

GENERAL NOTES

1. CONTRACTOR MUST OBTAIN PERMISSION PRIOR TO ANY CONSTRUCTION ON THE U.S. CUSTOMS PROPERTY. FOR THE APPROPRIATE PERMISSION AND PROTOCOL CONTACT MR. TOM EBERHARDT'S OFFICE AT GENERAL SERVICES ADMINISTRATION (802) 828-4483.
2. ALL PROPOSED WORK TO BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY.
3. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICALS OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN AND END, AND ALL PAVED SIDE ROAD APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. ALL JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT.
4. ALL NECESSARY SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR, AND CRACK SEALING SHALL BE PERFORMED FOLLOWING COLD PLANING AND PRIOR TO PAVING. THE PATCHING OF ALL CRACKS GREATER THAN 1.0" AND POT HOLE REPAIR SHALL BE COMPLETED USING BITUMINOUS CONCRETE PAVEMENT IN ACCORDANCE WITH ITEM 900.680, SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I). AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN INCLUDED TO COVER ALL COSTS ASSOCIATED WITH THIS WORK.
5. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE ENGINEER SHALL CONTACT THE VAOT CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE. IF THE CONTRACTOR IS DETERMINED BY THE ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE STATE.
6. PRIOR TO PAVING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3 INCHES OR AS DIRECTED BY THE ENGINEER. EXCAVATION SHALL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE BEFORE THE LEVELING COURSE IS PLACED.
7. GRASS GROWING ADJACENT TO THE PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT, WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE PAVEMENT, SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
8. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
9. EMULSIFIED ASPHALT TYPE RS-IH OR CRS-IH SHALL BE APPLIED AS A TACK COAT ON ALL EXISTING OR COLD PLANED PAVEMENT SURFACES AT THE RATE OF 0.080 GAL/SY AND BETWEEN ALL COURSES OF BITUMINOUS CONCRETE PAVEMENT AT THE RATE OF 0.025 TO 0.040 GAL/SY. PAYMENT WILL BE UNDER ITEM 900.683, SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH).
10. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SUBSECTION 490.03(b).
11. ALL SIDE ROADS ARE TO BE PAVED 25 FEET FROM THE EDGE OF MAINLINE SHOULDER UNLESS OTHERWISE SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
12. EDGES OF PAVEMENT SHALL INCLUDE A SAFETY EDGE AS SHOWN ON SHEET 9.
13. SHOULDER RECONSTRUCTION SHALL BE DONE IN LOCATIONS WHERE THE ROADWAY IS TO BE WIDENED OR AS DIRECTED BY THE ENGINEER.
14. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE ENGINEER AND WILL BE PAID UNDER ITEM 402.12 AGGREGATE SHOULDERS, ITEM 402.13 AGGREGATE SHOULDERS, RAP OR TOPSOIL (LAWN AREAS).
15. ALL PAVED AND GRAVEL RESIDENTIAL AND COMMERCIAL DRIVES SHALL RECEIVE A 4 FEET PAVED APRON AND ALL FIELD AND WOODS DRIVES SHALL RECEIVE A 2 FEET PAVED APRON UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY AND ALL REQUIRED EXCAVATION AND ASSOCIATED DRIVE GRADING IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES). BITUMINOUS CONCRETE MATERIAL PLACED BY MECHANICAL METHODS AT THESE LOCATIONS IS EXCLUDED. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS, WHETHER BY HAND OR MECHANICAL METHODS, WILL BE PAID UNDER THE APPROPRIATE CONTRACT PAY ITEM FOR SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
16. ESTIMATED QUANTITIES OF ITEM 601.0010 15" CSP .064 (2-2/3 X 1/2) AND ITEM 601.0015 18" CSP .064 (2-2/3 X 1/2) HAVE BEEN INCLUDED TO REPLACE DRIVE PIPES IMPACTED DUE TO ROADWAY WIDENING OR AS DIRECTED BY THE ENGINEER.
17. THE CULVERT PIPES SHOWN IN THE PLANS ARE TO BE USED FOR INFORMATIONAL PURPOSES ONLY. THE ENGINEER SHALL DETERMINE WHETHER THE COMPACTION EFFORT OVER EXISTING CULVERTS SHOULD BE REDUCED. ALL CULVERTS ARE TO BE RETAINED.
18. ASPHALTIC PLUG-TYPE JOINT SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS. SEE BRIDGE JOINT ASPHALTIC PLUG (STRUCTURES DETAIL SD-516.10)

BRIDGE #16 -	60+81	(MM 1.152)	30'	ASPHALTIC JOINT
	61+65	(MM 1.168)	30'	ASPHALTIC JOINT
BRIDGE #18 -	293+81	(MM 5.565)	25'	ASPHALTIC JOINT
BRIDGE #19 -	337+43	(MM 6.391)	46'	ASPHALTIC JOINT
	339+20	(MM 6.424)	49'	ASPHALTIC JOINT
BRIDGE #52 -	410+42	(MM 7.773)	33.4'	ASPHALTIC JOINT
	411+56	(MM 7.795)	33.4'	ASPHALTIC JOINT
19. COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED, ITEM 402.12 AGGREGATE SHOULDERS, ITEM 402.13 AGGREGATE SHOULDERS, RAP AND ITEM 651.35 TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
20. QUANTITIES FOR ITEMS 604.412, 604.415, AND 604.418 REHAB DROP INLETS, CATCH BASINS OR MANHOLES, CLASS I, CLASS II AND CLASS III ARE ESTIMATED AND SHALL BE PERFORMED AT LOCATIONS SHOWN ON THE PLAN SHEETS OR AS DIRECTED BY THE ENGINEER. ALL D'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION MATCHES WITH THE SURROUNDING TERRAIN.
21. ESTIMATED QUANTITIES OF ITEM 608.15 POWER GRADER RENTAL, ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, AND ITEM 608.37 TRUCK RENTAL HAVE BEEN INCLUDED FOR REMOVING BUILT UP SAND, SOD ETC. ADJACENT TO THE SHOULDER, IN NON-GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER AS DIRECTED BY THE ENGINEER.
22. AN ESTIMATED QUANTITY OF ITEM 203.40 SHOULDER BERM REMOVAL HAS BEEN INCLUDED FOR THE REMOVAL OF BUILT UP SAND, SOD ETC ADJACENT TO THE SHOULDER, IN RETAINED GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.
23. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER.
24. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
25. IN AREAS WHERE A UTILITY POLE OR SIMILAR OBJECT IS LOCATED WITHIN 4 FEET BEHIND GUARDRAIL, A REDUCED POST SPACING SHALL BE USED AS DETAILED IN THE NON-YIELDING OBJECT DETAIL ON SHEET 9.
26. 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FEET POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FEET POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED OR ITEM 621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS, AS APPROPRIATE.
27. AN ESTIMATED QUANTITY OF ITEM 621.79 ADJUST HEIGHT OF GUARDRAIL HAS BEEN INCLUDED TO ADJUST THE HEIGHT OF GUARDRAIL AS DIRECTED BY THE ENGINEER.
28. ESTIMATED QUANTITIES OF ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL, AND ITEM 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END TERMINAL AREAS WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED FOR USE WITH THE GUARDRAIL END TERMINAL AREAS. 25 CY OF ITEM 203.30 EARTH BORROW HAS BEEN ESTIMATED FOR EACH NEW END TERMINAL AREA. GUARDRAIL END TERMINAL AREAS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF ITEM 651.35 TOPSOIL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 CY OF ITEM 651.35 TOPSOIL FOR EACH NEW GUARDRAIL END TERMINAL AREA. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON SLOPES GREATER THEN 1:6 CREATED BY THE GUARDRAIL END TERMINAL AREA. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END TERMINAL AREA. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING PLACE ITEM 651.35 TOPSOIL, ITEM 651.18 FERTILIZER, ITEM 651.20 AGRICULTURAL LIMESTONE AND ITEM 651.15 SEED.
29. AN ESTIMATED QUANTITY OF ITEM 608.26 ALL PURPOSE EXCAVATOR RENTAL, TYPE II (PNEUMATIC HAMMER) HAS BEEN INCLUDED FOR LEDGE REMOVAL IN DITCH CLEANING LOCATIONS WHERE LEDGE IS ENCOUNTERED OR AS DIRECTED BY THE ENGINEER.
30. THE BORDER PATROL FACILITY ON VT ROUTE 253 SHALL RECEIVE THE FOLLOWING TREATMENT:
 - 2" INCH COLD PLANE
 - 1/2" INCH SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVS LEVELING COURSE
 - 1/2" INCH SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVS WEARING COURSE
 PAVEMENT MARKINGS SHALL BE AS SHOWN IN THE PLANS. ALL SIGNS ASSOCIATED WITH THE BORDER PATROL FACILITY WILL BE RETAINED. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AROUND THE CANOPY, BUILDING, RAISED ISLANDS AND SIGNS. ANY DAMAGE TO THE CANOPY, BUILDING, ISLANDS OR SIGNS AS A RESULT OF THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE.
31. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE VERMONT ELECTRIC COOPERATIVE, INC. IN REFERENCE TO THE 'NORTHEAST KINGDOM CONNECTOR' PROJECT. THE 'NORTHEAST KINGDOM CONNECTOR' PROJECT CONSISTS OF THE RECONSTRUCTION OF A 22 MILE SEGMENT OF AERIAL ELECTRIC TRANSMISSION LINE BEGINNING AT MM 0.265 ON VT ROUTE 102 IN THE TOWN OF BLOOMFIELD AND ENDING AT MM 6.830 ON VT ROUTE 102 IN THE TOWN OF CANAAN.

PROJECT NAME: LEMINGTON-CANAAN	
PROJECT NUMBER: STP 2723(1)	
FILE NAME: z07c214frrm.dgn	PLOT DATE: 3/4/2015
PROJECT LEADER: P. SHEDD	DRAWN BY: W. GORDON
DESIGNED BY: N. LEMAY	CHECKED BY: P. SHEDD
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