

GENERAL NOTES:

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND ITS LATEST REVISIONS, AND THE CONTRACT DOCUMENTS.
- ALL WORK AND ANY ASSOCIATED ACTIVITY ON THIS PROJECT SHALL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING RIGHT-OF-WAY LIMITS ALONG I-91 AND I-89. THE RIGHT-OF-WAY FOR ALL OTHER HIGHWAYS SHALL BE ASSUMED AT A MINIMUM OF 3 RODS UNLESS SHOWN OTHERWISE ON REFERENCE PLANS.
- VTRANS WILL REVIEW CONSTRUCTION STAGING AREAS FOR ADEQUACY AND EXISTING CONDITIONS. THESE STAGING AREAS SHALL BE RESTORED TO ORIGINAL CONDITION. EROSION CONTROL MEASURES SHALL BE INCORPORATED FOR ALL DISTURBED AREAS AND WILL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS.
- ALL COSTS ASSOCIATED WITH EXTENDING OR FILLING THE DRAIN TUBES SHALL BE INCIDENTAL TO ITEM 900.645, SPECIAL PROVISION (QC/QA CLEAN AND PAINT EXISTING STEEL STRUCTURES, BARE STEEL).
- STAGING AND CONTAINMENT STRUCTURES SHALL NOT BE ANCHORED INTO PIERS. ANCHORING INTO THE ABUTMENTS IS ALLOWED AS APPROVED BY THE ENGINEER. CONTRACTOR SHALL PROVIDE A DETAILED PLAN FOR CLEANING AND PAINTING BEARING DEVICES IF ANCHOR CABLES ARE PLACED AROUND BEARING PLATES. PAYMENT WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.645 SPECIAL PROVISION (CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES).
- UTILITIES THAT ARE PRESENT ON THE STRUCTURES SHALL NOT BE BLASTED OR PAINTED. THESE UTILITIES MUST BE PROTECTED. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- CONTRACTOR SHALL VERIFY, THROUGH LOAD CALCULATIONS, THE CAPACITY OF THE EXISTING BRIDGE IF ANY EQUIPMENT, MATERIALS OR CONTAINMENT SYSTEM IS PLACED ON THE BRIDGE STRUCTURE. THIS IS TO INCLUDE WIND LOADING CONDITIONS, GRIT BUILD UP, EQUIPMENT, AND PERSONNEL LOADING PER SQUARE FOOT OF THE CONTAINMENT. CALCULATIONS SHALL BE PROVIDED TO THE ENGINEER PRIOR TO START OF WORK.
- THE CONTRACTOR SHALL NOT IMPEDE THE TOWN CONTROLLED PORTION OF THE RIGHT OF WAY WITH EQUIPMENT OR ANY STAGING MATERIALS.
- WORK OUTSIDE THE SEASONAL CLOSURE PERIOD WILL NOT BE ALLOWED UNLESS BY SPECIAL PERMISSION FROM THE REGIONAL CONSTRUCTION ENGINEER. WORK OUTSIDE THE SEASONAL CLOSURE PERIOD WILL ONLY BE ALLOWED FOR A SHORT PERIOD OF TIME IF GIVEN, TO FINALIZE TOUCHUPS OR OTHER REPAIRS. NO LONG TERM OUT OF SEASON WORK WILL BE ALLOWED OR CONSIDERED.
- ALL DIMENSIONS ON PLANS FOR DOWNSPOUT AND DRAINAGE SYSTEM ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. CONTRACTOR TO SUBMIT FABRICATION DRAWINGS FOR ALL REPAIR ACTIVITIES.
- ALL WORK ADJACENT TO OR OVER ACTIVE RAILROADS SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE RAILROAD REQUIREMENTS.
- EXISTING GREASE PROTECTION APPLIED TO STEEL MEMBERS FOR CORROSION PROTECTION MAY NOT BE LIMITED TO TOP SURFACE, AS GREASE MAY HAVE PERMEATED INTO MULTIPLE LAYERS OF PAINT. THIS MAY RESULT IN PAINT LAYER REMOVAL DURING THE GREASE REMOVAL PROCESS. GREASE REMOVAL ACTIVITIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 900.645, SPECIAL PROVISION (REMOVAL OF EXISTING GREASE COATING). THE CONTRACTOR IS INVITED TO PERFORM THE NECESSARY TESTS FOR ADHESION TO THE UNDERLYING PAINT LAYERS PRIOR TO SUBMISSION OF FINAL BID DOCUMENTS.
- THE CONTRACTOR SHALL GRIND ALL EDGES OF EXISTING STEEL TO A RADIUS OF 1/16" - 1/8" PRIOR TO BLASTING THE STEEL IN PREPARATION FOR COATING.

TRAFFIC CONTROL:

- THE CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS DEPICTING EACH PHASE OF THE PLANNED WORK FOR ANY WORK ON I-91, I-89, AND OTHER ROADWAYS. THE DESIGN SHALL ENSURE STATE-REGULATED WIDE LOADS CAN BE ACCOMMODATED DURING THE LANE CLOSURES. PLANS SHALL BE SUBMITTED IN ACCORDANCE WITH SECTION 641 AND SUBSECTION 105.03 AND SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN AN APPROPRIATE DISCIPLINE IN THE STATE OF VERMONT.

TOWN	I-91 BRIDGE No	I-91 2012 AADT		CROSSROAD	CROSSROAD 2012 AADT SUM OF BOTH DIRECTIONS
		NORTHBOUND	SOUTHBOUND		
WINDSOR	34N&S	6500	6500	TH NO 5 (HUNT ROAD)	2100
HARTFORD	41N&S	13750	13750	RAMP C	NOT AVAILABLE
HARTFORD	41C	13750	13750	I-89	38500
HARTFORD	42N&S	13750	13750	I-89	38500
HARTFORD	44N&S	9900	9900	US 4 & VT 14 (WOODSTOCK RD. & MAPLE STREET)	8900
HARTFORD	45N&S	9900	9900	WILDER SH (BUGBEE STREET)	5300

- THE CONTRACTOR SHALL VERIFY THE MOST CURRENT TRAFFIC VOLUMES FOR I-91 AND CROSS ROADS FOR USE IN THE SPECIFIC TRAFFIC CONTROL PLANS.
- THE TRAFFIC CONTROL PLANS SHALL SHOW ALL RAMPS AND I-91 ACCELERATION LANES AND DECELERATION LANES.

BRIDGE NOTES:

WINDSOR, BRIDGES 34N & 34S

- REMOVE GREASE COATING ON ENDS OF STEEL BEAMS, END CROSS MEMBERS, AND BEARINGS
- CLEAN AND PAINT EXISTING STEEL, APPLYING AN ADDITIONAL INTERMEDIATE COAT OF PAINT ON ALL EXPOSED STEEL WITHIN 20' OF ABUTMENTS AND PIERS IN LIEU OF GREASE PAINT
- EXTEND BRIDGE DRAIN WEEPERS (APPROX. 16 PER STRUCTURE)
- CONTRACTOR SHALL BE AWARE OF SNOW FENCING PRESENT ON CENTER SPANS

HARTFORD, BRIDGES 41N & 41S

- REMOVE GREASE COATING ON ENDS OF STEEL BEAMS, END CROSS MEMBERS, AND BEARINGS
- CLEAN AND PAINT EXISTING STEEL, APPLYING AN ADDITIONAL INTERMEDIATE COAT OF PAINT ON ALL EXPOSED STEEL WITHIN 20' OF ABUTMENTS IN LIEU OF GREASE PAINT
- EXTEND BRIDGE DRAIN WEEPERS (APPROX. 20 PER STRUCTURE)
- DOWNSPOUTS FROM DRAINAGE TROUGHS LOCATED AT NORTH END OF BRIDGES SHALL BE REMOVED AND REPLACED
- AT CONTRACTOR'S DISCRETION, ITEM 203.30 EARTH BORROW MAY BE PLACED TEMPORARILY FOR STAGING PURPOSES AT STRUCTURES. CONTRACTOR SHALL REMOVE ALL TEMPORARY FILL PRIOR TO PROJECT COMPLETION. PAYMENT FOR REMOVAL WILL BE INCLUDED IN ITEM 203.15 COMMON EXCAVATION

HARTFORD, BRIDGE 41C

- REMOVE GREASE COATING ON ENDS OF STEEL BEAMS, END CROSS MEMBERS, AND BEARINGS
- CLEAN AND PAINT EXISTING STEEL, APPLYING AN ADDITIONAL INTERMEDIATE COAT OF PAINT ON ALL EXPOSED STEEL WITHIN 20' OF ABUTMENTS AND PIERS IN LIEU OF GREASE PAINT
- EXTEND BRIDGE DRAIN WEEPERS (APPROX. 20)
- REMOVE AND REPLACE SCUPPER AND DRAIN PIPE AT SOUTHERN END OF BRIDGE
- REMOVAL AND CLEANING OF DIAPER DRAIN AT CENTER SPAN IS NOT REQUIRED
- CONTRACTOR SHALL BE AWARE OF SNOW FENCING PRESENT ON BRIDGE
- AT CONTRACTOR'S DISCRETION, ITEM 203.30 EARTH BORROW MAY BE PLACED TEMPORARILY FOR STAGING PURPOSES AT STRUCTURES. CONTRACTOR SHALL REMOVE ALL TEMPORARY FILL PRIOR TO PROJECT COMPLETION. PAYMENT FOR REMOVAL WILL BE INCLUDED IN ITEM 203.15 COMMON EXCAVATION

HARTFORD, BRIDGES 42N & 42S

- REMOVE GREASE COATING ON ENDS OF STEEL BEAMS, END CROSS MEMBERS, AND BEARINGS
- CLEAN AND PAINT EXISTING STEEL, APPLYING AN ADDITIONAL INTERMEDIATE COAT OF PAINT ON ALL EXPOSED STEEL WITHIN 20' OF ABUTMENTS AND PIERS IN LIEU OF GREASE PAINT
- EXTEND BRIDGE DRAIN WEEPERS (APPROX. 96 PER STRUCTURE)
- REMOVE AND REPLACE TROUGH AND DOWNSPOUTS LOCATED AT SOUTH END OF BRIDGES
- CONTRACTOR SHALL BE AWARE OF SNOW FENCING PRESENT ON CENTER SPANS

HARTFORD, BRIDGES 44N & 44S

- REMOVE GREASE COATING ON ENDS OF STEEL BEAMS, END CROSS MEMBERS, AND BEARINGS
- CLEAN AND PAINT EXISTING STEEL, APPLYING AN ADDITIONAL INTERMEDIATE COAT OF PAINT ON ALL EXPOSED STEEL WITHIN 20' OF ABUTMENTS AND PIERS IN LIEU OF GREASE PAINT
- EXTEND BRIDGE DRAIN WEEPERS (APPROX. 20 PER STRUCTURE)
- REMOVE AND REPLACE ALL DOWNSPOUTS
- UTILITIES PRESENT UNDER SPAN 3 AND ALONG VT 14
- REMOVE AND DISPOSE OF BRUSH, INCIDENTAL TO ITEM 900.645, SPECIAL PROVISION (QC/QA CLEAN AND PAINT EXISTING STEEL STRUCTURES, BARE STEEL)
- CONTRACTOR RESPONSIBLE FOR HIRING A PROFESSIONAL ENGINEER LICENSED IN VT TO INSPECT AND CERTIFY STRUCTURAL ADEQUACY OF EXISTING CATWALKS IF INTENDED FOR USE. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT
- CONTRACTOR SHALL INSTALL A SAFETY NET OVER RAIL YARD PORTION OF BRIDGE SPANS PRIOR TO START OF WORK TO PREVENT ITEMS FROM FALLING ONTO ACTIVE RAIL ROAD. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

HARTFORD, BRIDGES 45N & 45S

- REMOVE GREASE COATING ON ENDS OF STEEL BEAMS, CROSS MEMBERS, AND BEARINGS
- CLEAN AND PAINT EXISTING STEEL, APPLYING AN ADDITIONAL INTERMEDIATE COAT OF PAINT ON ALL EXPOSED STEEL WITHIN 20' OF ABUTMENTS AND PIERS IN LIEU OF GREASE PAINT
- EXTEND BRIDGE DRAIN WEEPERS (APPROX. 32 PER STRUCTURE)
- CONTRACTOR SHALL BE AWARE OF SNOW FENCING PRESENT ON CENTER SPANS

TRAFFIC CONTROL (CONTINUED):

- UNIFORMED TRAFFIC OFFICERS ARE REQUIRED FOR THE TRAFFIC CONTROL ON I-91 AND I-89.
- THE TRAFFIC CONTROL DEVICES SHOWN ON THESE PLANS ARE FOR ILLUSTRATIVE PURPOSES AND DO NOT RELIEVE THE CONTRACTOR FROM ADHERING TO ALL VTRANS TRAFFIC CONTROL STANDARDS, REQUIREMENTS AND SPECIFICATIONS. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD AND ITS LATEST REVISIONS. WHERE CONFLICTS EXIST BETWEEN AOT STANDARDS AND MUTCD, THE MUTCD SHALL GOVERN.
- UNLESS COVERED UNDER INDIVIDUAL PAY ITEMS, ALL COSTS FOR TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR ITEM 641.10, TRAFFIC CONTROL.
- THE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AND PRINT MEDIA SHALL BE IMPLEMENTED 2 WEEKS IN ADVANCE OF LANE CLOSURES AS DIRECTED BY THE ENGINEER.
- TRAFFIC BARRELS ARE FOR TEMPORARY CLOSURES ONLY, UP TO A MAXIMUM OF 3 CONSECUTIVE DAYS. ALL CLOSURES LONGER THAN 3 DAYS SHALL USE CONCRETE BARRIERS, WHICH SHALL BE PAID UNDER ITEM 621.90 TEMPORARY TRAFFIC BARRIER.

PROJECT NOTES

PROJECT NAME:	WINDSOR-HARTFORD	FILE NAME:	z525457det.dgn	PLOT DATE:	25-JUNE-2015
PROJECT NUMBER:	IM BPNT (13)	PROJECT LEADER:	G.K.DONINGTON	DRAWN BY:	S.BROWN
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