

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2024.05

CLEANING AND PAINTING STEEL STRUCTURES –
SHAKER ROAD UNDERPASS BRIDGE - MILE 64.3,
WEYMOUTH ROAD UNDERPASS BRIDGE - MILE 66.2,
BENNETT ROAD UNDERPASS BRIDGE – MILE 68.6, AND
INTERSTATE 295 SOUTHBOUND UNDERPASS BRIDGE – MILE 102.5

The bid opening date is Thursday, March 14, 2024 at 1:00 p.m.

All questions regarding Contract 2024.05 must be submitted by close of business February 21, 2024.

The following changes are made to the Specifications.

SPECIFICATIONS

- Special Provision page SP-12: Within Section 104.4.7 delete reference to MTA Contract 2024.51, Bennett Road Underpass Bridge haunch removal. The project has been completed and will not affect this Contract.
- Special Provision page SP-12: Within Section 104.4.7 modify the description of the Gray Water District project to indicate the anticipated completion date of the work is March 11, 2024.
- Special Provision page SP-80: Beneath “Maine Turnpike under the Shaker Road Underpass Bridge Traffic Control Requirements” modify the description of the water line construction project by Gray Water District to indicate the anticipated completion date of the work is March 11, 2024.
- Special Provision page SP-81: Beneath “Maine Turnpike under the Bennett Road Underpass Bridge Traffic Control Requirements” delete the first paragraph referencing the “on-going bridge haunch removal”. The project has been completed and will not affect this Contract.
- Appendix D, Temporary Signal Plan is deleted and replaced with the Temporary Signal Plan included in this Addendum. The revision to this plan provides additional construction details of the temporary traffic signal and its phasing and timing.

QUESTIONS

The following are questions asked and comments made at the pre-bid conference held on February 13, 2024 or submitted to the Maine Turnpike Authority in writing. Answers to the questions are noted. Bidders shall utilize this information in preparing their bid.

- Question 1: At the Shaker Road, Weymouth Road, and Bennett Road underpass bridges temporary lane closures are not permitted in July and August (northbound from 3 PM to 7 PM Monday through Friday and southbound 11 AM to 5 PM on Sunday). Are 24-hour lane closures permissible in other months?
Answer: No. Temporary lane closures are allowed only when work is underway.
- Question 2: Will the cleaning and painting of the I-295 Southbound Underpass Bridge also address areas of rust visible on the steel?
Answer: No. This contract will clean and paint only those areas of unpainted or bare steel related to girder splices and cross-frames as well as the areas of failed coatings on the underside of the top flanges of the two new girders. Refer to the description in the Specification and the annotated framing plan and photos in Appendix C. Comprehensive cleaning and painting of the full structure will be undertaken by a future contract.
- Question 3: Is drilling into the existing bridge concrete for the support of work staging permitted?
Answer: No tapping or drilling into the existing bridge concrete will be allowed. Refer to page SP-24.
- Question 4: Portable concrete barrier will be supplied by the Maine Turnpike Authority. Is it the Contractor's responsibility to install and return the PCB and to install temporary barrier markers?
Answer: Yes, it is the Contractor's responsibility to load the PCB at the MTA Crosby maintenance facility; transport, set, reset, and remove the PCB; and return, sort, and stack the PCB at the facility. The Contractor shall also furnish and mount retro-reflective PCB delineators. Refer to Specification section 526.01, page SP-41.
- Question 5: Will temporary traffic control require traffic officers?
Answer: Temporary traffic control on local roads will utilize flaggers. The need for State Police for temporary traffic control operations on the Turnpike will be at the discretion of the Resident. The Authority will make payment for State Police officers and vehicles directly to State Police. Refer to Specification section 652.41, page SP-72.
- Question 6: Does the Contract's two-year warranty requirement for coatings apply to the I-295 Southbound Underpass Bridge where only spot cleaning and painting will be done?
Answer: Yes, the two-year warranty requirement applies to all coatings within this Contract.
- Question 7: What is the purpose of item 619.1202 Temporary Mulch and when will it be used?

Answer: Temporary mulch is for temporary or permanent erosion control and for the restoration of roadside areas disturbed by construction activities. Refer to Special Provision Section 619.

Question 8: Page SP-65 mentions “milling and paving of interchange ramps”. Is any pavement work anticipated?

Answer: Special Provision Section 652 is meant to be applicable to a variety of Turnpike work, including paving. No pavement work is included in this Contract.

Question 9: Specification section 506.32 requires QC personnel with NACE Level I or II certification, and a QC Supervisor with NACE Level II or III certification. Can these QC positions be filled by Contractor personnel, or is QC by a third party required?

Answer: The certified QC personnel can be Contractor staff. However, air monitoring and soil evaluations must be done by an independent environmental monitoring firm.

Question 10: Are rumble strips required?

Answer: They are not required but rather a contractor traffic control option.

Question 11: How was the area or coatings computed on the I-295 Southbound Underpass Bridge for the work on the underside of the top flanges of the two new girders?

Answer: The area of required cleaning and coating on the underside of the girder top flanges was conservatively computed as a 4” wide strip extending the full length of the girder; however, the Contractor is only required to repair and feather actual areas of damage and may perform this work as spot repairs in lieu of a strip.

ATTACHMENTS

- Pre-Bid Conference Sign-In Sheet (1 page)
- Pre-Bid Conference Presentation (27 pages)

Notes: The above items shall be considered part of the bid submittal.

The total number of pages included with this addendum is 32 pages.

All bidders are requested to acknowledge the receipt of Addendum No. 1 by signing below and faxing this page to Nathaniel Carll, Purchasing Department, Maine Turnpike Authority at 207-871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 1 on Page P-9 of the bid package.

Contract 2024.05 – Addendum No. 1 - Acknowledgment of Receipt

Business Name

Print Name and Title

Signature

Date

Very truly yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

	PHASE 1	PHASE 2
MIN GREEN	10	10
EXTENSION	4	4
MAX 1	30	30
MAX 2	-	-
VEH CLEAR	4	4
RED CLEAR	16	16
WALK	-	-
PED CLEAR	-	-
FLASH	FR	FR
RECALL	OFF	OFF
DETECTOR	NL	NL
PREEMPT PRIORITY	-	-
NL = NON-LOCKING		

THE CONTRACTOR SHALL SET TIMING OF THE TEMPORARY TRAFFIC SIGNAL PER TIMING DATA PROVIDED. SIGNAL TIMING ADJUSTMENTS SHALL BE APPROVED BY THE RESIDENT AND ACCOMPLISHED AS DIRECTED BY THE RESIDENT. PAYMENT FOR ALL SIGNAL TIMING ADJUSTMENTS SHALL BE INCIDENTAL TO THE TRAFFIC SIGNAL SYSTEM.

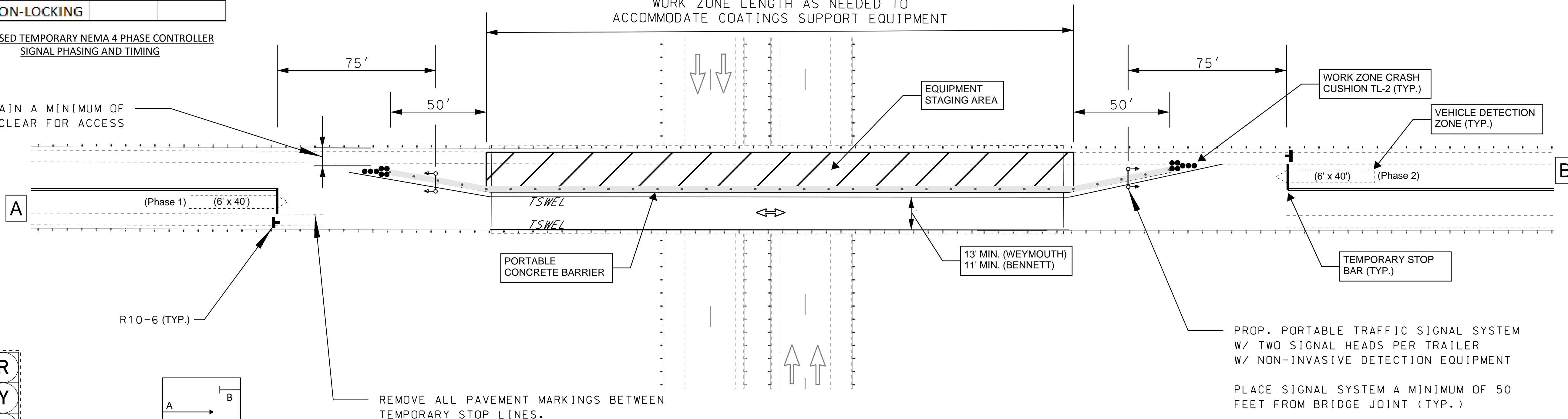


WORK ZONE LENGTH AS NEEDED TO ACCOMMODATE COATINGS SUPPORT EQUIPMENT



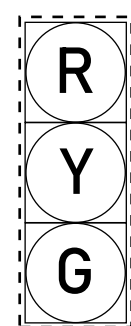
PROPOSED TEMPORARY NEMA 4 PHASE CONTROLLER SIGNAL PHASING AND TIMING

MAINTAIN A MINIMUM OF 8' CLEAR FOR ACCESS



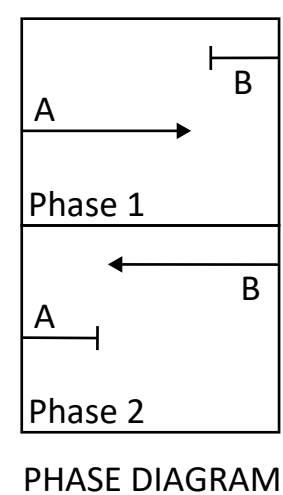
PROP. PORTABLE TRAFFIC SIGNAL SYSTEM W/ TWO SIGNAL HEADS PER TRAILER W/ NON-INVASIVE DETECTION EQUIPMENT

PLACE SIGNAL SYSTEM A MINIMUM OF 50 FEET FROM BRIDGE JOINT (TYP.)



PROPOSED INDICATIONS PHASES A1, A2 / B1, B2

NOTE: ALL INDICATIONS SHALL BE 12" LIGHT EMITTING DIODES (LEDs) WITH 5" LOUVERED BACKPLATES

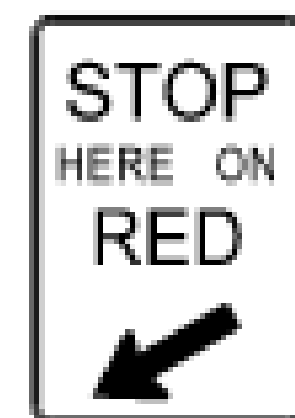


REMOVE ALL PAVEMENT MARKINGS BETWEEN TEMPORARY STOP LINES.

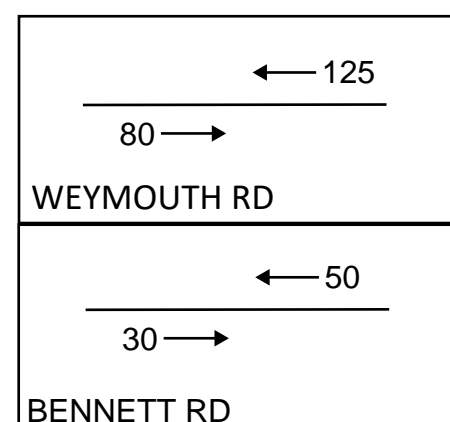
INSTALL TEMPORARY PAINT (WHITE) EDGE LINE ONE FOOT OFFSET FROM THE FACE OF THE TEMPORARY BARRIER. INSTALL TEMPORARY PAINT (WHITE) EDGE LINE SIX INCHES OFFSET FROM THE FACE OF THE BRIDGE PARAPET IN THE TRAVELWAY, JOINT TO JOINT (TYP.)

NOTES:

1. THE TEMPORARY TRAILER MOUNTED SIGNAL SYSTEM IS SHOWN AS A FEASIBLE OPTION FOR TRAFFIC CONTROL. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE METHOD FOR MAINTAINING TRAFFIC DURING BRIDGE REPAIRS. ALL COSTS FOR TEMPORARY TRAFFIC SIGNALS SHALL BE INCIDENTAL TO ITEM 652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES.
2. DETAIL SHOWN IS APPLICABLE TO BOTH WEYMOUTH ROAD AND BENNETT ROAD UNDERPASS BRIDGES.
3. CONTRACTOR MUST SUBMIT TRAFFIC CONTROL PLAN, INCLUDING PROPOSED SIGNAL TIMING, TO THE RESIDENT FOR APPROVAL.
4. THE CONTRACTOR SHALL USE PORTABLE CHANGEABLE MESSAGE SIGNS TO PROVIDE NOTICE OF THE LANE CLOSURE AND SIGNAL CONTROL AT LEAST TWO WEEKS PRIOR TO ITS START.



PROPOSED POST MOUNTED SIGNS R10-6, 24" x 36"



2024 EST. CONSTRUCTION DESIGN VOLUMES

TEMPORARY SIGNAL PLAN

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by: GPI					
Greenman-Pedersen, Inc. 21 Daniel Street Second Floor Portsmouth, NH 03801 TEL: (603) 766-8259					
CONSULTANT PROJECT MANAGER:					
Designed	By	Date	Checked	By	Date
Drawn					

Greenman-Pedersen, Inc.
21 Daniel Street
Second Floor
Portsmouth, NH 03801
TEL: (603) 766-8259

MTA PROJECT MANAGER: KRISTI VAN OUYEN, P.E.

TEMPORARY SIGNAL PLAN	
SHEET NUMBER:	
CONTRACT: 2024.05	1 OF 1

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2024.05

CLEANING AND PAINTING STEEL STRUCTURES –
SHAKER ROAD UNDERPASS BRIDGE - MILE 64.3,
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BENNETT ROAD UNDERPASS BRIDGE – MILE 68.6, AND
INTERSTATE 295 SOUTHBOUND UNDERPASS BRIDGE – MILE 102.5

February 13, 2024, 11:00 AM

Name	Company	Phone	Email
Kristi Van Ooyen	MTA		KVanOoyen@MaineTurnpike.com
Steve Tartre	MTA		STartre@MaineTurnpike.com
Nate Carll	MTA	207-482-8115	NCarll@MaineTurnpike.com
Jamie Mason	MTA	207-949-1360	JMason@MaineTurnpike.com
Tim Lemire	GPI	603-766-8252	TLemire@gpinet.com
Mike Dugas	GPI	603-374-7915	MDugas@gpinet.com
Leon Hatzipetros	Amstar of Western NY	716-204-9755	LHatzipetros@amstarwny.com

CLEANING and PAINTING STEEL STRUCTURES - Various Locations

Contract 2024.05

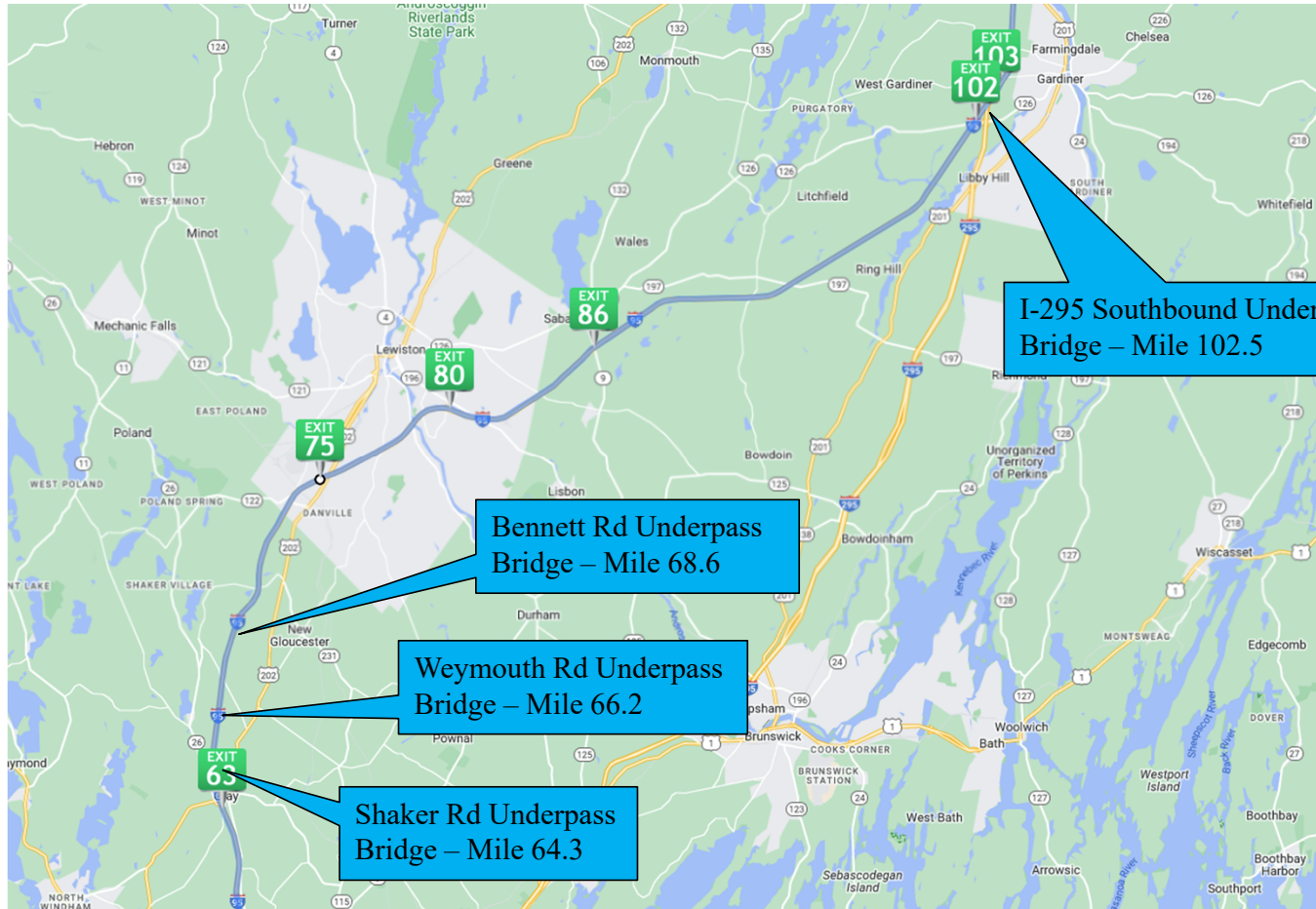
Gray - New Gloucester - West Gardiner

Pre-Bid Conference
February 13, 2024

MTA Contract 2024.05



1 - LOCATIONS



MTA Contract 2024.05



1 - LOCATIONS

- Site 1: Shaker Rd Underpass Bridge (Gray)

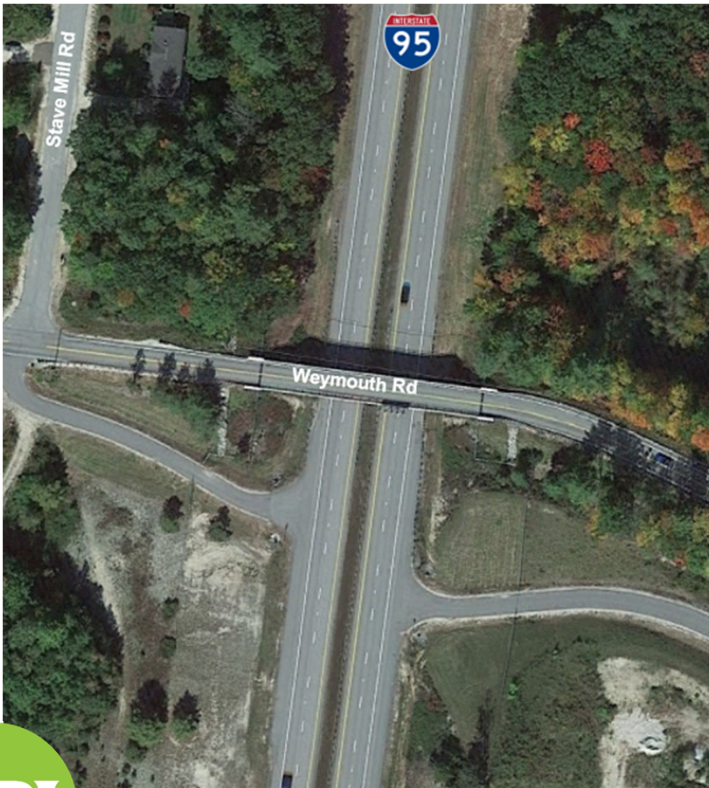


MTA Contract 2024.05



1 - LOCATIONS

- Site 2: Weymouth Rd Underpass Bridge (Gray)



MTA Contract 2024.05



1 - LOCATIONS

- Site 3: Bennett Rd Underpass Bridge (New Gloucester)

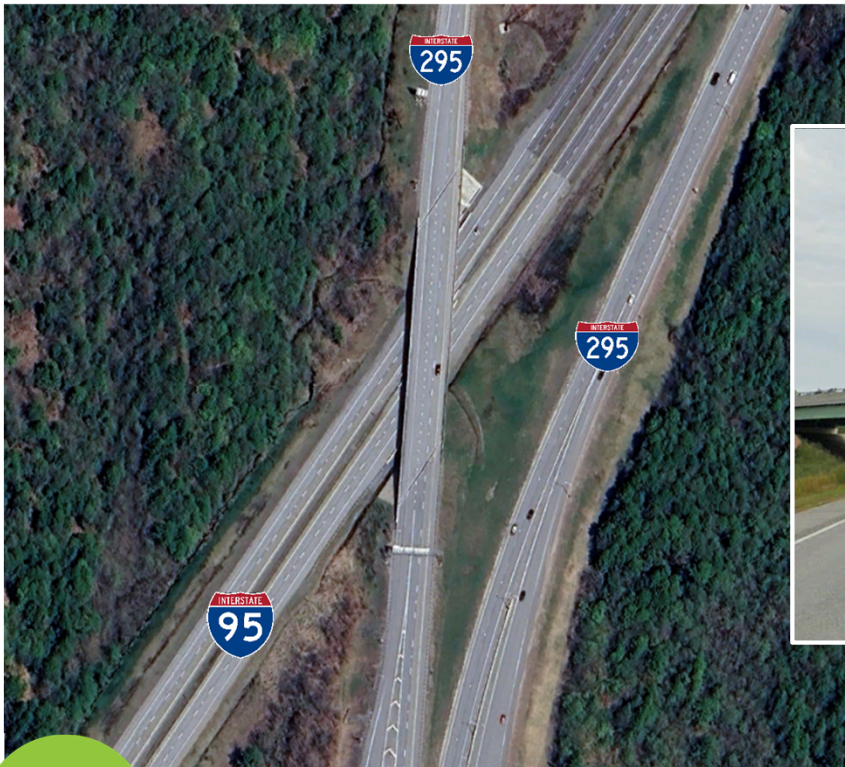


MTA Contract 2024.05



1 - LOCATIONS

- Site 4: I-295 Southbound Underpass Bridge (West Gardiner)



MTA Contract 2024.05



2 - GENERAL DESCRIPTION

Shaker Rd / Weymouth Rd / Bennett Rd

Full cleaning and painting of structural steel and metal work, and all non-galvanized bearing assemblies, with a three coat NEPCOAT paint system.

I-295 Southbound

Limited spot cleaning and painting specified areas, limited to the ***new and disturbed areas of existing structural steel***, with a multi-coat paint system.



MTA Contract 2024.05



3 - BID DETAILS

- Bid Opening: **March 14, 2024 at 1:00 PM**
- Direct **all bid & contractual questions** to
 - Nate Carll
 - 207-482-8115
 - ncarll@maineturnpike.com



MTA Contract 2024.05



6 - CONSTRUCTION SCHEDULE / SUBSTANTIAL COMPLETION

- Contract Award Date: March 28, 2024
- Substantially Complete: October 10, 2024
- Contract Completion Date: November 22, 2024



MTA Contract 2024.05



9 - COOPERATION WITH OTHER CONTRACTORS

- MTA Contracts:
 - 2023.03 - Route 122 bridge rehab (MM 74.0)
 - 2023.04 - High St Emergency Vehicle Ramps (MM 103.6)
 - 2024.04 - Exit 75 paving
 - 2024.07 - Northern bridge repair (MM 74.5)
 - 2024.51 - Bennett Rd concrete haunch removal (68.6) - **COMPLETED**

- Other Contracts:
 - **Gray Water District - Maine Turnpike crossing north of Shaker Rd**
 - **Est. completion March 11, 2024**



MTA Contract 2024.05



10 - PERMIT REQUIREMENTS

506.11 Waste Management requirements (SP - 33)

- On-site waste storage allowed at Weymouth Rd and Bennett Rd
 - Refer to Contractor's Staging Plans in Appendix D for designated locations
- No on-site waste storage at Shaker Rd or I-295 SB
 - Storage at Gray and West Gardiner maintenance facilities
- Contractor shall obtain temporary provisional generator status from MaineDEP per work location.



MTA Contract 2024.05



13 - PROSECUTION OF WORK

- All cleaning and painting shall be done from Rapid Deployment Unit (over pavement) or suspended platform
- Shaker Rd Underpass Bridge - Emergency Vehicle Ramp will not be available until Gray Water District project is completed
 - **Estimated completion: March 11, 2024**



MTA Contract 2024.05



13 - PROSECUTION OF WORK (cont.)

- Weymouth Rd Underpass Bridge - need to protect support structure for highway sign; sign face must remain visible



MTA Contract 2024.05



13 - PROSECUTION OF WORK (cont.)

- I-295 Southbound Underpass - Limited spot cleaning and painting specified areas, limited to the ***new and disturbed areas of existing structural steel***, with a multi-coat paint system.
 - Bridge widened in 2018 - two girders added to east side of bridge
 - **Splice plates and cross-frame connector plates - primer**
 - **Some bare steel on girder webs**
 - **'Disturbed Surfaces' on underside of girder top flange**

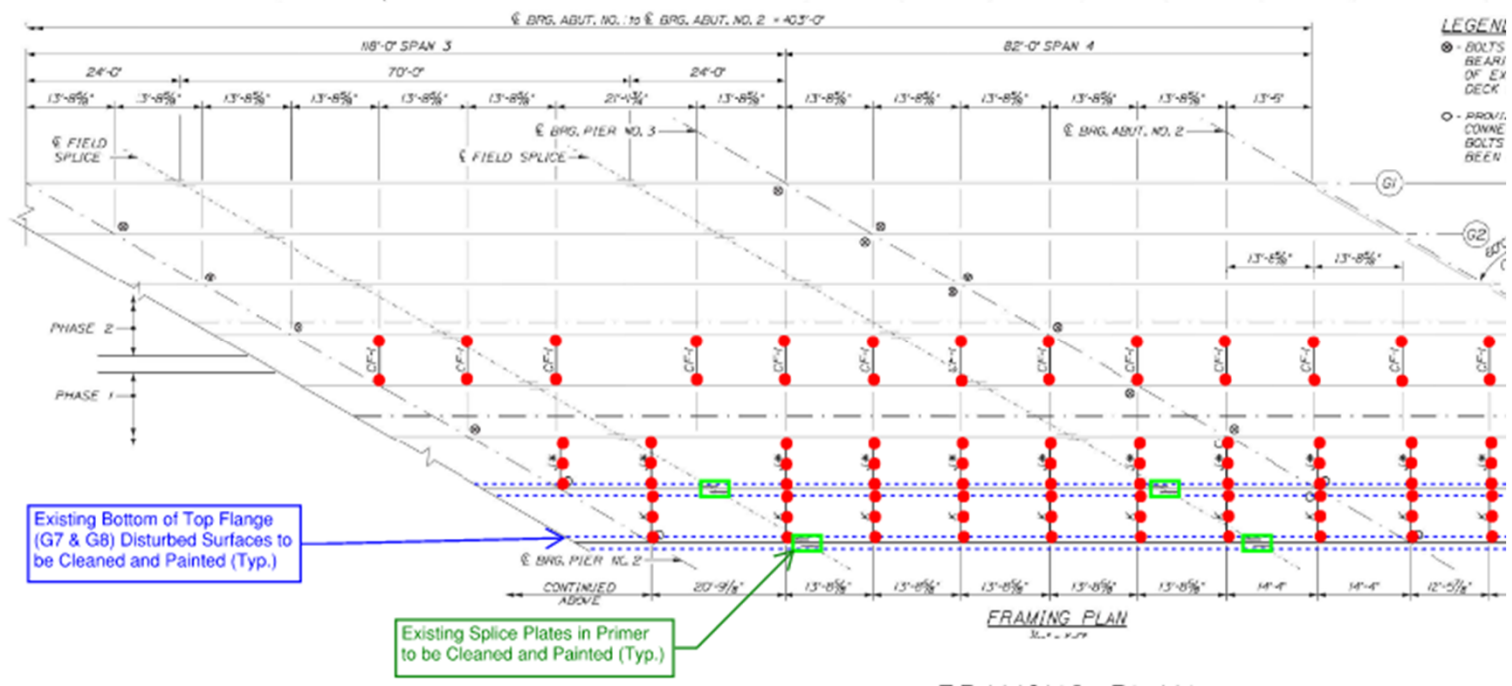


MTA Contract 2024.05



13 - PROSECUTION OF WORK (cont.)

- I-295 Southbound Underpass - Framing Plan excerpt

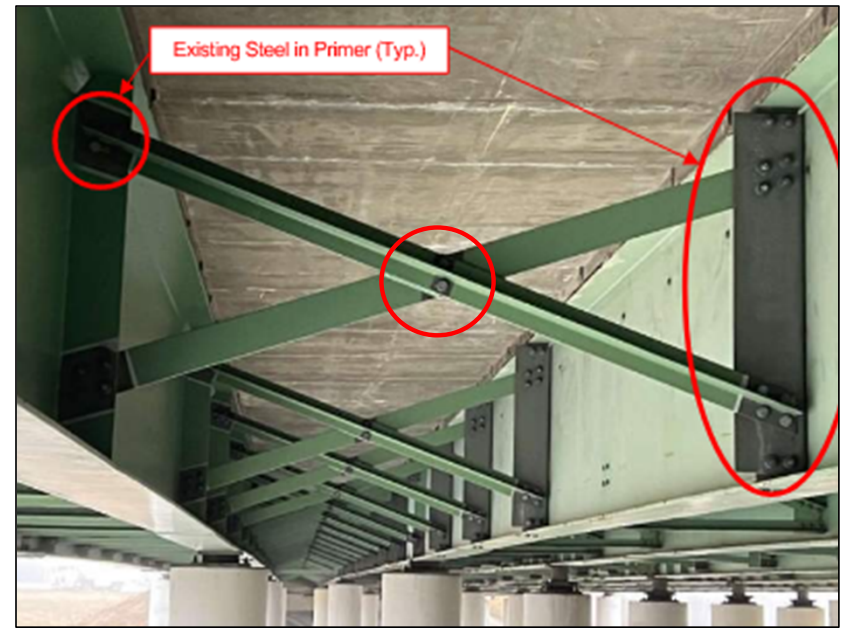
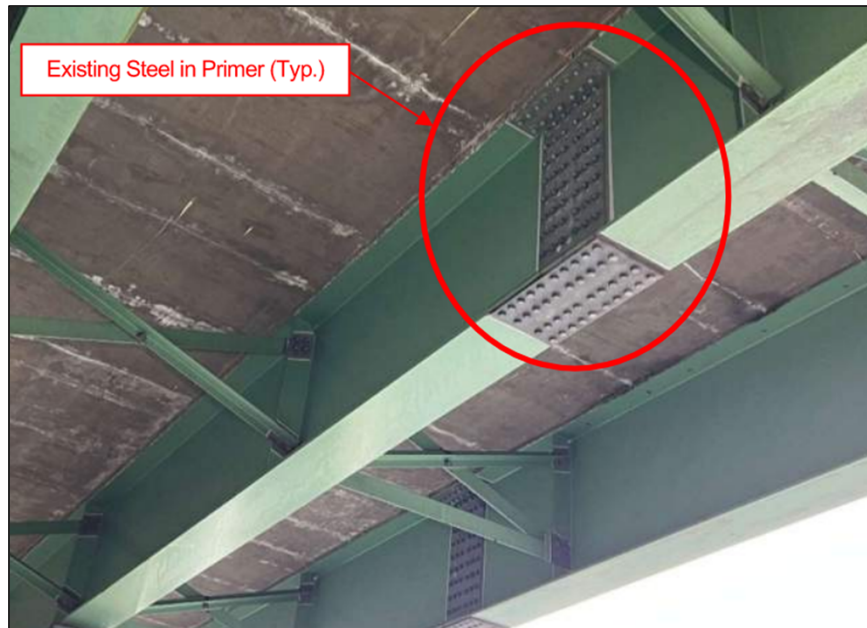


MTA Contract 2024.05



13 - PROSECUTION OF WORK (cont.)

- I-295 Southbound Underpass - Photos



MTA Contract 2024.05



13 - PROSECUTION OF WORK (cont.)

- I-295 Southbound Underpass - Photos

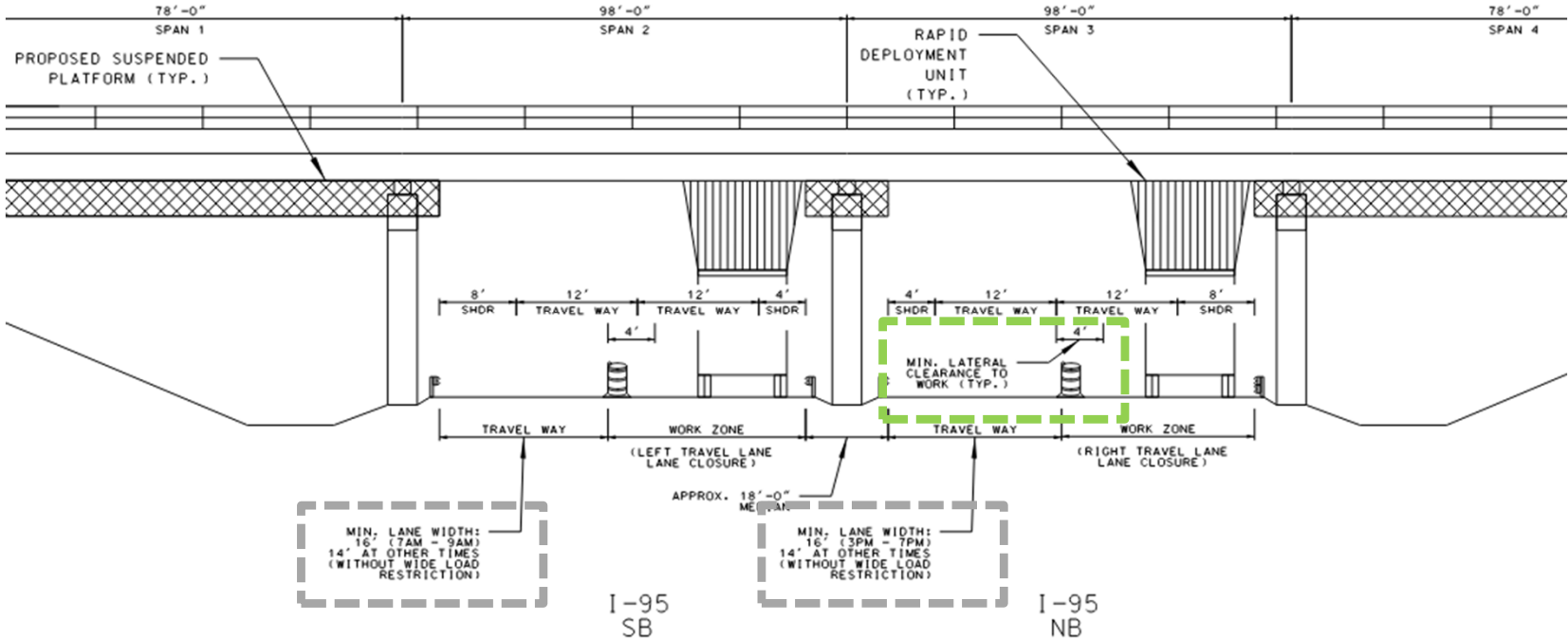


MTA Contract 2024.05



14 - LIMITS OF OPERATIONS

652 Maintenance of Traffic

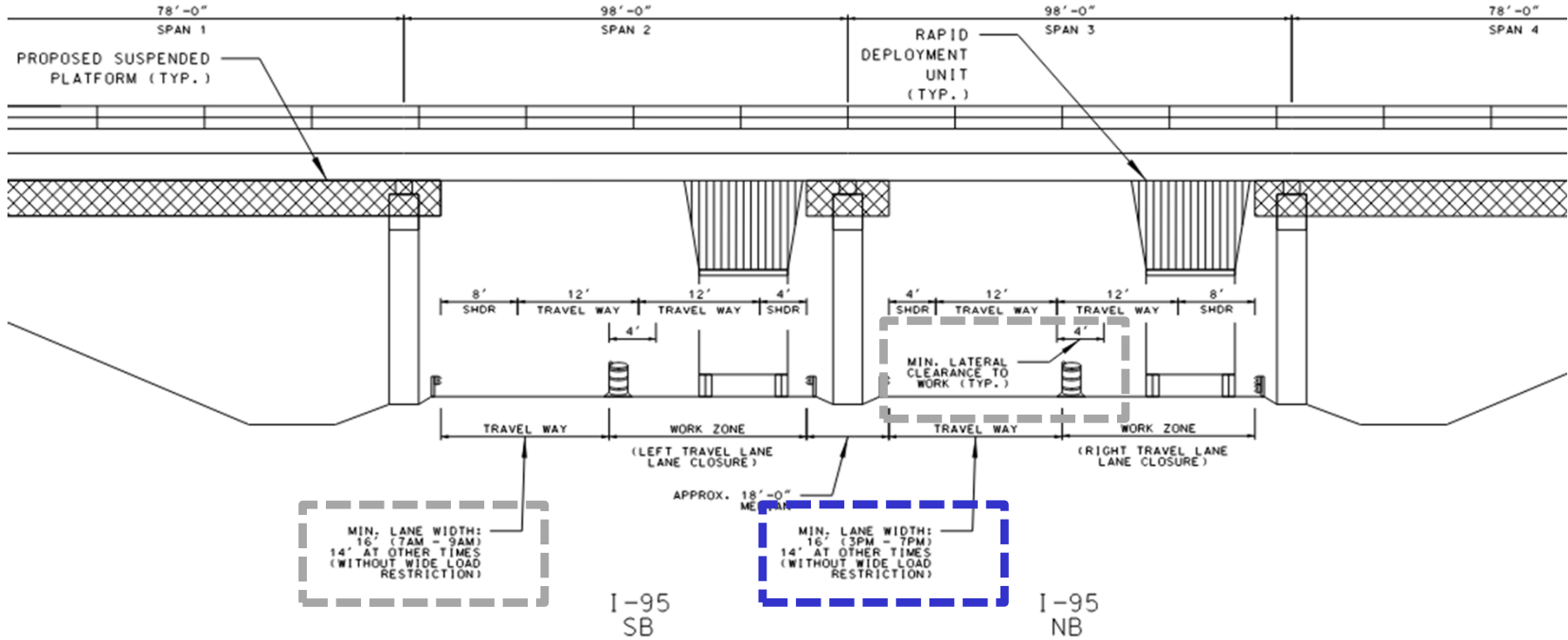


MTA Contract 2024.05



14 - LIMITS OF OPERATIONS (cont.)

652 Maintenance of Traffic

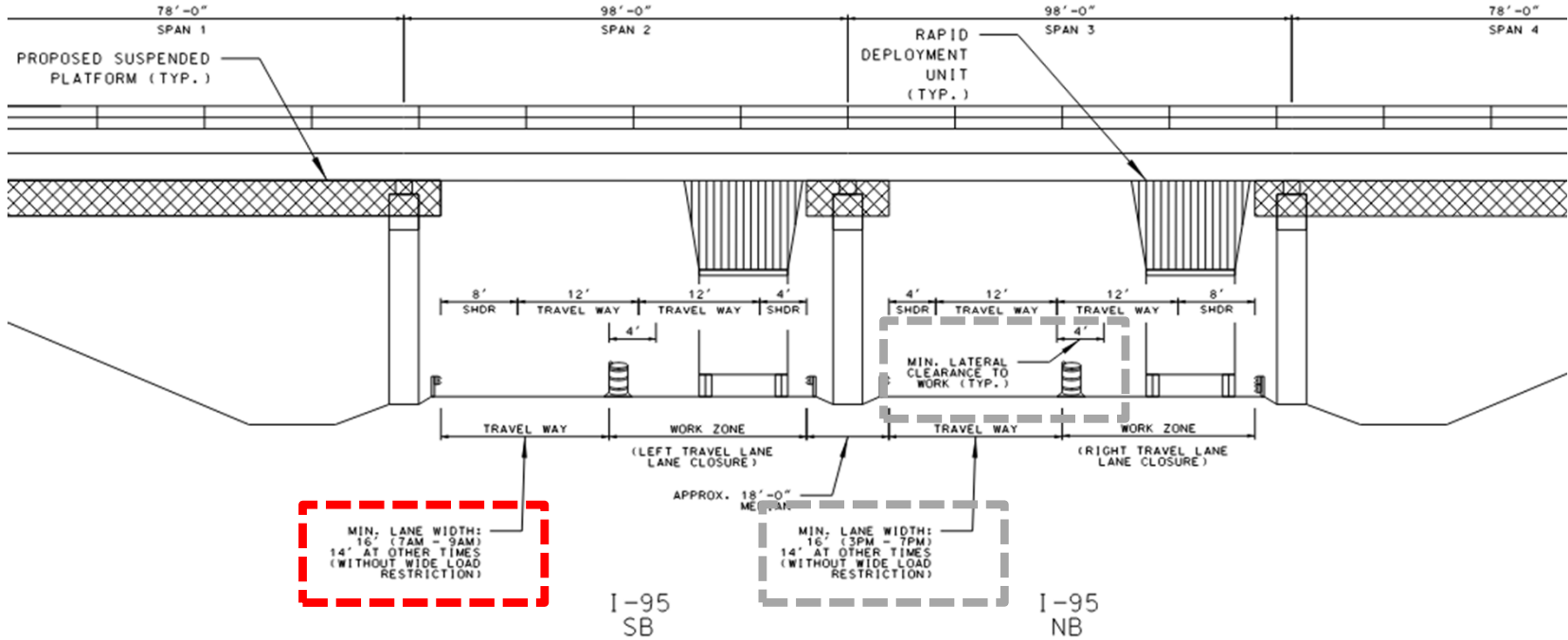


MTA Contract 2024.05



14 - LIMITS OF OPERATIONS (cont.)

652 Maintenance of Traffic



MTA Contract 2024.05



14 - LIMITS OF OPERATIONS (cont.)

Appendix B - Permitted Lane Closure Notes - Turnpike

- Shaker Rd, Weymouth Rd, Bennett Rd
 - NB - **no lane closures** 3-7 PM Mon-Fri (July and August)
 - SB - **no lane closures** 11 AM - 5 PM Sunday (July and August)
- I-295 Southbound
 - Temporary lane closure permitted on Turnpike and underpass bridge - no time restrictions
- **TMA, Automated Trailer-Mounted Speed Limit Signs, PCMS - REQUIRED**



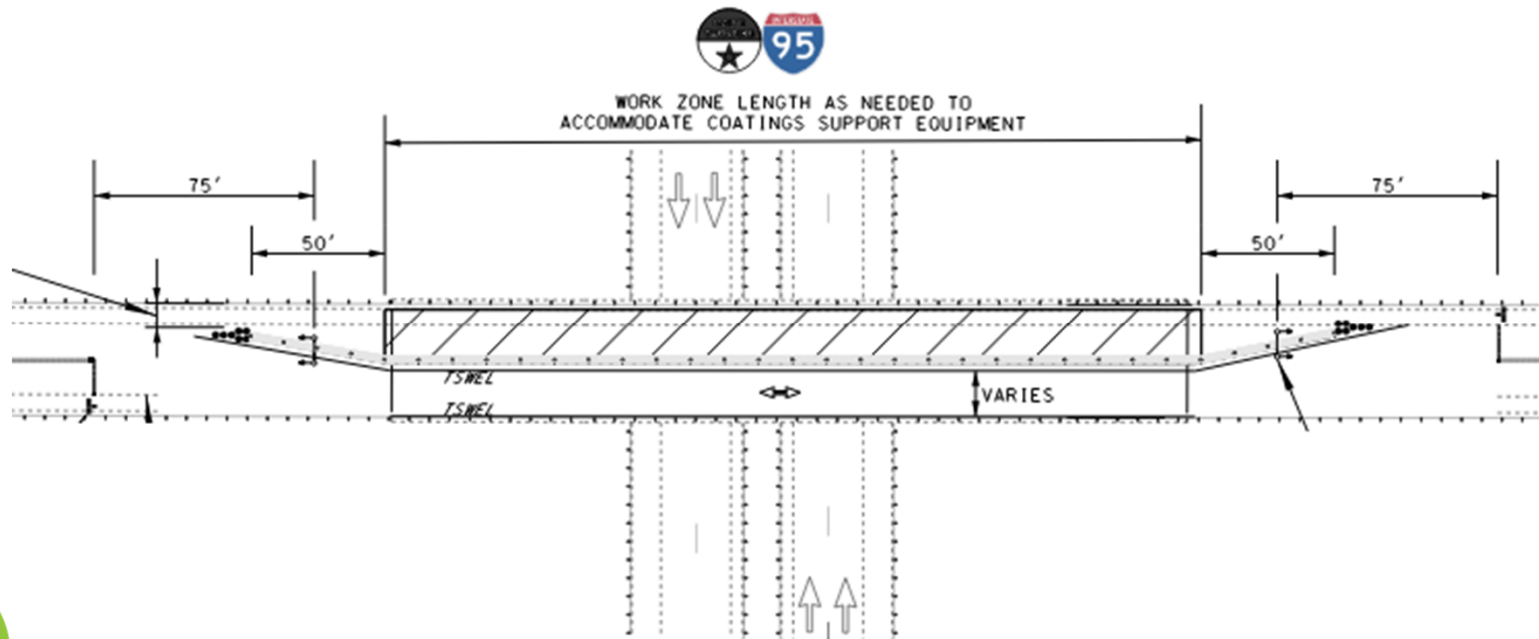
MTA Contract 2024.05



14 - LIMITS OF OPERATIONS (cont.)

Appendix D - Temporary Traffic Signals (Weymouth, Bennett)

- Submit TCP to MTA for approval
- Use PCMS for 2-week notice of lane closure



MTA Contract 2024.05



14 - LIMITS OF OPERATIONS (cont.)

General Notes

- Submit TCP for each bridge site to MTA for approval
 - 2-week notice of start of MOT
- Short-term lane closures on underpass bridges allowed
 - Shaker Rd Underpass Bridge: **No lane closures 7-9 AM or 3-5 PM**
- Emergency Vehicle Ramps must remain open at all times
- No turning in private roads or driveways



MTA Contract 2024.05





15 - MOBILIZATION

- **Item 659.10** covers all contractor equipment, access, and storage for all work locations.



MTA Contract 2024.05



19 - SPECIFIC CONTRACT ITEMS

- Item 506 - Coatings: individual pay items are provided for painting, surface prep, containment system, and waste disposal for each of the four bridge sites
- Item 652 - Maintenance of Traffic: individual lump-sum pay item is provided for each bridge site
 - Includes all items for MOT above and below underpass bridge
 - Temporary signals, TMAs, PCMS, flaggers, signs, etc.



MTA Contract 2024.05





ADDENDUM 1

1. Shaker Rd Underpass Bridge: haunch removal by Contract 2024.51 is complete
2. Gray Water District project: expected completion is March 11, 2024
3. Temporary traffic signal: details added in Appendix D
4. **All questions due February 21, 2024 by COB**



MTA Contract 2024.05



