

DECEMBER 16, 2019
REHABILITATION OF MULTIPLE BRIDGES ROUTE 2A
FEDERAL AID PROJECT NOS. 0032(199) & 0032(200)
STATE PROJECT NOS. 113-107 AND 113-108
TOWN OF PRESTON

ADDENDUM NO. 3

This Addendum addresses the following questions and answers contained on the “CT DOT QUESTIONS AND ANSWERS WEBSITE FOR ADVERTISED CONSTRUCTION PROJECTS”:

Question and Answer Nos. 6, 7 and 8.

SPECIAL PROVISION
NEW SPECIAL PROVISION

The following Special Provision is are hereby added to the Contract:

- **NOTICE TO CONTRACTOR – UTILITY GENERATED SCHEDULE**

REVISED SPECIAL PROVISIONS

The following Special Provisions are hereby deleted in their entirety and replaced with the attached like-named Special Provisions:

- **CONTRACT TIME AND LIQUIDATED DAMAGES**
- **ITEM NO. 1504010A – TEMPORARY SUPPORT OF UTILITIES**

The Bid Proposal Form and Detailed Estimate Sheets are not affected by this Addendum.

There will be no change in the number of calendar days due to this Addendum.

The foregoing is hereby made a part of the contract.

NOTICE TO CONTRACTOR – UTILITY GENERATED SCHEDULE

The attached project specific utility work schedules were provided to the Connecticut Department of Transportation (Department) by the utility companies regarding their identified work on this project.

The utility scheduling information is provided to assist the Contractor in scheduling its activities. However, the Department does not ensure its accuracy and Section 1.05.06 of the Standard Specifications still is in force.

The utility scheduling information shall be incorporated into the Contractor's pre-award schedule in accordance with the Department's Bidding and Award Manual and Section 1.05.08 of the Contract.

After award, the Contractor shall conduct a utility coordination meeting or meetings to obtain contemporaneous scheduling information from the utilities prior to submitting its baseline schedule to the Department in accordance with Section 1.05.08 of the Contract.

The Contractor shall incorporate the contemporaneous utility scheduling information into its baseline schedule submittal. The baseline schedule shall include Contractor predecessor and successor activities to the utility work in such detail as acceptable to the Engineer.

PROJECT NO. 113-107

**REHABILITATION OF
BRIDGE NO. 02931 ROUTE 2A
OVER POQUETANUCK COVE**

UTILITY WORK SCHEDULES

UTILITY WORK SCHEDULE Rev 08 02 2016	
CTDOT Project Number: 113-107	Town: NORWICH
Project Description: FORCED RELOCATE	
CTDOT Utilities Engineer:	
Phone:	Email:
Utility Company: COMCAST	
Prepared By: S WILDRICK	Date Prepared: 1/18/2019
Phone: 860-303-9403	Email: KLIN_WILDRICK@CABLE.COMCAST
Scope of Work	
<p>The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.</p>	
<p>REMOVE AND REPLACE AERIAL CABLE AND SPLICE AS NEEDED</p>	
Special Considerations and Constraints	
<p>The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..</p>	

UTILITY WORK SCHEDULE Rev 08 02 2016	
CTDOT Project Number: 113-107	Town: Preston
Project Description: Replacement of Bridge No. 02931 Route 2A over Poquetanuck Cove	
CTDOT Utilities Engineer: CME Kimery Nervais	
Phone: 860-290-4100 e1153	Email: knervais@cmeengineering.com
Utility Company: Eversource Energy	
Prepared By: Rick Arremony	Date Prepared: 12/19/2018
Phone: 860-779-4628	Email: richard.arremony@eversource.com
Scope of Work	
The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.	
<p>Relocate / remove electric OH lines to provide contractor with sufficient clearance to replace bridge # 02931 on Rt 2A, Preston. Stage 1: On</p> <p>east side of bridge, Eversource to replace pole 53 and install a temp anchor 20' west. A temp stub pole #53S with anchor 12' south will be set on south side of road opposite pole 53. A temp overhead line will be installed north of existing line. Temp pole (#2144) with anchor 12' north and anchor 25' east will be installed approximately 60' north of pole 53. A second temp pole (#2145) will be installed approximately 65' west of temp pole #2144 in line with pole 55 located on west side of bridge. Pole 55 will be replaced and a temp anchor will be installed 20'W. A temp stub pole 55S with an anchor 12' south will be installed on the south side of the road, west of customer's (house # 155) driveway, opposite pole 55. A temp overhead line will be installed between poles 53-2144-2145-55 and the existing overhead lines that run from poles 53-54-55 will be removed during construction.</p> <p>Stage 2: Once bridge construction is completed, Eversource overhead lines along the north side of road will be reinstalled between poles 53-54-55. Temp poles, associated anchors, and temp overhead lines between poles 53-2144-2145-55 will be removed.</p>	
Special Considerations and Constraints	
The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..	
<ol style="list-style-type: none"> 1. Prior to any temporary/permanent relocation work, the State and/or assigned contractor to secure all required ROW and Tree Trimming in order to proceed. 2. Eversource will schedule its construction as it's workload permits, the State and/or assigned contractor will schedule other utilities attached to the pole line (Frontier, CATV, etc... and all State or Municipal owned cables and fixtures). This UWS has been completed using only Preliminary Design Plans. No mark out of edge of road, or construction limits provided and may be subject to change. 	

UTILITY WORK SCHEDULE Rev 3/2015

CTDOT Project Number: 115-118

Utility Company: Eversource Energy

Prepared By: Rick Arremony

Total Working Days: 13

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of working days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (working days)
80+50 - 85+00	Finalize detailed design of Stage 1 - pole & anchor locations staked by Frontier & Eversource	State/CME written permit to proceed written approval of staked locations	1
80+50 - 85+00	Eversource to Relocate/Install pole and temp anchor	State/CME written approval of staked locations - CBUD markings completed	3
80+50 - 85+00	Frame poles, install guying, shift/remove overhead conductors, refeed maintenance building	Pole and anchors set	3
	Stage 2 - after completion of bridge construction		
80+50 - 85+00	Finalize detailed design of Stage 2- pole location staked by Frontier & Eversource	Contractor completed bridge work	1
80+50 - 85+00	Eversource to reinstall pole 54 (midspan pole between pole 53 and 55)	CBUD markings completed	1
80+50 - 85+00	Eversource to reinstall overhead lines between poles 53-54-55	Pole #54 set	1
80+50 - 85+00	Eversource to remove temp overhead lines poles 53-2144-2145-55	Overhead lines installed poles 53-54-55	1
80+50 - 85+00	Eversource to remove temp poles and anchors	All other temp utility and state /municiple attachments are removed	2

UTILITY WORK SCHEDULE Rev 08 02 2016			
CTDOT Project Number:	113-107	Town:	Preston
Project Description: Rehabilitation of Bridge No. 02931, Route 2A over Poquetanuck Cove			
CTDOT Utilities Engineer:		James Fallon	
Phone:	860-594-3262	Email:	james.fallon@ct.gov
Utility Company:		Eversource Gas	
Prepared By:	Sarah Bailey	Date Prepared:	4/26/2019
Phone:	860-665-2588	Email:	sarah.bailey@eversource.com
Scope of Work			
The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.			
Eversource gas will install 175 FT of 12" ST permanent main from station 82+00 to 84+00.			
-			
Eversource gas will install 75 FT of 8" ST temporay main from station 83+25 to 83+75.			
-			
Eversource gas will install 12" Mueller Fittings from station 82+00 to 84+00.			
-			
Eversource gas will pressure test and tap the Mueller fittings, energizing the permanent and temporary gas main from station 82+00 to 84+00.			
-			
Eversource gas will use the fittings to stop off and cut/purge the existing 12" ST gas main from staiton 82+00 to 84+00.			
-			
Eversource gas will install 50 FT of 12" ST permanent main across the newly construced bridge from station 83+25 to 83+75.			
-			
Eversource gas will pressure test and tap the Mueller fittings, energizing the permanent gas main across the bridge from station 83+25 to 83+75.			
-			
Eversource gas will use the fittings to stop off and cut/purge the temporary 8" ST gas main from staiton 83+25 to 83+75.			
Special Considerations and Constraints			
The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..			

UTILITY WORK SCHEDULE Rev 3/2015

CTDOT Project Number: 113-107

Utility Company: Eversource Gas

Prepared By: Sarah Bailey

Total Working Days: 15

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of working days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (working days)
82+00 to 84+00	Install 175 FT of permanent 12" steel gas main	Prior to stage construction for bridge for Phase 1	3
83+25 to 83+75	Install 75 FT of temporary 8" steel gas main	Prior to stage construction for bridge for Phase 1	3
82+00 to 84+00	Install 12" Mueller Fittings	Completion of prior step	3
82+00 to 84+00	Pressure test and tap Mueller fittings, energizing temporary and permanent main	Completion of prior step	1
82+00 to 84+00	Use fittings to stop off and cut/purge existing main	Completion of prior step	1
83+25 to 83+75	Install permanent 12" main across new bridge with additional Mueller fittings	In Phase 2 after new bridge has been constructed	2
83+25 to 83+75	Pressure test and tap Mueller fittings, energizing permanent main across bridge	Completion of prior step	1
83+25 to 83+75	Use fittings to stop off and cut/purge temporary main	Completion of prior step	1

rev. 5/20/2013		UTILITY WORK SCHEDULE	
CTDOT Project Number:	113-107	Town:	PRESTON
Project Description:	REPAIR OF BRIDGE NO. 02931, POQUETANUCK COVE, ROUTE 2		
CTDOT Utilities Engineer:	KIMERY NERVAIS		
Phone:	860.290.4100	Email:	www.cmeengineering.com
Utility Company:	FRONTIER COMMUNICATIONS		
Prepared By:	JOHN PLIKUS	Date Prepared:	5/28/2019
Phone:	860.450.2793	Email:	john.m.plikus@ftr.com
Scope of Work			
<p>The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.</p>			
<p>TEMPORARY RELOCATION(STAGE 1) Loc.2, Sta.84+78',27'N, Place 1-1in TT Anc & 1-10M DWN Guy. Loc.3, Sta.84+58',80'N, Place 1-1in TT Anc & 1-10M DWN Guy. Loc.3, Sta.84+58',80'N to Loc 5,Sta.80+95',20'N, Place 450ft of 10M Strand. Loc.5, Sta.80+95',20'N, Place 1-1in TT Anc & 1-10M DWN Guy. Loc.6, Sta.81+20',25'S, Place 1-1in TT Anc & 1-10M OH & DWN Guy.</p> <p>PERMANENT RELOCATION(STAGE 2) Loc.2, Sta.84+78',27'N, Remove 1-1in TT Anc & 1-10M DWN Guy. Loc.3, Sta.84+58',80'N, Remove 1-1in TT Anc & 1-10M DWN Guy. Loc.5, Sta.80+95',20'N, Remove 1-1in TT Anc & 1-10M DWN Guy. Loc.6, Sta.81+20',25'S, Remove 1-1in TT Anc & 1-10M OH & DWN Guy.</p>			
Special Considerations and Constraints			
<p>The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..</p>			
<ol style="list-style-type: none"> 1.Prior to any temporary/permanent relocation work CT. Dept. of Transportation to secure Temporary ROW as submitted for guying of temporary relocated poles in order to proceed. 2. Frontier Communications will schedule its construction as it's workload permits, the DOT will schedule other utilities attached to the pole line (Power Co., CATV, etc... and all State or Municipal owned cables and fixtures). This UWS has been completed using only Semi-Final Design Plans. 3.Mark out of EOR, ROW and Construction Easements will be required for Pole Placement. No Cables will be placed/shifted without a written CT DOT email and/or letter stating that all Pole locations have approved and verified by the CT DOT. 			

UTILITY WORK SCHEDULE

CTDOT Project Number: CTDOT # 113-107 TEM

Utility Company: Frontier Communications

Prepared By: John Plikus

Total Calendar Days: 7.5

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of calendar days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (calendar days)
Sta.84+78',27'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.84+58',80'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.80+95',20'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.81+20',25'S	Place 1-1in TT Anc & 1-10M OH & DWN Guy.	Pole placement & Other Utilities work complete. Right of Way, provided by the CT-	0.5
+58',80'N to Sta.80+95'	Place 450ft of 10M Strand, Move Fiber Slack from 2200ft and Shift to Temp. Location.	Pole placement & Other Utilities work complete.	3
PERMANENT RELOC.			
Sta.84+78',27'N	Remove 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.84+58',80'N	Remove 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.80+95',20'N	Remove 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.81+20',25'S	Remove 1-1in TT Anc & 1-10M OH & DWN Guy.	Pole placement & Other Utilities work complete.	0.5
+58',80'N to Sta.80+95'	Shift Fiber to Permanent Location and Restore Fiber Slack in Aerial Racks.	Pole placement & Other Utilities work complete.	2

PROJECT NO. 113-108

**REHABILITATION OF BRIDGE
NO. 02932 ROUTE 2A OVER
DICKERMANS (HALSEY) BROOK**

UTILITY WORK SCHEDULES

UTILITY WORK SCHEDULE Rev 08 02 2016	
CTDOT Project Number: 113-108	Town: NORWICH
Project Description: FORCED RELOCATE	
CTDOT Utilities Engineer:	
Phone:	Email:
Utility Company: COMCAST	
Prepared By: S WILDRICK	Date Prepared: 1/18/2019
Phone: 860-303-9403	Email: KLIN_WILDRICK@CABLE.COMCAST
Scope of Work	
<p>The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.</p>	
<p>REMOVE AND REPLACE AERIAL CABLE AND SPLICE AS NEEDED</p>	
Special Considerations and Constraints	
<p>The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..</p>	

UTILITY WORK SCHEDULE Rev 3/2015

CTDOT Project Number: DOT 113-108

Utility Company: COMCAST

Prepared By: S WILDRICK

Total Working Days: 8

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of working days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (working days)
	REMOVE AND RELOCATE CABLE LINES TO NEW POLELINE AND SPLICE AS NEEDED	AFTER POWER RELOCATES WE CAN GO IN	8

UTILITY WORK SCHEDULE Rev 3/2015

CTDOT Project Number: 113-108

Utility Company: COMCAST

Prepared By: S WILDRICK

Total Working Days: 8

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of working days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (working days)
	REMOVE AND REPLACE CABLE SPLICE AS NEEDED WITH SIDE LEG	POWER MUST MOVE FIRST	8

UTILITY WORK SCHEDULE Rev 08 02 2016			
CTDOT Project Number:	113-108	Town:	Preston
Project Description: Replacement of Bridge No. 02931 Route 2A over Halsey Brook			
CTDOT Utilities Engineer: CME Kimery Nervais			
Phone:	860-290-4100 e1153	Email:	knervais@cmeengineering.com
Utility Company: Eversource Energy			
Prepared By:	Rick Arremony	Date Prepared:	5/1/2010
Phone:	860-779-4628	Email:	richard.arremony@eversource.com
Scope of Work			
The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.			
<p>Relocate / remove electric OH lines to provide contractor with sufficient clearance to replace bridge # 02932 on Rt 2A, Preston. Stage 1: On</p> <p>North side of bridge, Frontier to relocate pole 1039 and install additional anchor at pole 2194. The existing overhead lines that span from poles 1040-1039-2194 and 887-1039 will be shifted to relocated pole 1039.</p> <p>Stage 2: Once bridge construction is completed, Frontier will relocate pole 1039 and install anchor. Overhead lines that span from poles 1040-1039-2194 and 887-1039 will be shifted to relocated pole 1039. All overhead facilities to be within State taken line.</p>			
Special Considerations and Constraints			
The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..			
<ol style="list-style-type: none"> 1. Prior to any temporary/permanent relocation work, the State and/or assigned contractor to secure all required ROW and Tree Trimming in order to proceed. 2. Eversource will schedule its construction as it's workload permits, the State and/or assigned contractor will schedule other utilities attached to the pole line (Frontier, CATV, etc... and all State or Municipal owned cables and fixtures). This UWS has been completed using only Preliminary Design Plans. No mark out of edge of road, or construction limits provided and may be subject to change. 			

UTILITY WORK SCHEDULE Rev 3/2015

CTDOT Project Number: 115-108

Utility Company: Eversource Energy

Prepared By: Rick Arremony

Total Working Days: 4

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of working days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (working days)
59+00 - 63+00	Finalize detailed design of Stage 1 - pole 1039 location confirmed by Frontier & Eversource	State/CME written permit to proceed - State surveyors stake location of p1039	1
59+00 - 63+00	Poles 1039, 2194, & 887 -Frame poles, install guying, shift/remove overhead conductors	Frontier sets pole 1039 and installs anchor at pole 2194	1
	Stage 2 - after completion of bridge construction		
59+00 - 63+00	Finalize detailed design of Stage 1 - pole 1039 location confirmed by Frontier & Eversource	State/CME written permit to proceed - State surveyors stake location of p1039	1
59+00 - 63+00	Pole 1039 -Frame pole, install guying, shift/remove overhead conductors	Frontier sets pole 1039 and associated anchor	1

UTILITY WORK SCHEDULE Rev 08 02 2016			
CTDOT Project Number:	113-108	Town:	Preston
Project Description: Rehabilitation of Bridge No. 02932, Route 2A over Dickermans Brooke			
CTDOT Utilities Engineer:		James Fallon	
Phone:	860-594-3262	Email:	james.fallon@ct.gov
Utility Company:		Eversource Gas	
Prepared By:	Sarah Bailey	Date Prepared:	4/26/2019
Phone:	860-665-2588	Email:	sarah.bailey@eversource.com
Scope of Work			
<p>The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.</p>			
<p>Eversource gas will install 350 FT of 12" ST permanent main from station 61+25 to 65+00.</p> <p>-</p> <p>Eversource gas will install 100 FT of 8" ST temporary main from station 61+25 to 61+75.</p> <p>-</p> <p>Eversource gas will install 12" Mueller Fittings from station 61+25 to 65+00. -</p> <p>Eversource gas will pressure test and tap the Mueller fittings, energizing the permanent and temporary gas main from station 61+25 to 65+00.</p> <p>-</p> <p>Eversource gas will use the fittings to stop off and cut/purge the existing 12" ST gas main from station 61+25 to 65+00 .</p> <p>-</p> <p>Eversource gas will install 80 FT of 12" ST permanent main across the newly constructed bridge from station 61+25 to 61+75.</p> <p>-</p> <p>Eversource gas will pressure test and tap the Mueller fittings, energizing the permanent gas main across the bridge from station 61+25 to 61+75.</p> <p>-</p> <p>Eversource gas will use the fittings to stop off and cut/purge the temporary 8" ST gas main from station 61+25 to 61+75.</p>			
Special Considerations and Constraints			
<p>The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..</p>			

UTILITY WORK SCHEDULE Rev 3/2015

CTDOT Project Number: 113-108

Utility Company: Eversource Gas

Prepared By: Sarah Bailey

Total Working Days: 18

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of working days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (working days)
61+25 to 65+00	Install 350 FT of permanent 12" steel gas main	Prior to stage construction for bridge for Phase 1	6
61+25 to 61+75	Install 100 FT of temporary 8" steel gas main	Prior to stage construction for bridge for Phase 1	3
61+25 to 65+00	Install 12" Mueller Fittings	Completion of prior step	3
61+25 to 65+00	Pressure test and tap Mueller fittings, energizing temporary and permanent main	Completion of prior step	1
61+25 to 65+00	Use fittings to stop off and cut/purge existing main	Completion of prior step	1
61+25 to 61+75	Install permanent 12" main across new bridge with additional Mueller fittings	In Phase 2 after new bridge has been constructed	2
61+25 to 61+75	Pressure test and tap Mueller fittings, energizing permanent main across bridge	Completion of prior step	1
61+25 to 61+75	Use fittings to stop off and cut/purge temporary main	Completion of prior step	1

UTILITY WORK SCHEDULE Rev 3/2015

CTDOT Project Number: 113-108

Utility Company: Eversource Gas

Prepared By: Sarah Bailey

Total Working Days: 0

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of working days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (working days)

rev. 5/20/2013		UTILITY WORK SCHEDULE	
CTDOT Project Number:	113-108	Town:	PRESTON
Project Description:	REPAIR OF BRIDGE NO. 02932, HALSEY BROOK, ROUTE 2		
CTDOT Utilities Engineer:	KIMERY NERVAIS		
Phone:	860.290.4100	Email:	www.cmeengineering.com
Utility Company:	FRONTIER COMMUNICATIONS		
Prepared By:	JOHN PLIKUS	Date Prepared:	5/28/2019
Phone:	860.450.2793	Email:	john.m.plikus@ftr.com
Scope of Work			
<p>The following is a description of all utility work planned to be completed in conjunction with the CTDOT project. The narrative describes all work to be carried out by the utility or its contractor, including temporary and permanent work required by the project as well as any additional utility infrastructure work the utility intends on performing within the project limits during the construction of the project.</p>			
<p>TEMPORARY RELOCATION(STAGE 1) Loc.2,Pole 1039 New Loc Sta.60+50',27'N, Place 1-45FT Class 2 Pole. Loc.3,Pole 1039 Old Loc Sta.61+20',24'N, RMV 1-45FT Class 2 Pole,1in TT ANC & 10M DWN Guy .</p> <p>PERMANENT RELOCATION(STAGE 2) Loc.2, Sta.84+78',27'N, Remove 1-1in TT Anc & 1-10M DWN Guy. Loc.3, Sta.84+58',80'N, Remove 1-1in TT Anc & 1-10M DWN Guy. Loc.3, Sta.84+58',80'N to Loc 5,Sta.80+95',20'N, Remove 450ft of 10M Strand. Loc.5, Sta.80+95',20'N, Remove 1-1in TT Anc & 1-10M DWN Guy. Loc.6, Sta.81+20',25'S, Remove 1-1in TT Anc & 1-10M OH & DWN Guy.</p>			
Special Considerations and Constraints			
<p>The following describes the limiting factors that must be planned for in the scheduling and performance of the utility work. For example, restrictions on cut-overs, outages, limitations on customer service interruptions (e.g. nights, weekends, holidays), seasonal and environmental shutdown periods, long lead material procurements, etc..</p>			
<p>1.Prior to any temporary/permanent relocation work CT. Dept. of Transportation to secure ROW as submitted for guying of temporary relocated poles #873 & 875 in order to proceed. 2. Frontier Communications will schedule its construction as it's workload permits, the DOT will schedule other utilities attached to the pole line (Power Co., CATV, etc... and all State or Municipal owned cables and fixtures). This UWS has been completed using only Preliminary Design Plans. No mark out of edge of road, or construction limits provided and may be subject to change.</p>			

UTILITY WORK SCHEDULE

CTDOT Project Number: **CTDOT # 113-108 TEM**

Utility Company: **Frontier Communications**

Prepared By: **John Plikus**

Total Calendar Days: **7.5**

Schedule

The following schedule identifies each major activity of utility work in sequential order to be performed by the utility or its contractor. The location of each activity of work is identified by the baseline stationing on the CTDOT plans. All activities identify the predecessor activity which must be completed before a utility work activity may progress. The duration provided is the number of calendar days required to complete the utility work activity based on historical information and production rates.

Location (Station to Station)	Description of Utility Work Activity	Predecessor Activity	Duration (calendar days)
Sta.84+78',27'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.84+58',80'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.80+95',20'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.81+20',25'S	Place 1-1in TT Anc & 1-10M OH & DWN Guy.	Pole placement & Other Utilities work complete. Right of Way, provided by the CT-	0.5
+58',80'N to Sta.80+95'	Place 450ft of 10M Strand, Move Fiber Slack from 2200ft and Shift to Temp. Location.	Pole placement & Other Utilities work complete.	3
PERMANENT RELOC.			
Sta.84+78',27'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.84+58',80'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.80+95',20'N	Place 1-1in TT Anc & 1-10M DWN Guy.	Pole placement & Other Utilities work complete.	0.25
Sta.81+20',25'S	Place 1-1in TT Anc & 1-10M OH & DWN Guy.	Pole placement & Other Utilities work complete.	0.5
+58',80'N to Sta.80+95'	Place 350ft of 10M Strand, Move Fiber to Permanent Location and Restore Fiber Slack in Aerial Racks.	Pole placement & Other Utilities work complete.	2

August 21, 2019
FEDERAL AID PROJECT NOS. 0032(199) and 0032(200)
STATE PROJECT NOS. 0113-107 and 0113-108

REHABILITATION OF MULTIPLE BRIDGES ROUTE 2A

Town of Preston
Federal Aid Project Nos. 0032(199) and 0032(200)

The State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 817, 2016, as revised by the Supplemental Specifications dated July 2018 (otherwise referred to collectively as "ConnDOT Form 817") is hereby made part of this contract, as modified by the Special Provisions contained herein. Form 817 is available at the following DOT website link <http://www.ct.gov/dot/cwp/view.asp?a=3609&q=430362>. The current edition of the State of Connecticut Department of Transportation's "Construction Contract Bidding and Award Manual" ("Manual"), is hereby made part of this contract. If the provisions of this Manual conflict with provisions of other Department documents (not including statutes or regulations), the provisions of the Manual will govern. The Manual is available at the following DOT website link <http://www.ct.gov/dot/cwp/view.asp?a=2288&q=259258>. The Special Provisions relate in particular to the Rehabilitation of Multiple Bridges Route 2A in the Town of Preston.

COMBINED PROJECTS

There will be but one Contract for Federal Aid Project No. 0032(199) (State Project No. 0113-107) and Federal Aid Project No. 0032(200) (State Project No. 0113-108). The two projects will be considered as a single contract in all respects.

CONTRACT TIME AND LIQUIDATED DAMAGES

In order to minimize the hazard, cost and inconvenience to the traveling public, pollution of the environment and the detriment to the commercial and residential area, it is necessary to limit the time of construction work which interferes with traffic as specified in Article 1.08.04 of the Special Provisions.

There will be three assessments for liquidated damages, and they will be addressed in the following manner:

1. **Calendar Days:** Two Hundred Ninety-Seven (297) calendar days will be allowed for the completion of the work on this Contract and the liquidated damages charge to apply will be One Thousand Five Hundred Dollars (\$1,500.00) per calendar day.

2. **Completion of Temporary Gas Main Support Work:** For this contract, an assessment per day, for liquidated damages shall be applied each day, or portion of a day, after March 29, 2020 for which the Contractor fails to complete the work required for the installation of the temporary gas main supports as approved by the District. See also “Notice to Contractor – Award and Execution of Contract.” This work includes the temporary gas main supports, corresponding sedimentation and erosion control measures, and corresponding maintenance and protection of traffic measures. For the purposes of this specification, a Day is defined as the 24-hour period beginning at 12:00 a.m. (midnight) and ending at 11:59 p.m.

The Liquidated Damages Amount to apply will be Five Thousand Dollars (\$5,000.00) per day. The aggregate amount of liquidated damages shall not exceed One Hundred Forty Thousand Dollars (\$140,000).

3. **Reestablishment of Two-Way Traffic:** For this contract, an assessment per day, for liquidated damages shall be applied each day, or portion of a day, after November 30th, 2020 for which the Contractor fails to open the roadway across the bridges to two lanes of traffic. For the purposes of this specification, a Day is defined as the 24-hour period beginning at 12:00 a.m. (midnight) and ending at 11:59 p.m.

The Liquidated Damages Amount to apply will be Twenty-Five Thousand Dollars (\$25,000.00) per day. The aggregate amount of liquidated damages shall not exceed Seven Hundred Thousand Dollars (\$700,000).

ITEM #1504010A –TEMPORARY SUPPORT OF UTILITIES

Description: Work under this item shall consist of furnishing, and placing temporary supports and protection measures in accordance with the details shown in the contract plans. The temporary supports are necessary to support the temporary gas main during construction. The temporary gas line supported on the south side of Bridge Nos. 02931 and 02932 will remain in service until the new gas line is installed and is in service. Work performed by the Contractor under this Item will include fabrication, furnishing, installing and removal of temporary supports and protection measures to allow the temporary gas main to remain in place during construction. After the completion of the superstructure replacement of the south side of the above bridges including the wingwall modification, temporary supports and protection measures shall be removed by the Contractor and suitably disposed of offsite and the abandoned gas main will be grouted solid. The temporary supports will be replaced by permanent supports. There shall be a break in the footing at permanent pipe locations. The permanent roller supports for the new gas main shall be furnished by Eversource. The permanent supports are not included under this item. All work associated with the installation and removal of temporary supports, to support the new gas main as well as any work in the proximity of the existing gas main shall be performed in the presence of a representative from the Gas Company (Eversource).

The Contractor is advised that no service interruption to the facility resulting from the Contractor's operations will be allowed, except as otherwise approved by the utility. Extreme caution shall be exercised during all stages of construction in order to preserve the existing utilities. Further attention shall be paid to "Section 1.07 – Legal Relations and Responsibilities".

The Contractor shall notify the Engineer prior to the start of his work and shall be responsible for all coordination with the utility. The Contractor shall allow the Engineer complete access to the work.

The Contractor is cautioned that it is his responsibility to verify locations, conditions and field dimensions of all existing features, as actual conditions may differ from information indicated on the plans or contained elsewhere in these specifications.

Materials: The materials for this work shall conform to the requirements of the 817 and special provisions herein and the general notes included in the contract plans and be of satisfactory quality for the purpose intended and shall be approved by the Engineer. The material shall be intended for use in structures and shall be sound and capable of safely carrying the design loads. Grout used for abandoned gas main shall be per M.03.05.

Construction Methods: The Contractor shall prepare and submit shop drawings of the Temporary Support System for the Engineer's review and approval. The shop drawings will be prepared and submitted in accordance with the requirements of Section 1.05.02. An optional splice can be used for the temporary gas main support beam. The details for the designed splice are included as part of this specification.

The Contractor shall also submit an erection method to demonstrate his method for installing the temporary support system. This includes the pin pile supports for the Engineer's review. The Contractor may choose to propose an alternate scheme than that shown in the plans, to support the gas main temporarily. In that case, the Contractor shall submit working drawings and supporting calculations showing his proposed design of temporary supports for the Engineer's review. The working drawings shall include all connection details, member sizes etc. and the erection method of the temporary supports required to construct the temporary support system. The working drawings shall be stamped by a Professional Engineer registered in the State of Connecticut. The working drawings will be prepared and submitted in accordance with the requirements of Section 1.05.02.

The Contractor shall obtain necessary field measurements and verify existing conditions prior to fabrication and submit the field measurements with the shop and working drawings for the Engineer's review and information.

No work will be allowed in the vicinity of the gas main until the Contractor receives approval of his erection method from the Engineer and the Gas Company. The Contractor shall protect the existing, temporary, and new gas main from damage of any nature resulting from construction operations or from carelessness or negligence. The Contractor shall be held solely and strictly responsible for any damage caused to the existing, temporary, and new gas mains caused due to construction operations, carelessness and negligence.

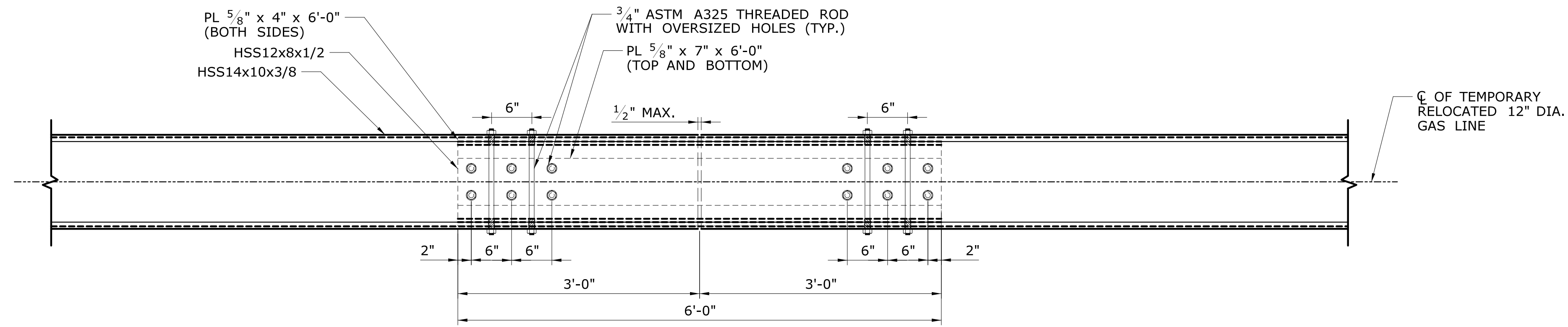
A periodic inspection of the temporary utility support and protection measures shall be performed by the Contractor, as directed by the Engineer.

The new gas main will be supported on temporary supports until the proposed southern portions of Bridge Nos. 02931 and 02932, along with the respective wingwall modifications on the south side are complete. When the temporary utility supports and protection measures are no longer required, they shall be removed from the site by the Contractor. Abandoned temporary gas main below the barrier walls shall be grouted solid with the barrier wall footings.

Method of Measurement: This work, being paid for on a lump sum basis, will not be measured for payment.

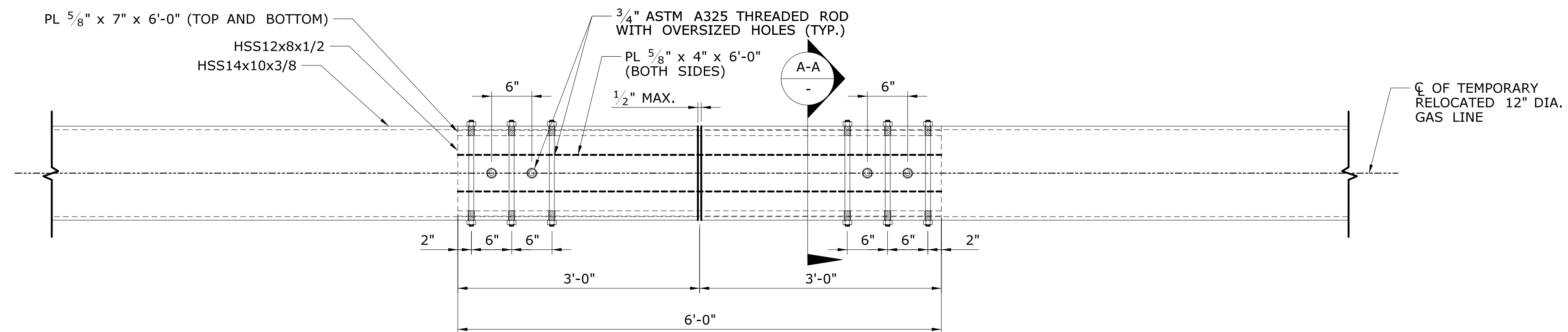
Basis for Payment: The work under this item will be paid for at the contract lump sum price for "Temporary Support of Utilities" which price shall include design and procurement of all materials for supports and protection measures, preparation of working drawings and computations for erection, preparation of shop drawings, fabricating, furnishing, installing, grouting sleeves below the barrier walls, periodic monitoring, maintaining, removing temporary supports and measures, coordinating work with the utility companies, and all materials, equipment, tools and labor incidental thereto.

Pay Item	Pay Unit
Temporary Support of Utilities	LS



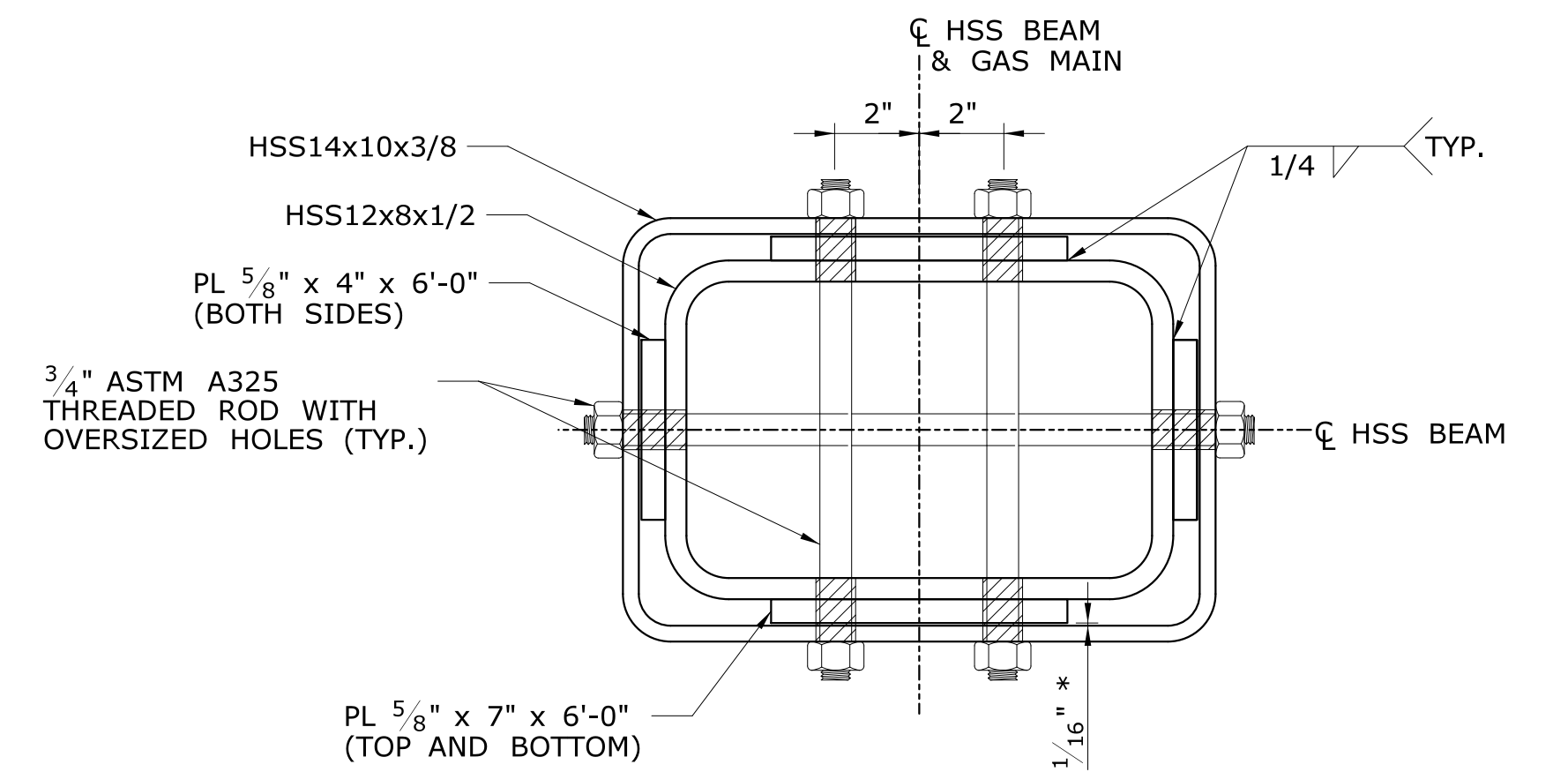
SPLICE DETAIL OF SUPPORT FOR TEMPORARY GAS LINE PLAN

SCALE 1"=1'-0"



SPLICE DETAIL OF SUPPORT FOR TEMPORARY GAS LINE ELEVATION

SCALE 1"=1'-0"



SECTION A-A

SCALE 3"=1'-0"

* $\frac{1}{16}$ " CLEARANCE SHOWN BETWEEN FILLER PLATE AND HSS. $\frac{1}{8}$ " MAX ALLOWABLE CLEARANCE. CONTRACTOR TO DECREASE FILLER PLATE THICKNESS TO MEET CLEARANCE ALLOWANCE.

- NOTES:
 1. CONTRACTOR TO DETERMINE SPLICE LOCATION.
 2. ROLLER SUPPORTS NOT SHOWN FOR CLARITY

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: EH	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 02931 ROUTE 2A OVER POQUETANUCK COVE	TOWN: PRESTON	PROJECT NO. 113-107	
Plotted Date: 12/16/2019		CHECKED BY: BX						SCALE AS NOTED
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Filename: ...04_UTL_MSH_0113-0107_UTL_3 Addendum sketch.dgn				