

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AND ITS LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, DATED 2012, AND ITS LATEST REVISIONS.
2. ALL PRECAST CONCRETE ELEMENTS TO BE FABRICATED TO THE SPECIFIED DIMENSIONS WITHIN THE TOLERANCES DICTATED IN THE PRECAST/PRESTRESSED CONCRETE INSTITUTE TOLERANCE MANUAL FOR PRECAST AND PRESTRESSED CONCRETE CONSTRUCTION, MNL 135-00, AND ITS LATEST REVISIONS.
3. DUE TO STABILITY CONCERNS AT THE ABUTMENTS DURING THE ERECTION OF THE SUPERSTRUCTURE, THE CONTRACTOR SHALL SUBMIT THE ERECTION PLAN A MINIMUM OF 30 WORKING DAYS PRIOR TO THE BRIDGE CLOSURE PERIOD. UNDER NO CIRCUMSTANCES SHALL A BRIDGE CLOSURE PERIOD BEGIN PRIOR TO HAVING AN ACCEPTED ERECTION PLAN.
4. THE METHOD OF FORMING FOR SUBSEQUENT POURS AFTER PLACING PRECAST/PRESTRESSED SUPERSTRUCTURE UNITS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR IS ENCOURAGED TO WORK WITH THE FABRICATOR IF ADDITIONAL SUPPORTS ARE REQUIRED. IN NO CASE SHALL THE CONTRACTOR ATTACH ADDITIONAL FORM OR SCREED SUPPORTS BY DRILLING OR SIMILAR MEANS INTO ANY PRECAST/PRESTRESSED SUPERSTRUCTURE UNIT.
5. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL AND VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL BE MADE AWARE THAT EXISTING UTILITIES ARE WITHIN THE CONSTRUCTION LIMITS OF BRIDGE 13. THE UTILITIES WILL BE RELOCATED BY OTHERS PRIOR TO THE START OF CONSTRUCTION. THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE. NO CLAIMS ARE MADE AS TO THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING AND PROTECTING FROM DAMAGE ALL UTILITIES ON SITE DURING ALL STAGES OF CONSTRUCTION. SEE UTILITY RELOCATION SHEET AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
7. NO SUBSTITUTION FOR PRECAST CONCRETE WILL BE PERMITTED.
8. ALL PG BINDER USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH SUBSECTION 490.03 b.

GENERAL (CONTINUED)

9. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL COLD PLANED SURFACES AT THE RATE OF 0.080 GAL/SY AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.040 GAL/SY OR AS DIRECTED BY THE ENGINEER.
10. ANY REQUIRED SAWCUT OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO THE WEARING COURSE PAY ITEM.
11. THE CONTRACTOR SHALL REVIEW AND UNDERSTAND ALL APPLICABLE ENVIRONMENTAL PERMITS AND ENSURE THAT ALL CONSTRUCTION CONDITIONS ARE MET.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.
13. SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.
14. DRIVEWAYS: ALL DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SHEET B-71.

EARTHWORK

15. REMOVAL OF THE EXISTING STRUCTURE SHALL BE UNDER ITEM 529.15, "REMOVAL OF STRUCTURE". THIS WORK SHALL INCLUDE REMOVAL OF ANY PORTIONS OF THE EXISTING STRUCTURE, INCLUDING THE SUPERSTRUCTURE, ABUTMENTS, RETAINING WALLS, AND WINGWALLS, THAT FALL OUTSIDE THE LIMITS OF STRUCTURE EXCAVATION OR UNCLASSIFIED CHANNEL EXCAVATION. ABUTMENT #1 SHALL BE REMOVED TO THE TOP OF EXISTING FOOTING AT APPROXIMATE ELEVATION 822.00 FEET, AND ABUTMENT #2 SHALL BE REMOVED TO APPROXIMATE ELEVATION 825.00 FEET. ANY PORTIONS OF EXISTING ABUTMENT #2 THAT MAY INTERFERE WITH THE CONSTRUCTION OF THE NEW BRIDGE SHALL ALSO BE REMOVED.
16. THE "STONE FILL, TYPE III" UNDER THE BRIDGE AS SHOWN IN THE PLANS SHALL BE PLACED BEFORE THE NEW BEAMS ARE SET.

EARTHWORK (CONTINUED)

17. CURRENTLY THERE IS AN INVASIVE WEED ON THE BANKS OF THE UPSTREAM CHANNEL WITHIN THE CONSTRUCTION LIMITS. ALL VEGETATION AND TOP SOIL EXCAVATED FROM THE UPSTREAM CHANNEL BANKS SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY. ALL EARTH DISTURBING EQUIPMENT SHALL BE WASHED BEFORE LEAVING THE UPSTREAM CHANNEL BANKS. THE EXCAVATED SECTION LEFT BELOW THE DESIRED LEVEL BY REMOVALS SHALL BE BACKFILLED WITH APPROVED MATERIAL. INVASIVE WEED REMOVAL AND ALL ASSOCIATED WORKS SHALL BE INCIDENTAL TO THE APPROPRIATE EXCAVATION AND BACKFILL ITEMS.

CONCRETE AND REINFORCING STEEL

18. AS DETAILED ON THE QUANTITY SUMMARY SHEETS ON SHEETS 9-13, THE PRECAST CONCRETE SUBSTRUCTURES AND APPROACH SLABS ARE OPTION ITEMS. THE CONTRACTOR SHALL CHOOSE EITHER CONTRACT ITEM 540.10 FOR ALL OPTIONS OR CONTRACT ITEM 900.645 FOR ALL OPTIONS. MIXING OPTION ITEMS SHALL NOT BE ALLOWED.
19. ITEM 514.10, "WATER REPELLENT, SILANE", SHALL BE APPLIED TO ALL EXPOSED CONCRETE ON THE BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE, INCLUDING THE TEXAS RAIL AND CONCRETE SIDEWALKS, WITH THE EXCEPTION OF THE BOTTOM OF THE PRECAST NEXT BEAMS BETWEEN DRIP NOTCHES.
20. THE CORK JOINT BETWEEN THE PRECAST CONCRETE BEAM FLANGE AND THE RETAINING WALL STEM SHALL BE INCIDENTAL TO PAY ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B".
21. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE "CONCRETE REINFORCING STEEL INSTITUTE".
22. MINIMUM CLEAR COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

ALONG BACK FACES OF WALLS AGAINST EARTH:	2.00 INCHES
ALONG TOP SURFACE OF DECK SLAB:	2.50 INCHES
ALONG BOTTOM SURFACE OF DECK SLAB:	1.75 INCHES
BEAM-END CLOSURE POUR:	2.00 INCHES
ELSEWHERE UNLESS OTHERWISE INDICATED:	3.00 INCHES
23. TEST BARS SHALL BE PROVIDED IN ACCORDANCE WITH THE "VERMONT AGENCY OF TRANSPORTATION MATERIALS SAMPLING MANUAL".

<u>CONCRETE</u>		<u>REINFORCING STEEL</u>	
STRUCTURAL ELEMENT:	CONTRACT ITEM:	TO MEET THE REQUIREMENTS FOR:	PAYMENT TO BE INCLUDED IN:
NEXT BEAMS	ITEM 900.640, "SPECIAL PROVISION (PRESTRESSED CONCRETE NEXT D BEAMS) (NEXT 28D)"	REINFORCING STEEL, LEVEL II	ITEM 900.640, "SPECIAL PROVISION (PRESTRESSED CONCRETE NEXT D BEAMS) (NEXT 28D)"
CAST-IN-PLACE CONCRETE*	ITEM 900.608, "SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, RAPID SET) (FPQ)"	REINFORCING STEEL, LEVEL II	ITEM 900.608, "SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, RAPID SET) (FPQ)"
SUBSTRUCTURE	ITEM 540.10, "PRECAST CONCRETE STRUCTURE" OR ITEM 900.645, "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE), AS APPROPRIATE.	REINFORCING STEEL, LEVEL I	ITEM 540.10, "PRECAST CONCRETE STRUCTURE" OR ITEM 900.645, "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE), AS APPROPRIATE.
BRIDGE SIDEWALK	ITEM 501.33, "CONCRETE, HIGH PERFORMANCE CLASS A"	REINFORCING STEEL, LEVEL II	ITEM 507.12, "REINFORCING STEEL, LEVEL II"
TEXAS BRIDGE RAIL	ITEM 900.640, "SPECIAL PROVISION (BRIDGE RAILING, TEXAS)"	REINFORCING STEEL, LEVEL II	ITEM 900.640, "SPECIAL PROVISION (BRIDGE RAILING, TEXAS)"
RETAINING WALL STEM	ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B"	REINFORCING STEEL, LEVEL I EPOXY COATED	ITEM 507.11, "REINFORCING STEEL, LEVEL I" EPOXY COATED
RETAINING WALL FOOTING	ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B"	REINFORCING STEEL, LEVEL I	ITEM 507.11, "REINFORCING STEEL, LEVEL I"
APPROACH SLABS	ITEM 540.10, "PRECAST CONCRETE STRUCTURE" OR ITEM 900.645, "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE), AS APPROPRIATE.	REINFORCING STEEL, LEVEL I EPOXY COATED	ITEM 540.10, "PRECAST CONCRETE STRUCTURE" OR ITEM 900.645, "SPECIAL PROVISION (CONTRACTOR-FABRICATED PRECAST CONCRETE STRUCTURE), AS APPROPRIATE.

* CAST-IN-PLACE CONCRETE SHALL INCLUDE ALL CONCRETE PLACED INTEGRALLY WITH THE SUPERSTRUCTURE AND APPROACH SLABS INCLUDING BEAM-END CLOSURE POURS, DECK CLOSURE POURS, AND APPROACH SLAB CLOSURE POURS, AND SUBSTRUCTURE CONCRETE FOR PILE CAVITIES AS DETAILED IN THE PLANS.

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PROJECT NUMBER:	BRF 0269(13)
FILE NAME:	I0c412/cos/z10c412gennotes.dgn
PLLOT DATE:	11/21/2014
PROJECT LEADER:	J. BYATT
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PROJECT NOTES (1 OF 2)	
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SHEET	7 OF 73

