



Paul R. LePage
GOVERNOR

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

June 21, 2012
Subject: **Trenton**
Federal Project No's: STP-A569(000)X
& STP-1735(700)X
State WIN: 015690.00 & 017357.00
Amendment No. 1

David Bernhardt
COMMISSIONER

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 17 thru 24) **REMOVE** the "SCHEDULE OF ITEMS" 8 pages dated 120604 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 8 pages dated 120621.

In the Plans, Sheet Number 7 of 77 "DRAINAGE SHEET" under "STATION, ROADWAY CULVERTS" **CHANGE** the roadway culvert at "284+50 to 285+30 LT." from "18" x 80" to read "**15" x 82"**". Make this change in pen and ink.

In the Plans **REMOVE** the first plan sheet numbered "SHEET NUMBER 12 OF 77" titled "TRAFFIC SIGNAL PLAN" and **REPLACE** with the attached new "SHEET NUMBER 12 OF 77" titled "TRAFFIC SIGNAL PLAN".

In the Plans, make the following "SHEET NUMBER" **CHANGES** in pen and ink;

Current Sheet Number	New Sheet Number
SHEET NUMBER 10 OF 76 (second occurrence)	<u>SHEET NUMBER 11 OF 77</u>
SHEET NUMBER 12 OF 76 (second occurrence)	<u>SHEET NUMBER 13 OF 77</u>
SHEET NUMBER 13 OF 76	<u>SHEET NUMBER 14 OF 77</u>
SHEET NUMBER 14 OF 76	<u>SHEET NUMBER 15 OF 77</u>
SHEET NUMBER 15 OF 76	<u>SHEET NUMBER 16 OF 77</u>
SHEET NUMBER 16 OF 76	<u>SHEET NUMBER 17 OF 77</u>
SHEET NUMBER 17 OF 76	<u>SHEET NUMBER 18 OF 77</u>
SHEET NUMBER 18 OF 76	<u>SHEET NUMBER 19 OF 77</u>
SHEET NUMBER 19 OF 76	<u>SHEET NUMBER 20 OF 77</u>

In the Plans **REMOVE** "SHEET NUMBER 68 OF 77" titled "STRIPING & SIGN PLANS" and **REPLACE** with the attached new "SHEET NUMBER 68 OF 77" titled "STRIPING & SIGN PLANS".



PRINTED ON RECYCLED PAPER

In the Plans **REMOVE** "SHEET NUMBER 69 OF 77" titled "STRIPING & SIGN PLANS" and **REPLACE** with the attached new "SHEET NUMBER 69 OF 77" titled "STRIPING & SIGN PLANS".

NOTE: Plan sheets have been FedExed/Mailed to those who purchased plans in the quantity and size purchased.

The following questions have been received:

Question: There appears to be a quantity error in regards to 15" Opt III that is possibly due to 82 ft of 15" shown on the plans and 80' of 18" Opt III listed for sta. 284+50 to 285+30. Please verify the correct quantity.

Response: Please see the above pen and ink change.

Question: According to Plan Sheet 7 there is 126 LF of 24" Opt I pipe. The bid quantity is 136 LF. What is the correct quantity?

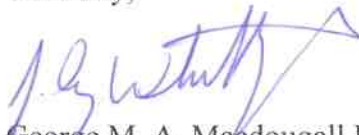
Response: The Bid Quantity is 136 LF. As designed, 126 feet of 24" opt I pipe shall be required though field conditions may warrant differently.

Question: The detail that shows "Cross culvert in frost susceptible soils," list 4 locations. The box culvert at 10+90 on 230 and the box culvert at 274+07 are listed. The bottoms of these rest on 12" of crushed stone and the depth of the bottom of this stone is 8 feet in depth. The 60" dia. RCP at 300+25 pipe bottom will be nearly 9 feet deep. Does this detail as drawn need to apply to these structures?

Response: As the inverts of the structures at stations 10+90 and 274+07 are below the frost depth, this transition is not necessary as depicted in the typical. However, a field transition at the depth of frost penetration up to subgrade may be necessary, depending on soil conditions.

Consider these changes and information prior to submitting your bid on June 27, 2012.

Sincerely,


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

MAINE DEPARTMENT OF TRANSPORTATION

PAGE: 1

DATE: 120621

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 015690.00

PROJECT(S): STP-A569(000)
STP-1735(700)X

CONTRACTOR : _____

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

SECTION 0001 PROJECT ITEMS

0010	201.11 CLEARING	0.600				
		AC				
0020	201.23 REMOVING SINGLE TREE TOP ONLY	11.000				
		EA				
0030	201.24 REMOVING STUMP	11.000				
		EA				
0040	202.08 REMOVING BUILDING NO.: 1	LUMP	LUMP			
0050	202.08 REMOVING BUILDING NO.: 2	LUMP	LUMP			
0060	202.11 REMOVING PORTLAND CEMENT CONCRETE PAVEMENT	7170.000				
		SY				
0070	203.20 COMMON EXCAVATION	19350.000				
		CY				
0080	203.2312 HEALTH AND SAFETY PLAN	LUMP	LUMP			
0090	203.25 GRANULAR BORROW	2630.000				
		CY				
0100	304.09 AGGREGATE BASE COURSE - CRUSHED	6200.000				
		CY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	6850.000 CY				
0120	403.207 HOT MIX ASPHALT 19.0 MM HMA	2760.000 T				
0130	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	1800.000 T				
0140	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	330.000 T				
0150	403.213 HOT MIX ASPHALT 12.5 MM BASE	2250.000 T				
0160	409.15 BITUMINOUS TACK COAT - APPLIED	880.000 G				
0170	502.341 STRUCTURAL CONCRETE ROADWAY MEDIAN	90.000 CY				
0180	527.303 ENERGY ABSORBING SYSTEM (ET-PLUS)	1.000 EA				
0190	534.71 PRECAST CONCRETE BOX CULVERT 1	LUMP	LUMP			
0200	534.71 PRECAST CONCRETE BOX CULVERT 2	LUMP	LUMP			
0210	603.15 12 INCH CULVERT PIPE OPTION I	8.000 LF				

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			DOLLARS	CTS	DOLLARS	CTS
0220	603.159 12 INCH CULVERT PIPE OPTION III	52.000 LF				
0230	603.16 15 INCH CULVERT PIPE OPTION I	166.000 LF				
0240	603.169 15 INCH CULVERT PIPE OPTION III	122.000 LF				
0250	603.17 18 INCH CULVERT PIPE OPTION I	36.000 LF				
0260	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	116.000 LF				
0270	603.179 18 INCH CULVERT PIPE OPTION III	396.000 LF				
0280	603.19 24 INCH CULVERT PIPE OPTION I	136.000 LF				
0290	603.255 60 INCH REINFORCED CONCRETE PIPE CLASS III	76.000 LF				
0300	604.09 CATCH BASIN TYPE B1	1.000 EA				
0310	604.2402 BEHIND CURB CATCH BASIN	1.000 EA				
0320	604.247 CATCH BASIN TYPE F5-C	1.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0330	604.262 CATCH BASIN TYPE B5-C	23.000 EA				
0340	605.09 6 INCH UNDERDRAIN TYPE B	1435.000 LF				
0350	605.10 6 INCH UNDERDRAIN OUTLET	81.000 LF				
0360	605.11 12 INCH UNDERDRAIN TYPE C	2515.000 LF				
0370	605.12 15 INCH UNDERDRAIN TYPE C	340.000 LF				
0380	605.13 18 INCH UNDERDRAIN TYPE C	115.000 LF				
0390	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	567.500 LF				
0400	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	100.000 LF				
0410	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	4.000 EA				
0420	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	16.000 EA				
0430	606.356 UNDERDRAIN DELINEATOR POST	13.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0440	606.47 SINGLE WOOD POST	20.000				
		EA				
0450	606.79 GUARDRAIL 350 FLARED TERMINAL	3.000				
		EA				
0460	608.26 CURB RAMP DETECTABLE WARNING FIELD	40.000				
		SF				
0470	609.11 VERTICAL CURB TYPE 1	222.000				
		LF				
0480	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	16.000				
		LF				
0490	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	4.000				
		EA				
0500	609.31 CURB TYPE 3	3930.000				
		LF				
0510	610.08 PLAIN RIPRAP	170.000				
		CY				
0520	613.319 EROSION CONTROL BLANKET	880.000				
		SY				
0530	615.07 LOAM	710.000				
		CY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	50.000 UN				
0550	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	41.000 UN				
0560	619.1201 MULCH - PLAN QUANTITY	91.000 UN				
0570	620.58 EROSION CONTROL GEOTEXTILE	480.000 SY				
0580	626.11 PRECAST CONCRETE JUNCTION BOX	6.000 EA				
0590	626.21 METALLIC CONDUIT	50.000 LF				
0600	626.22 NON-METALLIC CONDUIT	400.000 LF				
0610	626.31 18 INCH FOUNDATION	2.000 EA				
0620	626.33 30 INCH FOUNDATION	4.000 EA				
0630	626.35 CONTROLLER CABINET FOUNDATION	1.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0640	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	14200.000 LF				
0650	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	1150.000 SF				
0660	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP			
0670	629.05 HAND LABOR, STRAIGHT TIME	50.000 HR				
0680	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	40.000 HR				
0690	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	80.000 HR				
0700	635.31 PREFAB CONCRETE BLOCK GRAVITY WALL	250.000 SF				
0710	639.18 FIELD OFFICE TYPE A	1.000 EA				
0720	643.715 EMERGENCY VEHICLE PREEMPTION EMITTERS	5.000 EA				
0730	643.80 TRAFFIC SIGNALS AT ROUTE 3 AND 230	LUMP	LUMP			
0740	643.92 PEDESTAL POLE	2.000 EA				

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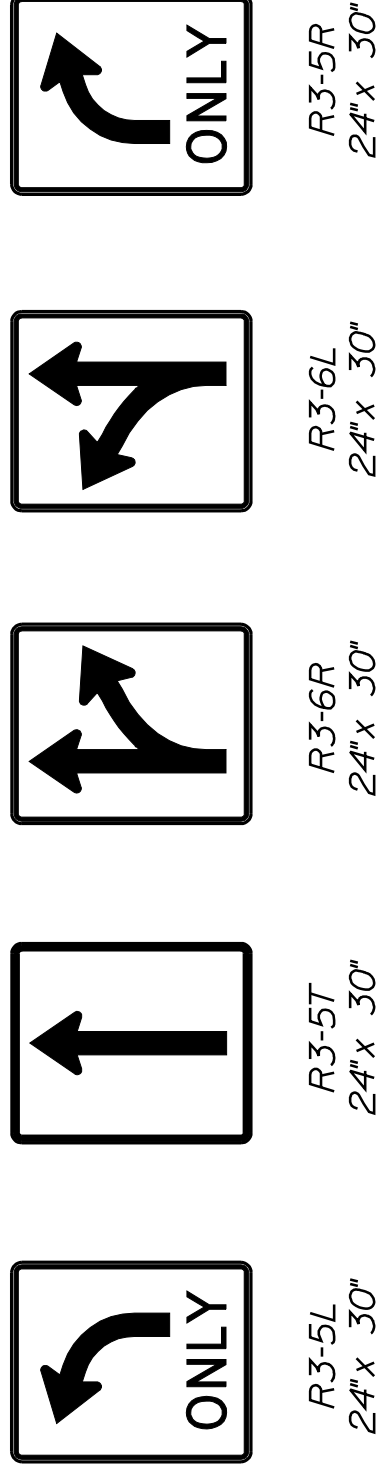
CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0750	643.93 STRAIN POLE	4.000				
	EA					
0760	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	70.000				
	SF					
0770	652.33 DRUM	60.000				
	EA					
0780	652.34 CONE	100.000				
	EA					
0790	652.35 CONSTRUCTION SIGNS	770.000				
	SF					
0800	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	332.000				
	CD					
0810	652.38 FLAGGER	5000.000				
	HR					
0820	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000				
	EA					
0830	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0840	659.10 MOBILIZATION	LUMP	LUMP			
	TOTAL BID					

GENERAL NOTES:

- 1. The Contractor shall meet all requirements of the utility companies when installing equipment on their poles. The Contractor shall be responsible for contacting the utility companies to determine their requirements.
- 2. The locations of all junction boxes shown are approximate. Final locations shall be determined in the field by the Construction Manager.
- 3. The cost of pole risers, signal ahead signs (W3-3) and lane use signs shall be incidental to the cost of Item No. 643.80.
- 4. The Contractor shall take care when hanging left turn heads and lane use signs so as not to block left turn heads from the view of opposing drivers.
- 5. Conduit carrying loop lead-in wire only shall be 2" or larger schedule 80 PVC. Conduit carrying all other wire shall be 3" or larger schedule 80 PVC.
- 6. Advance detectors for Route 3 through traffic shall be Waveironix Advance Detection System with continuous vehicle tracking and safe arrival technology. No substitute shall be accepted.
- 7. The Contractor shall install an optical emergency preemption system at the intersection with red confirmation strobe. Detection to be provided on three approaches. Pidgimek Dr. excluded.

OVERHEAD SIGNS



Install concrete cabinet foundation with controller cabinet, (sta. 292-45.9 - 54.5' ft.)

Install 30" foundation with strain pole, span wires, stabilizing wires, signal heads and lane use signs. (sta. 292-49.7 - 46.0' ft.)

Install 18" foundation with pedestal pole, ped head, push button and R10-4a sign. (sta. 292-23.8 - 37.2' ft.)

Install 18" foundation with pedestal pole, ped head, push button and R10-4a sign. (sta. 292-22.5 - 37.7' ft.)

Install 30" foundation with strain pole, span wires, stabilizing wires, signal heads and lane use signs. (sta. 292-50.8 - 50.7' ft.)

Install 30" foundation with strain pole, span wires, stabilizing wires, signal heads and lane use signs. (sta. 293-37.5 - 49.1' ft.)

Install 2 6' x 40' quadrupole loop detectors with lead-ins.

Install 6' x 40' quadrupole loop detector with lead-in.

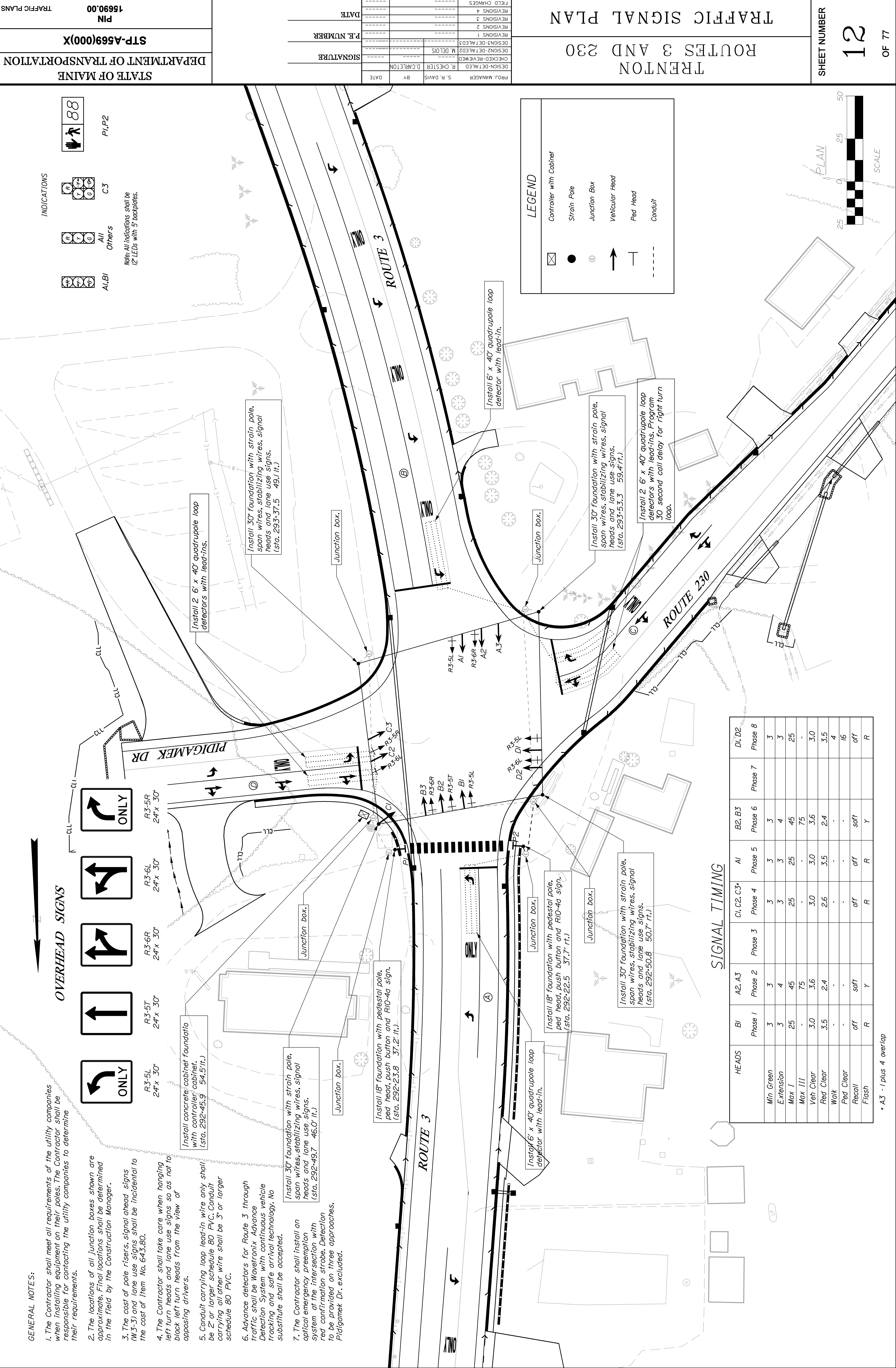
Install 30" foundation with strain pole, span wires, stabilizing wires, signal heads and lane use signs. (sta. 293-53.3 - 59.4' ft.)

Install 2 6' x 40' quadrupole loop detectors with lead-ins. Program 30 second call delay for right turn loop.

SIGNAL TIMING

HEADS	B1	A2, A3	C1, C2, C3*	A1	B2, B3	Phase 6	Phase 7	D1, D2	Phase 8
Min Green	3	3	3	3	3	3		3	3
Extension	3	4	3	3	4	3		3	3
Max I	25	45	25	25	45	25		25	25
Max III	-	75	-	-	75	-		-	-
Yeh Clear	3.0	3.6	3.0	3.0	3.6	3.0		3.0	3.0
Red Clear	3.5	2.4	2.6	3.5	2.4	3.5		3.5	3.5
Walk	-	-	-	-	-	-		4	4
Ped Clear	-	-	-	-	-	-		16	16
Recall	off	soft	off	off	soft	off		off	off
Flash	R	Y	R	R	Y			R	R

* A3 - I plus 4 overlap



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-A569(000)X
PIN
15690.00
TRAFFIC PLANS

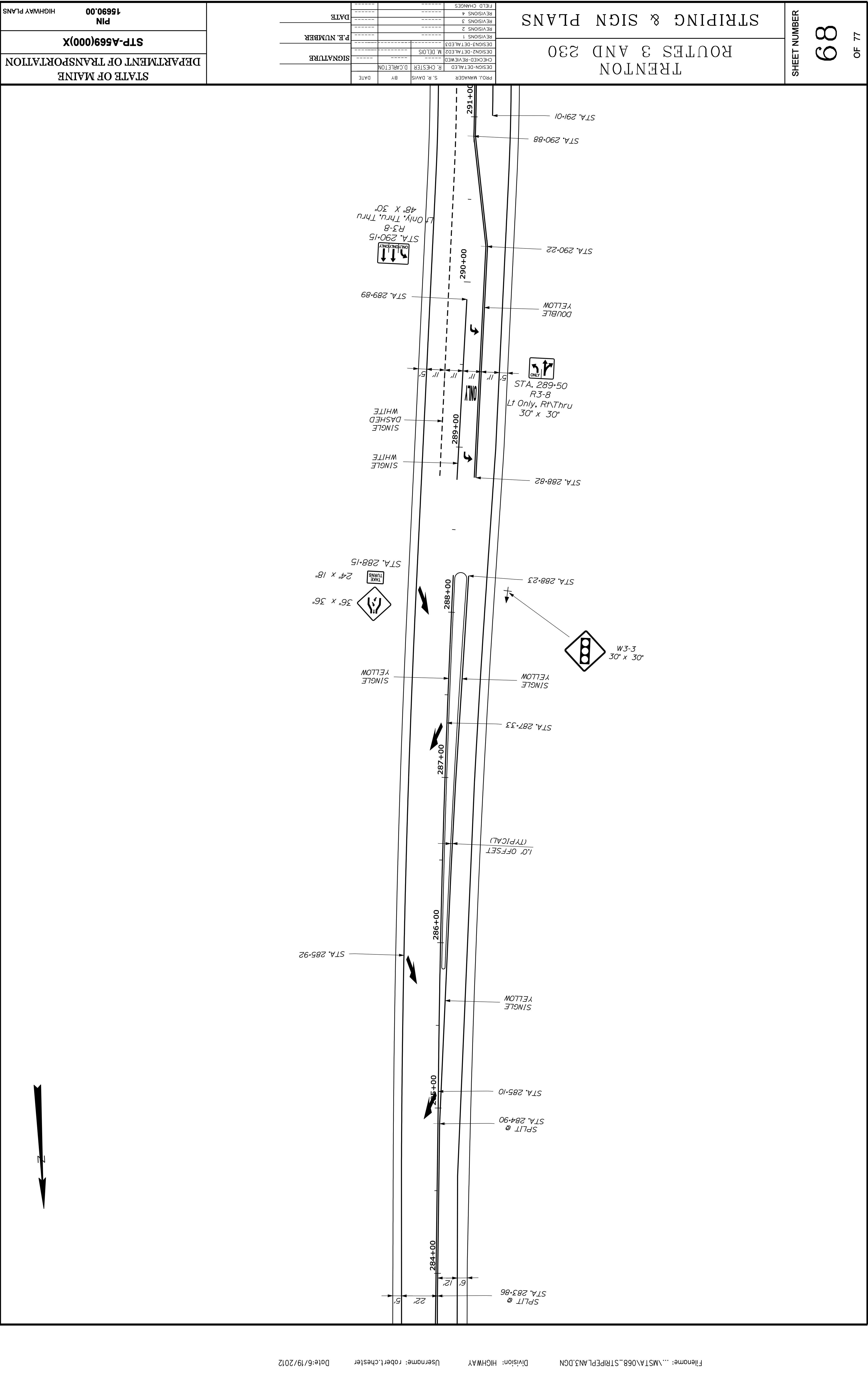
TRAFFIC SIGNAL PLAN
TRENTON
ROUTES 3 AND 230

SHEET NUMBER
12
OF 77

PROJ. MANAGER
S. R. DAVIS
CHECKED-REVIEWED
R. CHESTER
DESIGN-DETAILED
M. DELOIS
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

SIGNATURE
P.E. NUMBER
DATE

DATE



Filename: ...MST\A068_STRIPLEPLAN3.DGN

Division: HIGHWAY

Username: robert.l.chester

Date:6/19/2012

SHEET NUMBER

TRENTON
ROUTES 3 AND 230
STRIPING & SIGN PLANS

PROJ. MANAGER	S. R. DAVIS	BY	DATE
DESIGN-DETAILED	R. CHESTER	D. CARLETON	
CHECKED-REVIEWED	M. DELOIS		
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-A569(000)X

PIN
15690.00
HIGHWAY PLANS

