



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

February 2, 2007
Subject: **Augusta**
Project No. NH-1301(300)E
Pin No. 13013.00
Amendment No. 2

Dear Sir/Ms:

Please make the following changes to the Bid Documents:

In the Bid Book, REMOVE the existing "Schedule of Items" six pages total, dated 070112 and REPLACE with the attached updated "Schedule of Items" six pages total, dated 070202.

REMOVE the existing "Contract Agreement, Offer & Award" two sets, eight pages total and REPLACE with the attached updated "Contract Agreement, Offer & Award" two sets, eight pages total that shows under "C. Price" the added "Section 0005"

In the Plans, REMOVE the existing sheet three of thirty-one titled: "Quantities" and REPLACE with the attached updated sheet three of thirty-one titled: "Quantities" showing "Bid Option 4 Item".

ADD the attached Plan Sheet Twenty-B titled: "Traffic Signal Plan".

The following question has been received.

Question: Item #626.38 on the Schedule of Items posted on the Construction Summary website is not a standard item in the MDOT Details Book, I thought this may be a typographical error and that maybe the item number should be 626.35 as this item is a standard in the Details Book, or could this be a special provision/ special item?

Response: See changes earlier in this amendment to the Schedule of Items and Quantities sheet.

Consider these changes prior to submitting your bid on February 7, 2007.

Sincerely,

Scott Bickford
Contracts & Specifications Engineer



PRINTED ON RECYCLED PAPER

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 013013.00

PROJECT(S): NH-1301(300)E

CONTRACTOR : _____

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

SECTION 0001 PROJECT ITEMS

0010	626.11 PRECAST CONCRETE JUNCTION BOX	4.000 EA				
0020	626.22 NON-METALLIC CONDUIT	310.000 LF				
0030	626.31 18 INCH FOUNDATION	12.000 EA				
0040	626.35 CONTROLLER CABINET FOUNDATION	8.000 EA				
0050	627.407 REFLECTORIZED PLASTIC WHITE OR YELLOW PAVEMENT MARKING	230.000 SF				
0060	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY)	1300.000 LF				
0070	627.77 REMOVING PAVEMENT MARKINGS	500.000 SF				
0080	643.71 TRAFFIC SIGNAL MODIFICATION BRIDGE ST / WATER ST.	LUMP	LUMP			
0090	643.71 TRAFFIC SIGNAL MODIFICATION CONY ST / WILLOW	LUMP	LUMP			
0100	643.71 TRAFFIC SIGNAL MODIFICATION SEWALL ST / CAPITOL ST.	LUMP	LUMP			

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 013013.00

PROJECT(S): NH-1301(300)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	643.71 TRAFFIC SIGNAL MODIFICATION STATE ST / BRIDGE ST.	LUMP	LUMP			
0120	643.71 TRAFFIC SIGNAL MODIFICATION STATE ST / CAPITOL ST.	LUMP	LUMP			
0130	643.71 TRAFFIC SIGNAL MODIFICATION STATE ST / UNION ST.	LUMP	LUMP			
0140	643.71 TRAFFIC SIGNAL MODIFICATION STATE ST / WINTHROP ST.	LUMP	LUMP			
0150	643.71 TRAFFIC SIGNAL MODIFICATION STOREY ST / AUGUSTA XING DRIVEWAY	LUMP	LUMP			
0160	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / AIRPORT RD.	LUMP	LUMP			
0170	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / ARMORY ST.	LUMP	LUMP			
0180	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / AUGUSTA PLAZA	LUMP	LUMP			
0190	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / AUGUSTA XING DRIVEWAY	LUMP	LUMP			
0200	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / EDISON DR.	LUMP	LUMP			

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 013013.00

PROJECT(S): NH-1301(300)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / ORCHARD ST.	LUMP	LUMP			
0220	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / SEWALL ST.	LUMP	LUMP			
0230	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / SHUMAN & NANCY LN.	LUMP	LUMP			
0240	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / STOREY ST.	LUMP	LUMP			
0250	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / WHITTEN RD.	LUMP	LUMP			
0260	643.71 TRAFFIC SIGNAL MODIFICATION WHITTEN RD / TURNPIKE MALL	LUMP	LUMP			
0270	643.81 TRAFFIC SIGNAL CONTROL SYSTEM (INCL. VIDEO BASED SYS. DET)	LUMP	LUMP			
0280	643.83 VIDEO DETECTION SYSTEM WESTERN AVE / ARMORY ST.	LUMP	LUMP			
0290	643.83 VIDEO DETECTION SYSTEM WESTERN AVE / WHITTEN RD.	LUMP	LUMP			
0300	643.86 TRAFFIC SIGNAL LOOP DETECTORS	EA 10.000				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 013013.00

PROJECT(S): NH-1301(300)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0310	643.90 INTERCONNECT WIRE BETWEEN APPROX. 26,000 LF	LUMP	LUMP			
0320	643.92 PEDESTAL POLE	9.000 EA				
0330	643.93 STRAIN POLE	1.000 EA				
0340	643.94 DUAL PURPOSE POLE WOOD	3.000 EA				
0350	643.961 GUY WIRE AND ANCHOR	21.000 EA				
0360	652.31 TYPE I BARRICADE	10.000 EA				
0370	652.33 DRUM	32.000 EA				
0380	652.34 CONE	40.000 EA				
0390	652.35 CONSTRUCTION SIGNS	200.000 SF				
0400	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP	LUMP			
0410	652.38 FLAGGER	190.000 HR				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 013013.00

PROJECT(S): NH-1301(300)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0420	652.381 TRAFFIC OFFICERS	456.000				
		HR				
0430	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0440	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					.

SECTION 0002 SIGNAL OPTION 1
ALT GROUP OS1

0450	643.71 TRAFFIC SIGNAL MODIFICATION WESTERN AVE / ORCHARD ST.	LUMP	LUMP			
	SECTION 0002 TOTAL					.

SECTION 0003 SIGNAL OPTION 2
ALT GROUP OS2

0460	643.83 VIDEO DETECTION SYSTEM CAPITOL ST / SEWALL ST.	LUMP	LUMP			
	SECTION 0003 TOTAL					.

SECTION 0004 SIGNAL OPTION 3
ALT GROUP OS3

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 013013.00

PROJECT(S): NH-1301(300)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0470	643.83 VIDEO DETECTION SYSTEM CAPITOL ST / STATE ST.	LUMP	LUMP			
	SECTION 0004 TOTAL					.
SECTION 0005 SIGNAL OPTION 4 ALT GROUP OS4						
0480	643.71 TRAFFIC SIGNAL MODIFICATION STATE ST. / UNION ST.	LUMP	LUMP			
	SECTION 0005 TOTAL					
	TOTAL BID					

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **13013.00** for **Traffic Signal Modifications** in the city of **Augusta**, County of **Kennebec**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **October 6, 2007**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002 and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

Section 0001 \$ _____

Section 0002 \$ _____

Section 0003 \$ _____

Section 0004 \$ _____

Section 0005 \$ _____

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.

3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **PIN 13013.00 - Traffic Signal Modifications - in the city of Augusta**, State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted for (see checked boxes):

Section 0001

Section 0002

Section 0003

Section 0004

Section 0005

Contract Amount: _____

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David A. Cole, Commissioner

Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **13013.00** for **Traffic Signal Modifications** in the city of **Augusta**, County of **Kennebec**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **October 6, 2007**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002 and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

Section 0001 \$ _____

Section 0002 \$ _____

Section 0003 \$ _____

Section 0004 \$ _____

Section 0005 \$ _____

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.

3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **PIN 13013.00 - Traffic Signal Modifications - in the city of Augusta**, State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted for (see checked boxes):

Section 0001

Section 0002

Section 0003

Section 0004

Section 0005

Contract Amount: _____

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David A. Cole, Commissioner

Witness

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	EACH	4
626.22	NON-METALLIC CONDUIT	LF	310
626.31	450 MM [18 IN] FOUNDATION	EACH	12**
626.35	CONTROLLER CABINET FOUNDATION	EACH	8***
627.407	REFLECTORIZED PLASTIC WHITE PAVEMENT MARKING	SF	230
627.711	WHITE OR YELLOW PAINT PAVEMENT MARKING LINE	LF	1,300
627.77	REMOVE EXISTING PAVEMENT MARKING	SF	500
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVE / SHUMAN AVE / NANCY LANE	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVE / EDISON DRIVE	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVE / WHITTEN ROAD	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WHITTEN ROAD / TURNPIKE MALL	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / STOREY STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / AUGUSTA CROSSING DRIVEWAY	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: STOREY STREET / AUGUSTA CROSSING DRIVEWAY	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / ORCHARD STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / ARMORY STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / AIRPORT ROAD	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / AUGUSTA PLAZA	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / SEWALL STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: SEWALL STREET / CAPITOL STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: STATE STREET / CAPITOL STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: STATE STREET / UNION STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: STATE STREET / WINTHROP STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: STATE STREET / BRIDGE STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: BRIDGE STREET / WATER STREET	LS	1
643.71	TRAFFIC SIGNAL MODIFICATION: CONY STREET / WILLOW STREET	LS	1
643.81	TRAFFIC SIGNAL CONTROL SYSTEM (INCLUDING 7 VIDEO BASED SYSTEM DETECTORS)	LS	1
643.83	VIDEO DETECTION SYSTEM: WESTERN AVENUE / WHITTEN ROAD	LS	1
643.83	VIDEO DETECTION SYSTEM: WESTERN AVENUE / ARMORY STREET	LS	1
643.86	TRAFFIC SIGNAL LOOP DETECTOR	EACH	10*
643.90	INTERCONNECT CABLE (26,000 LF)	LS	1
643.92	PEDESTAL POLE	EACH	9
643.93	STRAIN POLE	EACH	1
643.94	DUAL PURPOSE POLE (WOOD)	EACH	3
643.961	GUY AND ANCHOR FOR WOOD POLE	EACH	21
652.31	TYPE I BARRICADE	EACH	10
652.33	DRUM	EACH	32
652.34	CONES	EACH	40
652.35	CONSTRUCTION SIGNS	SF	200
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	LS	1
652.38	FLAGGERS	MH	190
652.381	UNIFORM TRAFFIC CONTROL OFFICERS	MH	456
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LS	1
659.10	MOBILIZATION	LS	1

NOTES:

- SEE LIST OF MAJOR EQUIPMENT ON SIGNAL PLAN SHEETS FOR ITEMIZATION OF WORK ITEMS 643.71.
- SEE SIGNAL PLAN SHEET 11, 15, AND 18 FOR 627 ITEMS THAT ARE REQUIRED TO ACCOMMODATE PROPOSED PAVEMENT MARKING REESTABLISHMENT AND LANE USE MODIFICATIONS, RESPECTIVELY.
- ANY ADDITIONAL PAVEMENT MARKING MODIFICATIONS OR REESTABLISHMENT SHALL BE COMPLETED BY OTHERS AS NEEDED.

* = FIVE SPECIFIED LOCATIONS (AT CAPITOL STREET/SEWALL STREET) PLUS FIVE UNDETERMINED LOCATIONS.

** = NINE SPECIFIED LOCATIONS PLUS THREE UNDETERMINED LOCATIONS.

*** = SIX SPECIFIED LOCATIONS PLUS TWO UNDETERMINED LOCATIONS.

BID OPTION 1 ITEM			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
643.71	TRAFFIC SIGNAL MODIFICATION: WESTERN AVENUE / ORCHARD STREET	LS	1

BID OPTION NOTES:

- SEE LIST OF MAJOR EQUIPMENT ON SIGNAL PLAN SHEET 13B FOR ITEMIZATION OF WORK ITEMS.
- ANY ADDITIONAL EQUIPMENT OR WORK THAT IS NOT SHOWN ON THE PLANS BUT FOUND TO BE NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL TRAFFIC CONTROL SYSTEM SHALL BE SUBSIDIARY TO THAT INTERSECTIONS ITEM NUMBER.

BID OPTION 2 ITEM			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
643.83	VIDEO DETECTION SYSTEM: CAPITOL STREET / SEWALL STREET	LS	1

BID OPTION NOTES:

- SEE LIST OF MAJOR EQUIPMENT ON SIGNAL PLAN SHEET 18B FOR ITEMIZATION OF WORK ITEMS.
- ANY ADDITIONAL EQUIPMENT OR WORK THAT IS NOT SHOWN ON THE PLANS BUT FOUND TO BE NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL TRAFFIC CONTROL SYSTEM SHALL BE SUBSIDIARY TO THAT INTERSECTIONS ITEM NUMBER.

BID OPTION 3 ITEM			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
643.83	VIDEO DETECTION SYSTEM: CAPITOL STREET / STATE STREET	LS	1

BID OPTION NOTES:

- SEE LIST OF MAJOR EQUIPMENT ON SIGNAL PLAN SHEETS 19B FOR ITEMIZATION OF WORK ITEMS.
- ANY ADDITIONAL EQUIPMENT OR WORK THAT IS NOT SHOWN ON THE PLANS BUT FOUND TO BE NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL TRAFFIC CONTROL SYSTEM SHALL BE SUBSIDIARY TO THAT INTERSECTIONS ITEM NUMBER.

BID OPTION 4 ITEM			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
643.71	TRAFFIC SIGNAL MODIFICATION: UNION STREET / STATE STREET	LS	1

BID OPTION NOTES:

- SEE LIST OF MAJOR EQUIPMENT ON SIGNAL PLAN SHEET 20B FOR ITEMIZATION OF WORK ITEMS.
- ANY ADDITIONAL EQUIPMENT OR WORK THAT IS NOT SHOWN ON THE PLANS BUT FOUND TO BE NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL TRAFFIC CONTROL SYSTEM SHALL BE SUBSIDIARY TO THAT INTERSECTIONS ITEM NUMBER.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1301(300)E
PIN
PIN 13013.00

DATE
1/06
2/06
2/07
SIGNATURE
P.E. NUMBER
DATE

AUGUSTA
QUANTITIES

SHEET NUMBER

3

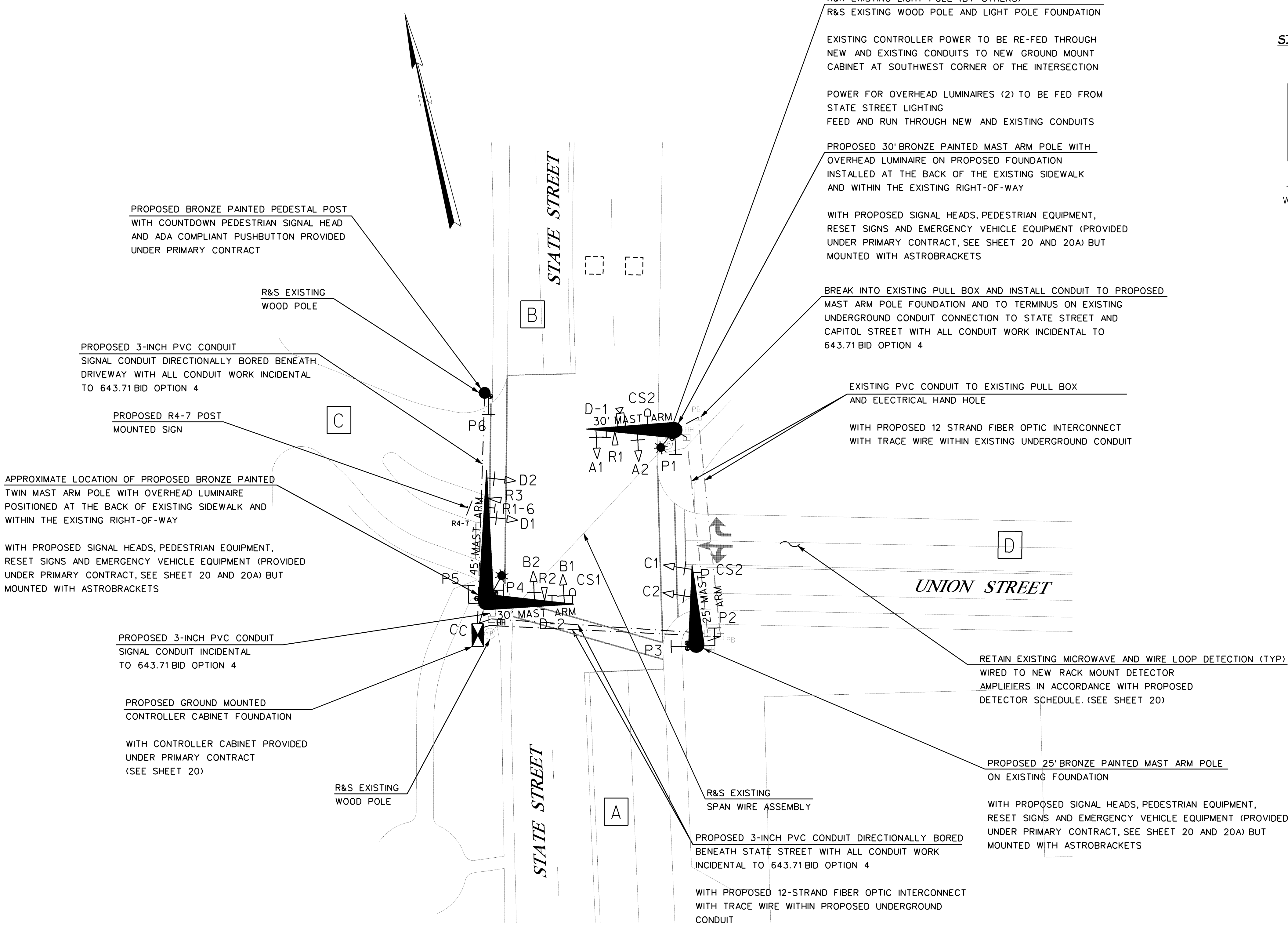
LIST OF MAJOR EQUIPMENT

EQUIPMENT AND WORK ITEMS 643.71 / BID OPTION 4	QUANTITY
FURNISH AND INSTALL GROUND MOUNTED CABINET FOUNDATION (INCIDENTAL TO 643.71 FOR THIS BID OPTION 4)	1
FURNISH AND INSTALL BRONZE PAINTED GALVANIZED STEEL MAST ARM POLE WITH LIGHT LUMINAIRES ARM AT A 35-FOOT MOUNTING HEIGHT ON NEW CONCRETE FOUNDATION. THE SIGNAL ARM SHALL BE 30-FEET AND PERPENDICULAR TO STATE STREET. THE LIGHT LUMINAIRES ARM SHALL BE ROTATED 45 DEGREES FROM THE MAST ARM POLE.	1
FURNISH AND INSTALL BRONZE PAINTED GALVANIZED STEEL MAST ARM POLE MATCHING THE BOLT PATTERN OF THE EXISTING CONCRETE FOUNDATION WITH A 25-FOOT MAST ARM PARALLEL TO STATE STREET.	1
FURNISH AND INSTALL BRONZE PAINTED TWIN GALVANIZED STEEL MAST ARM POLE AND FOUNDATION WITH LIGHT LUMINAIRES ARM AT A 35-FOOT MOUNTING HEIGHT ON NEW CONCRETE FOUNDATION WITH ARM PARRELLING STATE STREET BEING 45-FEET IN LENGTH AND THE ARM PERPENDICULAR TO STATE STREET BEING 30-FEET IN LENGTH.	1
FURNISH AND INSTALL BRONZE PAINTED 8-FOOT PEDESTAL POST ON NEW CONCRETE FOUNDATION.	1
FURNISH AND INSTALL ASTROBRACKETS FOR SIGNAL HEADS	8
FURNISH AND INSTALL R4-7 POST MOUNTED SIGN	1
FURNISH AND INSTALL DIRECTIONALLY BORED 3-INCH SIGNAL CONDUIT (INCIDENTAL TO 643.71 FOR THIS BID OPTION 4)	250 LF

SEE ALSO APPLICABLE MAJOR ITEMS IN THE EQUIPMENT LIST ON SHEET 20 FOR INSTALLATION ON PROPOSED MAST ARMS AND FOUNDATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO TRAFFIC SIGNAL CONTROLLER AND CABINET, ANCILLARY CABINET EQUIPMENT, VEHICLE SIGNAL HEADS, PEDESTRIAN EQUIPMENT, EMERGENCY VEHICLE PREEMPT, OVERHEAD SIGNS AND FIBER OPTIC EQUIPMENT.

THE QUANTITIES LISTED ABOVE ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY.

- NOTES:
- MAST ARMS AND POLES SHALL BE HOT DIPPED, GALVANIZED AND PAINTED BRONZE TO BE CONSISTENT WITH EXISTING BRONZE PAINTED MAST ARM POLES AT STATE STREET AND CAPITOL STREET (INTERSECTION 12) AND SEWALL STREET AND CAPITOL STREET (INTERSECTION 11)
 - MAST ARM POLES SHALL BE ON A MINIMUM 30 INCH DIAMETER FOUNDATION AS RECOMMENDED BY THE CONTRACTOR AND EXTEND 10 FEET BELOW EXISTING GRADE OR PROPOSED GRADE, WHICHEVER IS LOWER.
 - ALL SIGNAL HEADS SHALL BE MOUNTED TO MAST ARMS WITH ASTROBRACKETS.
 - ALL MATERIALS AND WORK COMPLETED UNDER THIS CONTRACT SHALL CONFORM TO THE MAINE DOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS AND WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
 - UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR FINDING EXACT LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT DIG SAFE AT 1-800-DIG-SAFE.
 - CONTRACTOR SHALL CONTACT UTILITIES UPON AWARE OF THE CONTRACT. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES SO THAT THE TRAFFIC SIGNAL INSTALLATION IS DONE AFTER THE UTILITIES HAVE BEEN RELOCATED BY THE RESPECTIVE UTILITY COMPANIES.
 - CONTRACTOR IS RESPONSIBLE FOR OBTAINING MAINE DOT OPENING PERMIT, IF NECESSARY.
 - ALL PEDESTRIAN HEADS SHALL BE L.E.D. AND INCLUDE THE COUNTDOWN FEATURE.
 - ALL EXISTING SPAN WIRE MOUNTED TRAFFIC SIGNAL EQUIPMENT NOT REUSED SHALL BE REMOVED, INCLUDING THE SPAN WIRE AND ASSOCIATED HARDWARE.
 - ALL SIGNAL HEADS AND LANE USE SIGNS SHALL BE CENTERED AS CLOSE AS PRACTICABLE TO THE CENTER OF THE APPROACHING LANE.
 - ALL SIGNAL STRUCTURES SHALL MEET CITY OF AUGUSTA SPECIFICATIONS AS OUTLINED IN THE CONTRACT SPECIFICATIONS.



REFER TO SHEET 20 FOR THE FOLLOWING INFORMATION IF THIS BID OPTION IS EXECUTED:

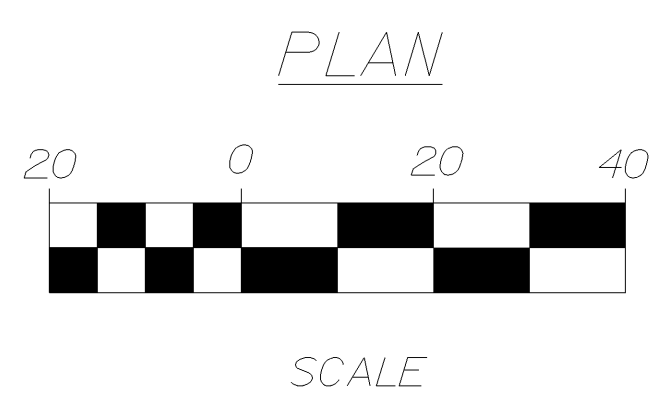
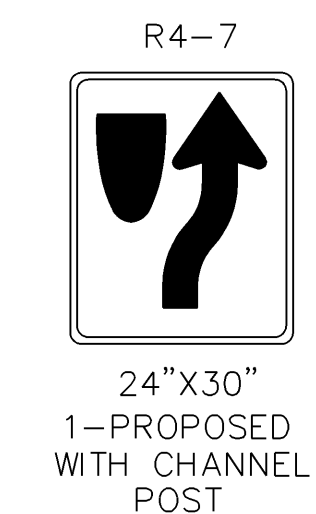
- PHASING SEQUENCE
- SIGNAL HEAD DATA
- SIGNAL TIMING SCHEDULE
- COORDINATION CYCLES/SPLITS/OFFSET SCHEDULE
- SYSTEM DESIGN VOLUMES
- DETECTOR SCHEDULE
- LED LENSE SCHEDULE
- LIST OF MAJOR EQUIPMENT (SIGNAL HEADS, CONTROLLER CABINET, ETC.)

REFER TO SHEET 20A FOR THE FIBER OPTIC CABLE ROUTING AND SPLICE TABLE, AND SIGN SCHEDULE AS WELL AS EMERGENCY VEHICLE PREEMPTION INFORMATION.

INTERSECTION:
STATE STREET
AND UNION STREET
SIGNAL GROUP:
4
PROJECT NODE NUMBER:
13 / 405

BID OPTION 4

SIGN SCHEDULE



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1301(300)E
PIN
PIN 13013.00

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	J. MANSER	BY	DATE
	C. BOBAY	J. ROBERT			2/07
	J. MOLINARO	P. MAJORS			2/07
	DESIGN-DET. FILED 03	REVISIONS 1			
	DESIGN-DET. FILED 03	REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			

AUGUSTA
STATE STREET AND UNION STREET
TRAFFIC SIGNAL PLAN

SHEET NUMBER
20B
OF 31

THIS PLAN WAS DIGITIZED FROM SITE DRIVEWAY REVISION SK-1A PROVIDED BY GORRILL-PALMER CONSULTING ENGINEERS, INC.
SEE ALSO GENERAL NOTE 39 FOR ADDITIONAL BASE PLAN INFORMATION.