

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2016.06

GUIDE SIGNING UPGRADES

MAINE TURNPIKE EXIT 75 TO EXIT 109

(MILE MARKER 70.7 TO 110.5)

General

The Pre-Bid meeting was held on March 10, 2016 at the Maine Turnpike Authority office. The deadline for questions regarding Contract 2016.06 was Friday March 11, 2016. Addendum No. 1 is scheduled to be issued on Tuesday March 15, 2016. Any additional questions received after the Addendum is submitted may not be answered.

Make the following changes to the bid documents:

In the Contract Documents, Proposal, pages P-2 through P-5 (bidding sheets) shall be **DELETED** and **REPLACED** with pages P-2 through P-5 included in this Addendum.

In the Contract Documents, Part II – Special Provisions, pages i and ii (Table of Contents) shall be **DELETED** and **REPLACED** with pages i and ii included in this Addendum.

In the Contract Documents, Part II – Special Provisions, on page SP-8 **REPLACE** subsection 107.1.1, bullet 3 with the following (replacement sheet included in this Addendum):

- All supports to be salvaged have been removed, salvaged and delivered to the Sign Shop; and
- All foundations to be removed have been removed to a depth of 12 inches below grade.

In the Contract Documents, Part II – Special Provisions, **RENUMBER** Special Provision 645 (Remove and Reset Sign; Remove and Stack Sign) as pages SP-16 and SP-17, included in this Addendum.

In the Contract Documents, Part II – Special Provisions, **INSERT** Special Provision 626 (30-inch Diameter Foundation) as new pages SP-14 and SP-15, included in this Addendum.

In the Contract Documents, Part II – Special Provisions, pages SP-16 and SP-17 Special Provision 645 (Removing and Salvaging Pre-Cast Foundations) shall be **DELETED** without replacement.

In the plans, Sheet 2 of 119 (General Notes) shall be **DELETED** and **REPLACED** with Plan Sheet #2 included in this Addendum.

In the plans, Sheet 6 of 119 (Map 3) shall be **DELETED** and **REPLACED** with Plan Sheet #6 included in this Addendum.

In the plans, Sheet 7 of 119 (Map 4) shall be **DELETED** and **REPLACED** with Plan Sheet #7 included in this Addendum.

In the plans, Sheet 19 of 119 (Sign Summary Sheet 10) shall be **DELETED** and **REPLACED** with Plan Sheet #19 included in this Addendum.

In the plans, Sheet 109 of 119 (Bid Alternate 2 Sign Summary Sheet 1) shall be **DELETED** and **REPLACED** with Plan Sheet #109 included in this Addendum.

Questions:

The following are questions that were asked at the pre-bid meeting held on March 10, 2016 or submitted to Maine Turnpike Authority in writing by the March 11, 2016 deadline. Answers to the questions are noted below. Bidders shall utilize this information in preparing their bid.

Question 1: Plan Sheet 2, Sign Supports and Foundations Note #3 references what the Contractor is required to do if ledge is encountered at a depth less than required for the foundation. How does the Contractor get paid for rock excavation or a grouted rock-anchored foundation?

Response: Upon notice by the Contractor of ledge encountered and verification by the Resident, the Authority may consider locations where ledge is encountered at less than the required foundation depth to be a Differing Site Condition in accordance with Supplemental Specification 109.4. The Authority retains the right to investigate and adjust the installation requirements in accordance with Supplemental Specification 109.4.4. If the Authority determines that the location is a Differing Site Condition, the Contractor may be entitled to an Equitable Adjustment by negotiation or force account as detailed in Supplemental Specification 109.7 and 109.7.5.

Question 2: Plan Sheet 2, Sign Supports and Foundations Note #4 references unsuitable soil conditions. Is the Contractor required to provide a structural design for a new cast-in-place foundation?

Response: Upon notice by the Contractor of unsuitable soil conditions as verified by the Resident, the Authority may elect to relocate the sign or provide an alternative foundation design to the Contractor. Plan Sheet 2, Sign Supports and Foundations Note #4 has been revised to reflect this change.

Question 3: If the Contractor provides precast foundations that cannot be used due to existing soil conditions (ledge or unsuitable soils), how does the Contractor get reimbursed for the cost of the precast foundation, including having to replace the anchor bolts, reinforcing steel, and breakaway couplings, as appropriate?

Response: The Authority has determined that if the Contractor has pre-purchased a properly fabricated precast foundation and finds that the location cannot accommodate the precast foundation the Contractor proposed for the location, the Authority will make an Equitable Adjustment by negotiation or force account as detailed in Supplemental Specification 109.7 and 109.7.5.

Question 4: The pay items include Item 626.33 for 30" diameter foundations at 8-feet or less (paid per Each) and Item 626.332 for 30" foundations that are longer than 8-feet (paid by the Cubic Yard). Will the Contractor be paid by the Cubic Yard for any 30" foundation longer than 8-feet?

Response: The Authority has eliminated Item 626.332 for 30" foundations to be paid by the Cubic Yard. Instead, the Authority has provided the attached new Special Provision 626 to pay for all 30" foundations by each, regardless of the length.

Question 5: Is the Contractor required to field survey all proposed locations that get new steel posts? Can the Contractor rely on the lengths of posts indicated in the plans?

Response: The H-beam support lengths shown in the plans were approximated for bidding purposes only. The Contractor is required to field survey all proposed locations that receive new steel posts prior to fabrication of new steel H-beams.

Question 6: How does the Contractor know how many precast foundations existing in order to put a fair price to the removal and salvage of precast foundations?

Response: The Authority has determined that all foundations where steel beams have been removed and salvaged shall be removed to 12 inches below grade and buried. The pay item for remove and salvage concrete foundation has been eliminated from the project.

Question 7: How will the Contractor's responses to the supplemental questions for the Statement of Qualifications be evaluated?

Response: The Authority will consider both the Contractor's previous experience with highway sign installation and previous experience with Interstate temporary traffic control to determine the Contractor's ability to complete this project.

Question 8: Special Provision 719.01 Reflective Sheeting indicates that retroreflective sheeting for signs on this project shall be ASTM 4956 – Type XI (Prismatic) manufactured by 3M Company. Can this specification be opened to reference Type XI sheeting that meets ASTM D4956, regardless of manufacturer?

Response: No. The Authority has determined that based on the Authority's experience with 3M Company sign sheeting and the preponderance of existing and in development guide signs on the Turnpike corridor with 3M-manufactured sheeting, this project will be restricted to ASTM D4956 Type XI (Prismatic) sign sheeting manufactured by 3M Company.

Question 9: Will digitally printed guide signs be allowed for this project?

Response: No.

Attachments

The following items have been attached to this Addendum, to replace the sheets that have changed as a result of this Addendum. These items shall be considered as part of the bid submission. The total number of pages included with this Addendum is twenty-six (26).

- Pre-Bid Agenda (4 pages)
- Pre-Bid Sign-In Sheet (1 page)
- Plan Sheets #2, #6, #7, #19 and #109 (5 pages)
- Proposal Sheets P-2 through P-5 (4 pages)
- Part II - Special Provisions Sheets i, ii, SP-8, SP-14 through SP-17 (7 pages)

All bidders are requested to acknowledge the receipt of the Addendum No. 1 by signing below and faxing this sheet to Nate Carll, Purchasing Department, (207) 871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 1 on Page P-6 of the bid package.

Business Name

Print Name and Title

Signature

Date

March 15, 2016

Very truly yours,

MAINE TURNPIKE AUTHORITY

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2016.06

Guide Signing Upgrades

Exit 75 to Exit 109 (MM 70.7 to MM 110.5)

March 10, 2016 11:00 AM

1) Location:

The general limits of work are from mile marker 70.7 to 110.5 (MM 70.7 to MM 110.5). Guide signs included for upgrade are the signs for Exits 75, 80, 86, 102, 103, and 109 (northbound approach) along the Maine Turnpike.

2) General Description:

The work consists of removing, replacing and installing new highway signs along the Maine Turnpike from south of Exit 75 to south of Exit 109 at the northern end of the Maine Turnpike in the Cities of Auburn, Lewiston, Hallowell, and Augusta and the Towns of New Gloucester, Litchfield, Sabattus, West Gardiner and Farmingdale. The work includes furnishing, installing and salvaging aluminum signs, steel H-beam sign supports, concrete foundations, maintenance of traffic and all other work incidental thereto in accordance with the Plans and Specifications.

3) Bid:

- a) March 18, 2016 at 11:00 A.M. at MTA headquarters 2360 Congress Street, Portland.
- b) All bid and contractual questions shall be directed to Purchasing Department, Phone No. (207) 482-8115
- c) All questions on plans and specifications shall be in writing and shall be directed (faxed) to Purchasing Department, of the Maine Turnpike Authority. Fax No. (207) 871-7739 or email ncarll@maineturnpike.com

4) Analysis of Bids (Special Provision 103.1) and Notice of Award (Special Provision 103.4)

- a) The Project includes a Base Project and two Bid Alternates. Bid Alternates are clearly indicated in the Plans and the bidding sheets. The Bids will be analyzed and compared based on the Base Project Total Price, excluding the Bid Alternates. Therefore, the Apparent Low Bidder will be determined as the Bidder that submits the lowest responsive Bid based on the Base Project Total Price.
- b) Upon the Authority's review of the Base Project Total Price from the Apparent Low Bidder and based on the Authority's available budget, the Authority may also review the Bid Alternate prices from the Apparent Low Bidder. The Authority, at its sole discretion, may decide to award a Contract to the Low Bidder that includes the Base Project and one, both or neither of the Bid Alternates.

5) Notification:

- a) Contractor shall notify and obtain approval from the Authority prior to visiting the Project site for field inspection. The contact person is Mr. Steve Tartre at (207) 482-8114.
- b) Pre-Qualification: Contractors shall be on the MaineDOT Pre-Qualified list for Highway, Bridge and/or Traffic Signal and Lighting. In addition, Contractors shall submit a Statement of Qualifications to demonstrate that the Contractor has the experience and expertise to conduct the work included in this project.

6) Construction Schedule/Prosecution of Work:

- i) April 4, 2016 Contract Start
- ii) December 2, 2016 Contract Substantial Completion Date
- iii) June 2, 2017 Contract Completion Date
- b) Liquidated damages assessed in accordance with Subsection 107.7.2 for each calendar day substantial completion is not achieved.

7) Maine Department of Labor – Fair Hourly Wages (Special Provision 104.3.8)

- a) Heavy and Bridge wages
- b) Highway and Earthwork wages

8) Permit Requirements (Special Provision 105.8.2)

- a) The Project is subject to the requirements of the Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity
- b) A Notice of Intent (NOI) has not been issued or required for this project; however, the Contractor is still responsible to conduct the work in accordance with erosion and sedimentation control best practices.
- c) MaineDOT Best Management Practices
- d) The limit of disturbance (LOD) for this project has been estimated to be 0.5 acres. The Contractor shall prepare a LOD plan illustrating the Contractor's proposed limit of earthwork disturbance in accordance with Special Provision 105.8.2.
- e) It is noted that portions of this project are within the Authority's Municipal Separate Storm Sewer Systems (MS4) area for Auburn and Lewiston. As a condition for Contract Award, the Contractor shall review, sign, and comply with the MS4 Stormwater Awareness Plan and the MS4 Targeted BMP Adoption Plan, included as Appendices C and D of this Proposal.

9) General Requirements

- a) U-Turns at toll plazas and median openings not allowed. (Supplemental Specification 105.5.1)
- b) Contractor access to and from the mainline shall not negatively impact mainline traffic flow. The Contractor may be required to establish lane closures to provide for safe access. Refer to Special Provision 652, Specific Project Maintenance of Traffic Requirements, for lane closure requirements and restrictions.
- c) All vehicles used on the Project, including delivery trucks and personal vehicles, shall be equipped with amber flashing beacons in accordance with the Special Provision 652.3.4.
- d) Class III safety vests must be worn at all times by construction workers, including concrete delivery truck drivers when not in their vehicle.

10) Traffic Control (Special Provision Section 652):

- a) Contractor is responsible for supplying all traffic control devices.
- b) Contractor is responsible for placement, relocation, removal and maintenance of traffic control devices. Maintenance of traffic control devices is a 24-hour a day, seven day per week, responsibility as long as traffic control devices are within the Authority right-of-way. Contractor shall inspect devices as required.
- c) Turnpike Lane closures
 - i) One lane of traffic flowing in each direction at all times. Minimum traveling width of 14' required.
 - ii) Requests for temporary lane closures shall be submitted a minimum of two working days in advance of scheduled closure. Requests are subject to approval by MTA.
- d) Overnight stoppages of traffic for erection or removal of overhead signs
 - i) Fee of \$2,500 per five minute period for each roadway (northbound and southbound) if the complete stoppage of traffic exceeds 25 minutes
 - ii) Requests shall be submitted five days in advance of schedule stoppage. Request subject to approval of MTA.
- e) Stoppages of traffic for moving heavy or slow equipment across or on the travel lanes (stoppages less than five minutes)
 - i) Fee of \$500 per five minutes in excess of the five minute allowance.
 - ii) Requests shall be submitted two working days in advance of scheduled stoppage. Request subject to approval by MTA.
- f) All signs, which do not apply to current construction activity, shall be 100% covered or removed in accordance with the plans. This includes any speed limit signs when work zone speed is in operation.
- g) Traffic control devices shall be NCHRP 350 compliant.

11) Specific Contract Items

- a) Special Provision 107.4.6 Prosecution of Work – The following activities have specific restrictions:
 - i) Existing signs to be removed shall remain in place and unobstructed until the replacement sign has been installed.
 - ii) The existing Kaplan University signs shall not be removed until the Contractor has installed the corresponding new signs.
 - iii) The existing Lewiston Sports Complex signs shall not be removed until the Contractor has installed the proposed Attractions signs for Exit 80.
 - iv) The existing Shaker Village signs shall not be removed before July 30, 2016.
- b) Special Provision 645 Remove and Stack Sign – Removed signs shall be salvaged to the Authority. The Contractor shall deliver salvaged signs, broken down into not greater than 100 SF sections, to the MTA Sign Shop off of Blackstrap Road.
- c) Special Provision 645 Removing and Salvaging Pre-Cast Foundations – The Authority wants to retain any existing foundations that are to be removed that were pre-cast when installed. The Contractor shall expose foundations to be removed so the Resident can determine if they are to be completely removed and salvaged or removed to 12 inches below grade (in place). The Authority does not know how many foundations may be subject to salvaging and has estimated a total of 12 foundations for the purposes of bidding.
- d) Special Provision 645 Protection of Signs with Type XI Sheeting and Special Provision 719 Signing Material – All proposed signs shall be fabricated with Type XI Sheeting manufactured by

3M Company. The Contractor is warned to exercise all due caution to avoid damage to the sheeting surface during fabrication, transportation, storage, and erection.

12) Questions

Guide Sign Pre-Bid March 10, 2016

Name	Company	Phone	Email
Kim Swinn	Hyman & Simpson	737-4471	kswinn@hymanandsimpson.com
Giles Scott	Scott Construction Corp	632-0521	gscott207@gmail.com
JAKE ADAMS	CPM	865-0000	JWADAMS@CPMCONSTRUCTION.COM
Mark Swennen	UHB	603-391-3980	mswennen@uhb.com
Ralph Norwood	MTA	482-8348	rnorwood@marie.turnpike.com
Steve Tantre	MTA	831-5814	stantre@marie.turnpike.com

Date: 3/15/2016

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GENERAL

- All work shall conform to the 2014 edition of the Maine Department of Transportation (MaineDOT) Standard Specifications, except as modified by the Maine Turnpike Authority (MTA) Supplemental Specifications and Special Provisions.
- Construction shall be in conformance with the 2014 edition of the MaineDOT Standard Details and the MaineDOT Best Management Practices for Erosion and Sediment Control (latest edition and revisions) unless otherwise indicated in these plans.
- No separate payment for superintendent or foreman will be made for the supervision of equipment being paid for under the equipment rental items.
- No formal survey was conducted for the construction of this project. All design was based on aerial photography and field investigations. The baseline included in the plan set was established by the MTA for general use only. The Contractor shall be responsible for confirming actual elevations for the proposed sign locations.
- All proposed guide signs shall be fabricated from extruded aluminum planks with ASTM D4956 Type XI high intensity micropismatic reflective sheeting with direct applied letters, numerals, symbols, borders and overlays consisting of Type XI reflective sheeting.
- Where signs require a six (6) inch panel, the 6-inch panel shall be attached at the bottom of the sign.
- Where signs indicate a need for stiffeners, the Contractor shall furnish and install auxiliary panel supports equal to twice the height of the panels to be stiffened. Each stiffener shall be clamped to the H-beam supported and unsupported portion of the signs every 12 inches on the left and right sides of the stiffener.
- The Contractor shall stake out the locations of all signs to be installed on new supports for review and approval by the Resident prior to ordering and fabricating steel H-beam supports.
- The length of the vertical supports shown on the Plans are approximate. The Contractor is responsible for determining the final sign support lengths to fit the approved sign location.
- The Contractor shall be responsible for conducting his own actual elevation and cross-section investigations for signs proposed for new supports. Additionally, the Contractor shall conduct accurate measurements of the existing elevations and existing support lengths when adding a third sign support to an existing structure. The third support shall be in line with the existing two supports.
- Existing signs shall be maintained until the new signs are installed. When new signs are installed in front of existing signs, the Contractor should install the supports and the sign on the same day. Alternatively, the Contractor may elect to install the supports in advance of installing the sign; however, the Contractor shall not leave posts installed for more than one week prior to installing the new sign.
- It is noted that the Authority may remove some of the indicated signs prior to the Contractor's notice to proceed. The Contractor shall notify the Resident of any signs that do not match the sign images shown in the plans.
- The Contractor shall contact Dig Safe prior to any excavation work. The Contractor shall also contact Dig Smart to locate Authority utilities within each project area.
- Signs installed on existing overhead sign structures shall have sign clips attached on each side of all sign supports (W6x9) for every 12-inch and 6-inch panel. The Contractor shall furnish and install all post clips required to meet this requirement.

SIGN SUPPORTS AND FOUNDATIONS

- All new steel H-beam supports shall extend to the top of the new sign.
- Where indicated on the plans, the Contractor shall install new steel H-beam sign supports on new concrete foundations. The Contractor is encouraged to consider using pre-cast foundations for the 24 inch and 30 inch diameter foundations. In the event the Contractor discovers ledge, unsuitable soils or other differing site conditions, the Authority will make an equitable adjustment in accordance with Supplemental Specification 109.7.
- If the Contractor encounters ledge at a depth less than the required foundation depth, the Contractor has the option to remove the rock to the depth required for the foundation for to construct a grouted rock-anchored foundation in accordance with MaineDOT Standard Detail 626(06).
- If the Contractor encounters unsuitable soils (including but not limited to organic materials, peat, clay, or previously disturbed soils) within the limits of the foundation excavation, the Contractor shall remove the unsuitable materials to the limits directed by the Resident. Alternatively, the Authority has the right to relocate the proposed foundation to avoid the unsuitable soils.
- Unless otherwise directed by the Resident due to the site soils, the Contractor shall construct sign support foundations to the following depths:
 - For W8x18 H-beam posts Foundations shall be 24-inch diameter x 7'-0" depth
 - For W10x22 H-beam posts Foundations shall be 24 inch diameter x 8'-0" depth
 - For W12x26 H-beam posts Foundations shall be 30 inch diameter x 8'-0" depth
 - For W14x30 H-beam posts Foundations shall be 30 inch diameter x 9'-0" depth
- Where indicated on the plans, the Contractor shall remove and salvage the top section of breakaway sign supports (above the hinge plates) and replace with new sign support sections and new hinge plates to the top of the installed signs.

SALVAGING SIGNS AND SIGN SUPPORTS

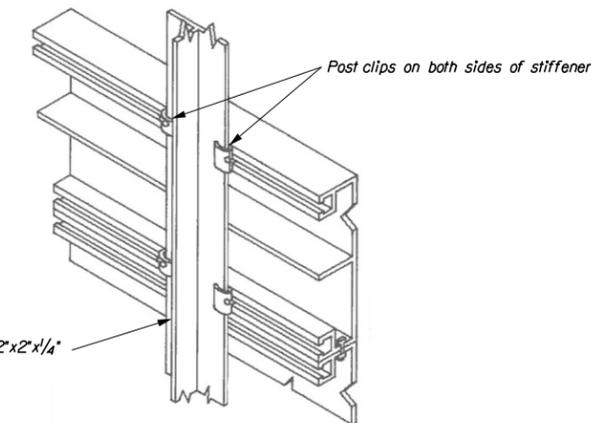
- The Authority has the right of first refusal on salvaging all removed equipment for this project. The Contractor shall take care when removing signs and sign supports to avoid additional wear and tear to the existing hardware. The Contractor shall transport and deliver all accepted salvaged materials, equipment and hardware to the Maine Turnpike Authority Sign Shop, located along the Turnpike northbound roadway at Milepoint 58. Delivery of salvaged materials shall be coordinated through the Resident.
- Salvaging Signs All signs removed under this project shall be salvaged, stacked, and delivered to the Authority's Sign Shop. The signs shall be salvaged with all existing post clips attached.
- Salvaging Sign Supports All steel sign supports removed under this project shall be salvaged and delivered to the Authority's Sign Shop. Each support salvaged shall be identified by the milepoint from which it was removed, its overall length, and its size (if known). All wooden sign supports removed under this project shall be disposed of by the Contractor in a manner acceptable to the Resident.

TRAFFIC CONTROL

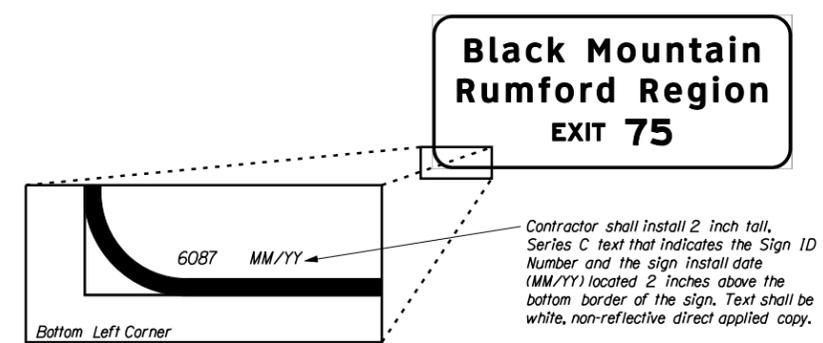
- All traffic control equipment shall conform to the 2014 edition of the MaineDOT Standard Specifications and applicable traffic control standards and practices of the Authority.
- All traffic control equipment, devices, and temporary traffic controls shall conform to the 2009 edition of the Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD), Chapter 6 and the 2014 edition of the MaineDOT Standard Details. Specific temporary traffic controls for use along the Maine Turnpike are provided in the Plans for use by the Contractor.
- All temporary traffic control signs, sign support structures, channelizing devices, flashing arrow panels (FAP), portable changeable message signs (PCMS) and other traffic control equipment along the roadside shall meet or exceed NCHRP 350 Test Level 3 (TL-3) requirements.
- All temporary traffic control signs shall have ASTM D4956 Type VII, Type VIII, or Type IX super high intensity or prismatic fluorescent retroreflective sheeting and shall be maintained in like-new condition. All orange construction signs shall be fluorescent orange with Type IX sheeting. Placement of construction signs shall be adjusted to avoid obstructing existing signs and to ensure proper sight lines to the construction signs as determined by the Resident.
- Any signs, equipment, or devices found to be damaged or unserviceable shall be replaced at the Contractor's expense. Any damage to Type XI sign sheeting may result in rejection of the whole sign panel.
- All lane closures shall require approval of the Resident a minimum of two working days in advance of the lane closure.

CLEAR ZONE AND GUARDRAIL PROTECTION

- The Clear Zone, as defined by the American Association of State Highway and Transportation Officials (AASHTO) for the Maine Turnpike shall be a minimum of 34 feet, measured from the edge of the traveled way. Any sign with at least one support within the clear zone shall be considered to be entirely within the clear zone and all supports for that sign shall be breakaway or shall be protected in accordance with the AASHTO Roadside Design Guide.
- Where guardrail protects the sign, the nearest sign support shall not be closer than six (6) feet from the face of the guardrail.
- If the Contractor elects to remove a segment of guardrail for access to the work area, the Contractor shall reset the guardrail at the end of the work day. Alternatively, the Contractor shall protect the temporary blunt end with a suitable crash cushion. Crash cushions installed for the Contractor's convenience will not be paid for but will be considered incidental to the Maintenance of Traffic Control Devices item.



AUXILIARY PANEL SUPPORTS DETAIL
(Not to Scale)



SIGN IDENTIFICATION DETAIL
(Not to Scale)

Scale:			
No.	Revision	By	Date
1	ADDENDUM NO. 1	MDS	3/16

Designed by:					
CONSULTANT PROJECT MANAGER: MDS					
	By	Date	By	Date	
Designed	MLG	02-2016	Checked	MDS	02-2016
Drawn	JAR	02-2016	In Charge of	MDS	02-2016

Vanasse Hangen Brustlin, Inc.
500 Southborough Dr.
Suite 105B
South Portland, ME 04106
TEL (207) 889-3150
FAX (207) 253-5596

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: R. NORWOOD

MAINE TURNPIKE EXITS 75-109

GENERAL NOTES & DETAIL

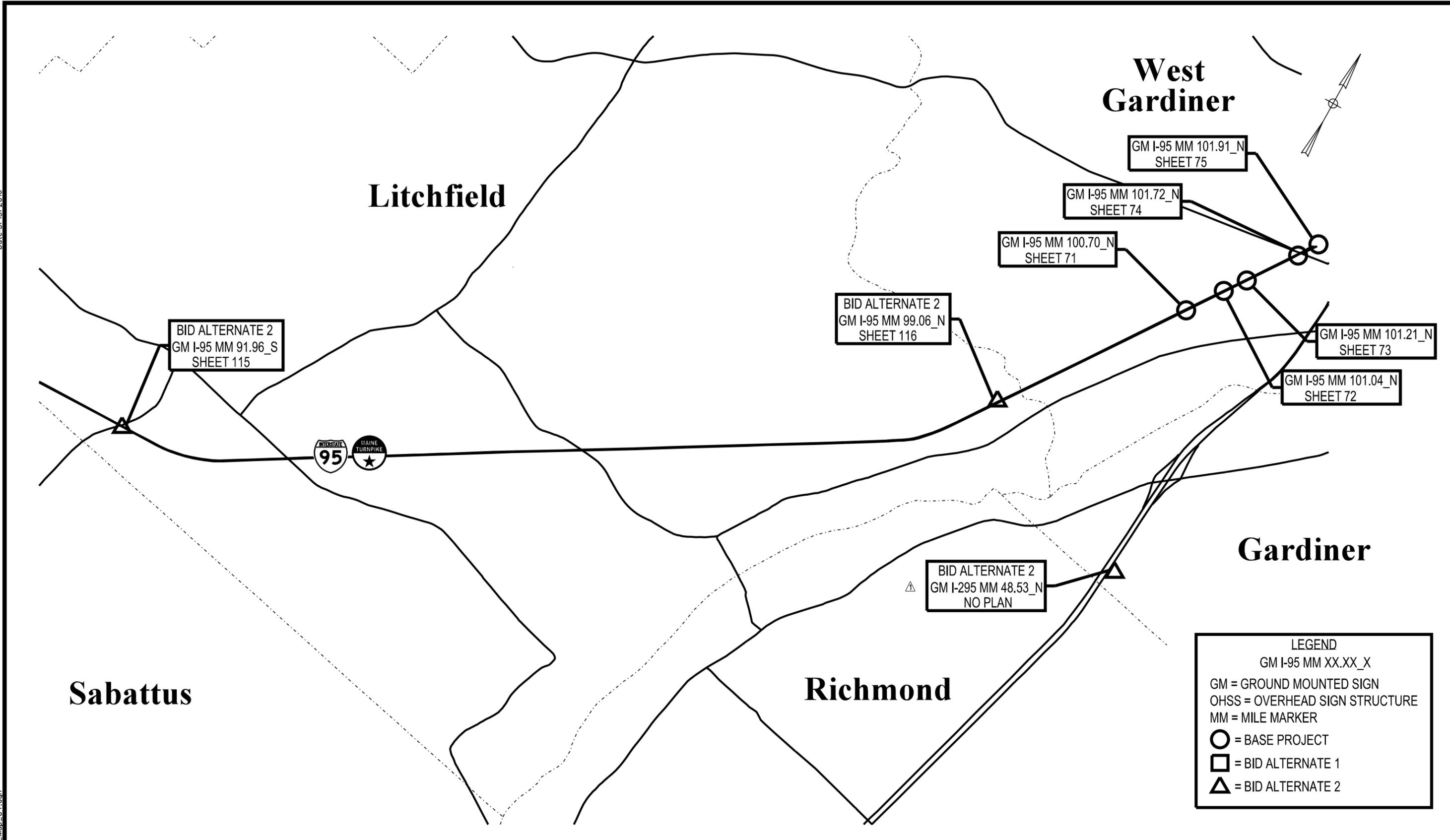
SHEET NUMBER: 2

CONTRACT: 2016.06

2 OF 119

Date: 3/15/2016

Filename: ...006_55086_00_Map_04.dgn



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Scale in Feet

No.	Revision	By	Date
1	ADDENDUM NO. 1	MDS	3/16

Designed by:

CONSULTANT PROJECT MANAGER: MDS

	By	Date	By	Date
Designed	MLG	02-2016	Checked	MDS 02-2016
Drawn	JAR	02-2016	In Charge of	MDS 02-2016

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: R. NORWOOD

**MAINE TURNPIKE
EXITS 75-109**

MAP 3

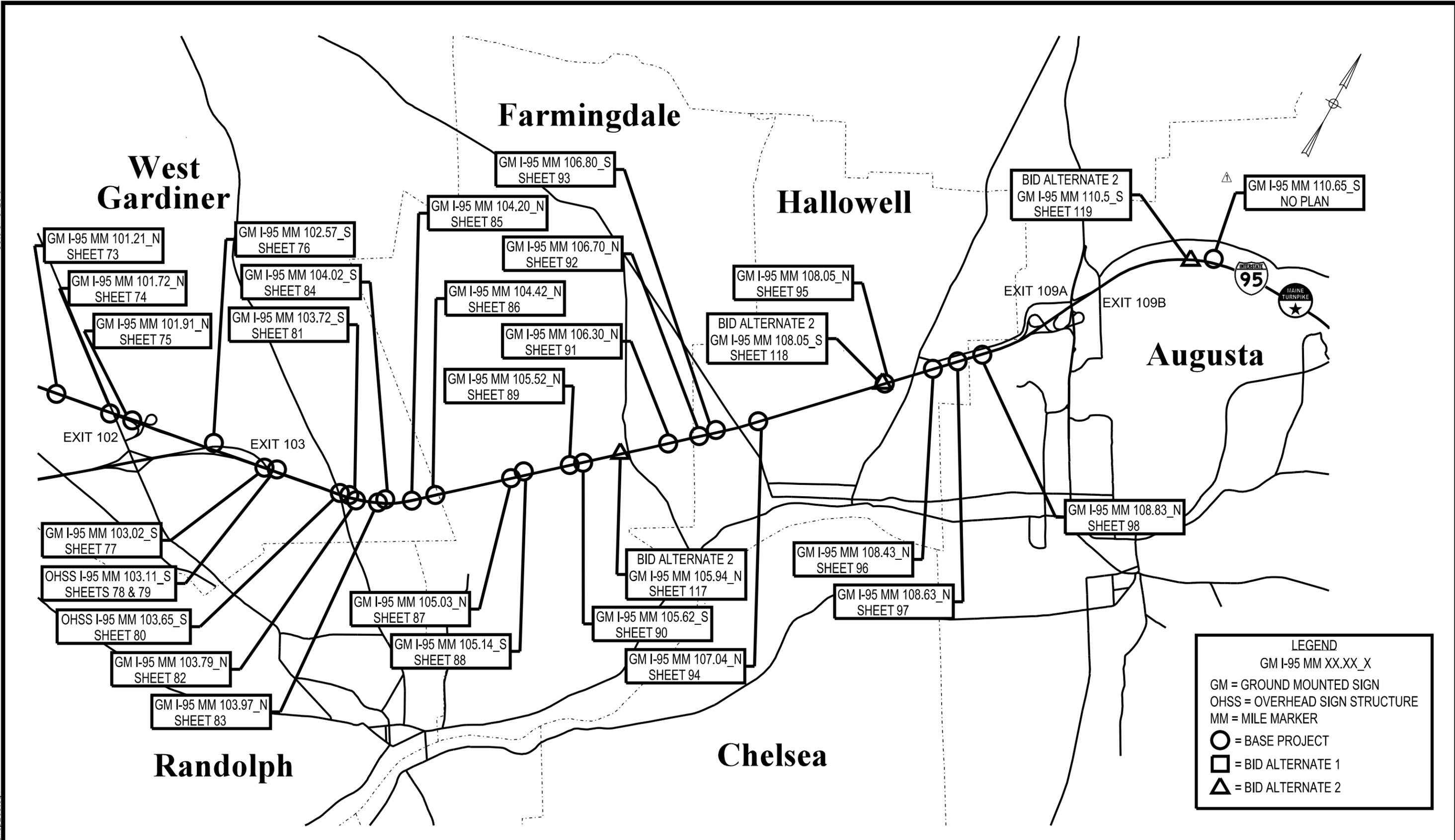
SHEET NUMBER: 6

CONTRACT: 2016.06

6 OF 119

Date: 3/15/2016

Filename: ...007_55086_00_Map_05.dgn



LEGEND

- GM I-95 MM XX.XX_X
- GM = GROUND MOUNTED SIGN
- OHSS = OVERHEAD SIGN STRUCTURE
- MM = MILE MARKER
- = BASE PROJECT
- = BID ALTERNATE 1
- △ = BID ALTERNATE 2

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Scale in Feet

No.	Revision	By	Date
1	ADDENDUM NO. 1	MDS	3/16

Designed by:

CONSULTANT PROJECT MANAGER: MDS

	By	Date	By	Date
Designed	MLG	02-2016	Checked	MDS 02-2016
Drawn	JAR	02-2016	In Charge of	MDS 02-2016

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: R. NORWOOD

MAINE TURNPIKE EXITS 75-109

MAP 4

SHEET NUMBER: 7

CONTRACT: 2016.06

7 OF 119

Date: 3/15/2016

Filename: \\019_55086_00_SignSummary_10.dgn

Location ID (MTA SGN #)	Size of Sign		Text	Text Dimensions (Inches)			Number of Signs Required	Color		Border Radius	Area in Square Feet	Post
	Width	Height		Letter Height	Vertical Spacing	Arrow RTE.MKR.		Back-ground	Legend Border			
GM 1-95 MM 108.05_N (6005)	144"	192"		16/12 EM 16/12 EM 10, 15 E	13" 13" 13" 13" 13"	45x36 36x36 45x36 36x36	1	Green	White	12"	192.0 (192.0)	2 - W14x30 Posts
GM 1-95 MM 108.43_N (6003)	144"	192"		16/12 EM 16/12 EM 10, 15 E	13" 13" 13" 13" 13"	45x36 36x36 45x36 36x36	1	Green	White	12"	192.0 (192.0)	Mount to Existing Posts
GM 1-95 MM 108.63_N (6002) GM 1-95 MM 110.65_S (6091) [No Plan]	216"	96"		13.3/10 EM 13.3/10 EM 10, 15 E	14.5" 13" 13" 13.9"		2	Brown	White	12"	144.0 (288.0)	Mount to Existing Posts
GM 1-95 MM 108.83_N (6001)	132"	192"		8, 10 E 13.3/10 EM 10, 15 E 8 E 8, 10 E 10, 15 E	11.3" 10" 10" 7.5" 7.5" 7.5" 10" 11.9"	30x24 30x24 24x24	1	Green	White	12"	176.0 (176.0)	2 - W12x26 Posts

SHSB - Text Dimensions Shall Conform to "Standard Highway Signs Book" - 2012 Edition.

Scale:

No.	Revision	By	Date
1	ADDENDUM NO. 1	MDS	3/16

Designed by:



CONSULTANT PROJECT MANAGER: MDS

By	Date	By	Date
Designed	MLG 02-2016	Checked	MDS 02-2016
Drawn	JAR 02-2016	In Charge of	MDS 02-2016

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: R. NORWOOD

MAINE TURNPIKE EXITS 75-109

SIGN SUMMARY SHEET 10

SHEET NUMBER: 19

CONTRACT: 2016.06

19 OF 119

Date: 3/15/2016

Filename: ...109_55086_00_BA2_SignSummary_01.dgn

Location ID (MTA SGN *)	Size of Sign		Text	Text Dimensions (Inches)			Number of Signs Required	Color		Border Radius	Area in Square Feet	Post
	Width	Height		Letter Height	Vertical Spacing	Arrow RTE.MKR.		Back-ground	Legend Border			
GM 1-95 MM 71.25_N (6088) GM 1-95 MM 76.92_S (6071) GM 1-95 MM 77.60_N (6069) GM 1-95 MM 83.02_S (6049) GM 1-95 MM 85.08_N (6045) GM 1-95 MM 91.96_S (6032) GM 1-95 MM 99.06_N (6031) GM 1-95 MM 105.94_N (6010) GM 1-95 MM 108.05_S (6004) GM 1-95 MM 110.5_S (6000) - GM 1-295 MM 48.53_N (6092) [No Plan]	144"	84"	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> TRAVEL ADVISORY WHEN FLASHING </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;"> TUNE RADIO TO 1610 AM </div>	10D 10D 10E 10E	8" 6" 8" 6" 8"		11	Yellow/Blue	Black/White	9"	84.0 (924.0)	Mount to Existing Posts * 1-295 Sign Replacement to be Coordinated with MaineDOT Through the Resident. Work is Restricted to Occur Between 9AM and 3PM Weekdays

SHSB - Text Dimensions Shall Conform to "Standard Highway Signs Book" - 2012 Edition.

Scale:

No.	Revision	By	Date
1	ADDENDUM NO. 1	MDS	3/16

Designed by:



CONSULTANT PROJECT MANAGER: MDS

By	Date	By	Date
Designed	MLG 02-2016	Checked	MDS 02-2016
Drawn	JAR 02-2016	In Charge of	MDS 02-2016

Vanasse Hangen Brustlin, Inc.
 500 Southborough Dr.
 Suite 105B
 South Portland, ME 04106
 TEL (207) 889-3150
 FAX (207) 253-5596



**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: R. NORWOOD

**MAINE TURNPIKE
EXITS 75-109**

BID ALTERNATE 2
SIGN SUMMARY SHEET 1

SHEET NUMBER: 109
CONTRACT: 2016.06
109 OF 119

**SCHEDULE OF BID PRICES
 CONTRACT NO. 2016.06
 GUIDE SIGN REPLACEMENT
 MAINE TURNPIKE EXITS 75-109
 MILE MARKER 70.7 TO 110.5**

BASE PROJECT

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
619.1202	TEMPORARY MULCH	Lump Sum	1				
626.32	24" DIAMETER FOUNDATION	Each	25				
626.3301	30" DIAMETER FOUNDATION	Each	40				
629.05	HAND LABOR, STRAIGHT TIME	Each	25				
645.105	REMOVE AND STACK SIGN	Each	72				
645.109	REMOVE AND RESET SIGN	Each	1				
645.161	BREAKAWAY DEVICE SINGLE POLE	Each	3				
645.162	BREAKAWAY DEVICE MULTI POLE	Each	19				
645.251	ROADSIDE GUIDE SIGN, TYPE 1	Square Foot	10652				
645.2519	AUXILIARY PANEL SUPPORTS	Square Foot	24				
645.271	REGULATORY, WARNING, CONFIRMATION AND ROUTE ASSEMBLY SIGN, TYPE 1	Square Foot	44				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BASE PROJECT				BROUGHT FORWARD:			
645.280	WOOD POST	Linear Foot	150				
645.289	STEEL H-BEAM POLES	Pounds	32424				
645.30	FLASHING ARROW	Each	2				
652.33	DRUM	Each	350				
652.35	CONSTRUCTION SIGNS	Square Foot	982				
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	Lump Sum	1				
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	Each	2				
652.45	TRUCK MOUNTED ATTENUATOR	Calendar Days	160	150	00	24,000	00
656.50	BALED HAY, IN PLACE	Each	36				
656.632	30 INCH TEMPORARY SILT FENCE	Linear Foot	1800				
659.10	MOBILIZATION	Lump Sum	1				

BASE CONTRACT TOTAL PRICE:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BID ALTERNATE #1							
645.105	REMOVE AND STACK SIGN	Each	10				
645.251	ROADSIDE GUIDE SIGN, TYPE 1	Square Foot	1465				
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	Lump Sum	1				
652.45	TRUCK MOUNTED ATTENUATOR	Calendar Days	8	150	00	1,200	00
659.10	MOBILIZATION	Lump Sum	1				

BID ALTERNATE #1 TOTAL:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BID ALTERNATE #2							
645.105	REMOVE AND STACK SIGN	Each	11				
645.251	ROADSIDE GUIDE SIGN, TYPE 1	Square Foot	924				
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	Lump Sum	1				
652.45	TRUCK MOUNTED ATTENUATOR	Calendar Days	11	150	00	1,650	00
659.10	MOBILIZATION	Lump Sum	1				

BID ALTERNATIVE #2 TOTAL:

PART II - SPECIAL PROVISIONS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
—	GENERAL DESCRIPTION OF WORK	SP-1
—	PLANS	SP-1
101.2	DEFINITION	SP-1
103.1	ANALYSIS OF BIDS	SP-1
103.3.1.1	NOTICE AND INFORMATION GATHERING	SP-2
103.4	NOTICE OF AWARD	SP-2
104.3.8	WAGE RATES AND LABOR LAWS	SP-2
104.4.6	UTILITY COORDINATION	SP-6
104.4.7	COOPERATION WITH OTHER CONTRACTORS	SP-6
105.8.2	PERMIT REQUIREMENTS	SP-7
107.1	CONTRACT TIME AND CONTRACT COMPLETION DATE	SP-8
107.1.1	SUBSTANTIAL COMPLETION	SP-8
107.4.6	PROSECUTION OF WORK	SP-8
206.	STRUCTURAL EXCAVATION	SP-10
527.	ENERGY ABSORBING UNIT (Work Zone Crash Cushion)	SP-11
619.	MULCH	SP-12
624	FOUNDATIONS, CONDUIT, AND JUNCTION BOXES FOR HIGHWAY SIGNING, LIGHTING, AND SIGNALS (30-inch Diameter Foundation)	SP-14
645.	HIGHWAY SIGNING (Remove and Reset Sign) (Remove and Stack Sign)	SP-16
645.	HIGHWAY SIGNING (Auxiliary Panel Supports)	SP-18

645.	HIGHWAY SIGNING (Wood Post)	SP-20
645.	HIGHWAY SIGNING (Protection of Signs with Type XI Sheeting)	SP-21
645.	HIGHWAY SIGNING (Mounting Type I Guide Signs to Existing Overhead Structures)	SP-22
652.	MAINTENANCE OF TRAFFIC (General)	SP-23
652.	MAINTENANCE OF TRAFFIC (Specific Project Maintenance of Traffic Requirements)	SP-34
652.	MAINTENANCE OF TRAFFIC (Truck Mounted Attenuator)	SP-38
656.	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	SP-40
719.	SIGNING MATERIAL	SP-51

The Contractor shall comply with the conditions outlined in the Maine Pollutant Discharge Elimination System (MPDES) General Permit for stormwater discharge associated with construction activity. Additionally, it is noted that portions of this project are within the MTA's Municipal Separate Storm Sewer Systems (MS4) for Auburn and Lewiston. As part of this project, the Contractor shall review, sign, and comply with the MS4 Stormwater Awareness Plan and the MS4 Targeted BMP Adoption Plan. The Contractor shall indemnify and hold harmless the Maine Turnpike Authority or its agents, representatives and employees against any and all claims, liabilities or fines arising from or based on the violation of the above noted permits.

107.1 Contract Time and Contract Completion Date

This Subsection is amended by the addition of the following:

All work shall be completed on or before June 2, 2017.

107.1.1 Substantial Completion

This Subsection is amended by the addition of the following:

Substantially complete shall be defined by the Authority as the completion of all work except punch list and final stabilization items, by December 2, 2016. To be substantially completed, the Contractor shall have completed the following tasks:

- All proposed signs installed, including bid alternate signs if made part of the Contract;
- All signs to be removed have been removed, salvaged, and stacked at the Sign Shop; and
- All supports to be salvaged have been removed, salvaged and delivered to the Sign Shop; and
- All foundations to be removed have been removed to a depth of 12 inches below grade.

Supplemental Liquidated damages on a calendar day basis in accordance with Subsection 107.7.2 shall be assessed for each calendar day that substantial completion is not achieved. Supplemental Liquidated damages for substantial completion will end when substantial completion is accepted by the Resident. If the work remains incomplete at the Contract Completion Date, liquidated damages on a calendar day basis in accordance with Subsection 107.7.2 shall be assessed for each calendar day that Contract completion is not achieved. If substantial completion is not completed by the Contract Completion date both supplemental liquidated damages and liquidated damages will be incurred.

107.4.6 Prosecution of Work

The following activities shall not begin until the date or activity specified:

- Existing signs to be removed shall remain in place and unobstructed until the replacement sign has been installed.
- The existing Kaplan University signs shall not be removed until the Contractor has installed signs GM I-95 MM 76.90_N and GM I-95 MM 81.92_S.
- The existing Lewiston Sports Complex signs shall not be removed until the Contractor has installed signs GM I-95 MM 78.36_N and GM I-95 MM 81.30_S.
- The existing Shaker Village signs shall not be removed before July 30, 2016.

SPECIAL PROVISIONSECTION 626FOUNDATIONS, CONDUIT, AND JUNCTION BOXES FOR
HIGHWAY SIGNING, LIGHTING AND SIGNALS

(30-inch Diameter Foundation)

626.034 Concrete Foundations

Replace the first paragraph with the following:

No soil borings, subsurface exploration or other geotechnical engineering was performed during the design phase of this project. Foundation sizes were determined based on the assumption that the soils at each location are capable of a bearing pressure of 1.5 tons per square foot (tsf). Unless the actual soil conditions require another foundation type, foundations shall consist of either precast steel reinforced concrete foundations or cast-in-place steel reinforced concrete drilled shafts. Supplier shall determine the bending moment, shear force, torsion and axial load at the top of each mast arm or dual purpose pole or sign support structure foundation. Foundation size (diameter and length) shall be as indicated in the Contract Documents. Lengths indicated are depths below lowest adjacent grade. Reinforcing shall be as specified on the associated chart in Standard Detail 626.

Replace the eleventh paragraph (that starts with “Concrete foundations designated to be modified or removed...”) with the following:

Concrete foundations designated to be removed shall be removed to a depth of 12 inches below the natural grade. The removal shall include removal and off-site disposal of all concrete, steel reinforcing, anchor rods and all debris resulting from the removal. Once removal has been completed, the area shall be backfilled to original grade by the addition of granular material and loam, or loam only, depending on the extent of the removal required. The area shall then be seeded in accordance with Section 618.

626.04 Method of Measurement

Replace the second paragraph with the following:

Foundation items 626.31, 626.32, 626.33, and 626.3301 will be measured by each unit.

Add the following paragraph:

Where existing concrete foundations are called to be removed, the removal will not be measured but will be incidental to the cost of the new foundations being installed nearby. In the same way, the excavation, backfill, loam and seeding for removed foundations will not be measured but will be incidental to the cost of the new foundations.

626.05 Basis of Payment

Replace the first paragraph with the following:

The accepted quantity of foundations will be paid for at the contract unit price for each type of foundation. This payment shall include: concrete, anchor bolts, reinforcing steel, conduit within the foundation and extending 12 inches from the foundation (as required), loam, seeding, mulching and all incidentals necessary to complete the work. This work shall also include the removal of existing concrete foundations to a depth of 12 inches below natural grade, backfill, loam, seeding, mulching, and all incidentals, tools, equipment, and labor necessary to remove the existing foundations.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
626.3301 30-inch Diameter Foundation	Each

SPECIAL PROVISION

SECTION 645

HIGHWAY SIGNING

(Remove and Reset Sign)

(Remove and Stack Sign)

645.07 Demounting and Reinstalling Existing Signs and Poles

The following paragraphs are added:

At locations noted on the Plans, existing ground-mounted signs are designated to be removed and reset. This work shall consist of removing the sign panels, removing and resetting or disposing of the existing steel post and resetting the sign panels on a new steel post if required in the appropriate specified location. The Resident will determine if a new steel post is required.

At locations as shown on the Plans, existing ground-mounted and overhead-mounted signs are designated to be removed and stacked. This work shall consist of removing and stacking existing sign panels and posts at the Authority's Sign Shop along the Turnpike Northbound at MM 58 and the excavations shall be backfilled and ground restored to the satisfaction of the Resident.

Access to the Authority's Sign Shop shall be from the local roadway, Blackstrap Road. No Contractor vehicles are permitted direct access to or from the Sign Shop via the Turnpike mainline. Sign panels delivered to the Authority's Sign Shop shall be disassembled into sections not greater than 100 square feet, without cutting into extruded panels.

Any existing signs not shown on the Plans are to remain in their existing condition unless directed otherwise by the Resident.

645.08 Method of Measurement

The following sentences are added:

Removing and Resetting existing ground-mounted signs shall be measured as complete units each, removed, reset and accepted.

Removing and stacking existing signs shall be measured as complete units each removed and stacked.

645.09 Basis of Payment

The following paragraphs are added:

The accepted signs Removed and Stacked shall be paid for at the Contract unit price each as specified. Such price shall include removing, disassembling, and stacking sign panels and supports at the location specified.

The accepted signs Removed and Reset will be paid for at the Contract unit price each as specified. Such price will include removing and resetting sign panels, removing and resetting or disposing existing wood post and resetting the sign panels on the existing or new wood post and new hardware as required to complete the sign installation. Any signs or supports damaged by the Contractor shall be replaced by him with new signs or supports conforming to the applicable Specifications at no additional cost to the Authority.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
645.105	Remove and Stack Sign	Each
645.109	Remove and Reset Sign	Each