

04/27/17

SSD: 1/7/00, 3/22/00, 6/14/00, 2/8/01, 4/2/01, 1/25/02, 4/1/02, 04/15/03, 04/20/04, 05/06/05, 05/19/06, 09/17/07, 06/12/08, 03/04/09, 08/26/09, 06/28/10, 06/10/11, 04/12/12, 04/18/13, 01/02/14, 10/22/14, 01/16/15, 01/15/16, 09/12/16, 02/09/17

SPECIAL ATTENTION

QUALIFIED PRODUCTS LIST

The Qualified Products List is available online at www.nhdot.com on the *Doing Business with DOT>Contractors* webpage. A link to the Qualified Product List (QPL) is shown under the *Products and Materials* heading in the *Engineering/Technical Information* section of this webpage. The QPL is now considered a live document and periodic updates will occur. The QPL in effect on the date of project advertisement shall apply to this contract.

Products added to the QPL can be used under this contract upon issuance of the updated QPL. The Contractor shall not use the anticipated addition of a product to the QPL as a basis for use of a product. A product removed from an updated QPL can still be used under this contract unless specifically directed by the Department that the removed product shall not be used.

SPECIAL ATTENTION**STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION,
STANDARD PLANS FOR ROAD CONSTRUCTION & BRIDGE DETAIL SHEETS**

This project will be constructed under the requirements of the 2016 Standard Specifications for Road and Bridge Construction, which has been adopted and will be utilized for projects advertising after March 1, 2016, and the 2010 Standard Plans for Road Construction, including revised Standard Plans.

For Bridge Standard Plans, Bridge Design will include the appropriate standard plans, now referred to as Detail Sheets, in the plan set that pertain to the specific project, as necessary.

The Standard Specifications for Road and Bridge Construction and the Standard Plans for Road Construction manuals are available for purchase from NHDOT Records Section (603-271-3514) or can be viewed on the NHDOT website: <http://www.nh.gov/dot/business/contractors.htm>. The Specification Book and the Standard Plans are located under the *Standards and Specifications* heading while the Bridge Detail Sheets are located under the *Plans and Details* heading.

SPECIAL ATTENTION**THIS PROJECT IS TO BE BID AND CONSTRUCTED UNDER THE
2010 STANDARD PLANS FOR ROAD CONSTRUCTION****NOTICE OF STANDARD PLANS**

The following table is a list of all of the Standard Plans that have been adopted as additions or revisions to the *Standard Plans for Road Construction*, June 2010 Edition as of the date of this Proposal. The Bidder is responsible to examine each standard to determine its effect, if any, upon the Contract.

Note: All Standard Plans are available on-line:

www.nh.gov/dot/org/projectdevelopment/highwaydesign/standardplans/index.htm.

Note: See also Standard Plans for Road Construction List of Revisions on-line:

www.nh.gov/dot/org/projectdevelopment/highwaydesign/standardplans/documents/errata_2010_standards.pdf.

Note: See also Highway Design Detail Sheets on-line:

www.nh.gov/dot/org/projectdevelopment/highwaydesign/detailsheets/index.htm

2010 Highway Standard Plans

Standard Plan	Description	Previous Revision Date	Current Revision Date
CR-1	Granite Curb Details		06/16/10
CR-2	Curb Details		06/16/10
DL-1	Roadside Delineation	06/16/10	03/05/15
DL-2	Interchange Delineation	06/16/10	03/05/15
DL-3	Milled Rumble Strips (Shoulders)		Under Revision
DL-4	Milled Rumble Strips (Shoulders)		Under Revision
DL-5	Milled Rumble Strips (Shoulders)		Under Revision
DL-6	Milled Rumble Strips (Centerline)	06/16/10	1/25/16
DL-7	Milled Rumble Strips (Centerline)	06/16/10	1/25/16
DL-8	Milled Rumble Strips (Centerline)	06/16/10	1/25/16
DP-1	Drainage Pipe Details		06/16/10

DR-1	Grate and Frame Details	06/16/10	8/14/15
DR-2	Grate and Frame, M.H.Cover and Pavement Depression Details	11/5/10	8/14/15
DR-3	Precast Concrete Median Barrier Drainage Details		06/16/10
DR-4	DI-DB, Underdrain Flushing Basin and Polyethylene Liner Details	06/16/10	8/14/15
DR-5	Precast Reinforced Concrete C.B., D.I. and M.H.		06/16/10
ES-1	End Sections for Corrugated Steel and Reinforced Concrete Pipes		06/16/10
EW-1	Earthwork - Muck Excavation		06/16/10
FN-1	Woven Wire Fence		06/16/10
FN-2	Chain Link Fence		06/16/10
GR-1	31" Mid-Splice Beam Guardrail Standard Section - Steel Posts and Hardware Details	06/16/10	8/19/15
GR-2	Beam Guardrail Standard Section - Steel Posts and Hardware Details	05/03/11	8/19/15
GR-2A	Beam Guardrail Standard Section - Wood Posts and Hardware Details	06/16/10	8/19/15
GR-3	Preferred Platform for Energy Absorbing Guardrail Terminal (EAGRT)		Superseded (08/19/15) - See Detail Sheets
GR-4	Alternative Platform for Energy Absorbing Guardrail Terminal (EAGRT)		Superseded (08/19/15) - See Detail Sheets
GR-5	Beam Guardrail Terminal Section Type E-2		06/16/10
GR-6	Beam Guardrail - Terminal Section Type E-2 Hardware Details		06/16/10
GR-7	Beam Guardrail - Terminal Section Type E-2 Modified 30		06/16/10
GR-8	Beam Guardrail - Terminal Section Type E-2 Modified 40		06/16/10
GR-9	Beam Guardrail - Terminal Section Type E-2 Modified 45		06/16/10
GR-10	Beam Guardrail - Terminal Unit Type G-2		06/16/10
GR-11	Beam Guardrail - Thrie Beam Double Faced (Wood Posts)	06/16/10	11/05/10
GR-12	Beam Guardrail - Thrie Beam Double Faced (Steel Posts)	11/05/10	05/03/11
GR-13	Beam Guardrail - Thrie Beam Single Faced (Wood Posts)	06/16/10	11/05/10
GR-14	Beam Guardrail - Thrie Beam Single Faced (Steel Posts)	11/5/10	05/03/11
GR-15	Precast Concrete Barrier 42" F-Shape (Double-Faced)	06/16/10	11/05/10
GR-16	Transition F-Shape Barrier	06/16/10	11/05/10
GR-17	Transition F-Shape Barrier and Guardrail (Wood Posts)	11/05/10	10/30/12

GR-18	Transition F-Shape Barrier and Guardrail (Steel Posts)	11/05/10	10/30/12
GR-19	Single Slope Barrier	11/05/10	04/03/14
GR-20	Transition Single Slope Concrete Barrier, Precast	10/30/12	04/03/14
GR-21	Transition Single Slope Concrete Barrier and Guardrail (Wood Posts)	11/05/10	10/30/12
GR-22	Transition Single Slope Concrete Barrier and Guardrail (Steel Posts)	11/05/10	10/30/12
GR-23	Portable Concrete Barrier 10 foot	01/03/20	03/27/20
GR-24	Portable Concrete Barrier (1 of 2) (12.5 ft-MASH)		06/05/20
GR-25	Portable Concrete Barrier (2 of 2) (12.5 ft-MASH)		06/05/20
HR-1	Handrail Details		06/16/10
HR-2	Concrete Bound and Steps		06/16/10
HW-1	Headwall Details		06/16/10
HW-2	Headwall Details (45° Wings)		06/16/10
HW-3	Headwall Details (2 Pipes 45° Wings)		06/16/10
MB-1	Mailbox Details	06/16/10	02/25/16
PL-1	Planting Details		02/26/10
PL-2	Planting Details		06/16/10
SL-1	Pull Boxes and Conduit Trench Detail		06/16/10
SL-2	Concrete Foundations and Light Pole Base, Type B		06/16/10

2010 Traffic Standard Plans

Standard No.	Description	Previous Revision Date	Current Revision Date
PM-1	Layout Details		02/26/10
PM-2	Tolerances for Pavement Marking Lines		02/26/10
PM-3	Divided Roadway Multiple Lanes with Entrance and Exit Ramps Striping Layout	02/26/10	11/05/10
PM-4	Divided Roadway Multiple Lanes with Entrance and Exit Ramps Striping Layout		Superseded See Detail Sheets (3/21/17)
PM-5	Divided Roadway Multiple Lanes with Entrance and Exit Ramps Striping Layout		02/26/10
PM-6	Painted Island Details		02/26/10
PM-7	Intersection Details	02/26/10	11/05/10

PM-8	Word and Symbol Lane Layout		Superseded See Detail Sheets (3/21/17)
PM-9	Pavement Marking at Minor Intersections		02/26/10
PM-10	Turning Lane Extension Details		02/26/10
PM-11	Accessible Parking Details		02/26/10
PM-12	Words and Symbols		02/26/10
PM-13	Words and Symbols		02/26/10
PM-14	Speed Zone Pavement Markings (Divided Highway)		02/26/10
PS-1	Aluminum Plank Details		02/26/10
PS-2	Aluminum Plank Details		02/26/10
PS-3	Aluminum Sheet Details		02/26/10
PS-4	Tubular/ U-Channel Post Detail		02/26/10
PS-5	Steel Beam Details (Non-Breakaway)		02/26/10
PS-6	Steel Beam Details (Non-Breakaway)		02/26/10
PS-7	Steel Beam Details (Breakaway)		02/26/10
PS-8	Steel Beam Details (Breakaway)		02/26/10
PS-9	Breakaway Mounts		02/26/10
PS-10	Breakaway Mounts		02/26/10
SG-1	Route Marker Details		02/26/10
SG-2	Regulatory Signs		02/26/10
SG-3	Regulatory Signs		02/26/10
SG-4	Regulatory Signs		02/26/10
SG-5	Regulatory Signs		02/26/10
SG-6	Regulatory Signs		02/26/10
SG-7	Warning Signs		02/26/10
SG-8	Warning Signs		02/26/10
SG-9	Warning Signs		02/26/10
SG-10	Warning Signs		02/26/10
SG-11	Warning Signs		02/26/10
SG-12	Miscellaneous Signs		02/26/10
SG-13	Informational Signs		02/26/10
SG-14	Informational Signs		02/26/10
TS-1	Traffic Signal Mast Arm Foundation – Type 1A	02/26/10	10/09/17

TS-2	Traffic Signal Mast Arm Foundation – Type 1B and 1C	02/26/10	10/09/17
TS-3	Traffic Signal Mast Arm Foundation – Type 1D and 1E	02/26/10	10/09/17
TS-4	Traffic Signal Mast Arm Foundation - Type 2	02/26/10	10/09/17
TS-5	Quadrupole Loop Detector 2-4-2 Turns	02/26/10	01/17/19
TS-6	Rectangular Loop Detector 3 Turns	02/26/10	01/17/19
TS-7	Standard Traffic Signal Mast Arms		01/17/19

Work Zone Traffic Control Standard Plans

Standard No.	Description	Previous Revision Date	Current Revision Date
TC-1	Text Amendment Note Sheet	11/28/18	05/17/19
TC-2	Permanent Construction Signing	08/03/04	03/16/17
TC-3	Two-Way Traffic Lane Shift	08/03/04	03/16/17
TC-4	Bridge Rehabilitation: Stop/Yield Control	11/28/18	05/17/19
TC-5	Single Lane Shift (Divided Highway)	08/03/04	See Detail Sheets
TC-6	Lane Closure with Lane Shift for Speed Reduction (Divided Highway)	03/16/17	11/28/18
TC-7	Multi-Lane Closure (Divided Highway)	11/28/18	05/17/19
TC-8	Construction Signing for Cold-Planed Surfaces	03/16/17	11/28/18

03/21/18

SSD: 03/01/16, 06/10/16, 6/11/16, 06/27/16, 08/03/16, 10/31/16, 11/28/16, 06/19/17, 11/30/17

SPECIAL ATTENTION**ERRATA SHEET**

The following table is a list of corrections to the 2016 *Standard Specifications for Road and Bridge Construction*, as of the date of this Proposal.

Section	Description	Correction	Date
<i>DIVISION 100</i>			
104.03	Maintenance of Traffic	Amend 'winter work suspensions' in 104.03 to read 'Winter Suspension'.	06/07/07
<i>DIVISION 200</i>			
<i>DIVISION 300</i>			
<i>DIVISION 400</i>			
<i>DIVISION 500</i>			
		Insert the following footnotes under Table 520-1A:	
		¹ See 3.1.6 TESTING	
		² For mixes containing fly-ash, silica fume, slag, or any other pozzolanic or cementitious material, the water/cement ratio of the concrete mix shall be based on the water cementitious (cement + pozzolanic or cementitious material) ratio of the mix. This water to cementitious ratio shall not exceed those listed in Table 1A. The maximum water/cement ratios listed for Concrete Class B and T are for design purposes only.	
		³ Deck Overlays.	
520	Classes of Concrete	⁴ <u>Maximum</u> 84 day Compressive Strength for Flowable Fill, Excavatable shall not exceed 200 psi.	06/11/16
		⁵ These are recommended values that may be used as a starting point for a mix design that has shown ability to meet the requirements. The amount of cement shall be adjusted and fly-ash or ground granulated blast furnace slag shall be used provided the mix design meets the minimum and does not exceed the maximum compressive strength in accordance with 2.11.1.	
		⁶ Target values shown are for mix design approval only and are not intended for use as quality control or quality assurance requirements.	

Section	Description	Correction	Date
520	Classes of Concrete – Performance Requirements (QC/QA)	Amend the title of <i>Table 420-1B - Class of Concrete – Performance Requirements (QC/QA)</i> to <i>Table 520-1B - Class of Concrete – Performance Requirements (QC/QA)</i>	11/28/16
528	Shear Key Grout for Butted Beams	Amend 528.2.9.1 to read: <i>Grout for shear keys shall be an approved grout as listed in Section 528A of the Qualified Products List.</i> Amend 528.2.9.2 to read: <i>For testing, 3 neat 2” cubes shall be molded and cured in accordance with AASHTO T 106 (ASTM C 109). The average compressive strength of the 3 cubes at 7 days shall be a minimum of 6000 psi.</i>	06/10/16
528	Installation of Deck Panels	Replace last sentence of 528.3.22.6.4 to read: <i>If leveling screws are used, they shall be completely removed and the holes filled with grout listed in Section 528A of the Qualified Products List prior to placement of deck concrete.</i>	06/10/16
550	PTFE Surfaces for Bearings	Amend the first sentence of 550.2.10 to read: <i>PTFE for use in expansion bearing assemblies shall be 100 percent virgin (unfilled) polytetrafluoroethylene polymer...</i>	08/03/16
550	Anchor Rods	Amend 550.3.15.4.1 to read: <i>Anchor rods shall be set in one of the following materials:</i> <i>(a) Non-shrinking, non-ferrous, cement-base grout listed in Section 550A of the Qualified Products List. This grout shall be used only when both the temperature of the masonry and the ambient temperature are kept at 40 °F or above until the grout has cured.</i> <i>(b) Sulfur.</i> Amend the first sentence of 550.3.15.4.2 to read: <i>Non-shrinking, non-ferrous, cement base grout shall be a product as included in Section 550A of the Qualified Products List.</i>	06/10/16
563	Bridge Rail	Amend 4.1 to read: <i>Bridge rail, of the type specified, will be measured by the linear foot to the nearest tenth of a foot.</i>	06/27/16
<i>DIVISION 600</i>			
606	Handrail	Amend 606.2.8.2 to read: <i>Grout for anchoring the pipe posts shall be High Strength, Impact Resistant, Non-shrink Grout as included in Section 528A of the Qualified Products List.</i>	06/10/16

Section	Description	Correction	Date
606	Temporary Impact Attenuators	Amend in 606.2.10.2 the reference to 2.12.4 to 2.10.4.	11/28/16
	Repair of Hardened Concrete	Amend in 606.3.7.12.A the reference to <i>Fast Set Non-shrink Patching Mortar</i> to <i>Rapid-Hardening Patching Material</i> .	03/21/18
609	Curbing	Amend the 2 nd sentence of 609.2.5 to read: <i>The non-shrink, non-metallic grout shall be a product as included in Section 550A of the Qualified Products List.</i>	06/10/16
609	Curb anchors	Amend 609.3.1.5.1 to read: <i>Curb anchors shall be set and grouted using non-shrink, non-metallic grout as shown on the plans.</i>	06/10/16
621	Delineators	Add the following to the end of 621.3.1.3: <i>Grout shall be as listed in Section 550A of the Qualified Products List or as directed by the Engineer.</i>	06/10/16
632	Pavement Markings	Amend the AASHTO reference in 3.2.3.1 to read: <i>AASHTO M248 Type F</i>	
<i>DIVISION 700</i>			
707	Cement Mortar	Amend 2.3 to read: <i>Testing for impurities shall comply with AASHTO T 21. Results that are darker than the standard shall be cause for rejection, except as provided in 2.3.1.</i>	10/31/16
		Amend 2.3.1 to read: <i>Sand for mortar not conforming to 2.3 shall be tested in accordance with AASHTO T 71 and shall meet the requirements of 5.2.3 of AASHTO M 45.</i>	