



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

Paul R. LePage  
GOVERNOR

David Bernhardt  
COMMISSIONER

June 4, 2018  
Subject: Implementation of  
Intelligent Traffic Systems  
State WIN: 023767.04  
Location: **Saco to Farmingdale**  
**Amendment No. 1**

Dear Sir/Ms.:

Make the following change to the Bid Documents:

In the Bid Book:

**CHANGE** on page 16, NOTICE TO CONTRACTORS the bid opening date in the first paragraph from June 6, 2018 to read **June 13, 2018**. Make this change in pen and ink.

**REMOVE** pages 18-21 Proposal Schedule of Items, 4 pages, dated 5/10/2018, and **REPLACE** with the attached, revised Proposal Schedule of Items, 4 pages, dated 6/1/2018.

**REMOVE** pages 62-65 SPECIAL PROVISIONS - SECTION 104 – Utilities, 4 pages, dated May 8, 2018 and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 104 – Utilities, dated May 24, 2018.

On Page 92, under Section 645.0212, **CHANGE** the third sentence in the first paragraph to read, “Each display pixel shall be comprised of a series of LEDs that when turned on cause the pixels to appear to be emitting red, green, amber, or white light (full color).” Additionally, **CHANGE** the first sentence of the second paragraph to read, “DMS panel dimensions of the housing containing all electronic components shall not exceed 24 inches high by 44 inches wide.” Make these changes in pen and ink.

**ADD** the attached SPECIAL PROVISION – SECTION 643 – TRAFFIC SIGNALS, 2 pages dated May 24, 2018.

In the Plan Set:

**REMOVE** SHEET NUMBER 2 OF 19 – GENERAL NOTES, and **REPLACE** with the attached, revised SHEET NUMBER 2 OF 19 – GENERAL NOTES, that includes additional General Notes #11, #12 and #13.



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**REMOVE SHEET NUMBER 7 OF 19 – DETAILS and REPLACE** with the attached, revised SHEET NUMBER 7 OF 19 – DETAILS, that provides a Power Service Aerial Drop Detail.

**REMOVE SHEET NUMBERS 10-19 OF 19, and REPLACE** with the attached, revised SHEET NUMBERS 10-19 OF 19, that include right-of-way information and updated quantities.

The following questions have been received:

**Question:** In Section 645.0212 DMS for travel time messages, the spec states that the DMS panel shall support the display of amber travel time digits on a black background. It also states that each pixel shall be comprised of a series of LEDs that when turned on cause the pixels to appear to be emitting white light. Please confirm that amber signs are required and not full color signs.

**Response:** Please see the attached revision to the language in Special Provision 645, Section 645.0212. The intent of the contract is for the two-digit travel time displays to offer full color, generally using amber for project initiation, but allowing for future operations in red, green, amber or white.

**Question:** Is it right to assume the signs themselves are being supplied by DOT (or whomever) when the plans don't specify?

**Response:** No. It is intended that the Contractor is responsible for furnishing and installing both the static portions and the dynamic portions for all of the signs for this project. See Special Provision 645 (Hybrid Travel Time Signs).

**Question:** It is clear that the power box is set in concrete with workman pads on each door side. Is the sign itself set in a concrete pad, just poured concrete at the H-frame legs, or no concrete required?

**Response:** The ITS equipment cabinets are intended to be installed on a concrete foundation with workman pads at each door. Where meter pedestals are indicated on the plans, the Contractor may supply a pedestal that meets the Underwriters Laboratory (UL) and local utility company requirements for an electric service pedestal. The signs are proposed to be supported on steel H-beam poles (Item 645.289), that are themselves mounted on concrete foundations (Item 626.332) designed and constructed in accordance with Section 626. The Contractor is required to prepare foundation designs for the steel H-beam poles in accordance with the specified charts in Standard Detail 626.

**Question:** The trench for the power supply looks to be a single line in conduit. Is it safe to assume that that this can be a standard 12" trench when the plans don't specify?

**Response:** Any conduit trenching on the State side of the meter shall conform to Section 626 and Standard Detail 626(07). Any conduit trenching on the Supply side of the meter shall conform to the local utility company requirements.

**Question:** Can the bid be extended by 1 week?

**Response:** The Department has agreed to extend the bid period.

**Question:** Please confirm that CMP is setting the poles and installing the overhead conductor.

**Response:** The Department has confirmed that Central Maine Power (CMP) is responsible for furnishing and installing the service poles and overhead conductors. The Contractor shall coordinate the installations with CMP and the Resident.

**Question:** Is there any Geotech information available for the project?

**Response:** No geotechnical information was collected during the design for this project.

**Question:** Could you kindly provide the number of "Lane Miles" that are included in this proposal so that we may accurately determine the cost to purchase real time travel time data.

**Response:** The route segments are listed in Special Provision 645 (Travel Time Data). The route segments have varying lane quantities, but generally:

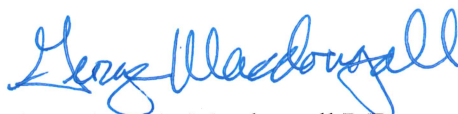
- The I-95 Turnpike segments are three lanes south of Exit 44, two lanes from Exit 44 to Exit 103, and three lanes from Exit 103 to Exit 109.
- The I-295 segments are two lanes from I-95 to Exit 3, three lanes from Exit 3 to Exit 4, two lanes from Exit 4 to Exit 7, varies from two lanes to four lanes from Exit 7 to Exit 9, and two lanes from Exit 9 to the northern end at I-95.
- The Falmouth Spur is two lanes from I-95 to I-295.

**Question:** Could you kindly provide the estimated value (Engineer's Estimate) of the work as we need this information for bonding purposes.

**Response:** Due to State statute, we cannot disclose the Engineer's Estimate. The amount of the Bid Bond is \$25,000.00 or 5% of the Bid amount, the Contract Performance Surety Bond and Contract Payment Surety Bond are in the amount of 100 percent of the Contract (Bid) Price, as is stated in the Notice to Contractors.

Consider these changes and information prior to submitting your bid on **June 13, 2018**.

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023767.04

Project(s): 023767.04

SECTION: 1 PROJECT ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	201.12 SELECTIVE CLEARING AND THINNING	0.100 AC	_____	 _____	_____	 _____
0020	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	3.500 CY	_____	 _____	_____	 _____
0030	527.33 TRUCK MOUNTED ATTENUATOR	2.000 EA	_____	 _____	_____	 _____
0040	619.12 MULCH	15.000 UN	_____	 _____	_____	 _____
0050	626.11 PRECAST CONCRETE JUNCTION BOX	26.000 EA	_____	 _____	_____	 _____
0060	626.21 METALLIC CONDUIT	335.000 LF	_____	 _____	_____	 _____
0070	626.22 NON-METALLIC CONDUIT	4,150.000 LF	_____	 _____	_____	 _____
0080	626.251 NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	170.000 LF	_____	 _____	_____	 _____
0090	626.32 24 INCH FOUNDATION	2.000 EA	_____	 _____	_____	 _____
0100	626.332 30 INCH DIAMATER GREATER THAN 8 FEET LONG & 36 INCH DIAMETER, 42 INCH DIAMETER FOUNDATION	69.000 CY	_____	 _____	_____	 _____
0110	629.05 HAND LABOR, STRAIGHT TIME	40.000 HR	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023767.04

Project(s): 023767.04

SECTION: 1 PROJECT ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0112	643.97 WOOD POLES WITH GUYS AND SPAN WIRE	2.000 EA	_____	 _____	_____	 _____
0114	643.971 MODIFY WOOD POLE FOR ELECTRIC SERVICE	1.000 EA	_____	 _____	_____	 _____
0120	645.103 DEMOUNT GUIDE SIGN	2.000 EA	_____	 _____	_____	 _____
0130	645.108 DEMOUNT POLE	4.000 EA	_____	 _____	_____	 _____
0140	645.162 BREAKAWAY DEVICES MULTI-POLE	11.000 EA	_____	 _____	_____	 _____
0150	645.251 ROADSIDE GUIDE SIGNS, TYPE I	2,479.000 SF	_____	 _____	_____	 _____
0160	645.289 STEEL H-BEAM POLES	16,275.000 LB	_____	 _____	_____	 _____
0170	645.301 DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE	18.000 EA	_____	 _____	_____	 _____
0180	645.52 HYBRID TRAVEL TIME SIGN: (GM I-295 MM 10.42_N)	LUMP SUM		 LUMP SUM	_____	 _____
0190	645.52 HYBRID TRAVEL TIME SIGN: (GM I-295 MM 14.19_S)	LUMP SUM		 LUMP SUM	_____	 _____
0200	645.52 HYBRID TRAVEL TIME SIGN: (GM I-295 MM 18.13_N)	LUMP SUM		 LUMP SUM	_____	 _____

Maine Department of Transportation

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0210	645.52 HYBRID TRAVEL TIME SIGN: (GM I-295 MM 19.79_S_	LUMP SUM	LUMP	SUM	_____	_____
0220	645.52 HYBRID TRAVEL TIME SIGN: (GM I-295 MM 30.17_S)	LUMP SUM	LUMP	SUM	_____	_____
0230	645.52 HYBRID TRAVEL TIME SIGN: (GM I-95 MM 106.00_S)	LUMP SUM	LUMP	SUM	_____	_____
0240	645.52 HYBRID TRAVEL TIME SIGN: (GM I-95 MM 38.28_N)	LUMP SUM	LUMP	SUM	_____	_____
0250	645.52 HYBRID TRAVEL TIME SIGN: (GM I-95 MM 40.01_N)	LUMP SUM	LUMP	SUM	_____	_____
0260	645.521 HYBRID TRAVEL TIME SIGN INTEGRATION	LUMP SUM	LUMP	SUM	_____	_____
0270	645.522 HYBRID TRAVEL TIME SIGN WARRANTY AND MAINTENANCE	LUMP SUM	LUMP	SUM	_____	_____
0280	645.523 TRAVEL TIME DATA	LUMP SUM	LUMP	SUM	_____	_____
0290	652.30 FLASHING ARROW BOARD	1.000 EA	_____	_____	_____	_____
0300	652.33 DRUM	60.000 EA	_____	_____	_____	_____
0310	652.35 CONSTRUCTION SIGNS	758.000 SF	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

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Project(s): 023767.04

SECTION: 1 PROJECT ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount		
			Dollars	Cents	Dollars	Cents	
0320	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM			_____		_____
0330	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____		_____		_____
0340	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM			_____		_____
0350	659.10 MOBILIZATION	LUMP SUM			_____		_____
<b>Section: 1</b>			<b>Total:</b>		_____		_____
			<b>Total Bid:</b>		_____		_____

**SPECIAL PROVISIONS**  
**SECTION 104**  
**Utilities**

**UTILITY COORDINATION**

The contractor has primary responsibility for coordinating their work with utilities after contract award. The contractor shall communicate directly with the utilities regarding any utility work necessary to maintain the contractor's schedule and prevent project construction delays. The contractor shall notify the resident of any issues.

**THE CONTRACTOR SHALL PLAN AND CONDUCT WORK ACCORDINGLY.**

**MEETING**

A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications is required.

**GENERAL INFORMATION**

These Special Provisions outline the arrangements that have been made by the Department for utility and/or railroad work to be undertaken in conjunction with this project. The following list identifies all known utilities or railroads having facilities presently located within the limits of this project or intending to install facilities during project construction.

Utilities have been notified and will be furnished a project specification.

**Overview:**

<b>Utility/Railroad</b>	<b>Aerial</b>	<b>Underground</b>	<b>Railroad</b>
Central Maine Power Company	X		
Maine Turnpike Authority		X	

<b>Utility Contact Information</b>		
<b>Utility/Railroad</b>	<b>Contact Person</b>	<b>Contact Phone (Cell &amp; Office) Email</b>
<b>Central Maine Power Company</b>		
Primary Contact	Tim Laney	207-242-9587 Timothy.Laney@cmpco.com
GM I-95 MM 38.28_N	Anton Matoin	207-629-2553 (C) 207-242-0580 (O) Anton.Matoin@cmpco.com
GM I-95 MM 40.01_N	Jason Ward	207-828-2816 (C) 207-242-5398 (O) Jason.Ward@cmpco.com
GM I-295 MM 10.24_N	Jason Ward	<i>See Above</i>
GM I-295 MM 14.19_S	Jason Ward	<i>See Above</i>
GM I-295 MM 18.13_N	Jason Ward	<i>See Above</i>
GM I-295 MM 19.79_S	Jason Ward	<i>See Above</i>
GM I-295 MM 30.17_S	Dick Adams	207-629-1803 (C) 207-242-0511 (O) Richard.Adams@cmpco.com
GM I-95 MM 106.00_S	Tim Robbins	207-629-9505 (C) 207-242-9595 (O) Timothy.Robbins@cmpco.com
<b>Maine Turnpike Authority</b>		
Primary Contact	Ralph Norwood, IV	207-871-7771 RNorwood@maineturnpike.com

Temporary utility adjustments are not anticipated.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. The Contractor shall contact Dig Safe prior to any excavation work. The Contractor shall also contact Dig Smart to locate Department and Authority utilities within each project area.

All adjustments are to be made by the respective utility/railroad unless otherwise specified herein.

Fire hydrants shall not be disturbed until all necessary work has been accomplished to provide proper fire protection.

All clearing and tree removal in areas where utilities are involved must be completed before the utilities are able to relocate their facilities.

It is the responsibility of the Contractor with the Utility Pole owner, to layout all of the proposed pole locations in the field prior to the start of utility relocations. Should any adjustments be needed, the Utility will document adjustments and inform the Department prior to utility relocations.

The Contractor shall provide the utilities access to the new pole locations. Construction of any spot cuts or fills in excess of 2 feet must be completed prior to utility relocations. The Contractor shall prepare a plan for how access and the spot cuts and fills will be accomplished and what the schedule will be for performing the work. This plan will be discussed at the pre-construction utility meeting.

**\*\* *Specific information regarding the line voltage can be requested from Central Maine Power Company* \*\***

Utility working days are Monday through Friday. Times are estimated on the basis of a single crew for each utility. Any times and dates mentioned are **estimates only** and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the Department if they are exceeded.

### **BUY AMERICA**

Utility construction work performed as part this federal-aid project is subject to the requirements of Buy America in accordance with Federal Regulation 23 CFR 635.410 Section 1518. Specific requirements are presented in MaineDOT Standard Specification Section 100, Appendix A, Section 3.A., Buy America.

**AERIAL**

***Summary:***

Utility	Pole Set	Secondary Connection	Transformers	Remove Poles	Estimated Working Days
Central Maine Power Company					
GM I-95 MM 38.28_N		X			2
GM I-95 MM 40.01_N		X			2
GM I-295 MM 10.24_N		X			2
GM I-295 MM 14.19_S			X		2
GM I-295 MM 18.13_N	X	X			3
GM I-295 MM 19.79_S		X			2
GM I-295 MM 30.17_S	X	X	*		3
GM I-95 MM 106.00_S			X		2
<b>Total:</b>					<b>18</b>

***\* - Requires CMP to install a transformer on the existing utility pole along River Road to convert from primary to secondary power.***

New service poles shall be located by the MaineDOT Resident in accordance with the current version of the Utility Accommodation Rules. The location shall take into account the corridor priority, speed limit, AADT traffic and Right-Of-Way (ROW) limitations to determine appropriate offset from travel way while maintaining location within ROW.

MaineDOT's Contractor shall install the new poles, the weather head, conduit and wire down to the meter box. CMP will provide service to the new poles and install the meters.

Installation of underground electrical conduits shall be in accordance with the current version of Utility Policy 2016-2, Protection of MaineDOT Owned Underground Electrical Service Connections.

**MAINTAINING UTILITY LOCATION MARKINGS**

The Contractor will be responsible for maintaining the buried utility location markings following the initial locating by the appropriate utility or their designated representative.

**UTILITY SIGNING**

Any utility working within the construction limits of this project shall ensure that the traveling public is adequately protected at all times. All work areas shall be signed, lighted, and traffic flaggers employed as determined by field conditions. All traffic controls shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, as issued by the Federal Highway Administration.

**SPECIAL PROVISION**  
**SECTION 643**  
**TRAFFIC SIGNALS**  
(Wood Pole with Guys and Span Wire)  
(Modify Wood Pole for Electric Service)

643.01 Description Add the following paragraph:

This work shall consist of furnishing and installing all equipment necessary for the erection and operation of a wood pole with an aerial drop power service. This work shall consist of furnishing and installing all equipment necessary for the modification of an existing wood pole to include a new aerial drop power service with the exception of span wire.

643.02 General Add the following paragraph:

The Contractor shall provide a wood pole with back-guys for aerial power service (by others) and all other associated equipment to provide power to the electric meter provided by the Utility Company. All equipment shall be new unless otherwise specified. All equipment, installation of equipment and other incidental work shall conform to the latest applicable provisions of NEC and NESC Standards for electric service. Work shall follow the MaineDOT Utility Accommodation Rules and the Utility Company handbook.

643.021 Materials Add the following item to the list of Materials.

Service Equipment	715.11
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643.07 Span Wire, Messenger Wire, and Guy Wire Replace the third paragraph with the following:

All span wires, messenger wires, guy wires, terminal boxes, and rigid steel conduit risers or any other metallic surface that might be contacted by people, shall be bonded to ground. Contractor shall furnish and install a strain relief hook below the weatherhead for aerial cable provided by others.

643.08 Conduit Add the following paragraph:

All conduit attached to the wood pole shall be 3-inch rigid steel conduit. Conduit extending underground shall include a three inch sweep a minimum of 36 inches below grade and shall extend a minimum of three feet beyond the base of the pole. The top of the conduit shall be capped by a 3-inch weatherhead.

643.09 Service Connection Add the following paragraphs:

The Contractor shall install a meter socket that is compatible with the local utility company. Below the meter socket, the Contractor shall install a 50 amp electrical disconnect.

The Contractor shall meet all requirements and regulations of Utility Companies when installing service connections. It is the responsibility of the Contractor to contact the appropriate Utility to determine their specific requirements.

643.10 Wiring Add the following paragraph:

Contractor shall furnish and supply 3-conductor, #0 AWG electrical cable from the meter socket to the top of the weatherhead. The Contractor shall provide a three foot drip loop at the weatherhead.

643.18 Method of Measurement: Add the following sentences:

Wood Pole with Guys and Span Wire will be measured for payment by each unit.

Modify Wood Pole for Electric Service will be measured for payment by each unit.

643.19 Basis of Payment Add the following paragraphs:

Wood Pole with Guys and Span Wire will be paid for at the contract unit price, each, which payment shall be full compensation for furnishing and installing the wood poles, the meter socket, the disconnect switch, the rigid metallic conduit risers, the weatherhead, the wiring, grounding, and all other materials, tools and labor necessary to erect the poles and for all materials, labor, tools and all appurtenances and incidentals required for a complete service connection installation.

Modify Wood Pole for Electric Service will be paid for at the contract unit price, each, which payment shall be full compensation for the meter socket, the disconnect switch, the rigid metallic conduit risers, the weatherhead, the wiring, grounding, and all other materials, tools and labor necessary for a complete service connection installation.

Payment will be made under:

	<u>Pay Item</u>	<u>Pay Unit</u>
643.97	Wood Pole with Guys and Span Wire	Each
643.971	Modify Wood Pole for Electric Service	Each

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE 2014 EDITION OF THE MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD SPECIFICATIONS.
2. 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.
3. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
4. NO FORMAL SURVEY WAS CONDUCTED FOR THE CONSTRUCTION OF THIS PROJECT. ALL DESIGN WAS BASED ON AERIAL PHOTOGRAPHY AND FIELD INVESTIGATIONS. THE I-95 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.
5. 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.
6. THE LENGTH OF THE VERTICAL SUPPORTS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE FINAL SIGN SUPPORT LENGTHS TO FIT THE APPROVED SIGN LOCATION. THE MINIMUM 7 FOOT MOUNTING HEIGHT OF THE SIGN ABOVE THE PAVEMENT SURFACE SHALL BE THE CONTROLLING DIMENSION TO DETERMINE THE LENGTH OF THE VERTICAL SUPPORT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING THEIR OWN ACTUAL ELEVATION AND CROSS-SECTION INVESTIGATIONS FOR SIGNS PROPOSED ON SUPPORTS.
8. THE CONTRACTOR SHALL CONTACT DIG SAFE PRIOR TO ANY EXCAVATION WORK. THE CONTRACTOR SHALL ALSO CONTACT DIG SMART TO LOCATE DEPARTMENT AND AUTHORITY UTILITIES WITHIN EACH PROJECT AREA.
9. THE CONTRACTOR SHALL INSTALL NEW U-CHANNEL DELINEATOR POSTS FOR CONDUIT RUNS AND EACH JUNCTION BOX INSTALLED ALONG I-95 (MAINE TURNPIKE). DELINEATORS SHALL BE INSTALLED ADJACENT TO EACH JUNCTION BOX AND AT THE IDENTIFIED LOCATIONS ALONG CONDUIT RUNS. DELINEATORS SHALL HAVE RED REFLECTORS FACING ON-COMING TRAFFIC.
10. ALL STATIC PORTIONS OF SIGNS SHALL HAVE ASTM D4956 TYPE XI RETROREFLECTIVE SHEETING.
11. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS.
12. NEW SERVICE POLES SHALL BE LOCATED BY THE MAINEDOT RESIDENT IN ACCORDANCE WITH THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
13. RIGHT-OF-WAY INFORMATION SHOWN ON THESE PLANS IS FROM THE MAINE OFFICE OF GIS AND FROM EXISTING INTERSTATE FENCES AND IS INTENDED FOR INFORMATIONAL PURPOSES ONLY.

SALVAGING SIGNS AND SIGN SUPPORTS:

1. THE DEPARTMENT HAS THE RIGHT OF FIRST REFUSAL ON SALVAGING 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 DEPARTMENT OF TRANSPORTATION SIGN SHOP. DELIVERY OF SALVAGED MATERIALS SHALL BE COORDINATED THROUGH THE RESIDENT. FOR SALVAGING STEEL SIGN SUPPORTS, EACH SUPPORT SALVAGED SHALL BE IDENTIFIED BY THE MILE POINT FROM WHICH IT WAS REMOVED, ITS OVERALL LENGTH, AND ITS SIZE (IF KNOWN).

CLEAR ZONE AND GUARDRAIL PROTECTION:


1. THE CLEAR ZONE, AS DEFINED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) FOR I-95 (MAINE TURNPIKE) AND I-295 SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AASHTO ROADSIDE DESIGN GUIDE AND LATEST ERRATA FROM TABLE 3-1 "SUGGESTED CLEAR-ZONE DISTANCES (IN FEET) FROM EDGE OF TRAVELED LANE." 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.
2. WHERE GUARDRAIL PROTECTS THE SIGN, THE NEAREST EDGE OF SIGN SHALL NOT BE CLOSER THAN SIX (6) FEET FROM THE FACE OF THE GUARDRAIL.
3. 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.

SIGN SUPPORTS AND FOUNDATIONS:

1. ALL NEW STEEL H-BEAM SUPPORTS SHALL EXTEND TO THE TOP OF THE NEW SIGN, EXCEPT WHERE NOTED IN THE PLANS.
2. 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 OR TO CONSTRUCT A GROUTED ROCK-ANCHORED FOUNDATION IN ACCORDANCE WITH MAINEDOT STANDARD DETAIL 6261061.
3. 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 DEPARTMENT HAS THE RIGHT TO RELOCATE THE PROPOSED FOUNDATION TO AVOID THE UNSUITABLE SOILS.

TRAFFIC CONTROL:

1. 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 I-95 (MAINE TURNPIKE) AND I-295 ARE PROVIDED IN THE PLANS FOR USE BY THE CONTRACTOR.
2. 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.
3. 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.
4. ANY SIGNS, EQUIPMENT, OR DEVICES FOUND TO BE DAMAGED OR UNSERVICEABLE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. ALL SHOULDER AND LANE CLOSURES SHALL REQUIRE APPROVAL OF THE RESIDENT A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF THE LANE CLOSURE.
6. APPROACH ENDS OF TEMPORARY CONCRETE BARRIER SHALL BE PROTECTED BY TEMPORARY IMPACT ATTENUATORS OR WITH GUARDRAIL OVERLAPS AS APPROVED BY THE RESIDENT.
7. THE CONTRACTOR SHALL SUBMIT A LIGHTING PLAN FOR NIGHT WORK FOR APPROVAL.
8. ALL LANE CLOSURES SHALL REQUIRE A TRUCK MOUNTED ATTENUATOR (TMA). SHOULDER CLOSURES ALONG THE TURNPIKE SHALL INCLUDE A TMA. SHOULDER CLOSURES ALONG I-295 MAY INCLUDE A TMA IF INCLUDED IN THE CONTRACTOR'S APPROVED TCP.

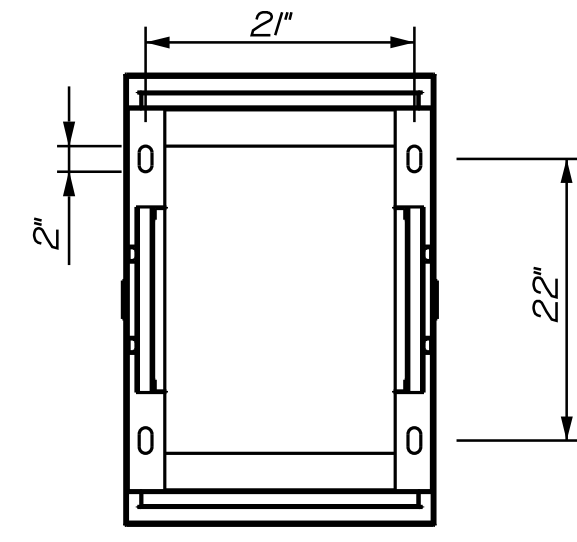
		STATE OF MAINE DEPARTMENT OF TRANSPORTATION PROJECT NO. 2376(704) WIN 23767.04 ITS PLANS
ITS TRAVEL TIME SIGNS	GENERAL NOTES	SHEET NUMBER <div style="font-size: 2em; font-weight: bold; margin: 10px 0;">2</div> OF 19

Date: 5/16/2018

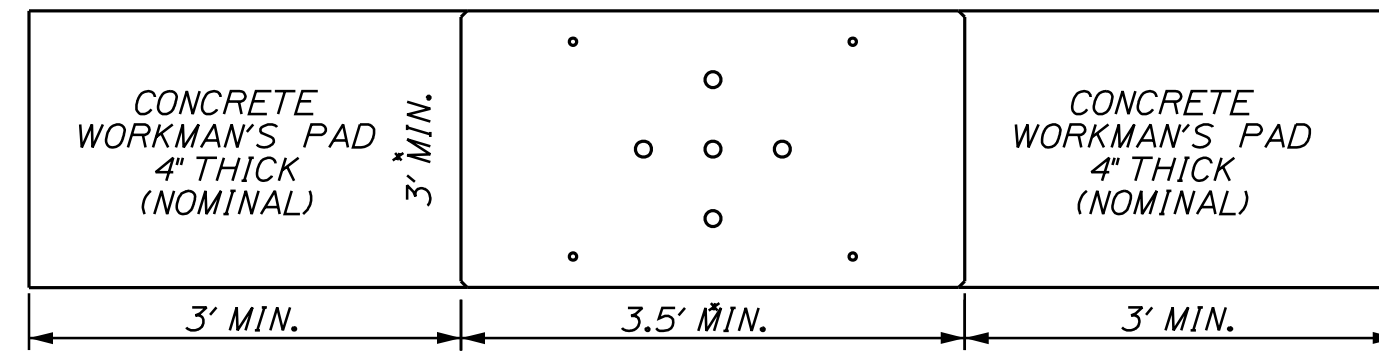
Username: jrobert

Division: HIGHWAY

Filename: ... \its\planset\007\_Detail\_01.dgn



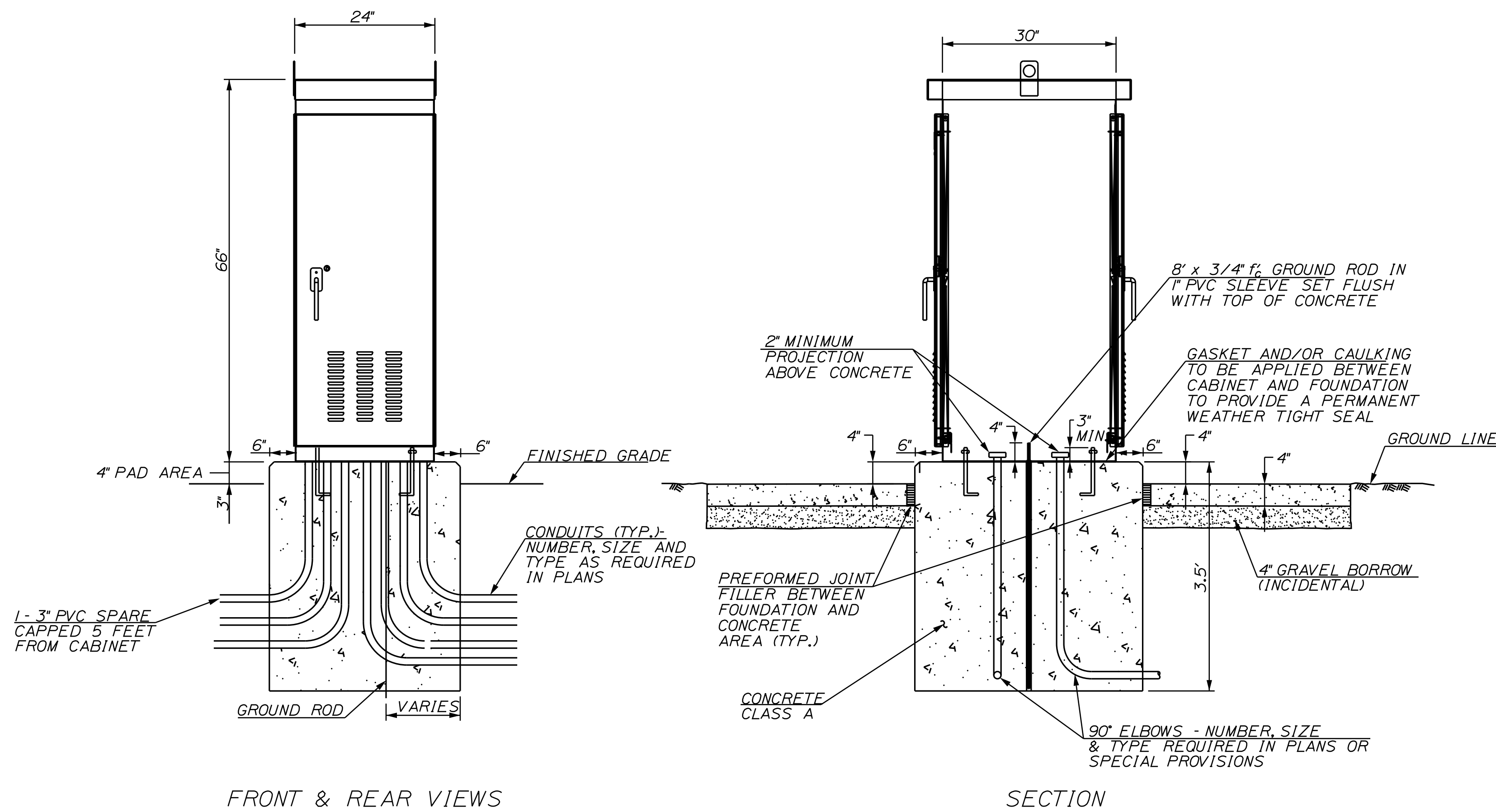
**BOTTOM VIEW**  
(NO COMPONENTS)



\* FOUNDATION SHALL BE 6" WIDER AND LONGER THAN CABINET BASE TO BE INSTALLED

**FOUNDATION PLAN**

BOLT SIZE, SPACING AND PROJECTION ABOVE CONCRETE PER MANUFACTURER'S TEMPLATE



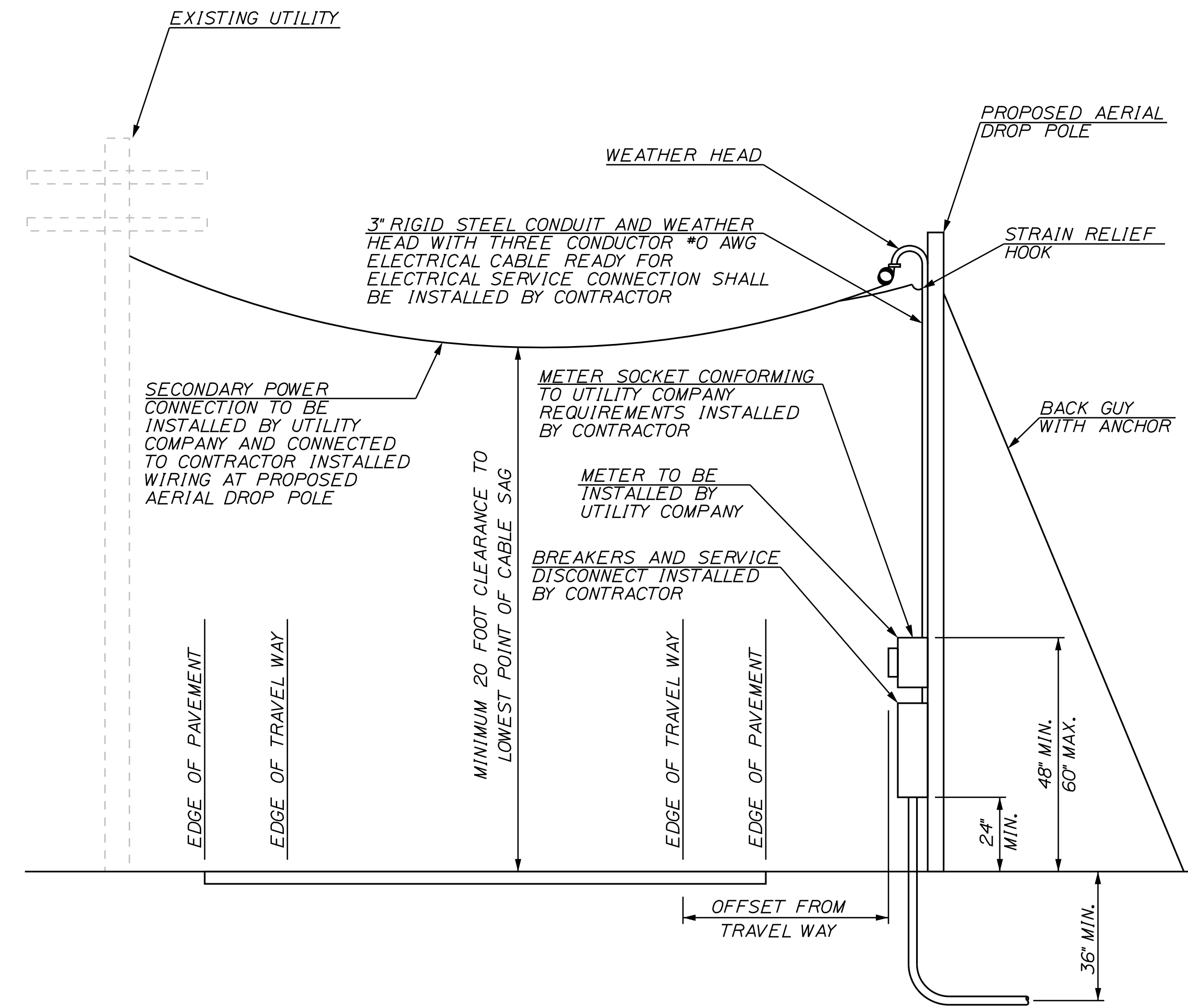
**FRONT & REAR VIEWS**

**SECTION**

**GROUND MOUNTED ITS EQUIPMENT CABINET DETAIL**  
NOT TO SCALE

**NOTES:**

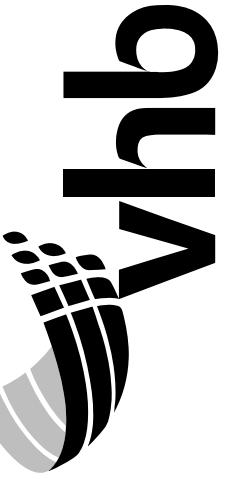
1. ALL EXPOSED EDGES OF THE FOUNDATION SHALL BE CHAMFERED 3/4".
2. WORKMAN'S PADS (AND CABINET DOORS) SHOULD BE ORIENTED AS SHOWN ON THE PLANS.
3. CONTRACTOR SHALL INSTALL A SPARE 2" PVC CONDUIT CAPPED 5 FEET FROM CABINET AT ALL GROUND MOUNTED LOCATIONS.



**POWER SERVICE AERIAL DROP DETAIL**  
NOT TO SCALE

**NOTES:**

1. WHERE INDICATED IN PLANS, CONTRACTOR SHALL FURNISH AND INSTALL A WOOD POLE WITH GUYS, WEATHER HEAD, 3" RIGID METALLIC CONDUIT RISER, METER SOCKET, BREAKERS AND DISCONNECT, STRAIN RELIEF HOOK, AND 3-CONDUCTOR #0 AWG ELECTRICAL CABLING TO BE MADE READY FOR ELECTRICAL SERVICE CONNECTION FOR AERIAL SECONDARY DROP FROM UTILITY POWER SOURCE. THIS WORK WILL BE PAID FOR UNDER ITEM 643.97 AND AFTER 643.97, WHERE AN EXISTING DROP POLE EXISTS, CONTRACTOR SHALL INSTALL ELECTRICAL CONNECTION MATERIALS ON THE EXISTING POLE PAID FOR UNDER ITEM 643.97. THE ELECTRICAL AND SPAN WIRE CONNECTION FROM THE UTILITY POLE TO THE AERIAL DROP POLE AND METER INSTALLATION SHALL BE PERFORMED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL BE READY FOR ELECTRICAL SERVICE AND METER INSTALLATIONS, MOST RECENT EDITION.
2. PROPOSED AERIAL DROP POLE FOR GM 1-295 MM 18.13\_N IN FREEPORT SHALL BE LOCATED AT A MINIMUM OF 26 FEET FROM THE TRAVEL WAY OF US ROUTE 1 SOUTHBOUND.
3. PROPOSED AERIAL DROP POLE FOR GM 1-295 MM 30.17\_S IN TOPSHAM SHALL BE LOCATED AT A MINIMUM OF 14 FEET FROM THE TRAVEL WAY OF RIVER ROAD NORTHBOUND.
4. EXISTING AERIAL DROP POLE FOR GM 1-295 MM 19.79\_S SHALL HAVE ITEMS LISTED IN NOTE 1 TO READY THE EXISTING POLE FOR NEW ELECTRICAL SERVICE CONNECTION.



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN DETAILED	E. DREW	J. ROBERT	04/18
CHECKED/REVIEWED	E. DREW	M. SUENNEN	04/18
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

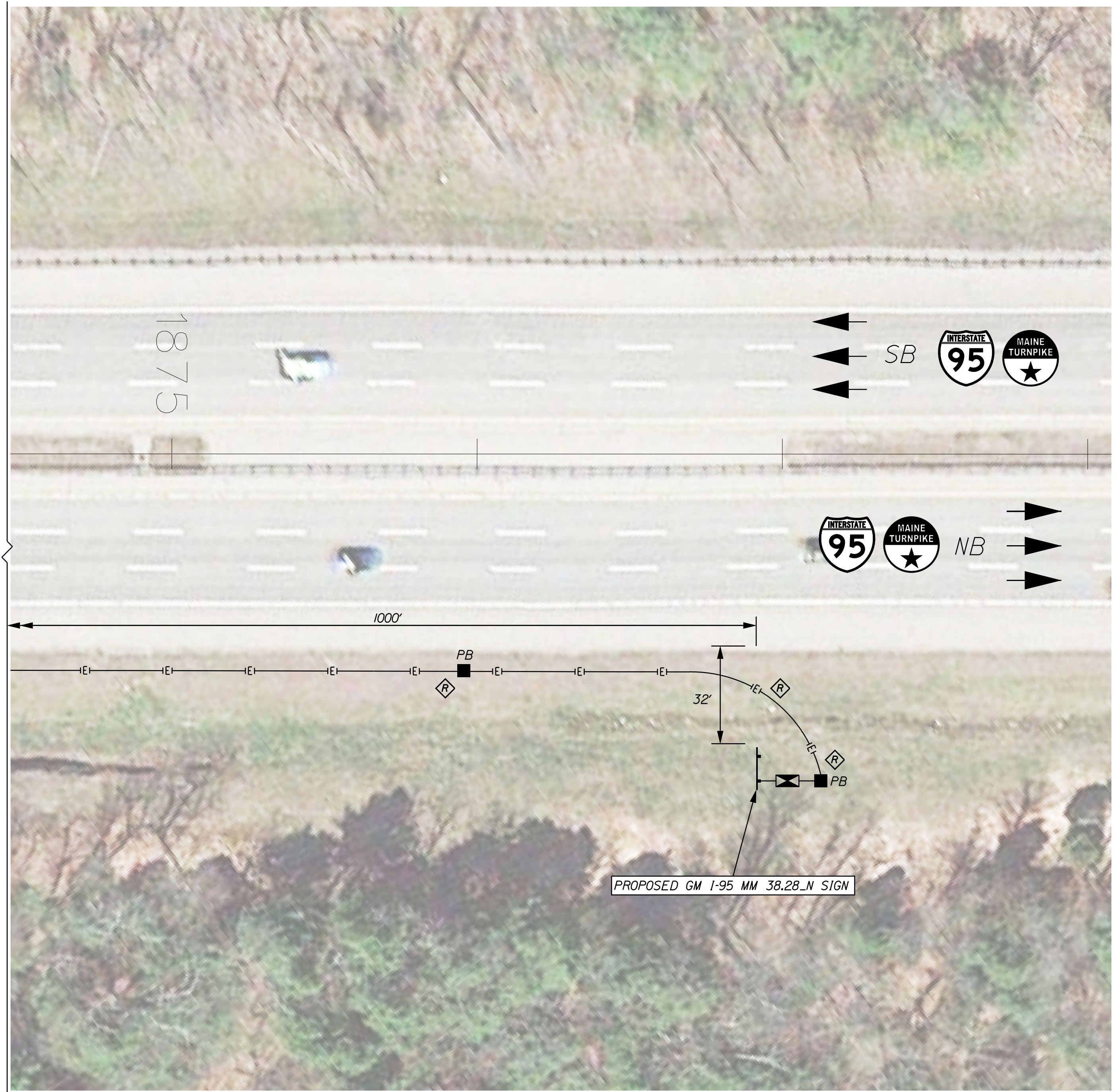
**ITS  
TRAVEL TIME SIGNS**

**DETAILS**

SHEET NUMBER

7

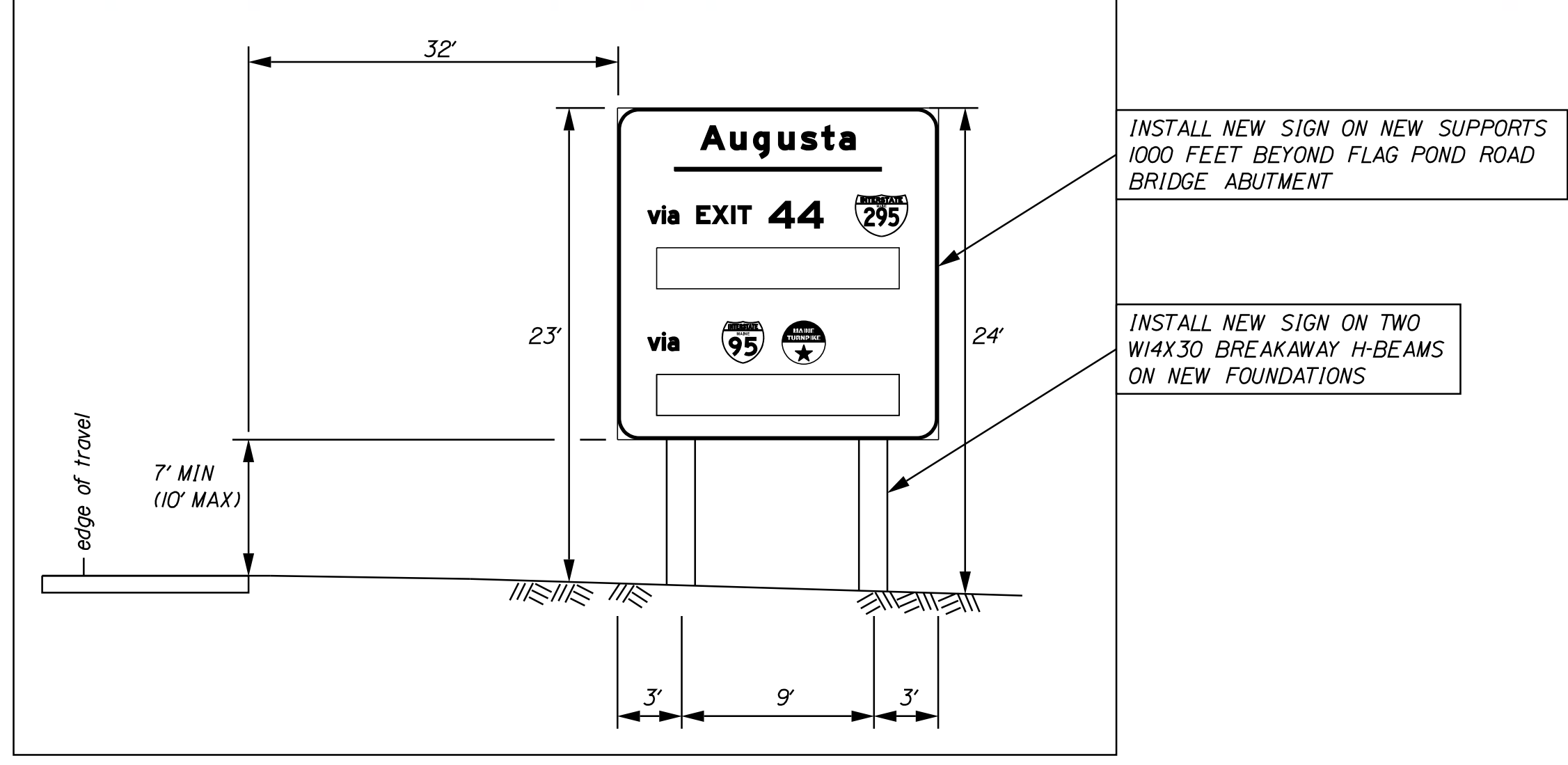
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 Division: HIGHWAY  
 Username: jrobert  
 Date: 5/16/2018



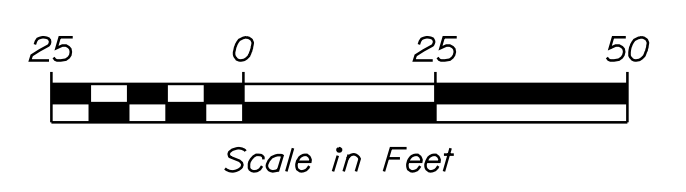
LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	6
626.21	METALLIC CONDUIT	40
626.22	NON-METALLIC CONDUIT	1180
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	7.3
645.162	BREAKAWAY DEVICE, MULTI POLE	2
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	232.50
645.289	STEEL H-BEAM POLES	1410
645.301	DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE	9
645.52	HYBRID TRAVEL TIME SIGN: (GM I-95 MM 38.28_N)	1

PROPOSED GM I-95 MM 38.28\_N SIGN FACE



**UTILITY NOTES**  
 1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINE DOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINE DOT UTILITY ACCOMMODATION RULES.



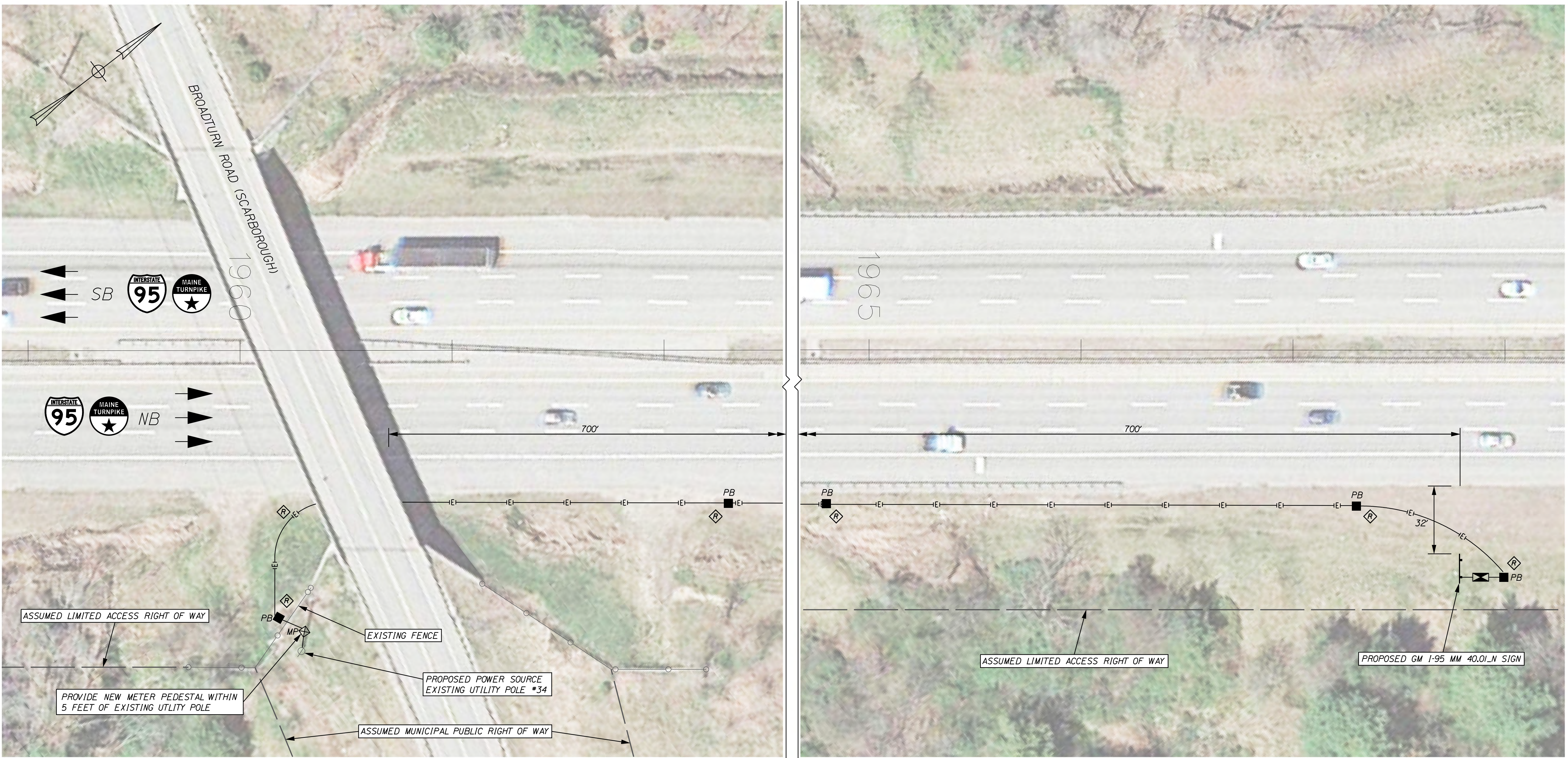
STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 PROJECT NO. 2376(704)  
 WIN 23767.04  
 ITS PLANS

**vhb**

PROJ. MANAGER	S. LANDRY	BY	J. ROBERT	DATE	04/18
DESIGN DETAILED	E. DREW	CHECKED/REVIEWED	M. SIEMEN		04/18
DESIGN DETAILED		DESIGN DETAILED			
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

ITS TRAVEL TIME SIGNS  
 GM I-95 MM 38.28\_N

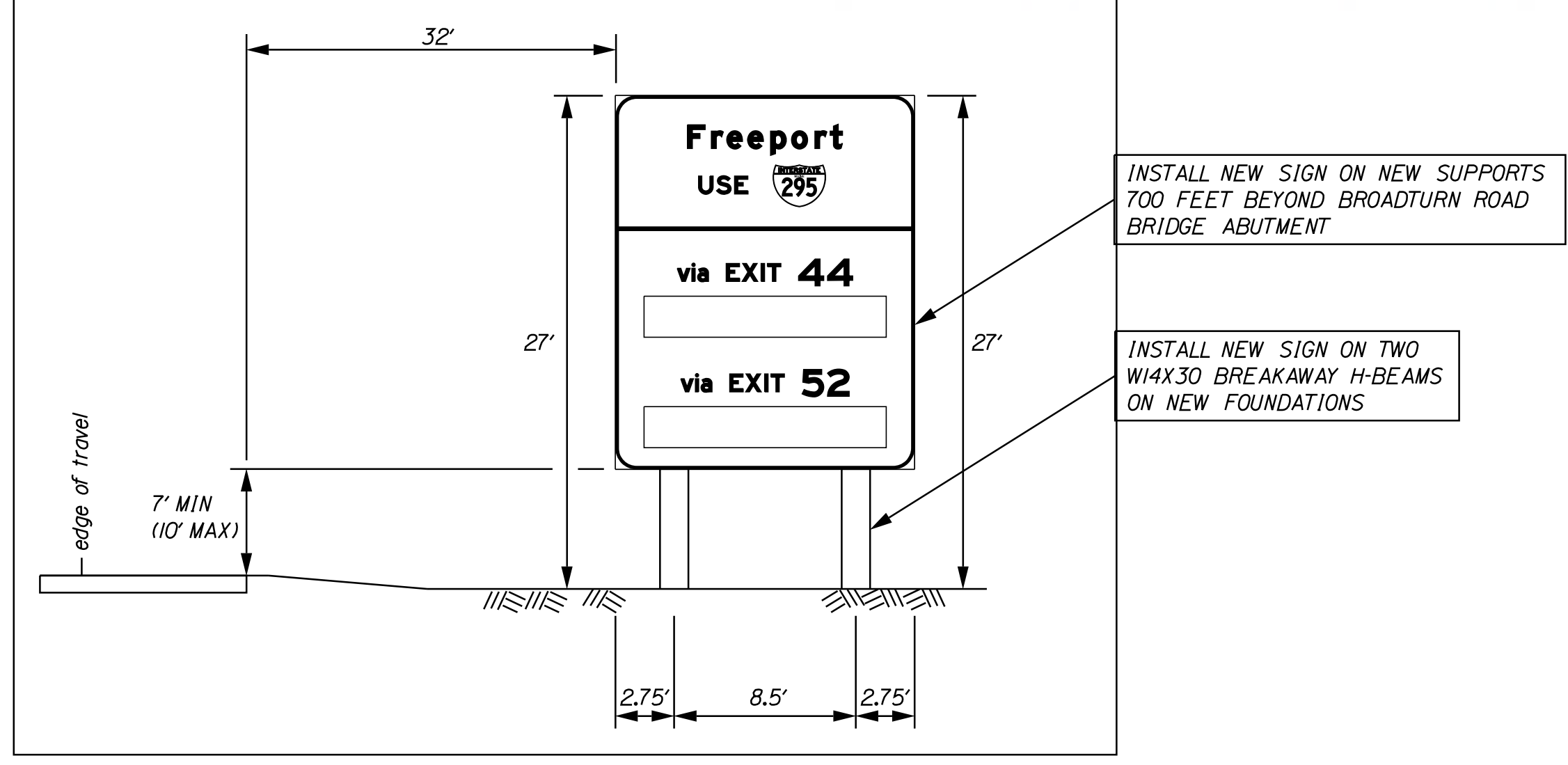
SHEET NUMBER  
**10**  
 OF 19



LIST OF MAJOR ITEMS

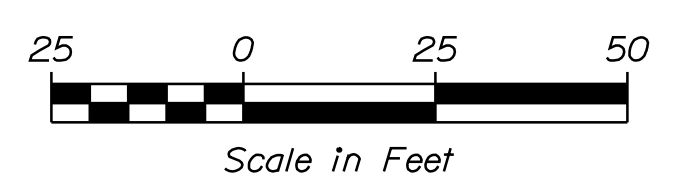
ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	5
626.21	METALLIC CONDUIT	40
626.22	NON-METALLIC CONDUIT	900
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	7.3
645.162	BREAKAWAY DEVICE, MULTI POLE	2
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	245.00
645.289	STEEL H-BEAM POLES	1620
645.301	DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE	6
645.52	HYBRID TRAVEL TIME SIGN: (GM I-95 MM 40.01_N)	1

PROPOSED GM I-95 MM 40.01\_N SIGN FACE

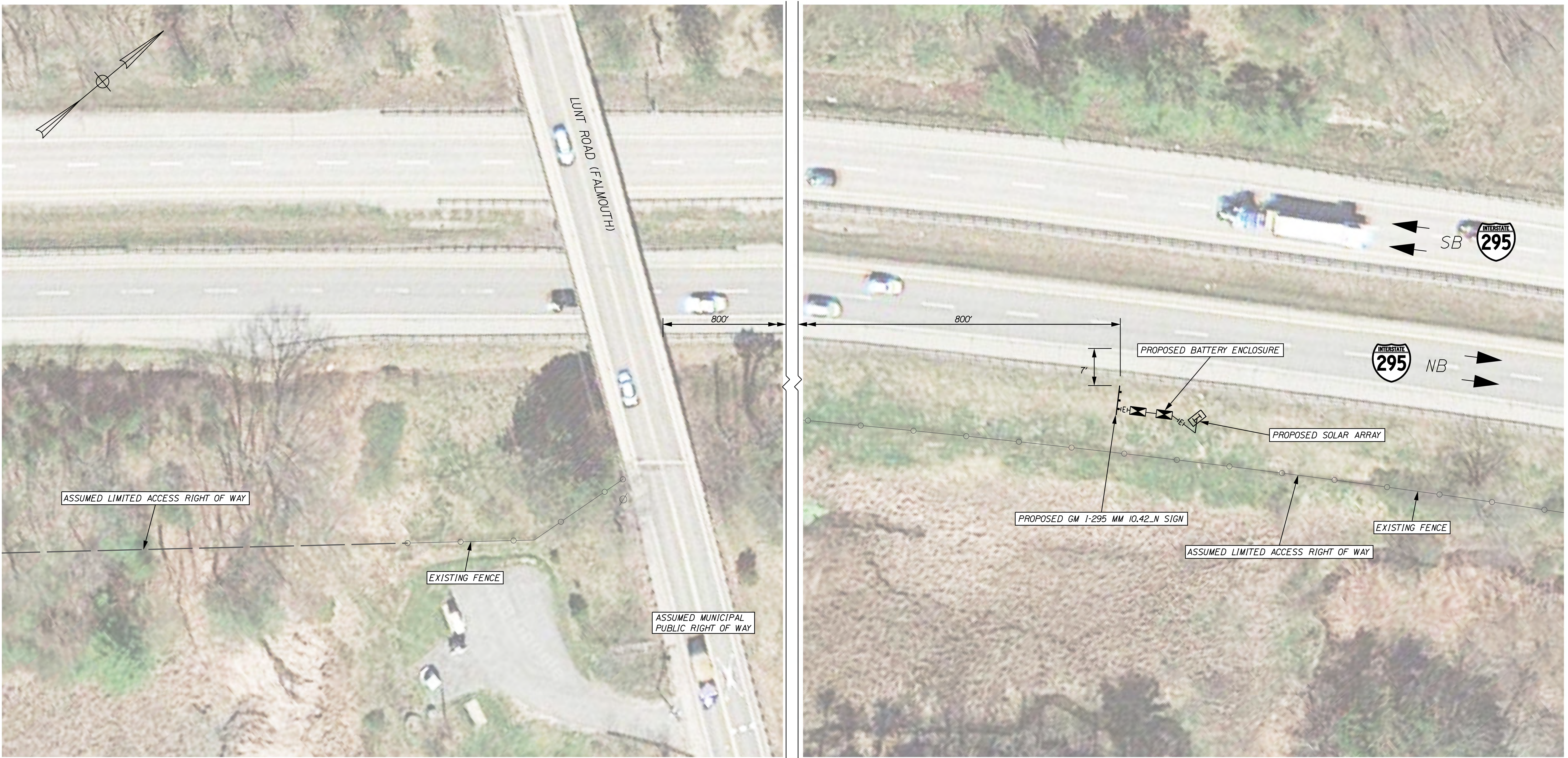


UTILITY NOTES

- INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.



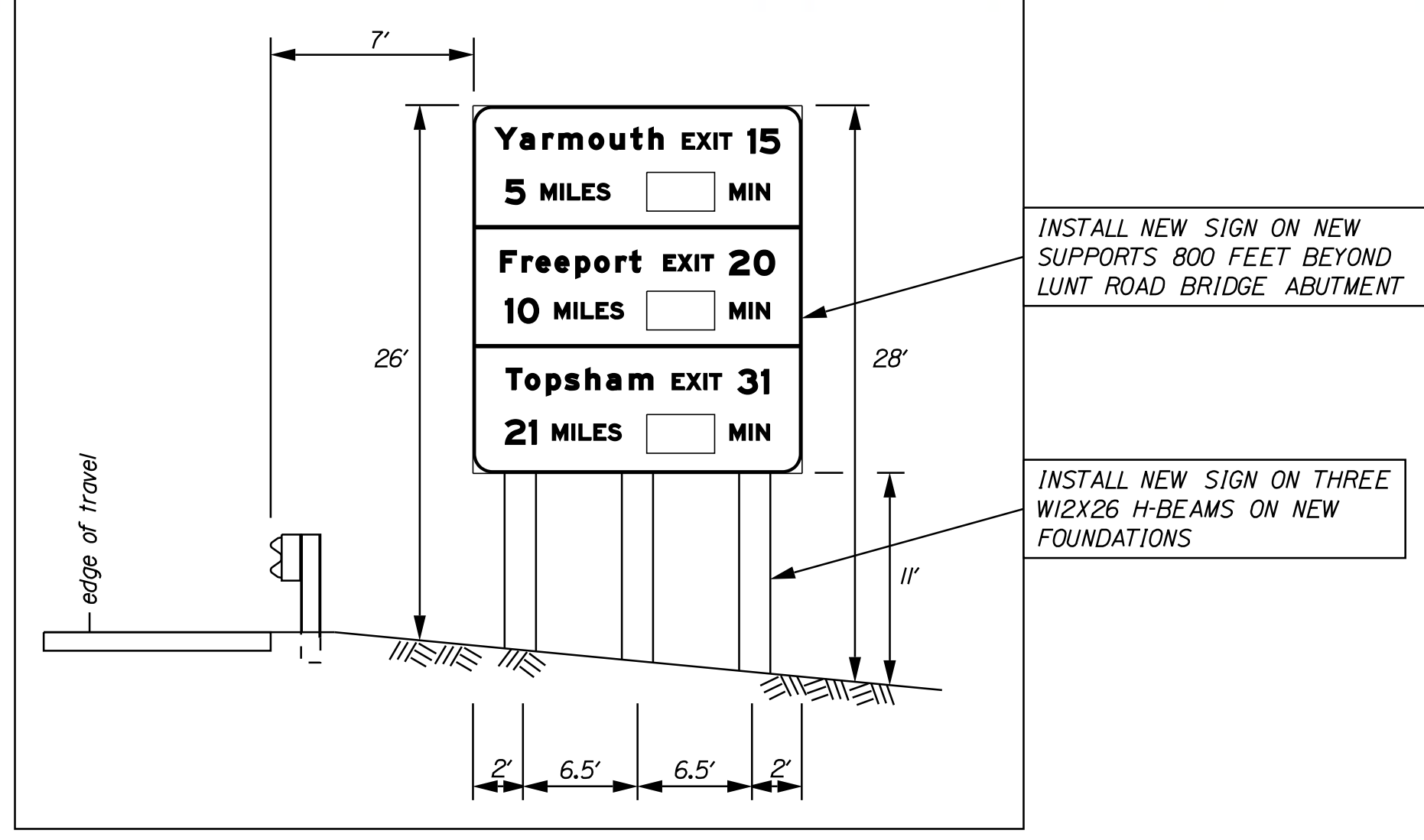
PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN DETAILED	E. DREW	J. ROBERT	04/18
CHECKED/REVIEWED	E. DREW	M. SIEMMEN	04/18
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



LIST OF MAJOR ITEMS

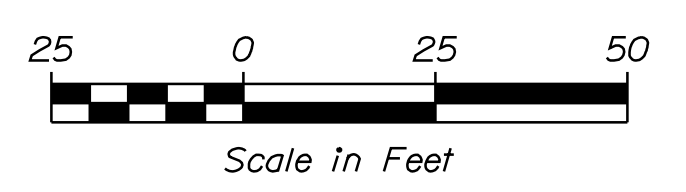
ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.21	METALLIC CONDUIT	61
626.22	NON-METALLIC CONDUIT	25
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	8.7
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	323.00
645.289	STEEL H-BEAM POLES	2106
645.52	HYBRID TRAVEL TIME SIGN:(GM I-295 MM 10.42_N)	1

PROPOSED GM I-295 MM 10.42\_N SIGN FACE



UTILITY NOTES

- INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN DETAILED	E. DREW	J. ROBERT	04/18
CHECKED-REVIEWED	E. DREW	M. SIEMMEN	04/18
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

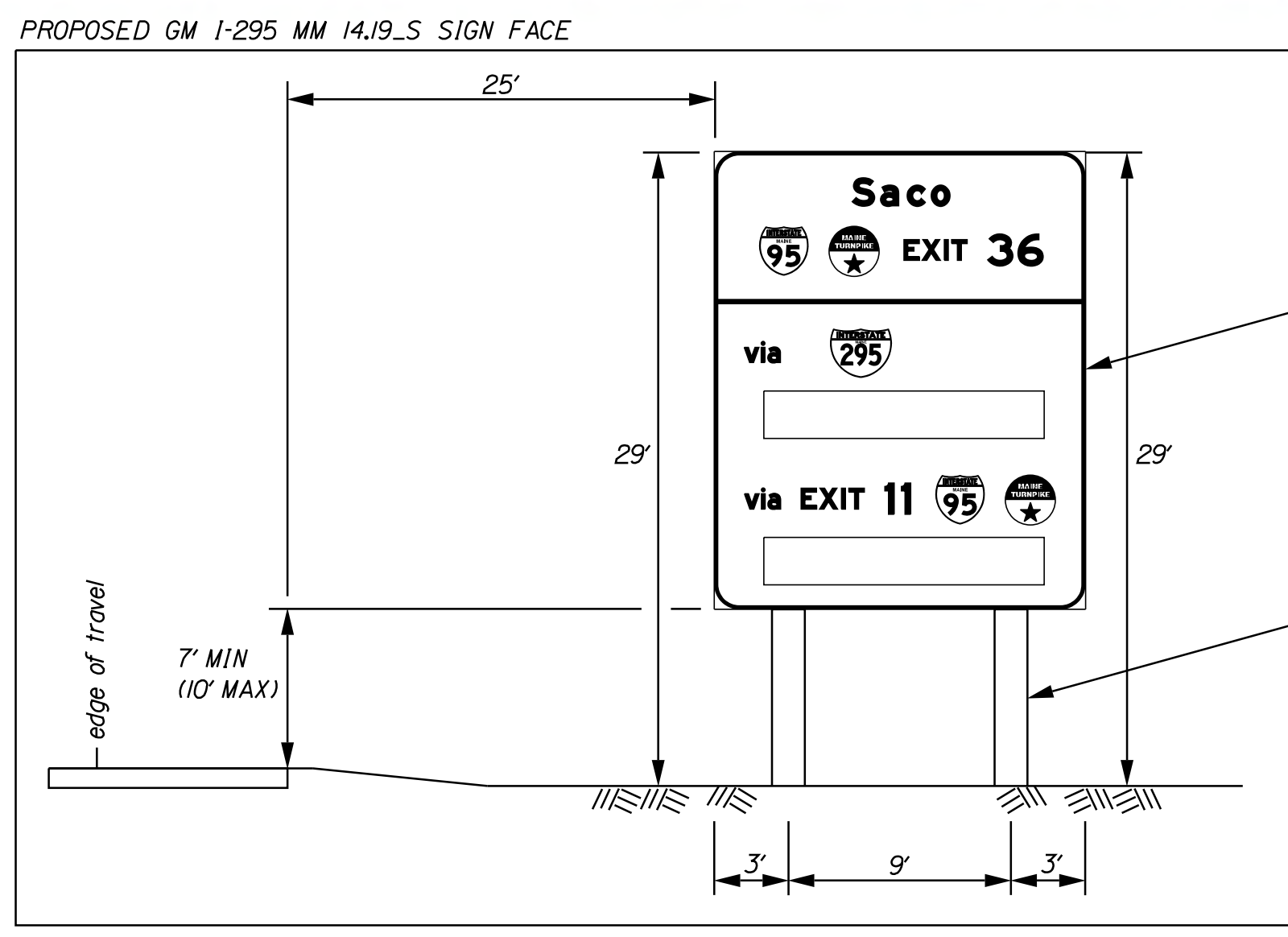
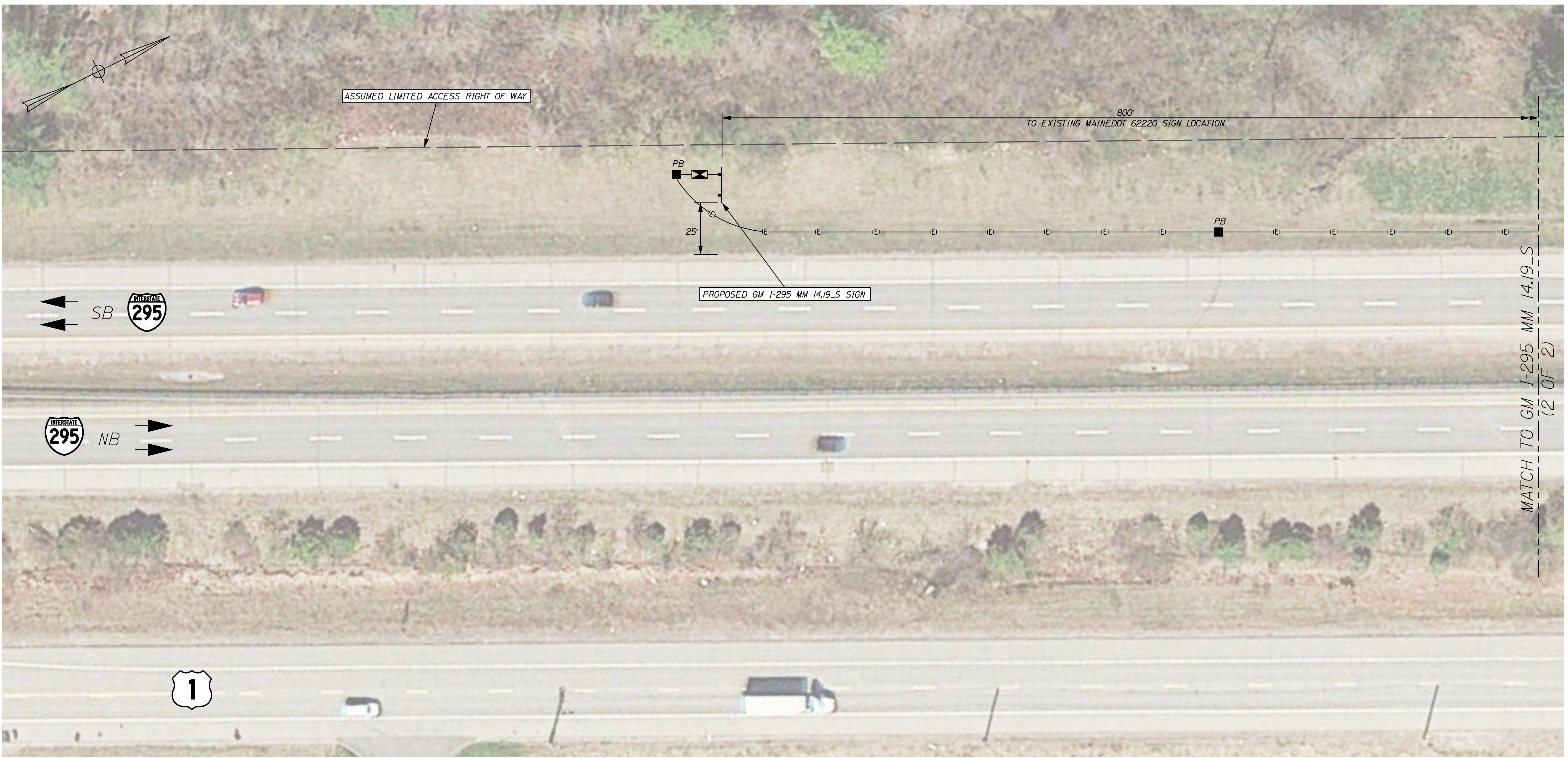
ITS  
TRAVEL TIME SIGNS  
GM I-295 MM 10.42\_N  
(SOLAR)

SHEET NUMBER

12

OF 19

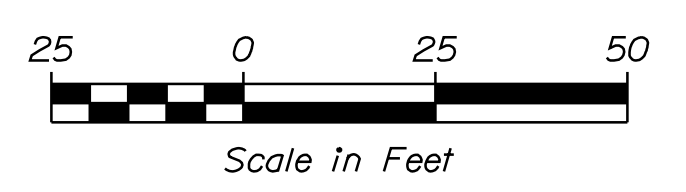
Filename: ... \cod\vis\planset\013\_Sign\_04.dgn Date: 5/16/2018 Username: jrobert Division: HIGHWAY



INSTALL NEW SIGN ON NEW SUPPORTS 800 FEET BEYOND THE EXISTING 62220 SIGN LOCATION

INSTALL NEW SIGN ON TWO W114X30 BREAKAWAY H-BEAMS ON NEW FOUNDATIONS

**UTILITY NOTES**  
 1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.



STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 PROJECT NO. 2376(704)  
 WIN  
 23767.04  
 ITS PLANS



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN DETAILED	E. DREW	J. ROBERT	04/18
CHECKED/REVIEWED	E. DREW	M. SIEMEN	04/18
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ITS  
 TRAVEL TIME SIGNS  
 GM I-295 MM 14.19\_S  
 (1 OF 2)

SHEET NUMBER  
**13**  
 OF 19

Date: 5/16/2018

Username: jrobert

Division: HIGHWAY

Filename: ... \ts\planset\014\_Sign\_04.dgn



LIST OF MAJOR ITEMS

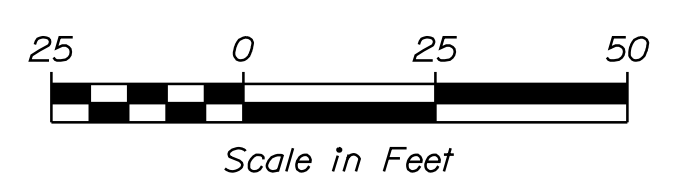
ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	5
626.21	METALLIC CONDUIT	40
626.22	NON-METALLIC CONDUIT	1015
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	7.4
645.162	BREAKAWAY DEVICE, MULTI POLE	2
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	277.50
645.289	STEEL H-BEAM POLES	1740
645.52	HYBRID TRAVEL TIME SIGN:(GM I-295 MM 14.19_S)	1

EXISTING SIGN 62220



UTILITY NOTES

- INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
PROJECT NO. 2376(704)  
WIN  
23767.04  
ITS PLANS



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN DETAILED	E. DREW	J. ROBERT	04/18
CHECKED/REVIEWED	E. DREW	M. SIEMMEN	04/18
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ITS  
TRAVEL TIME SIGNS  
GM I-295 MM 14.19\_S  
(2 OF 2)

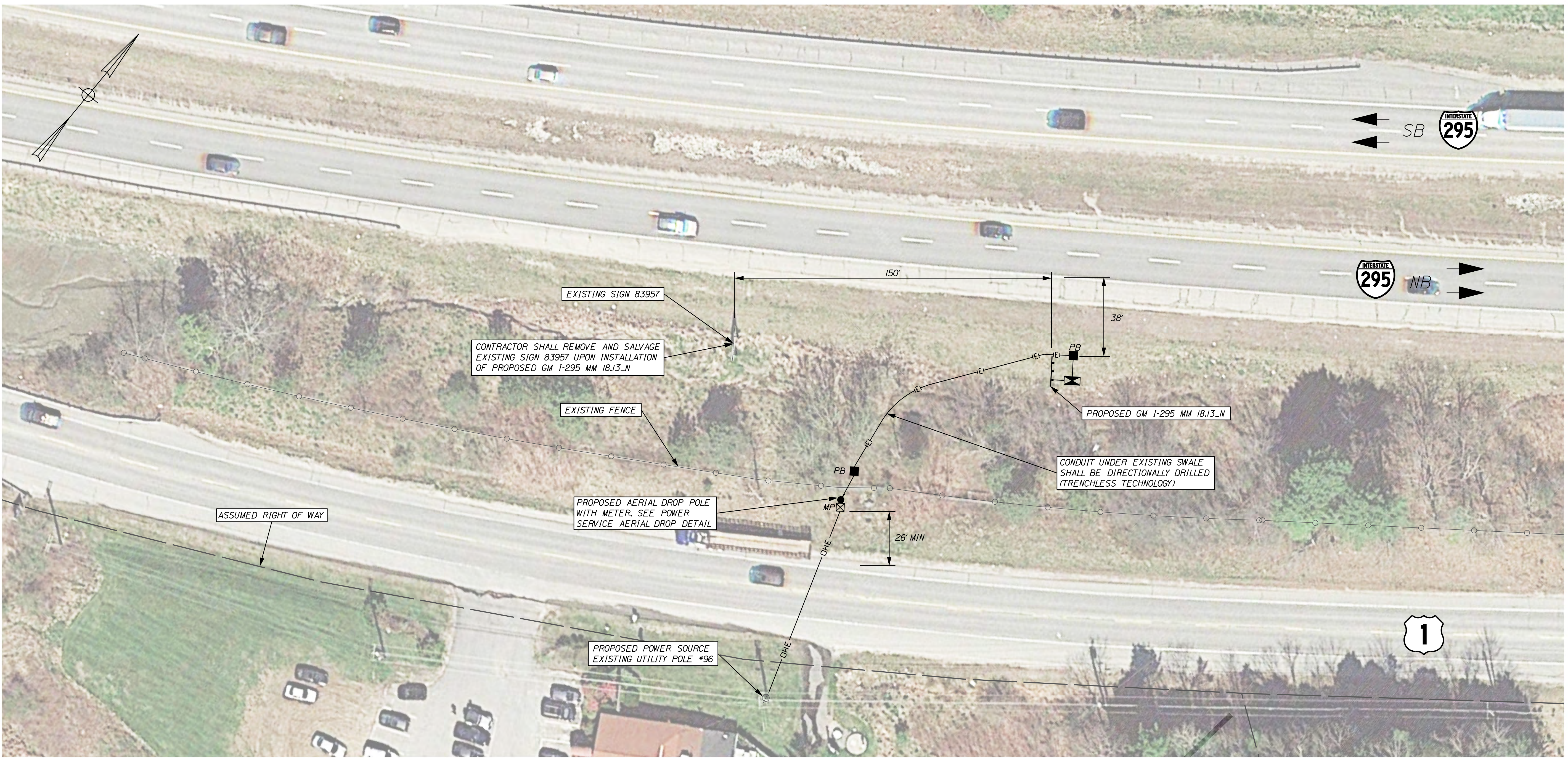
SHEET NUMBER  
**14**  
OF 19

Date: 5/16/2018

Username: jrobert

Division: HIGHWAY

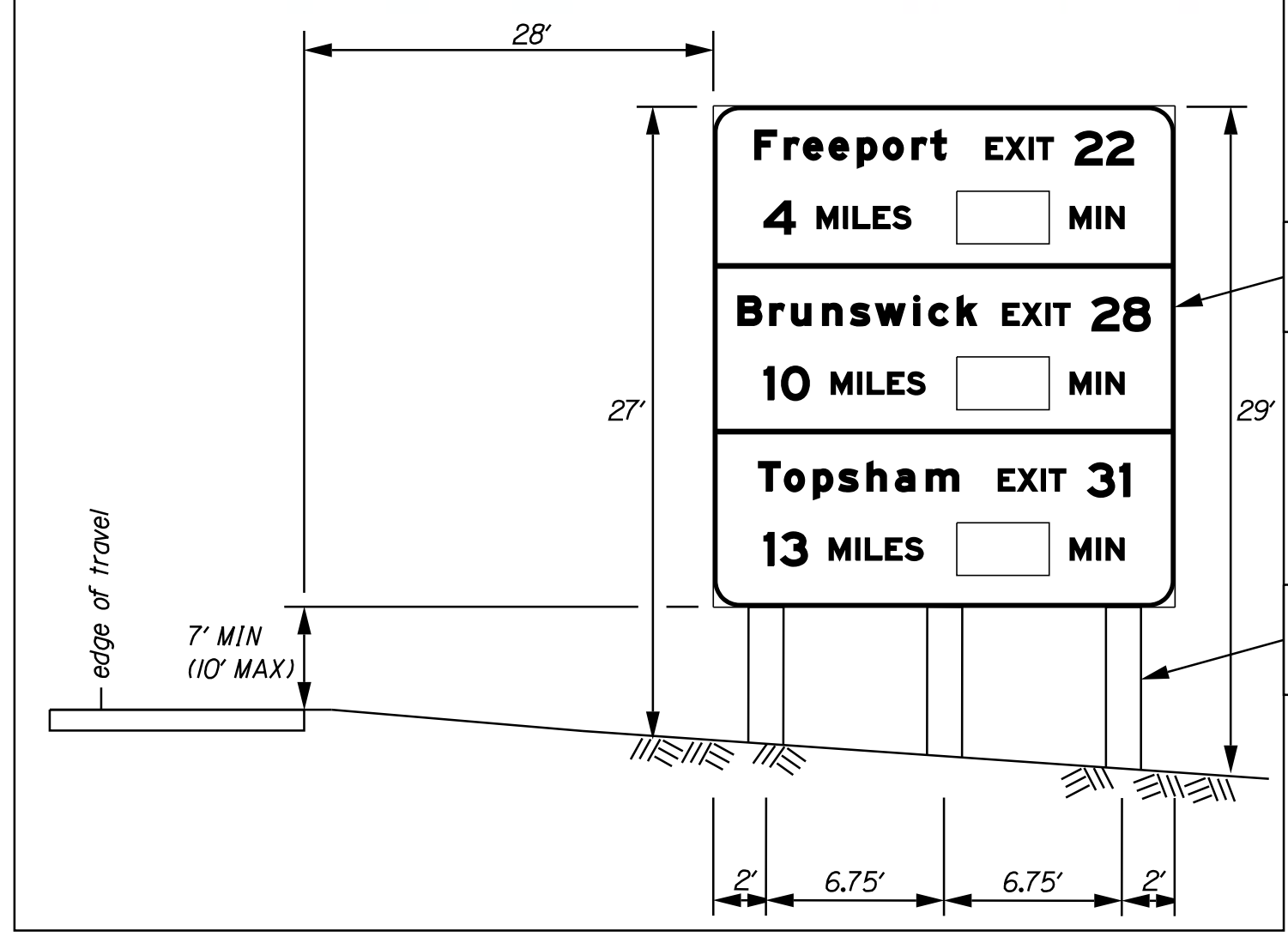
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LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	2
626.21	METALLIC CONDUIT	36
626.22	NON-METALLIC CONDUIT	220
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	11.0
643.97	WOOD POLE WITH GUYS AND SPAN WIRE	1
645.103	DEMOUNT GUIDE SIGN	1
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	332.50
645.289	STEEL H-BEAM POLES	2520
645.52	HYBRID TRAVEL TIME SIGN: (GM I-295 MM 18.13_N)	1

PROPOSED GM I-295 18.13\_N SIGN FACE

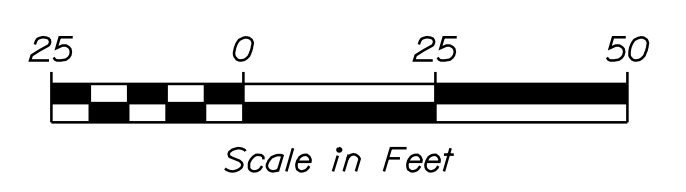


EXISTING SIGN 83957



UTILITY NOTES

- INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINE DOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINE DOT UTILITY ACCOMMODATION RULES.
- NEW AERIAL DROP POLES SHALL BE LOCATED BY THE MAINE DOT RESIDENT IN ACCORDANCE WITH THE CURRENT VERSION OF THE UTILITY ACCOMMODATION RULES. THE LOCATION AND OFFSET OF THE PROPOSED AERIAL DROP POLE IS INDICATED IN THE PLANS DETAILED IN THE POWER SERVICE AERIAL DROP DETAIL.



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
PROJECT NO. 2376(704)  
WIN  
23767.04  
ITS PLANS



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN DETAILED	E. DREW	J. ROBERT	04/18
CHECKED/REVIEWED	E. DREW	M. SIEMMEN	04/18
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ITS  
TRAVEL TIME SIGNS  
GM I-295 MM 18.13\_N

SHEET NUMBER

15

OF 19

Date: 5/16/2018

Username: jrobert

Division: HIGHWAY

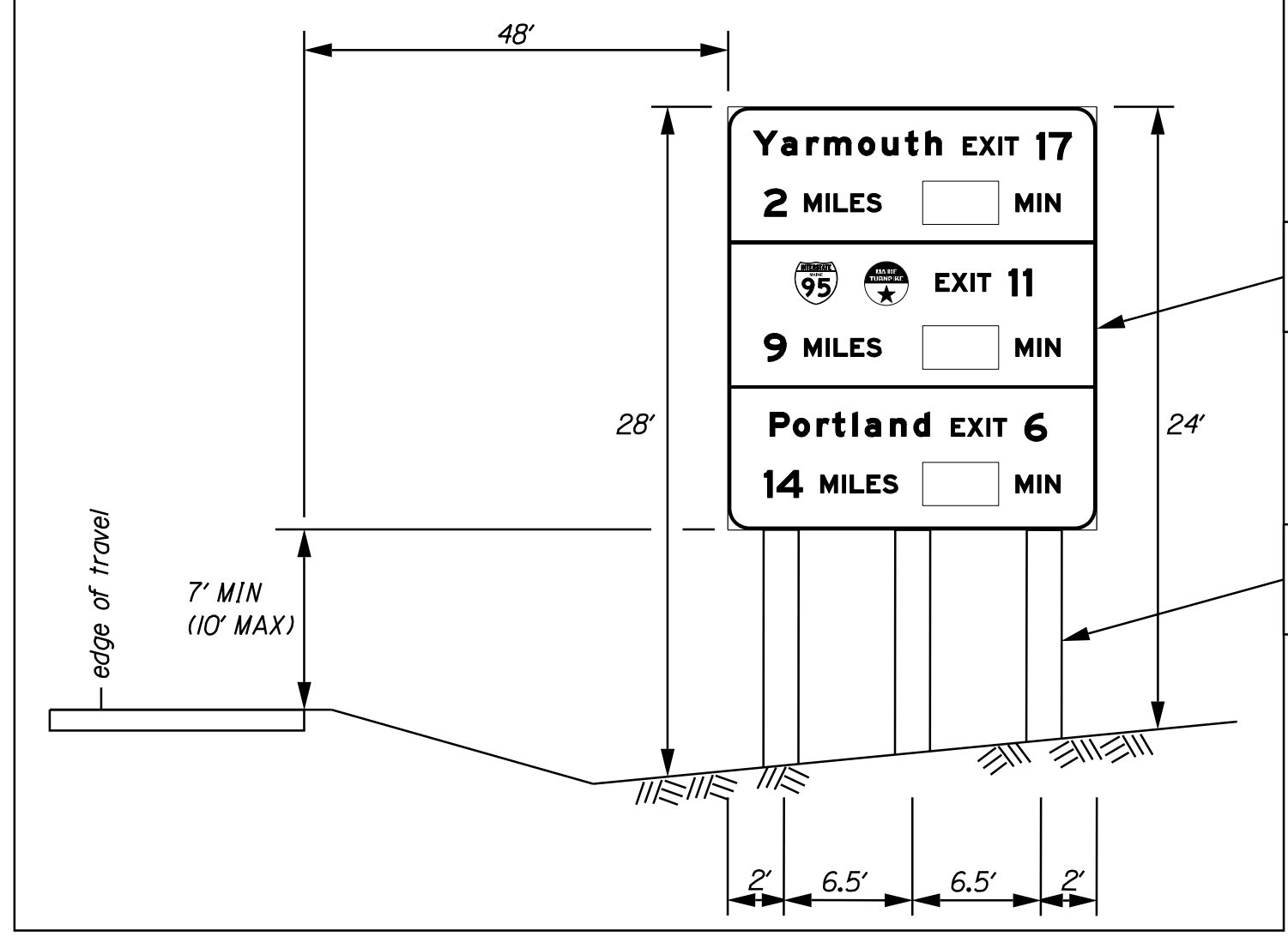
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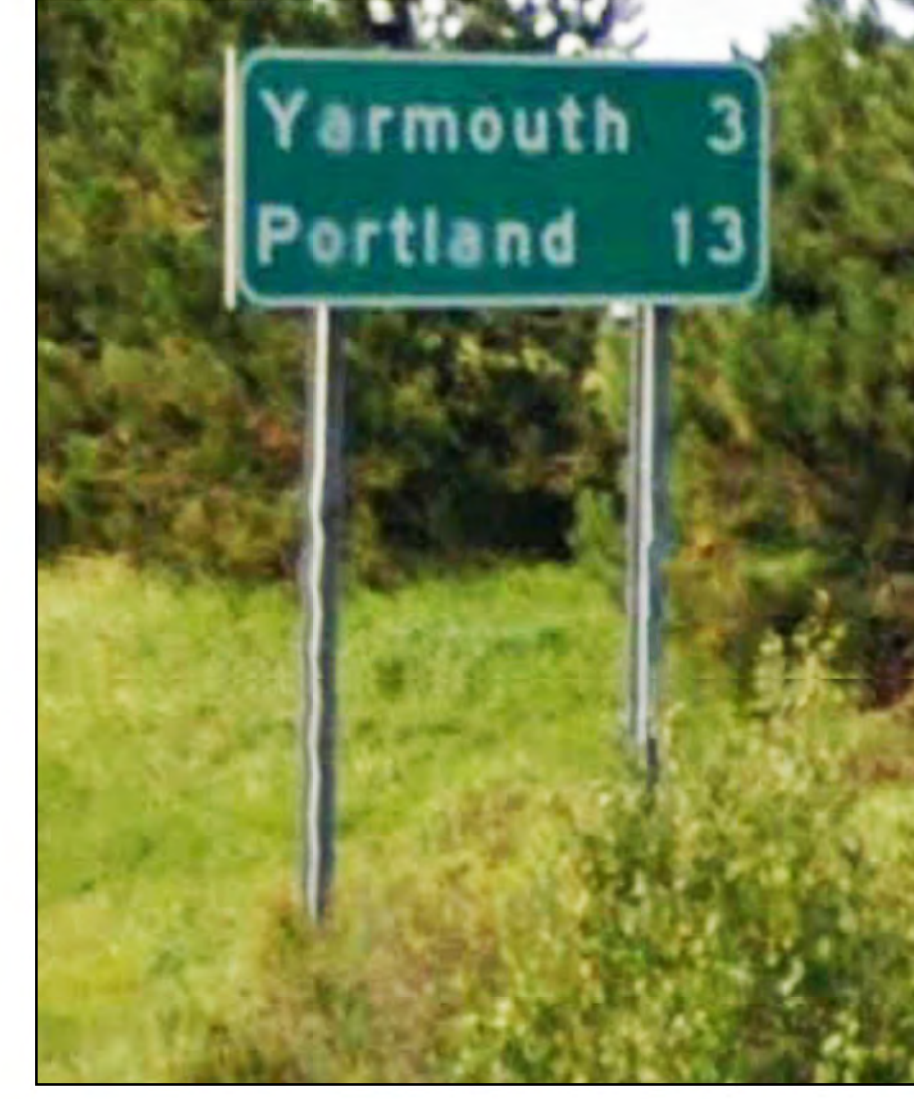
LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	3
626.21	METALLIC CONDUIT	36
626.22	NON-METALLIC CONDUIT	560
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	11.0
643.971	MODIFY WOOD POLE	1
645.103	DEMOUNT GUIDE SIGN	1
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	331.50
645.289	STEEL H-BEAM POLES	2400
645.52	HYBRID TRAVEL TIME SIGN: (GM I-295 MM 19.79_S)	1

PROPOSED GM I-295 19.79\_S SIGN FACE

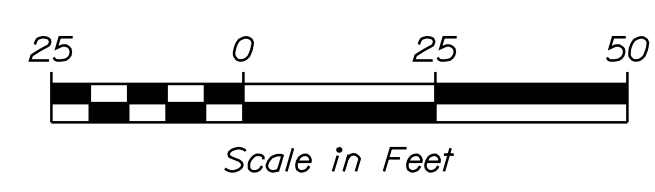


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UTILITY NOTES

- INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2. PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
- CONTRACTOR SHALL USE THE EXISTING UTILITY POLE WITH ABANDONED METER EQUIPMENT FOR NEW POWER DROP. NEW ELECTRICAL SERVICE EQUIPMENT SHALL BE INSTALLED ON THE EXISTING POLE IN ACCORDANCE WITH THE POWER SERVICE AERIAL DROP DETAIL IN THE PLANS.



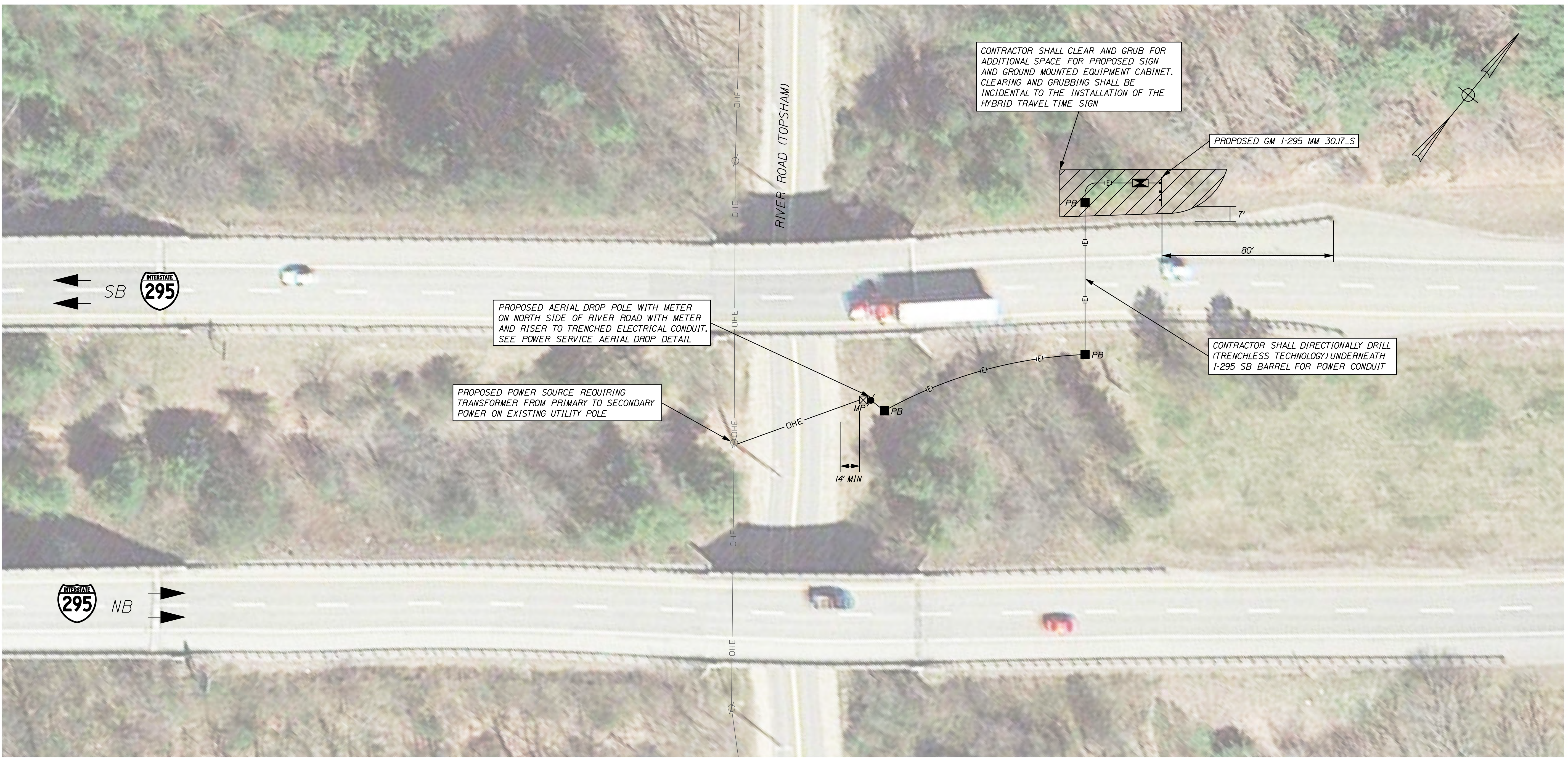
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
PROJECT NO. 2376(704)  
WIN  
23767.04  
ITS PLANS



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN-DETAILED	E. DREW	J. ROBERT	04/18
CHECKED-REVIEWED	E. DREW	M. SUENNEN	04/18
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
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REVISIONS 4			
FIELD CHANGES			

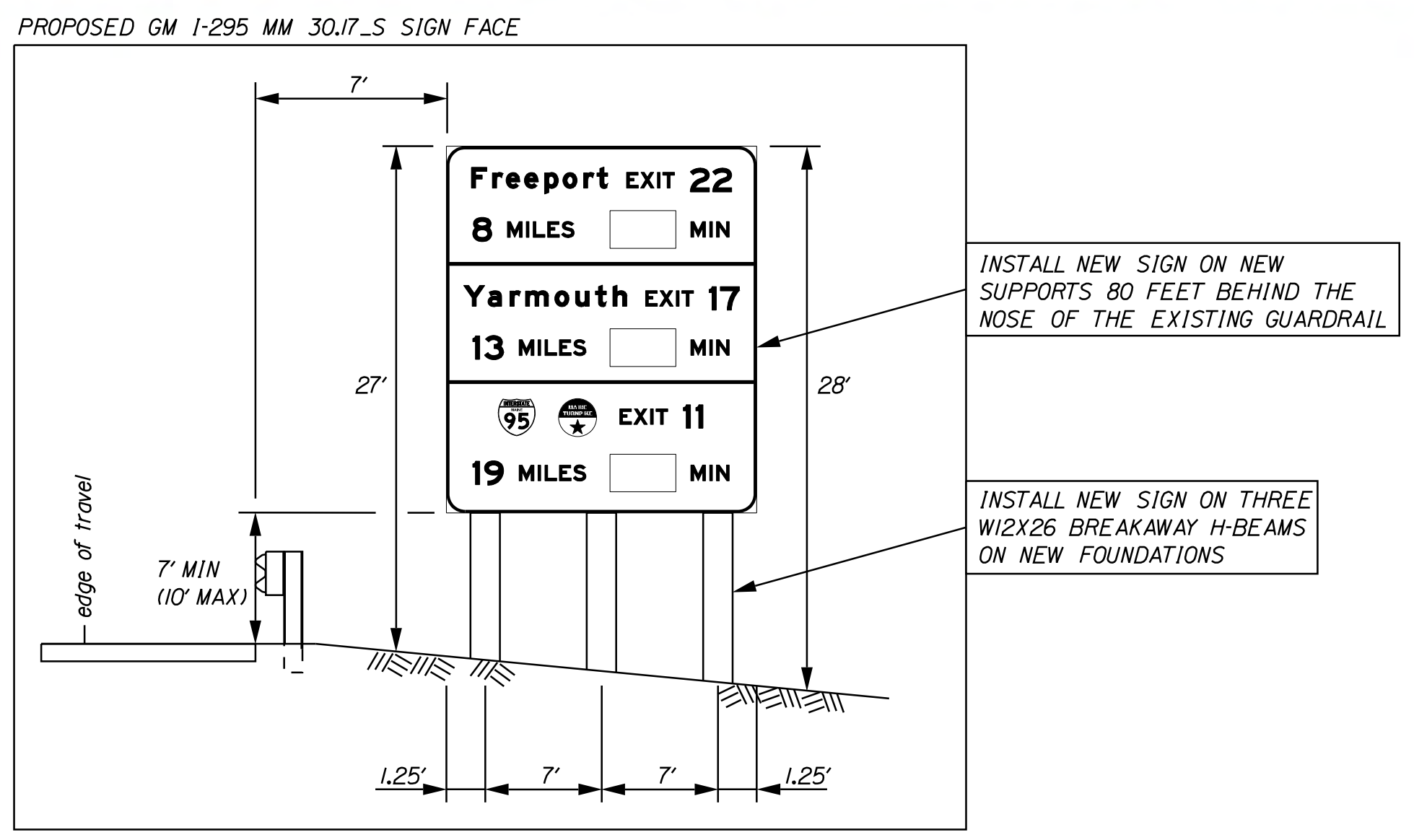
ITS  
TRAVEL TIME SIGNS  
GM I-295 MM 19.79\_S

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**16**  
OF 19

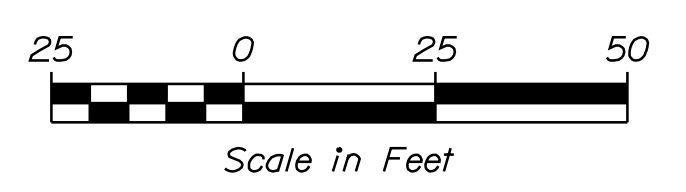


**LIST OF MAJOR ITEMS**

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
201.12	SELECTIVE CLEARING AND THINNING	0.10
626.11	PRECAST CONCRETE JUNCTION BOX	3
626.21	METALLIC CONDUIT	36
626.22	NON-METALLIC CONDUIT	155
626.251	NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	70
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	8.7
643.97	WOOD POLE WITH GUY WIRES AND SPAN WIRE	1
645.162	BREAKAWAY DEVICE, MULTI POLE	3
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	321.75
645.289	STEEL H-BEAM POLES	2145
645.52	HYBRID TRAVEL TIME SIGN: (GM I-95 MM 30.17_S)	1



- UTILITY NOTES**
1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
  2. NEW AERIAL DROP POLES SHALL BE LOCATED BY THE MAINEDOT RESIDENT IN ACCORDANCE WITH THE CURRENT VERSION OF THE UTILITY ACCOMMODATION RULES. THE LOCATION AND OFFSET OF THE PROPOSED AERIAL DROP POLES ARE INDICATED IN THE PLANS DETAILED IN THE POWER SERVICE AERIAL DROP DETAIL FOR THE CLEAR ZONE REQUIREMENTS PER THE MOST RECENT EDITION OF THE AASTHO ROADSIDE DESIGN GUIDE.



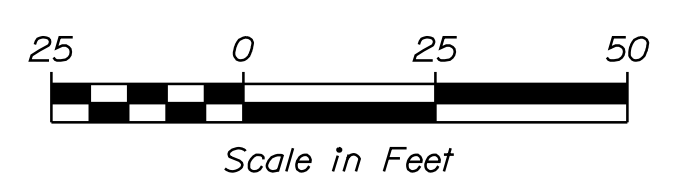
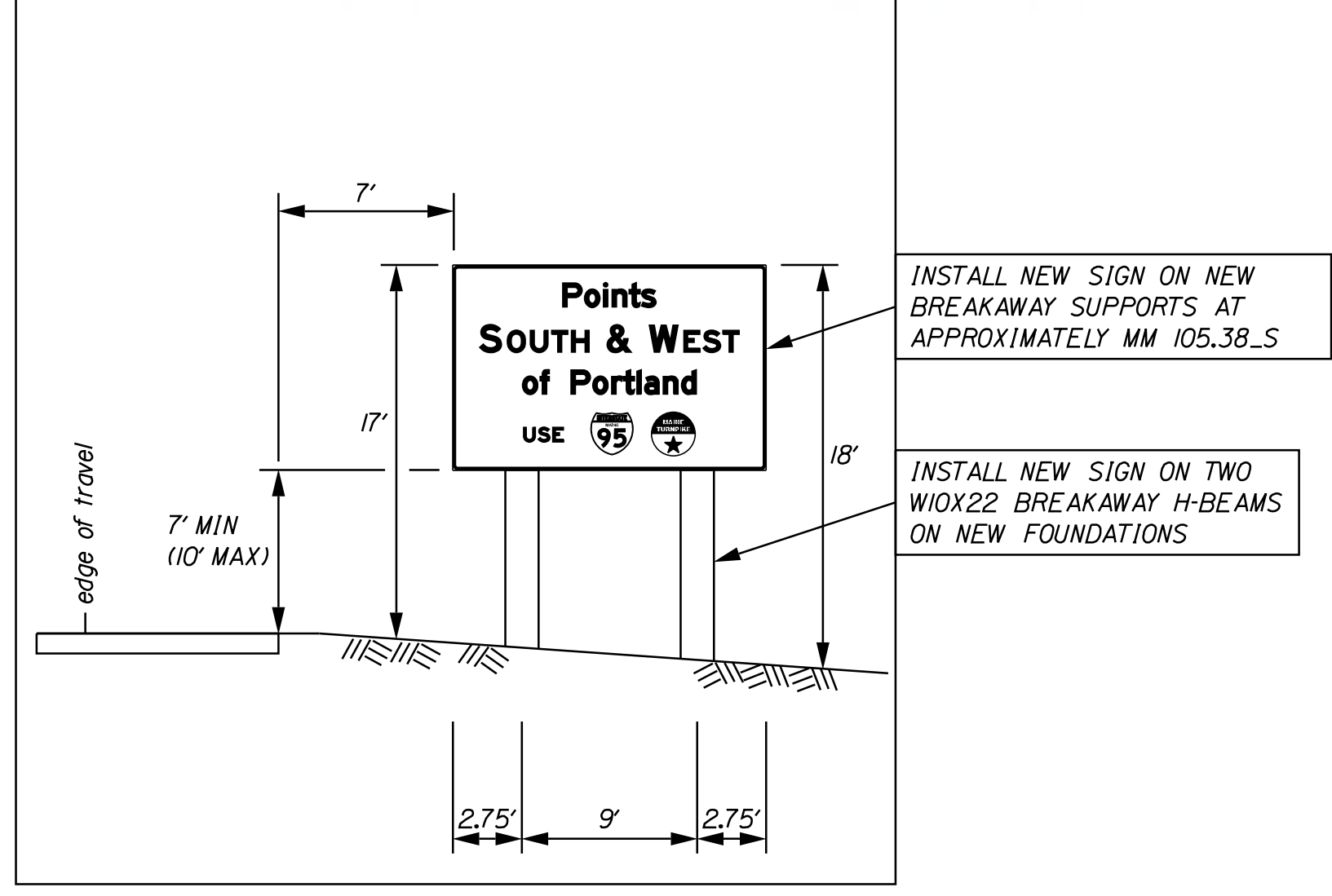
PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN-DETAILED	E. DREW	J. ROBERT	04/18
CHECKED-REVIEWED	E. DREW	M. SIEMEN	04/18
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.32	24 INCH DIAMETER FOUNDATIONS	2
645.162	BREAKAWAY DEVICE, MULTI POLE	2
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	137.75
645.289	STEEL H-BEAM POLES	770

PROPOSED GM 1-95 105.38\_S SIGN FACE



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
PROJECT NO. 2376(704)  
WIN 23767.04  
ITS PLANS



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN DETAILED	E. DREW	J. ROBERT	04/18
CHECKED/REVIEWED	E. DREW	M. SIEMEN	04/18
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ITS TRAVEL TIME SIGNS  
GM 1-95 MM 105.38\_S

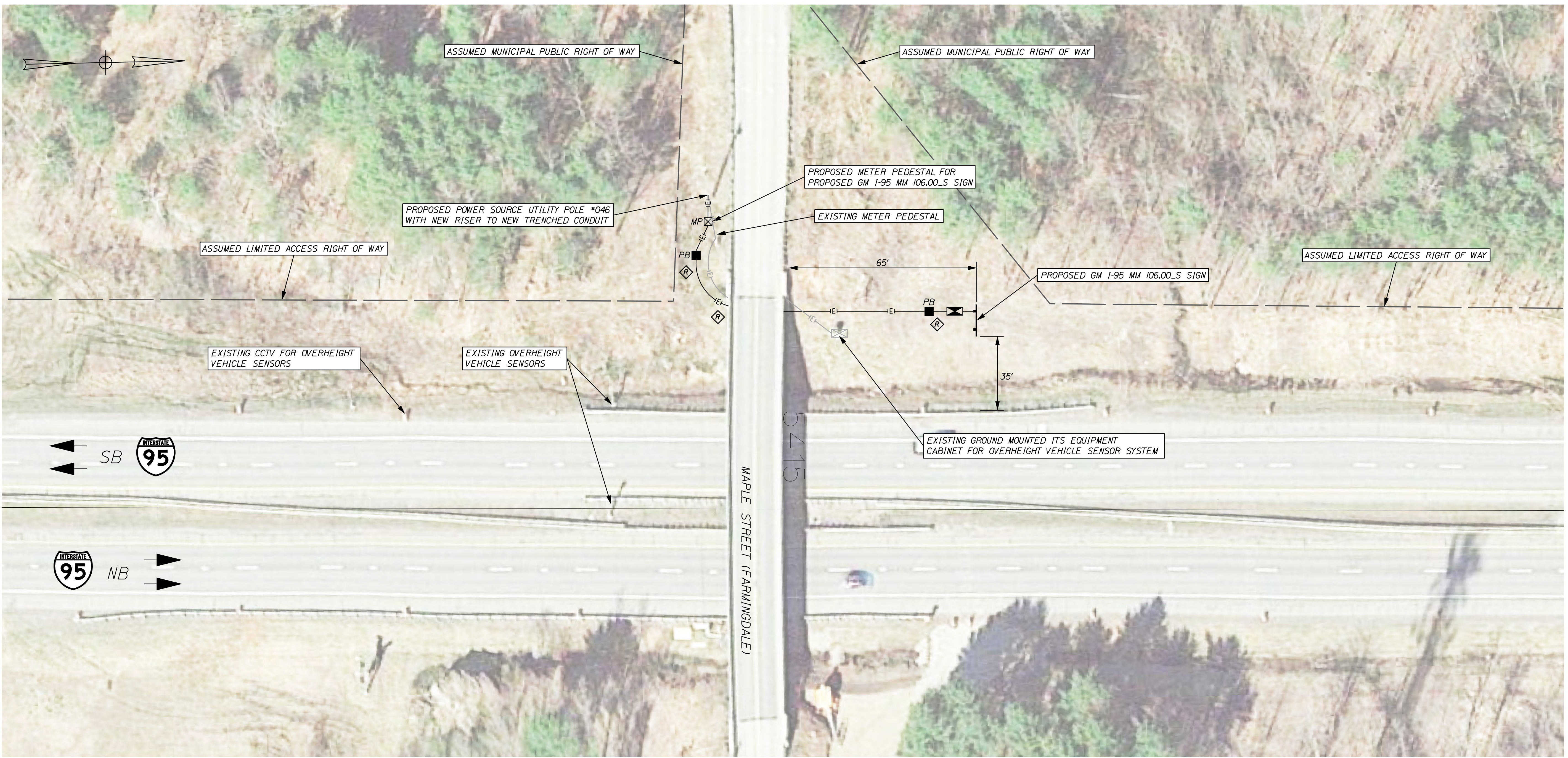
SHEET NUMBER  
**18**  
OF 19

Date: 5/16/2018

Username: jrobert

Division: HIGHWAY

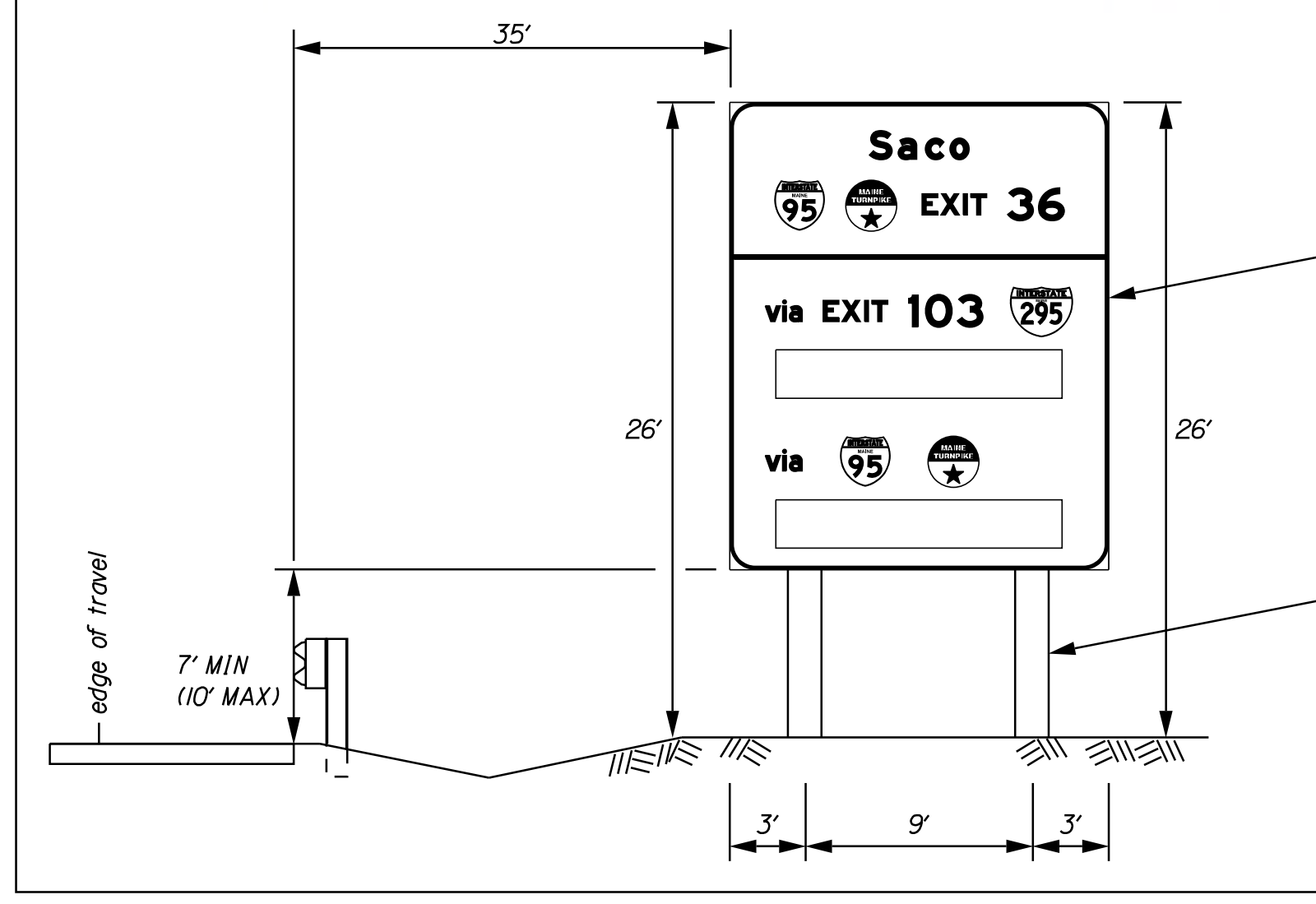
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LIST OF MAJOR ITEMS

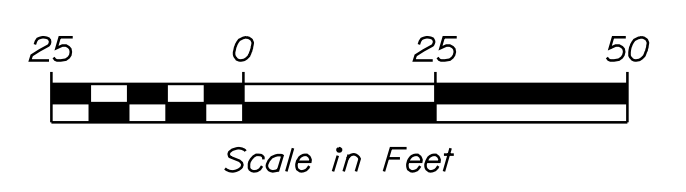
ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	2
626.21	METALLIC CONDUIT	40
626.22	NON-METALLIC CONDUIT	175
626.332	30 INCH DIAMETER, GREATER THAN 8 FEET LONG AND ALL 36 INCH AND 42 INCH FOUNDATIONS	7.4
645.251	ROADSIDE GUIDE SIGNS, TYPE 1	277.50
645.289	STEEL H-BEAM POLES	1560
645.301	DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE	3
645.52	HYBRID TRAVEL TIME SIGN: (GM I-95 MM 106.00_S)	1

PROPOSED GM I-95 MM 106.00\_S SIGN FACE



UTILITY NOTES

- INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
PROJECT NO. 2376(704)  
WIN  
23767.04  
ITS PLANS



PROJ. MANAGER	S. LANDRY	BY	DATE
DESIGN-DETAILED	E. DREW	J. ROBERT	04/18
CHECKED-REVIEWED	E. DREW	M. SIEMEN	04/18
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ITS  
TRAVEL TIME SIGNS  
GM I-95 MM 106.00\_S

SHEET NUMBER  
**19**  
OF 19