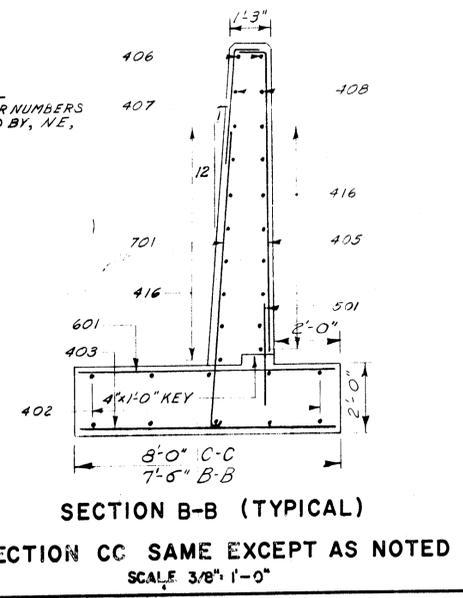
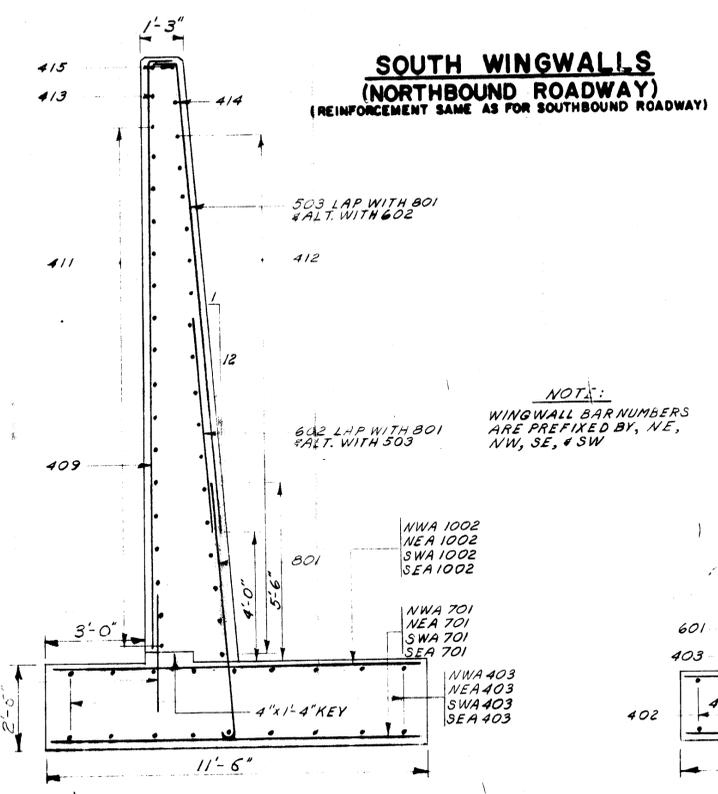
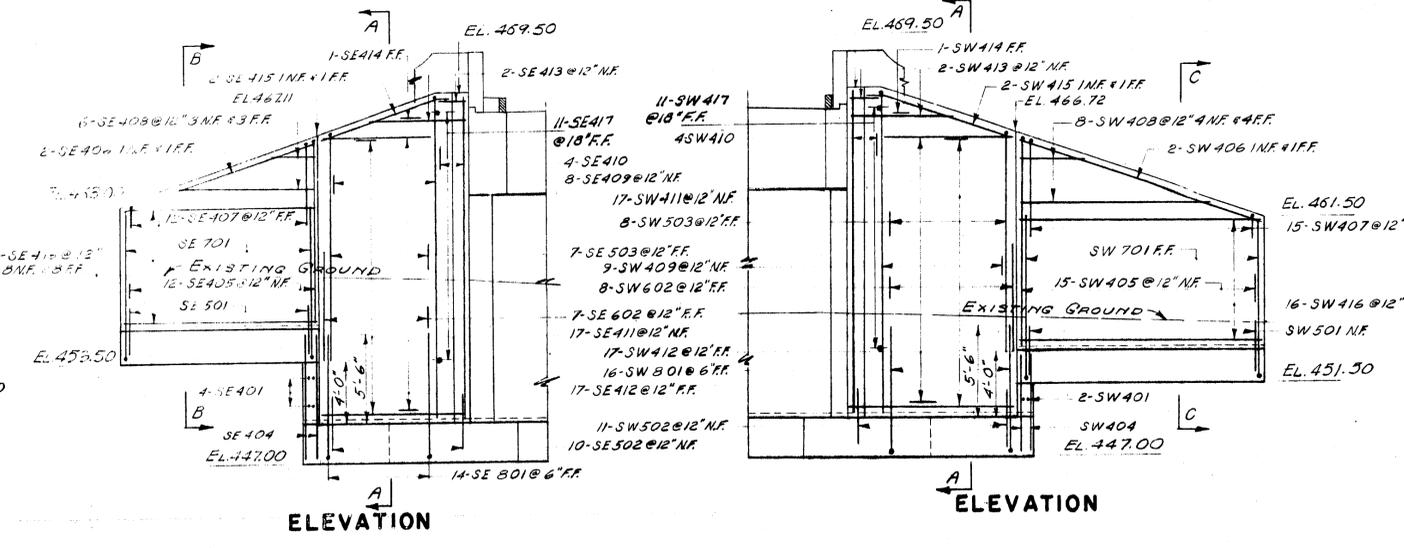
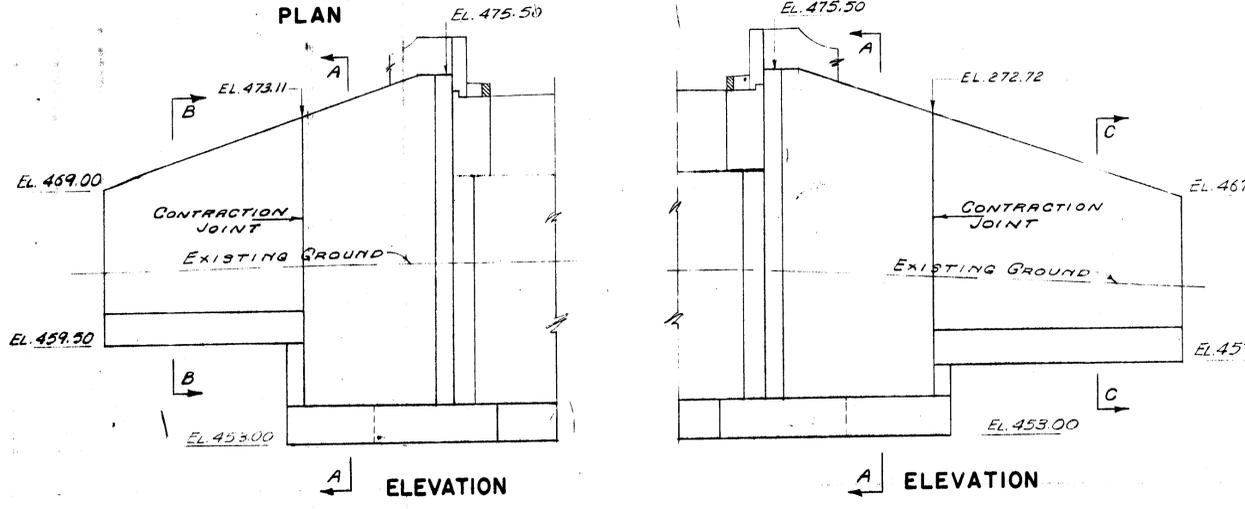
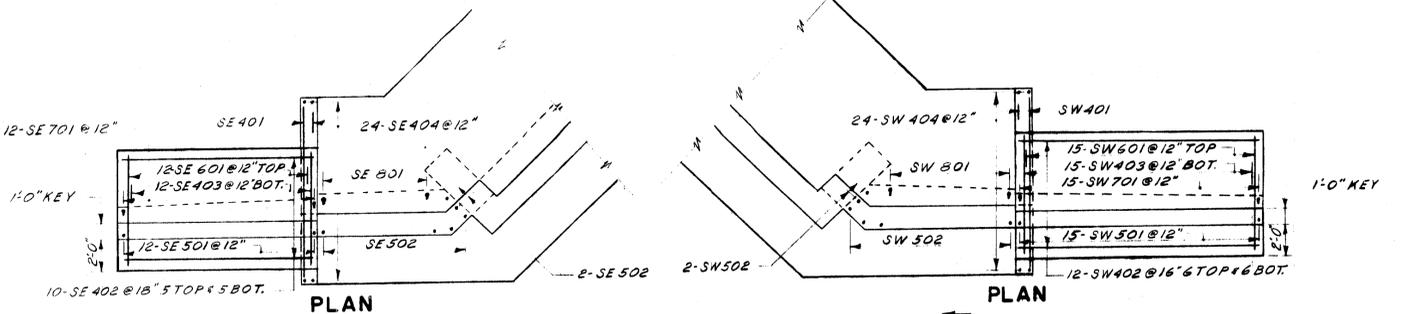
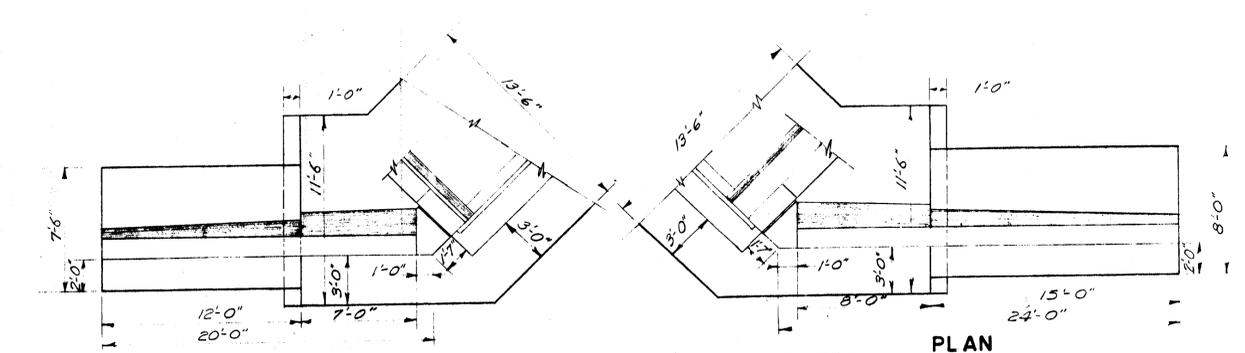
SCALE: 3/16"=1'-0" EXCEPT AS NOTED

RHODE ISLAND
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
 R. I. PROJECT NO. 1-95-1(15)9
 CONTRACT 1
 EXETER RHODE ISLAND

NORTH ABUTMENTS REINFORCEMENT

E. P. SNOW ASSOCIATES
 CONSULTING ENGINEERS PROVIDENCE, R. I.
 DESIGNED BY E.H.K. DRAWN BY E.H.K.
 DATE SHEET OF

APPROVED: _____ SET NO. _____
 SUPERVISING CIVIL ENGINEER PRINTED
 APPROVED: _____ ISSUED TO _____
 CHIEF ENGINEER
 FINAL DATE



REVISIONS		
NO.	DATE	BY

SCALE 3/16" = 1'-0" EXCEPT AS NOTED

RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES

**INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE**

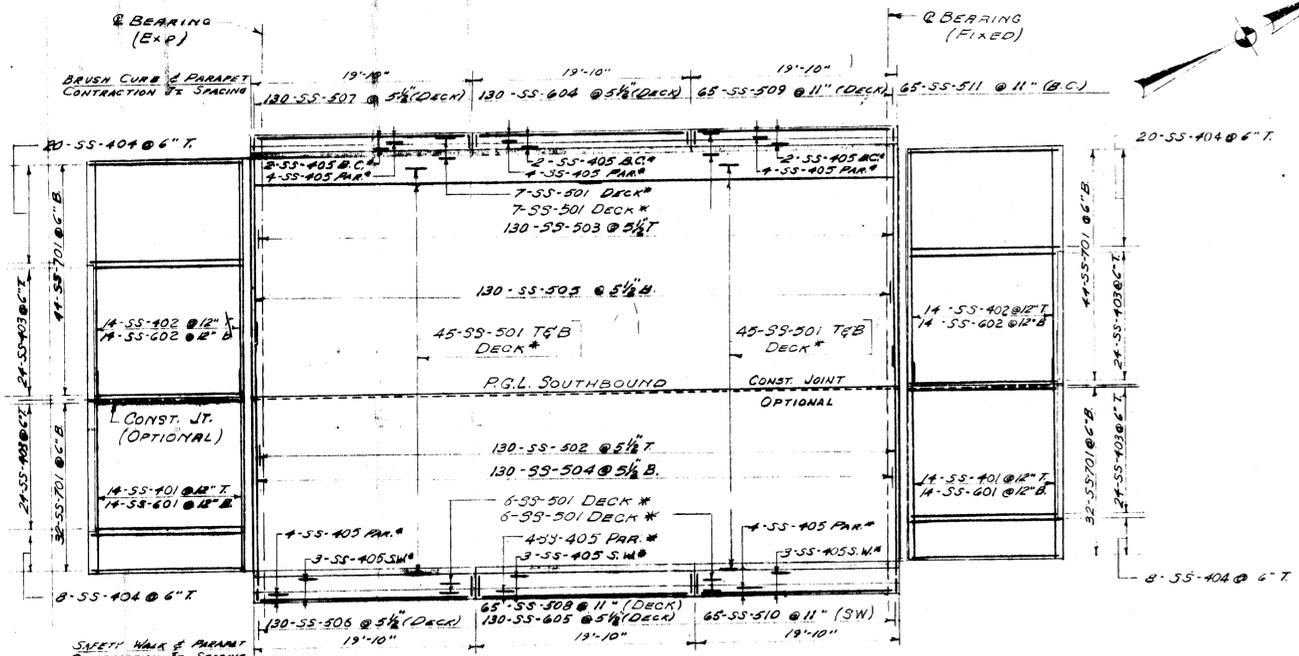
R.I. PROJECT NO I-95-1(15)9 CONTRACT 1
EXETER RHODE ISLAND

**SOUTH WINGWALLS
OUTLINE & REINFORCEMENT**

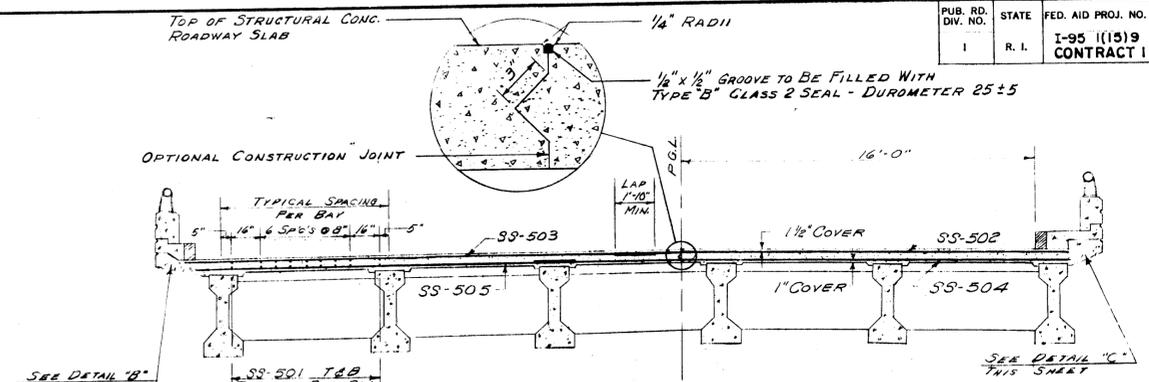
E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.

DESIGNED BY E.H.K. DRAWN BY E.H.K.
DATE SHEET OF

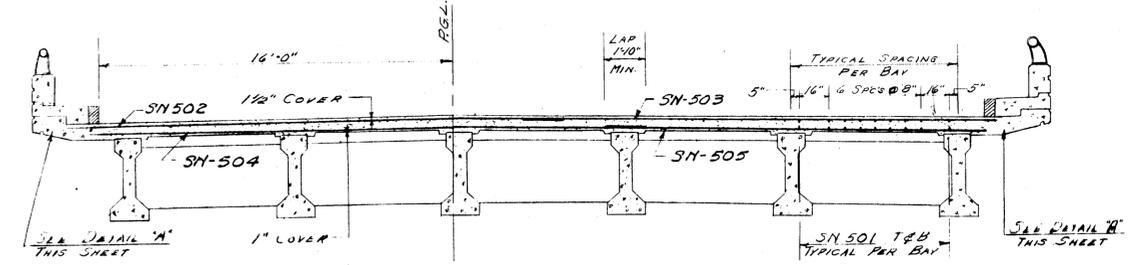
APPROVED SUPERVISING CIVIL ENGINEER PRINTED
APPROVED CHIEF ENGINEER ISSUED TO
FINAL DATE



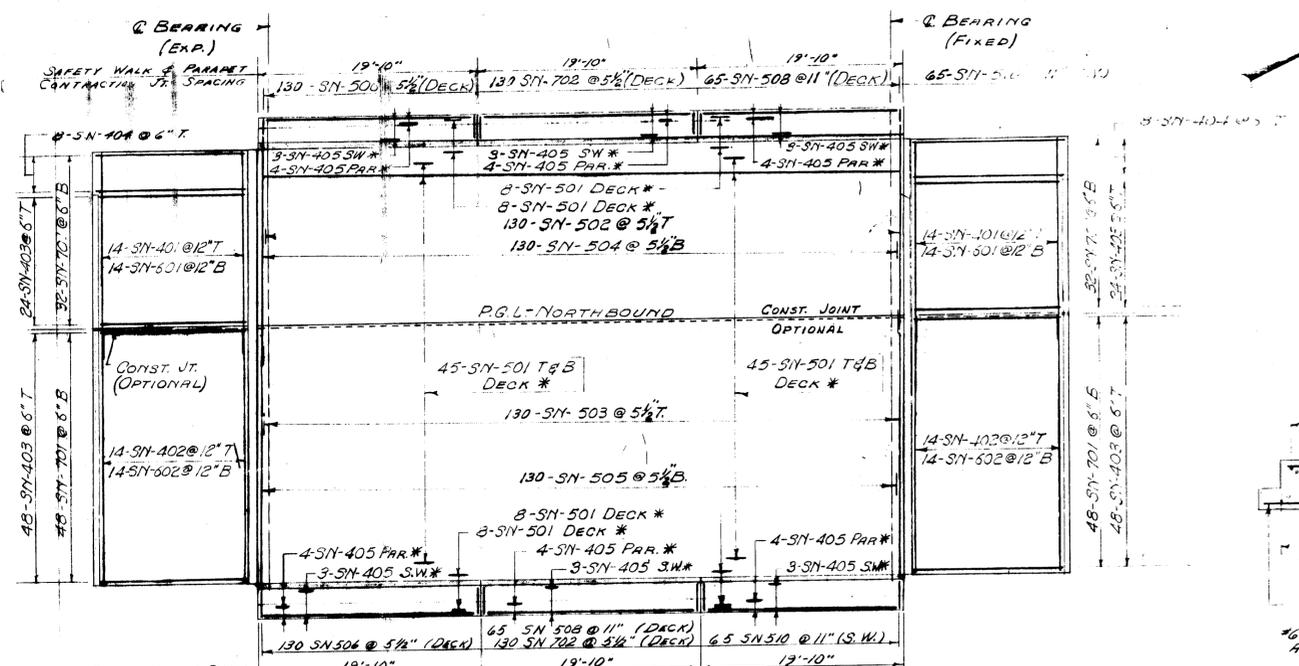
PLAN (SOUTHBOUND ROADWAY)
SCALE: 1/8" = 1'-0"



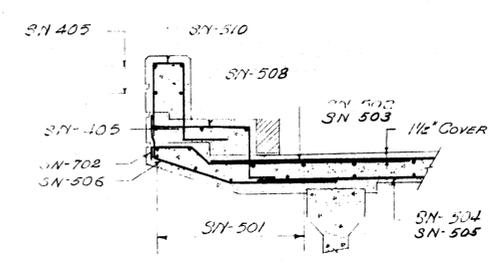
TYPICAL CROSS SECTION (SOUTHBOUND ROADWAY)
SCALE: 1/4" = 1'-0"



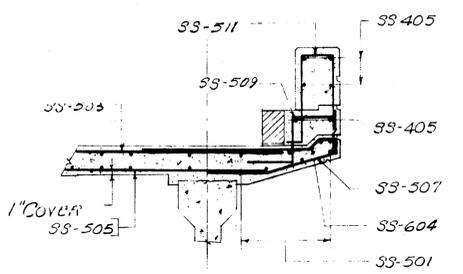
TYPICAL CROSS SECTION (NORTHBOUND ROADWAY)
SCALE: 1/4" = 1'-0"



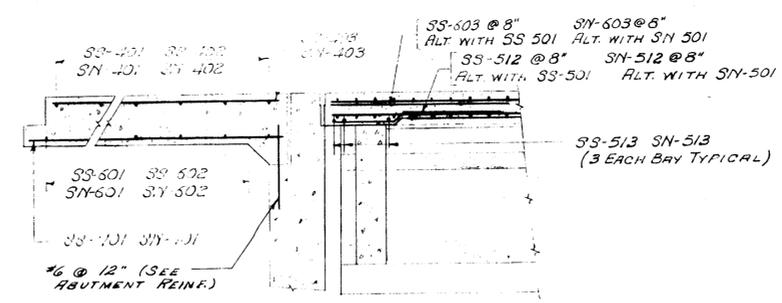
PLAN (NORTHBOUND ROADWAY)
SCALE: 1/8" = 1'-0"



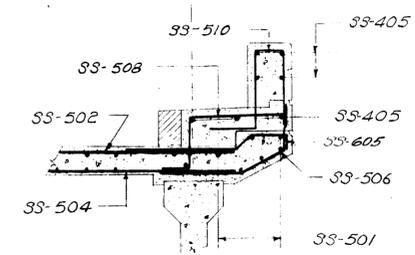
DETAIL A
SCALE: 1/2" = 1'-0"



DETAIL B
SCALE: 1/2" = 1'-0"



TYPICAL SECTION AT ABUTMENT
SCALE: 1/2" = 1'-0"



DETAIL C
SCALE: 1/2" = 1'-0"

NOTES:
1. ALL BARS TO HAVE 2" COVER EXCEPT AS NOTED
2. * DENOTES REINFORCEMENT AS SPACED ON TYPICAL CROSS SECTIONS. BARS IN PARAPETS ARE TO BE PLACED TO CLEAR RAILING ANCHOR BOLTS.

REVISIONS		
NO.	DATE	BY

SCALES AS NOTED

RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES

INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R. I. PROJECT NO. I-95-1(15)9
CONTRACT I

EXETER
RHODE ISLAND

DECK & APPROACH SLAB REINFORCEMENT

E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.

DESIGNED BY
DATE

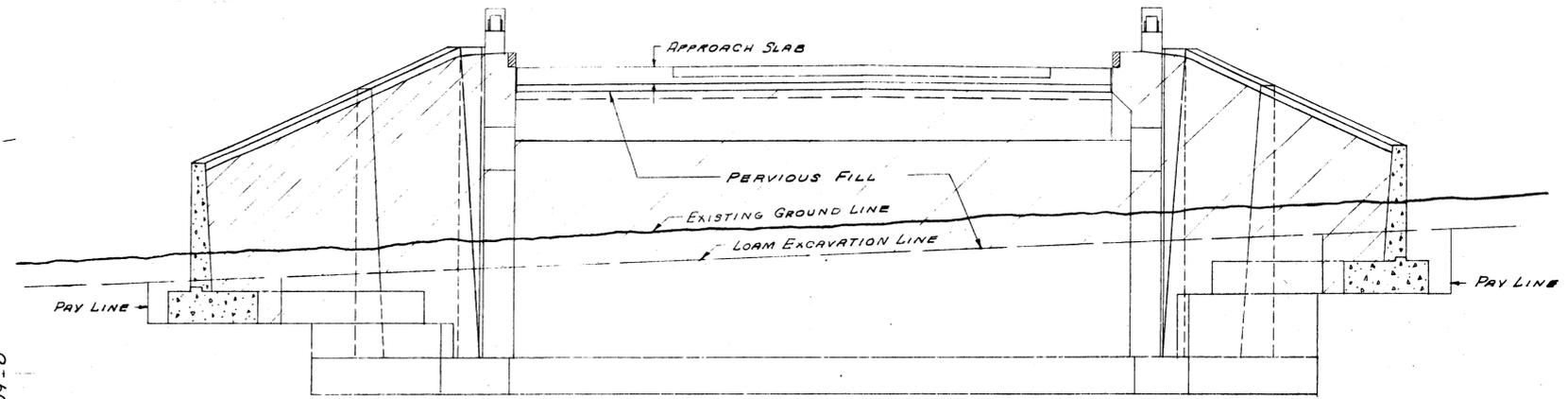
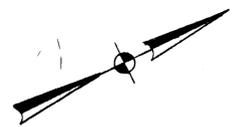
DRAWN BY F.J.G. & G.W.B.
SHEET OF

SET NO.

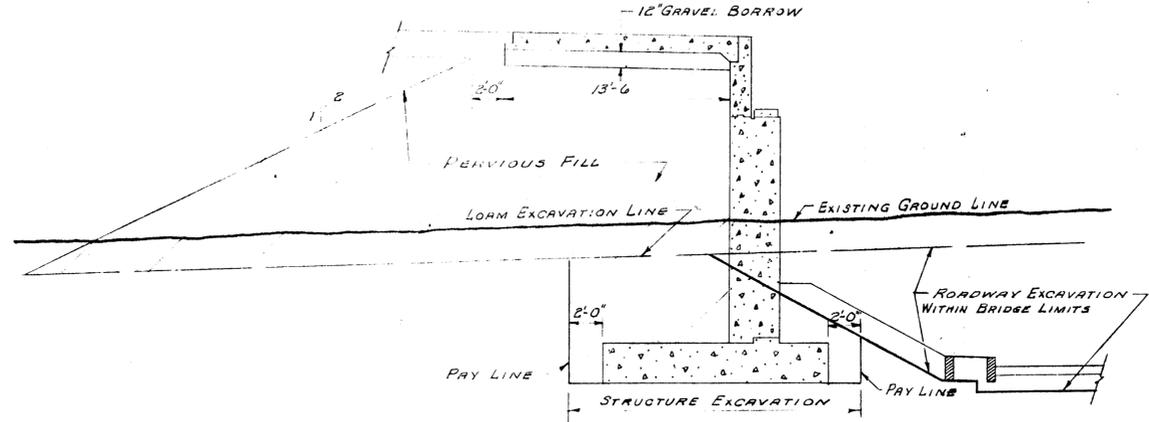
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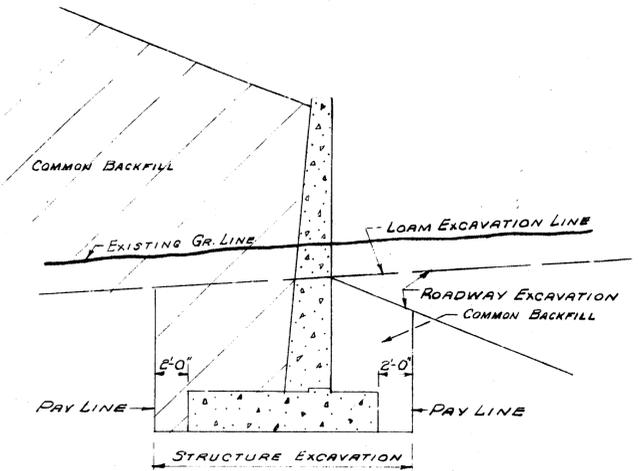
FINAL DATE



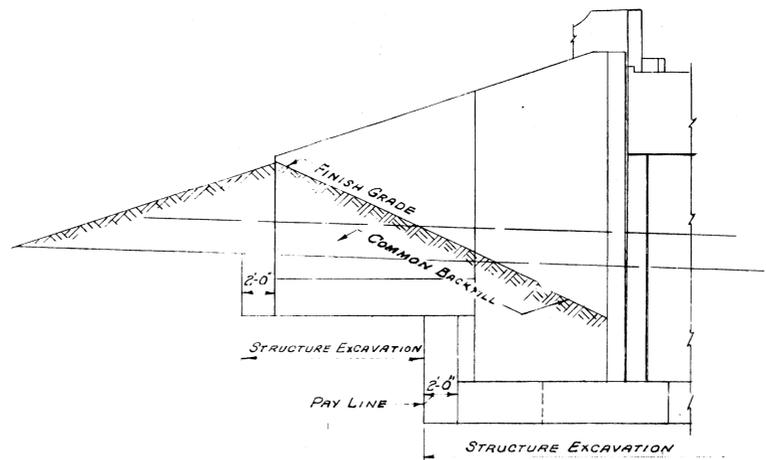
**TYPICAL SECTION
(BACK OF WINGWALLS & ABUTMENT)**



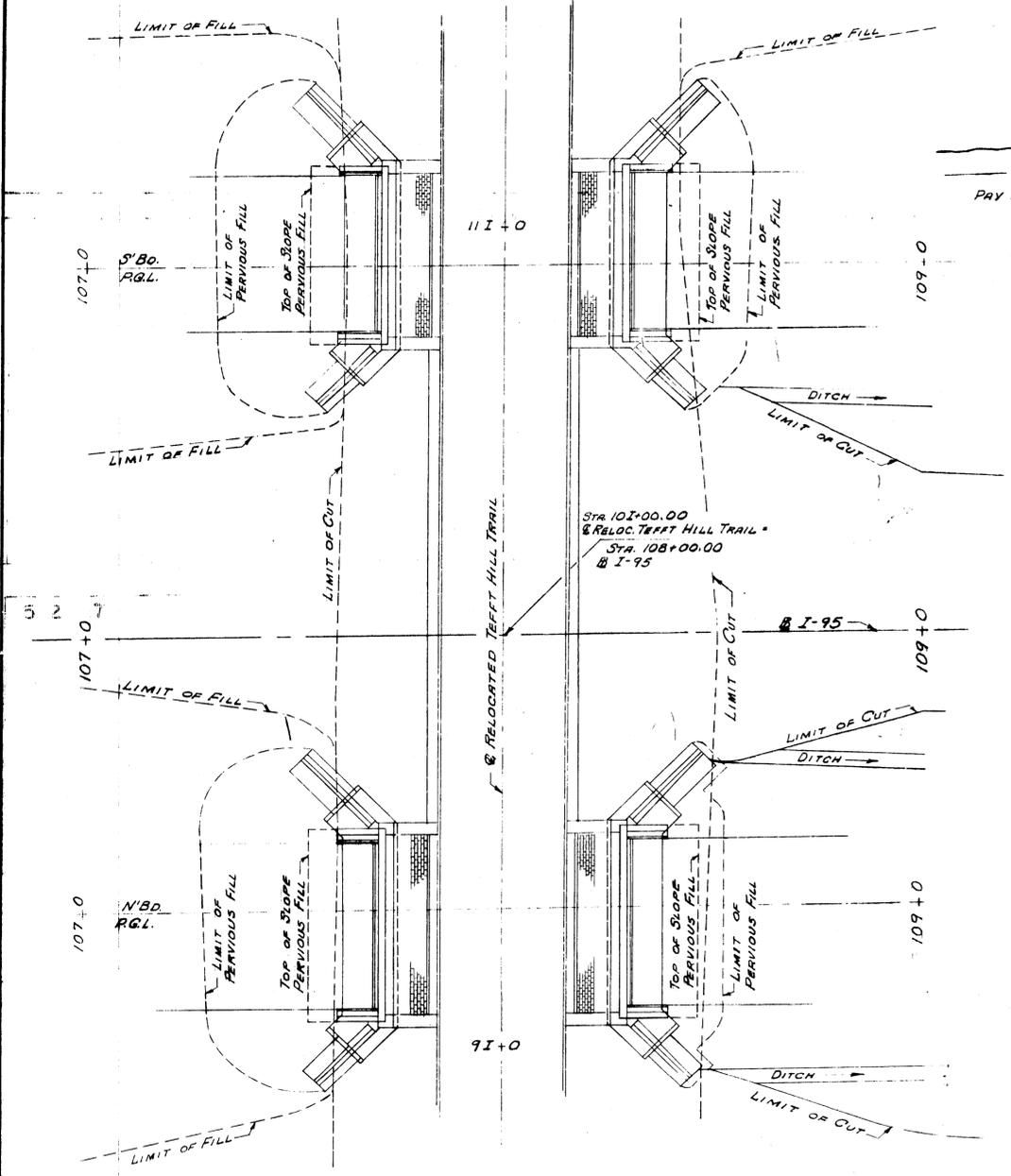
TYPICAL ABUTMENT SECTION



TYPICAL WINGWALL SECTION



**TYPICAL SECTION
(FRONT OF WINGWALLS)**



**PLAN
SCALE: 1" = 20'**

SCALE 3/16"=1'-0" EXCEPT AS NOTED

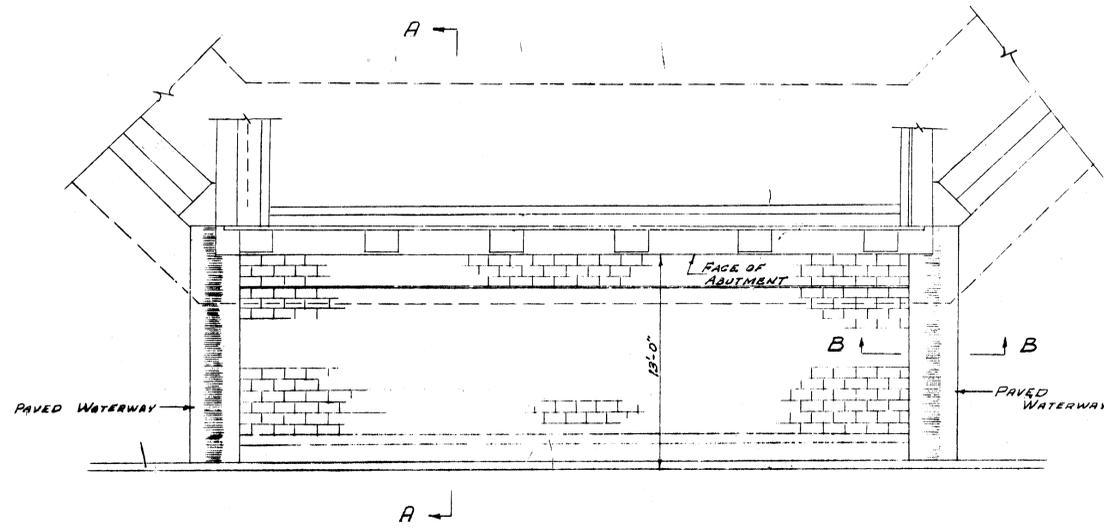
REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R. I. PROJECT NO. I-95-1(15)9
CONTRACT 1
EXETER RHODE ISLAND

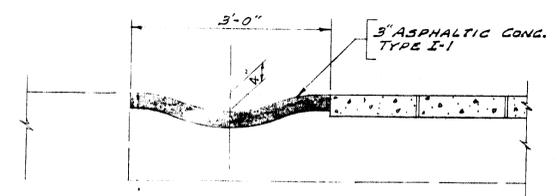
**PERVIOUS FILL AND
EXCAVATION LIMITS**

E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.
DESIGNED BY DATE
DRAWN BY F. J. G.
SHEET OF

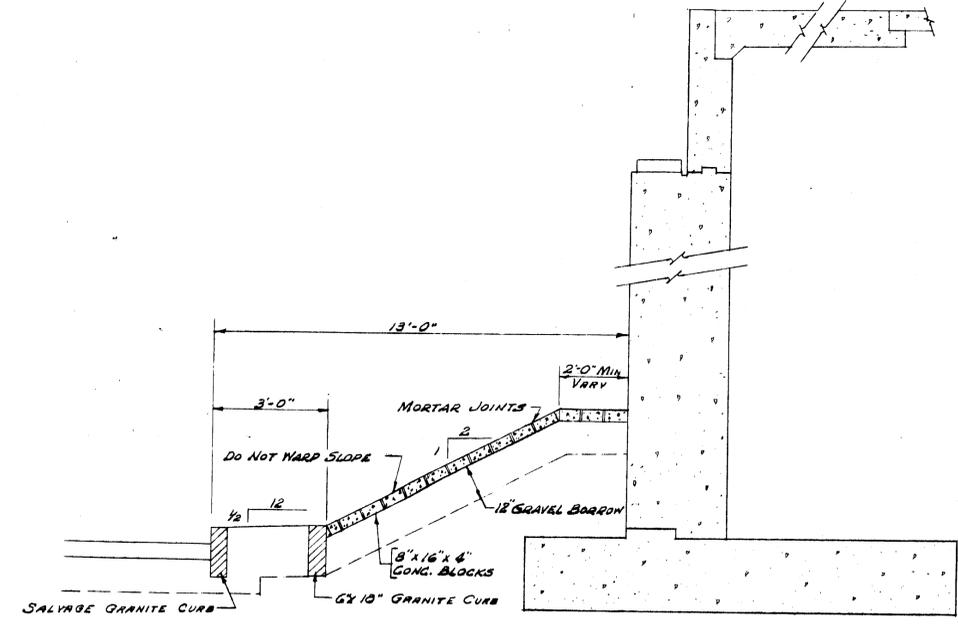
APPROVED _____ SUPERVISING CIVIL ENGINEER PRINTED _____
APPROVED _____ CHIEF ENGINEER ISSUED TO _____
FINAL DATE _____



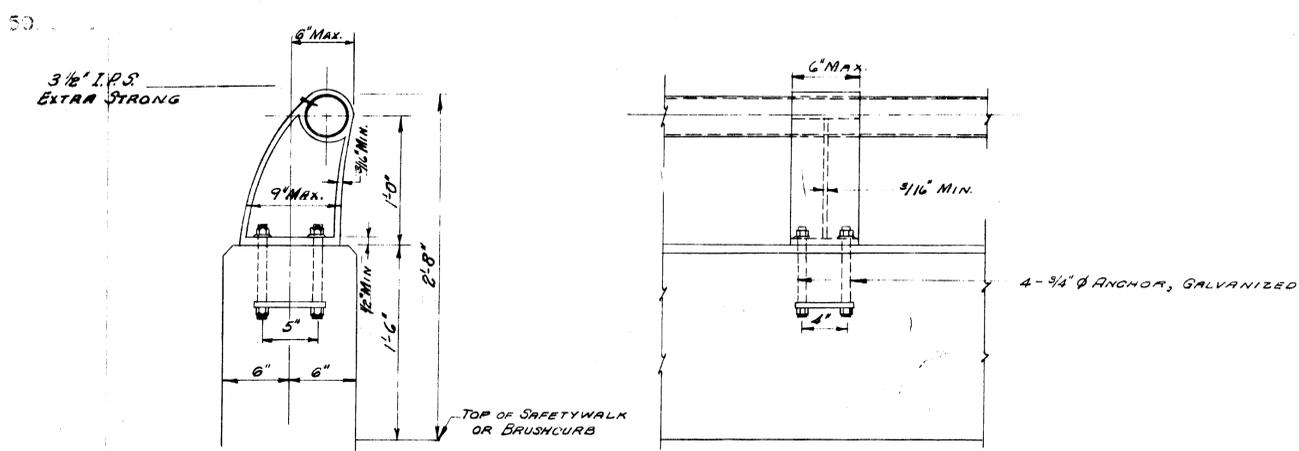
PLAN
SCALE: 3/16"=1'-0"



SECTION B-B
SCALE: 3/4"=1'-0"



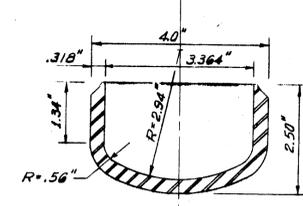
SECTION A-A
SCALE: 3/8"=1'-0"



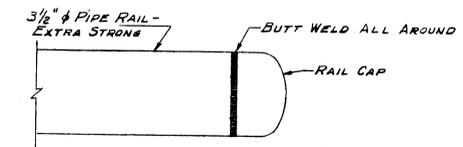
STEEL BRIDGE RAILING
SCALE: 1/2"=1'-0"

STEEL RAILING NOTES

- RAILS - 3 1/2" Ø PIPE EXTRA STRONG
ANCHOR BOLTS
POST ALTERNATES
1. STEEL CASTING
2. MALLEABLE IRON CASTING
3. FABRICATED
STEEL RAILING SHALL BE GALVANIZED ACCORDING TO R.A.S.H.O. M-111 AND PAINTED AS REQUIRED BY SPECIFICATIONS UNDER "PAINT FOR METALS."
- A53 GRADE B
A56
A27 GRADE 40-30
A47 GRADE 35018
A36 PLATES



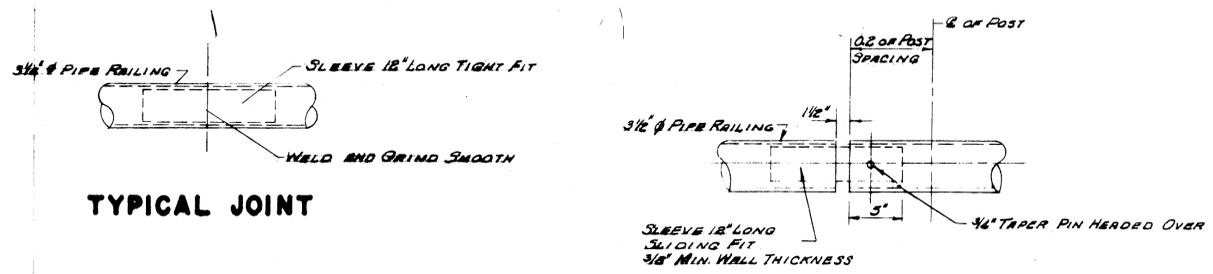
SECTION
SCALE: 6"=1'-0"



ELEVATION
SCALE: 3"=1'-0"
END CAP DETAILS

GENERAL NOTES

- ELEMENTS OF THE BRIDGE RAILINGS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE LATEST R.A.S.H.O. INTERIM SPECIFICATIONS I (64)
- RAILINGS ARE TO BE FABRICATED AND ERECTED SO THAT THE RAILS ARE PARALLEL TO THE TOP OF COPING
- SET RAILING POST VERTICAL IF ANY PART OF THE RAIL HAS A SLOPE GREATER THAN 1 1/2% - SET RAILING POSTS NORMAL I.E. NONE OF THE RAILING IS SLOPED GREATER THAN 1 1/2%



TYPICAL JOINT

EXPANSION JOINT

SCALES AS NOTED

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
TEFFT HILL TRAIL BRIDGE
R.I. PROJECT NO. 1-95-(15)9
CONTRACT 1
EXETER RHODE ISLAND

SLOPE PAVING & I BAR BRIDGE RAILING

E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.
DESIGNED BY _____ DATE _____
DRAWN BY *F.J.G.* SHEET OF _____

SET NO. _____
APPROVED _____ SUPERVISING CIVIL ENGINEER PRINTED _____
APPROVED _____ CHIEF ENGINEER ISSUED TO _____
FINAL DATE _____

MARK	SIZE	LENGTH	NO.	TYPE	A	B	C	D	E	F	G	H	J	K	O	R	DESCRIPTION	DIAGRAMS
SOUTHBOUND ROADWAY DECK AND APPROACH SLAB																		
59-401	#4	18'-0"	28	STR.													APPROACH SLAB	
59-402	#4	21'-9"	28	STR.													"	
59-403	#4	15'-0"	97	STR.													"	
59-404	#4	19'-1"	56	STR.													"	
59-405	#4	19'-6"	39	STR.													S.W. & PAR.	
DECK																		
59-501	#5	30'-6"	206	STR.													"	
59-502	#5	20'-6"	130	STR.													"	
59-503	#5	21'-6"	130	STR.													"	
59-504	#5	24'-3"	130	STR.													"	
59-505	#5	17'-6"	130	STR.													"	
59-506	#5	3'-8"	130	16B			1'-1"	1'-1"	1'-6"					0-5		1-0	DECK & SAFETY WALK	
59-507	#5	5'-10"	130	16B			1'-1"	1'-6"	1'-5"					0-4		1-6	DECK & BRUSH CURB	
DECK & SAFETY WALK																		
59-508	#5	4'-0"	65	20B			8'-2"	1'-3"	0'-7"								"	
59-509	#5	3'-0"	65	20B			0'-11"	1'-1"	1'-0"								"	
59-510	#5	5'-2"	65	17B			1'-0"	1'-9"	0'-8"	1'-9"							"	
59-511	#5	4'-10"	65	17B			0'-4"	1'-9"	0'-8"	2'-1"				0'-3"		0'-3"	"	
59-512	#5	5'-9"	80	19B			1'-0"	0'-4"	2'-5"								"	
59-513	#5	5'-9"	31	STR.													"	
DECK																		
59-601	#6	18'-0"	28	STR.													"	
59-602	#6	21'-9"	28	STR.													"	
59-603	#6	4'-0"	80	STR.													"	
59-604	#6	4'-10"	132	4A			0'-4"	0'-3"	0'-6"	3'-9"				0'-4"		0'-4"	"	
59-605	#6	4'-4"	130	4A			0'-4"	1'-0"	0'-6"	2'-6"				0'-4"		0'-4"	"	
APPROACH SLAB																		
59-701	#7	13'-6"	153	STR.													"	

MARK	SIZE	LENGTH	NO.	TYPE	A	B	C	D	E	F	G	H	J	K	O	R	DESCRIPTION	DIAGRAMS
NORTHBOUND ROADWAY DECK & APPROACH SLAB																		
59-401	#4	18'-0"	28	STR.													APPROACH SLAB	
59-402	#4	21'-9"	28	STR.													"	
59-403	#4	15'-0"	97	STR.													"	
59-404	#4	19'-1"	56	STR.													"	
59-405	#4	19'-6"	42	STR.													S.W. & PAR.	
DECK																		
59-501	#5	30'-6"	212	STR.													"	
59-502	#5	22'-5"	130	STR.													"	
59-503	#5	22'-5"	130	STR.													"	
59-504	#5	26'-3"	130	STR.													"	
59-505	#5	17'-6"	130	STR.													"	
59-506	#5	5'-2"	260	16B			1'-1"	1'-7"	3'-6"					0-5		1-7	DECK & SAFETY WALK	
DECK & SAFETY WALK																		
59-508	#5	4'-0"	130	20B			8'-2"	1'-3"	0'-7"								"	
59-510	#5	5'-2"	130	17B			1'-0"	1'-9"	0'-8"	1'-9"							"	
59-512	#5	3'-9"	80	19B			1'-0"	0'-4"	2'-5"					0-3"		0-3"	"	
59-513	#5	5'-9"	31	STR.													"	
DECK																		
APPROACH SLAB																		
59-702	#7	6'-4"	262	4A			0'-4	1'-0	0'-6	4'-6				0-4		0-4	DECK	

TOTAL	
SIZE	WEIGHT LBS.
#4	5331
#5	42438
#6	6205
#7	12026

NOTES
 1. DIMENSIONS SHOWN ARE GIVEN TO OUTSIDE OF BARS.
 2. + INDICATES ONE TEST BAR INCLUDED.

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
TEFT HILL TRAIL BRIDGE
 R I PROJECT NO 1-95-1(15)9
 CONTRACT 1
 EXETER RHODE ISLAND

DECK REINFORCING SCHEDULE

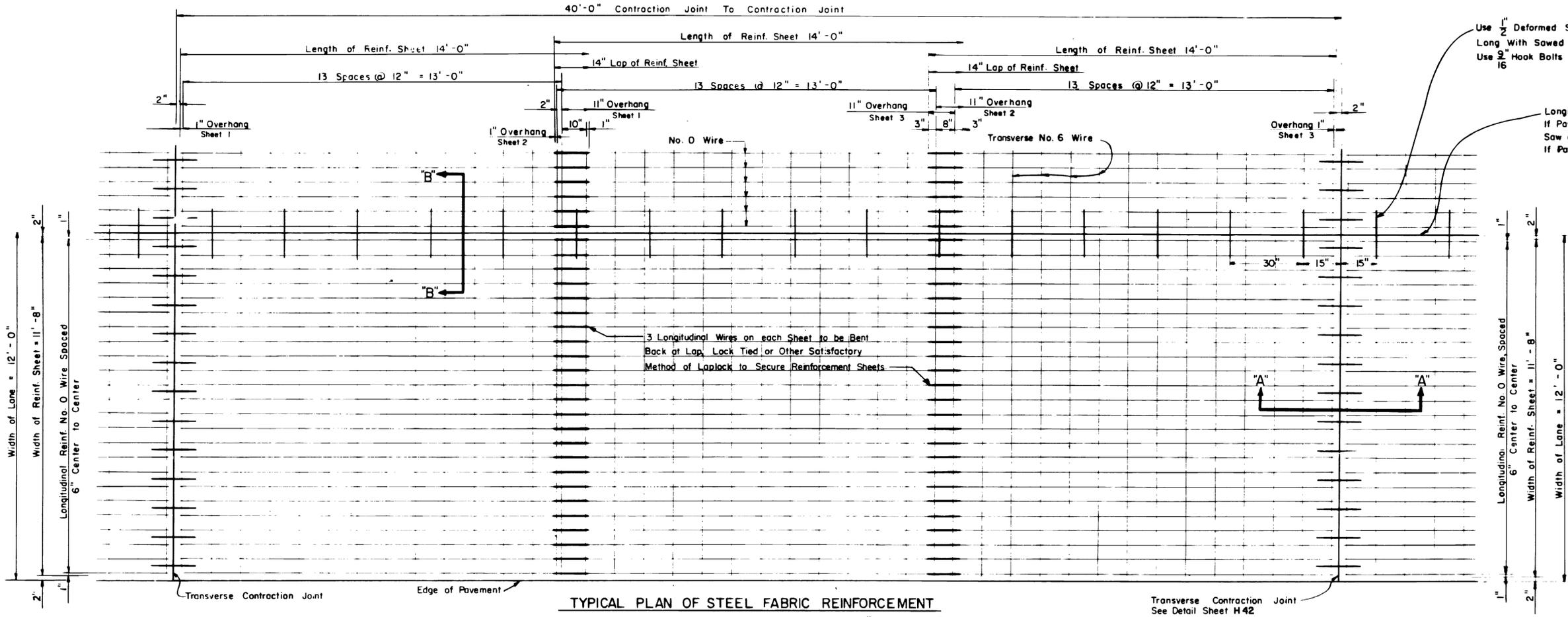
DESIGNED BY	DRAWN BY <i>F.V.G.</i>	APPROVED	SET NO.
DATE	SHEET OF	APPROVED	PRINTED
		ISSUED TO	
		FINAL DATE	

E. P. SNOW ASSOCIATES
 CONSULTING ENGINEERS PROVIDENCE, R. I.

SCHEDULE FOR EACH OF TWO WINGWALLS: N.E. WINGWALL S'BD. ROADWAY & N.E. WINGWALL N'BD. ROADWAY.

MARK	SIZE	LENGTH	NO.	TYPE	A	B	C	D	E*	F*	G	H	J	K	O	R	DESCRIPTION	DIAGRAMS
SCHEDULE FOR EACH OF TWO WINGWALLS: S.E. WINGWALL S'BD. ROADWAY & S.E. WINGWALL N'BD. ROADWAY.																		
SE401	4	11-0	4	STR.													FOOTING	1A
SE402	4	11-6	10	STR.													"	
SE403	4	7-0	12	STR.													"	
SE404	4	8-0	24	STR.													"	
SE405	4	8-1 to 11-9	12	20A	0-10	7-3			0-4	1							WALL	20A
SE406	4	12-0	2	STR.													"	
SE407	4	12-10 to 5-6	12	20A	0-10	2-0			0-4	1							"	
SE408	4	2-6 to 8-6	6	STR.													"	16B
SE409	4	18-0 to 20-4	8	20A	0-10	17-2			0-4	1							"	
SE410	4	18-6	4	STR.													"	19A
SE411	4	11-4	18	16B	2-4	1-3	7-9				0-10 1/2						"	
SE412	4	6-10	19	STR.													"	
SE413	4	4-6 to 7-11	2	16B	2-4	1-3	0-11	3-5	1		0-10 1/2						"	
SE414	4	4-4	1	STR.													"	
SE415	4	8-3	2	19A	3-3	1-0					0-4						"	
SE416	4	7-6	7	STR.													"	
SE417	4	2-6	7	STR.													"	
SE501	5	3-0	13	STR.													FOOTING & WALL	
SE502	5	3-0	13	STR.													"	
SE503	5	14-7 to 16-7	7	20A	0-10	13-9			0-4	1							WALL	
SE601	6	7-0	12	STR.													FOOTING	
SE602	6	6-6	8	STR.													WALL	
SE701	7	9-6	13	1A	0-7	8-11					0-5	0-5					FOOTING & WALL	
SE801	8	8-4	15	1A	0-7	7-9					0-5	0-5					"	
SCHEDULE FOR EACH OF TWO WINGWALLS: S.W. WINGWALL S'BD. ROADWAY & S.W. WINGWALL N'BD. ROADWAY.																		
SW401	4	11-0	2	STR.													FOOTING	1A
SW402	4	14-6	12	STR.													"	
SW403	4	7-6	15	STR.													"	
SW404	4	6-0	24	STR.													"	
SW405	4	8-6 to 13-2	15	20A	0-10	7-8			0-4	1							WALL	20A
SW406	4	15-0	2	STR.													"	
SW407	4	2-10 to 7-6	15	20A	0-10	2-0			0-4	1							"	
SW408	4	2-6 to 11-6	8	STR.													"	16B
SW409	4	17-9 to 20-5	9	20A	0-10	16-11			0-4	1							"	
SW410	4	19-6	4	STR.													"	
SW411	4	12-4	18	16B	2-4	1-3	8-9				0-10 1/2						"	
SW412	4	7-10	18	STR.													"	
SW413	4	4-6 to 8-5	2	16B	2-4	1-3	0-11	3-11	1		0-10 1/2						"	
SW414	4	4-10	1	STR.													"	
SW415	4	9-3	2	19A	3-3	1-0					0-4						"	
SW416	4	2-6	7	STR.													"	
SW501	5	3-0	15	STR.													FOOTING & WALL	
SW502	5	3-0	13	STR.													"	
SW503	5	14-1 to 18-5	8	20A	0-10	13-3			0-4	1							WALL	
SW601	6	7-6	15	STR.													FOOTING	
SW602	6	6-6	8	STR.													WALL	
SW701	7	10-0	15	1A	0-7	9-5					0-5	0-5					FOOTING & WALL	
SW801	8	8-4	16	1A	0-7	7-9					0-5	0-5					"	

MARK	SIZE	LENGTH	NO.	TYPE	A	B	C	D	E*	F*	G	H	J	K	O	R	DESCRIPTION	DIAGRAMS
NE401	4	11-0	4	STR.													FOOTING	1A
NE402	4	11-6	10	STR.													"	
NE403	4	7-0	12	STR.													"	
NE404	4	8-0 to 11-9	24	STR.													"	
NE405	4	8-0 to 11-9	12	20A	0-10	7-2			0-4	1							WALL	20A
NE406	4	12-0	2	STR.													"	
NE407	4	2-10 to 6-6	12	20A	0-10	2-0			0-4	1							"	
NE408	4	2-6 to 8-6	6	STR.													"	16B
NE409	4	17-0 to 19-4	8	20A	0-10	16-2			0-4	1							"	
NE410	4	18-6	4	STR.													"	
NE411	4	11-4	17	16B	2-4	1-3	7-9				0-10 1/2						"	
NE412	4	6-10	17	STR.													"	
NE413	4	4-6 to 7-11	2	16B	2-4	1-3	0-11	3-5	1		0-10 1/2						"	
NE414	4	4-4	1	STR.													"	
NE415	4	8-3	2	19A	3-3	1-0					0-4						"	
NE416	4	7-6	7	STR.													"	
NE501	5	3-0	12	STR.													FOOTING & WALL	
NE502	5	3-0	12	STR.													"	
NE503	5	13-6 to 15-6	7	20A	0-10	12-8			0-4	1							WALL	
NE601	6	7-0	12	STR.													FOOTING	
NE602	6	6-6	7	STR.													WALL	
NE701	7	9-6	12	1A	0-7	8-11					0-5	0-5					FOOTING & WALL	
NE801	8	8-4	14	1A	0-7	7-9					0-5	0-5					"	
SCHEDULE FOR EACH OF TWO WINGWALLS: N.W. WINGWALL S'BD. ROADWAY & N.W. WINGWALL N'BD. ROADWAY.																		
NW401	4	11-0	2	STR.													FOOTING	1A
NW402	4	14-6	12	STR.													"	
NW403	4	7-6	16	STR.													"	
NW404	4	5-0	24	STR.													"	
NW405	4	8-4 to 13-0	15	20A	0-10	7-6			0-4	1							WALL	20A
NW406	4	15-0	2	STR.													"	
NW407	4	2-10 to 7-6	15	20A	0-10	2-0			0-4	1							"	
NW408	4	2-6 to 11-6	8	STR.													"	16B
NW409	4	16-8 to 19-4	9	20A	0-10	15-10			0-4	1							"	
NW410	4	18-6	4	STR.													"	
NW411	4	12-4	17	16B	2-4	1-3	8-9				0-10 1/2						"	
NW412	4	7-10	17	STR.													"	
NW413	4	4-6 to 8-5	2	16B	2-4	1-3	0-11	3-11	1		0-10 1/2						"	
NW414	4	4-10	1	STR.													"	
NW415	4	9-3	2	19A	3-3	1-0					0-4						"	
NW416	4	7-6	7	STR.													"	
NW501	5	3-0	16	STR.													FOOTING & WALL	
NW502	5	3-0	14	STR.													"	
NW503	5	13-1 to 15-5	8	20A	0-10	12-3			0-4	1							WALL	
NW601	6	7-6	15	STR.													FOOTING	
NW602	6	6-6	9	STR.													WALL	
NW701	7	10-0	16	1A	0-7	9-5					0-5	0-5					FOOTING & WALL	
NW801																		



TYPICAL PLAN OF STEEL FABRIC REINFORCEMENT

SLAB SIZE 12'-0" x 40'-0" WEIGHT OF MESH 65# PER 100 SQ. FT.
 SHEET SIZES 11'-8" x 14'-0" JOINTS PER SLAB MILE = 132 APPROX
 WIRE SIZES NO. 0, 6" O.C. LONGITUDINALLY NO. 6, 12" O.C. TRANSVERSELY

Use 1/2" Deformed Steel Tie Bars 20' Long With Sawn Longitudinal Joint.
 Use 3/8" Hook Bolts 6" & 8" Long, with Butt Joint

Longitudinal Construction Joint
 If Paving 24' Wide, Use Tie Bars Then Saw and Fill With Hot Poured Joint Sealer.
 If Paving 12' Wide, Use Hook Bolts Across Butt Joint

TRANSVERSE JOINTS

Construction joints shall be formed at right angles to the center line and extend the full width of the slab. Joints shall be formed where there is an interruption of more than 30 min. in the concreting operations, and shall be in conformity with the details shown on sheet.

Contraction joints shall be formed at right angles to the center line and extend the full width of the slab. Joints shall be sawed, cut to a depth of 2" with a maximum width of 1/4" and filled with approved joint sealer. The purpose of this joint is to weaken the pavement at intervals not to exceed 40'-0" measured along the center line.

LONGITUDINAL

The longitudinal joint along the center line shall be either a butt joint or a sawed joint. A butt joint will not require any prepared filler. A sawed joint shall be cut to a depth of 2 inches with maximum width of 1/4" and filled with hot poured joint sealer.

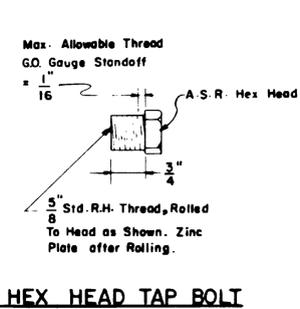
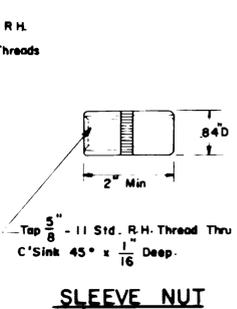
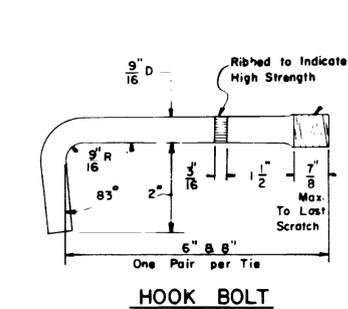
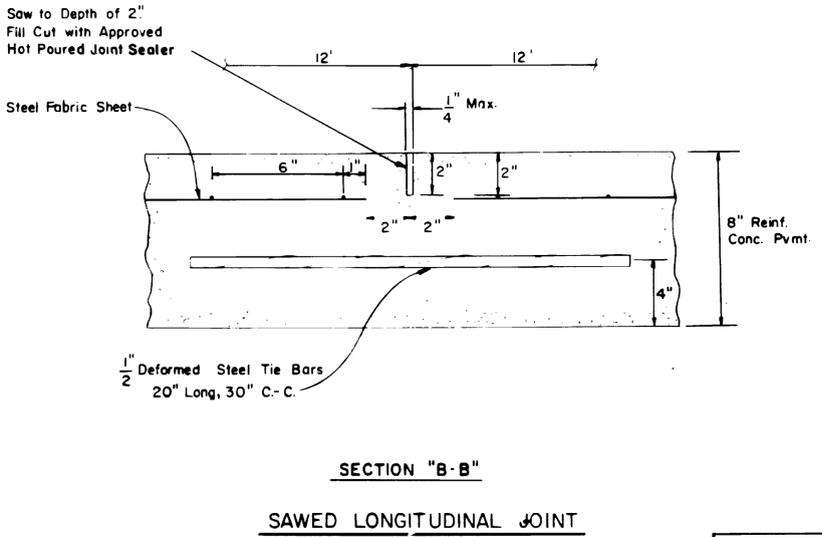
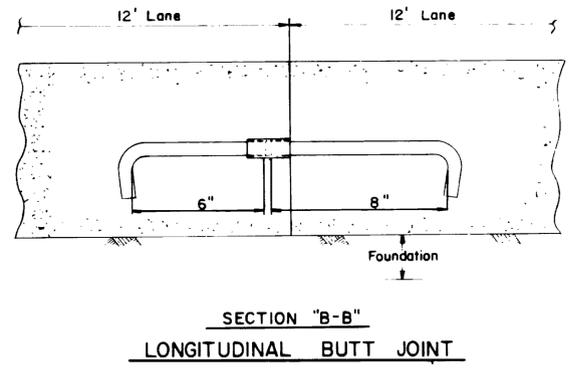
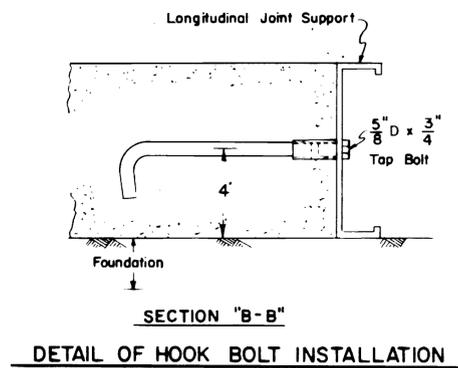
GENERAL NOTE (for Construction Joints only)

The edges of the concrete at the transverse and longitudinal joints shall be rounded to a 1/4" radius, except the two outside longitudinal edges, which shall be rounded to a 3/4" radius.

DOWELS — TRANSVERSE JOINTS

CONSTRUCTION JOINTS One end of each dowel to be fitted with an approved metal cap. Dowels to be supported by a continuous approved structure and treated as per specifications to the satisfaction of the engineer. Ends of dowel bars to be sawed, or ground if sheared.

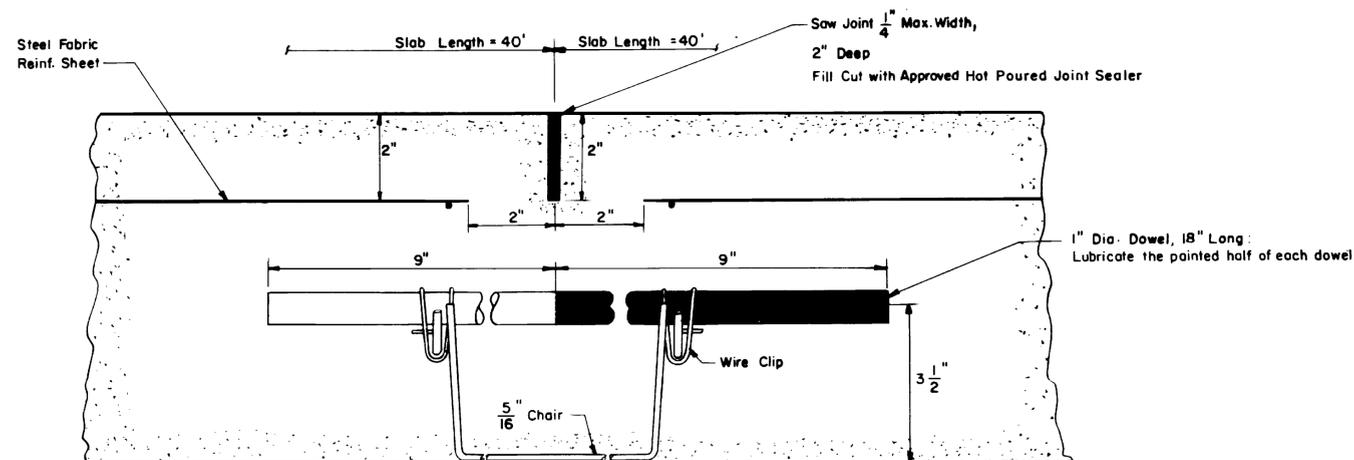
CONTRACTION JOINTS One half of each alternate dowel to be painted with one coat of lead paint and then lubricated. Dowels shall be supported by a continuous approved structure. The ends of the dowel bars are to be sawed, or ground if sheared.



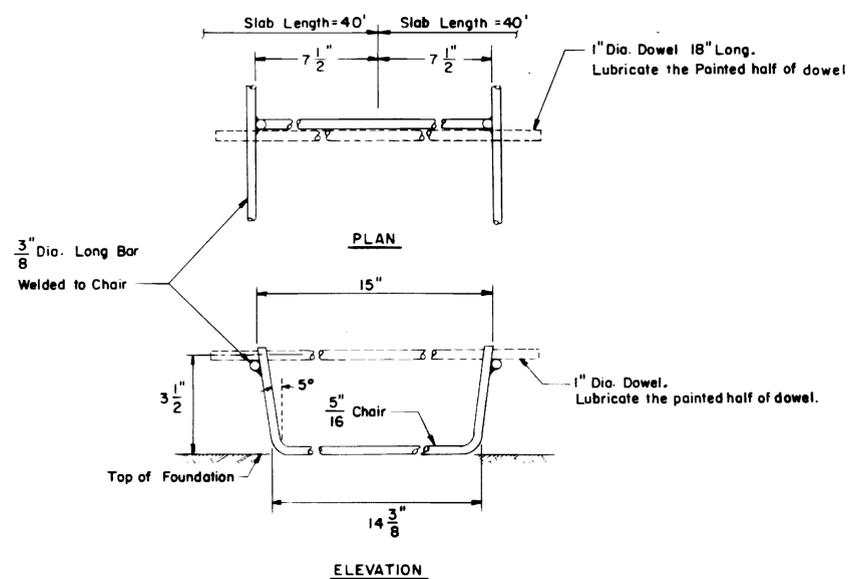
REVISIONS		
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ROADS AND BRIDGES
INTERSTATE ROUTE 95
 TEFFT HILL TRAIL TO
 AUSTIN FARM ROAD
 EXETER, RHODE ISLAND
CONCRETE PAVEMENT GENERAL

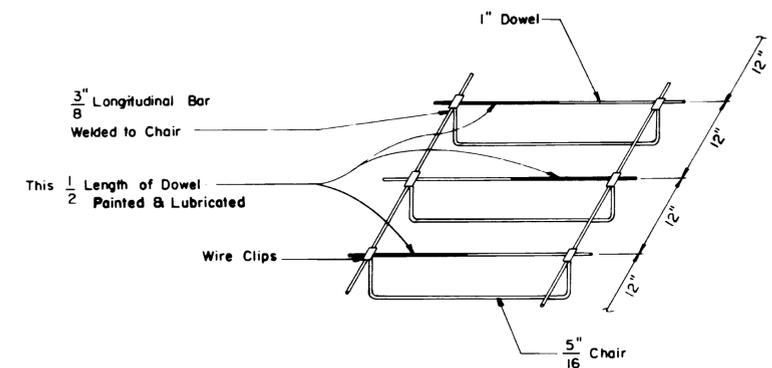
E. P. SNOW ASSOCIATES
 CONSULTING ENGINEERS PROVIDENCE, R. I.
 DESIGNED BY: DATE: 1-13-66
 DRAWN BY: SHEET H41 OF 171
 APPROVED SUPERVISING CIVIL ENGINEER
 APPROVED CHIEF ENGINEER
 SET NO. PRINTED
 ISSUED TO
 FINAL DATE



SECTION "A-A"
SAWED TRANSVERSE CONTRACTION JOINT



BRIDGE ASSEMBLY
FOR CONTRACTION JOINT



ASSEMBLED CONTRACTION JOINT
CONTINUOUS BRIDGE SUPPORT
OR APPROVED EQUAL*

* An approved equal may consist of two separate chairs placed on either side of the joint with no tie between them at the bottom of the slab.

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ROADS AND BRIDGES

INTERSTATE ROUTE 95
TEFFT HILL TRAIL TO
AUSTIN FARM ROAD
EXETER, RHODE ISLAND

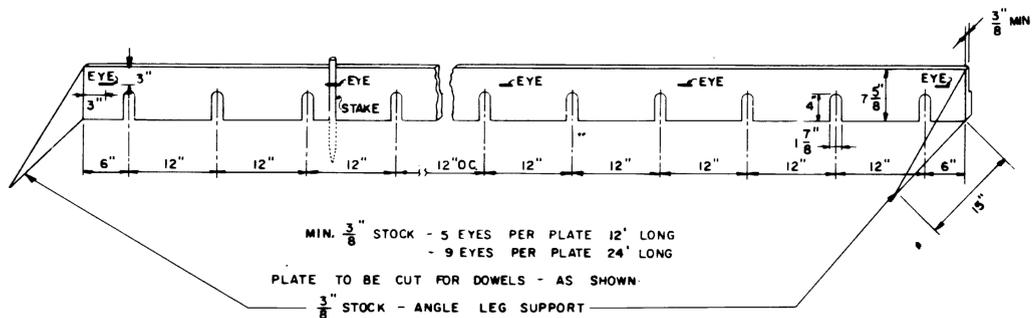
CONCRETE PAVEMENT
CONTRACTION JOINT

E. P. SNOW ASSOCIATES
CONSULTING ENGINEERS PROVIDENCE, R. I.

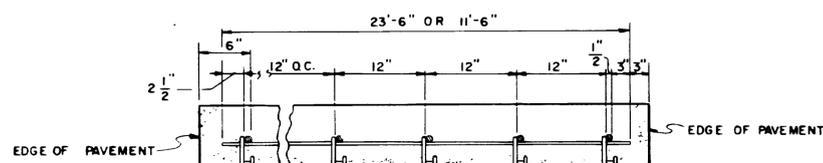
DESIGNED BY: DATE 1-13-66
DRAWN BY: SHEET H42 OF 171

APPROVED: SUPERVISING CIVIL ENGINEER
APPROVED: CHIEF ENGINEER

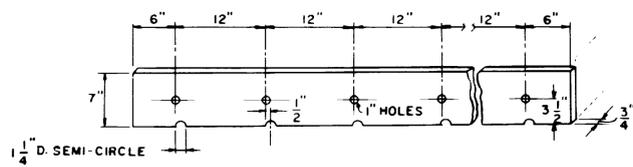
SET NO.
PRINTED
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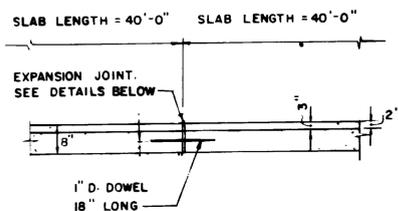
BULKHEAD PLATE (INSTALLING BAR)



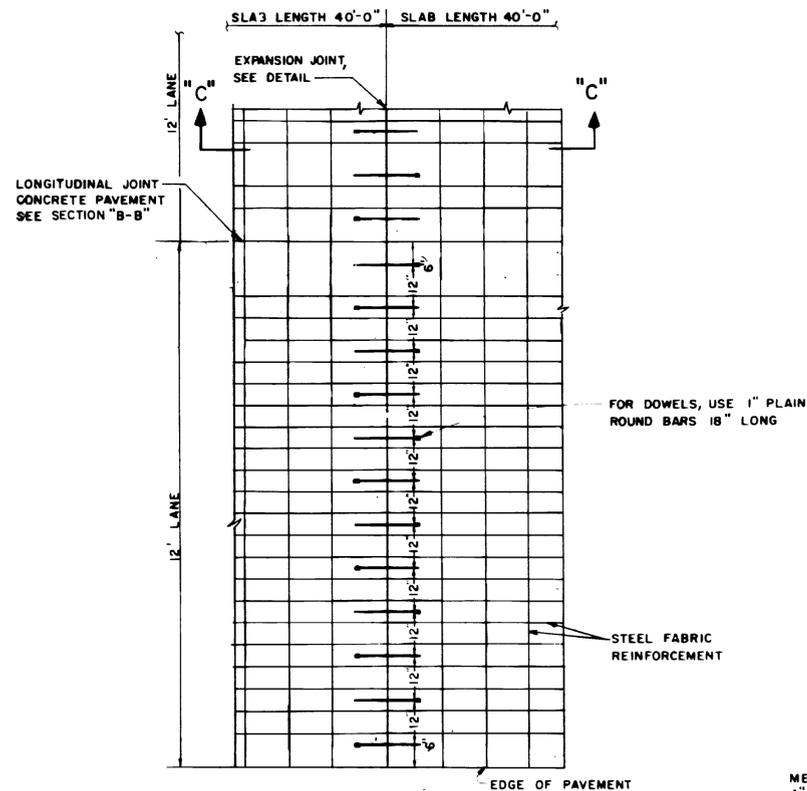
SIDE ELEV OF BRIDGE ASSEMBLY



DETAIL SHOWING HOLE-PUNCHING OF PREFORMED JOINT FILLER

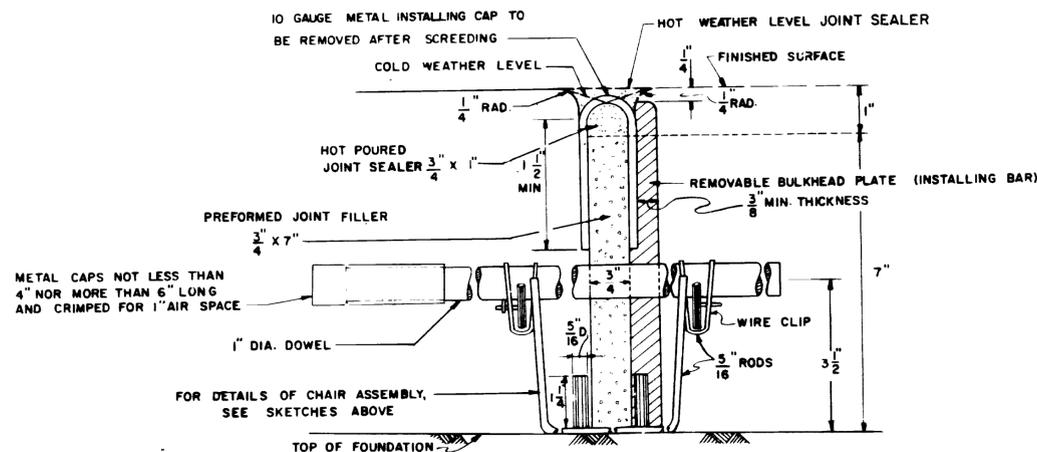


SECTION "C-C"

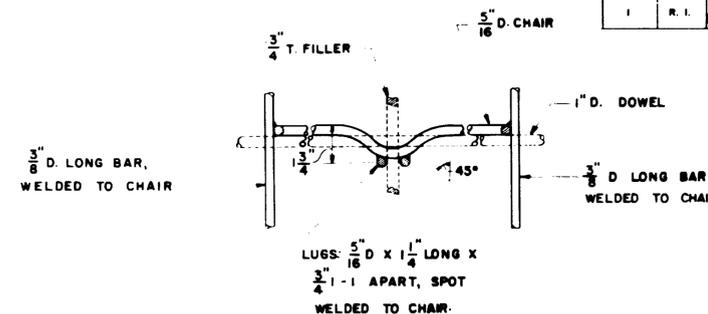


PLAN

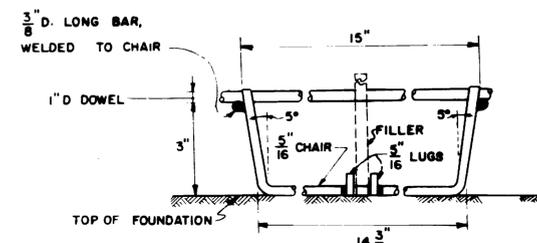
TRANSVERSE EXPANSION JOINT



EXPANSION JOINT WITH PREFORMED FILLER (CONSTRUCTION JOINT AT END OF RUN)

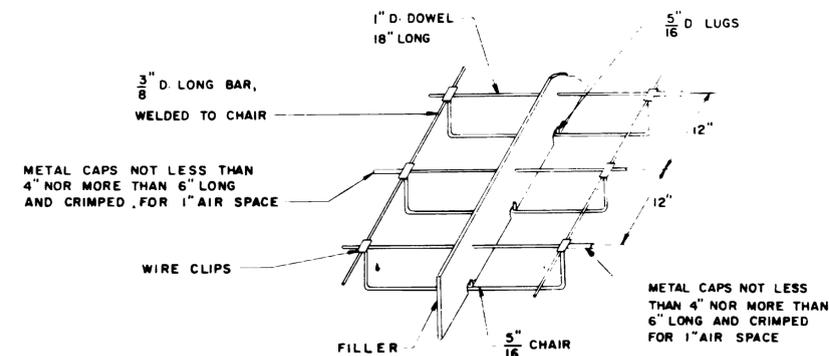


PLAN



ELEVATION

BRIDGE ASSEMBLY



ASSEMBLED EXPANSION JOINT CONTINUOUS BRIDGE SUPPORT OR APPROVED EQUAL *

* An approved equal may consist of two separate chairs placed on either side of the joint with no tie between them at the bottom of the slab.

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ROADS AND BRIDGES

INTERSTATE ROUTE 95

TEFFT HILL TRAIL TO
 AUSTIN FARM ROAD
 EXETER, RHODE ISLAND

CONCRETE PAVEMENT EXPANSION JOINT

E. P. SNOW ASSOCIATES
 CONSULTING ENGINEERS PROVIDENCE, R. I.

DESIGNED BY DATE 1-13-66

DRAWN BY SHEET H43 OF 171

SET NO.

APPROVED SUPERVISING CIVIL ENGINEER

APPROVED CHIEF ENGINEER

PRINTED

ISSUED TO

FINAL DATE