

GENERAL NOTES

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ALL LIQUID ASPHALT USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND SPECIAL PROVISIONS.

2. ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH) SHALL BE APPLIED ON ALL COLD PLANED SURFACES AT A RATE OF 0.080 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER. SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH) SHALL BE APPLIED BETWEEN PAVED SURFACES AT A RATE OF 0.025 TO 0.040 GAL/SY.

3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).

4. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL- DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT ALL APPROACHES AS DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS OR CATCH BASINS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THESE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT. IN AREAS OF RUTTING, THE COLD PLANE DEPTH SHOULD BE MEASURED FROM THE HIGH POINTS OF THE ROADWAY SECTION.

5. ALL DI'S AND CB'S TO BE REHABILITATED AS SHOWN ON THE PLANS AND PAID FOR UNDER ITEM 604.412 OR ITEM 604.415 REHAB. DI, CB OR MH CLASS 10R II SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN. TYPE B GRATES SHALL BE USED FOR ALL REHABILITATED DI'S AND CB'S IN PAVEMENT ADJACENT TO BITUMINOUS CURBING, DRAINAGE STRUCTURES CALLING FOR REHAB HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.412 AND 604.415. FOR ESTIMATING PURPOSES THE DISTRIBUTION IS AS FOLLOWS: ITEM 604.412, 80%, ITEM 604.415, 20%.

6. ALL NECESSARY SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR, AND CRACK SEALING SHALL BE PERFORMED FOLLOWING COLD PLANING AND PRIOR TO PAVING. ALL CRACKS GREATER THAN 0.10" AND UP TO 1.0" IN WIDTH SHALL BE SEALED USING THE 'BLOW AND GO' METHOD. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE PAID UNDER ITEM 417.20 BITUMINOUS CRACK SEALING, 'BLOW AND GO' METHOD (AASHTO M 324 (ASTM D 6690) TYPE II). THE PATCHING OF ALL CRACKS GREATER THAN 1.0" AND ALL OTHER PATCHING 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). ALL BRIDGE DECKS WITHIN THE PROJECT LIMITS SHALL ALSO RECEIVE CRACK SEALING AND RELATED SURFACE PREPARATION PRIOR TO PAVING. ESTIMATED QUANTITIES FOR THESE ITEMS HAVE BEEN INCLUDED TO COVER ALL COSTS ASSOCIATED WITH THIS WORK.

7. THE CONTRACTOR SHALL REBUILD THE EXISTING SHOULDERS AS SHOWN ON THE TYPICAL SECTIONS. IF THE CONTRACTOR ELECTS TO COLD PLANE THE 10' SHOULDER PRIOR TO COLD PLANING THE ADJACENT TRAVEL LANE, THE BASE COURSE SHALL BE PAVED THE SAME WORKDAY. IF THE CONTRACTOR CHOOSES TO COLD PLANE 4" ON THE 10' SHOULDER IN TWO PASSES, PAYMENT FOR COLD PLANING WILL ONLY BE MADE FOR THE FIRST PASS. FINAL GRADING OF THE EXPOSED SHOULDER SUBBASE MATERIAL SHALL BE COMPLETED AS DIRECTED BY THE RESIDENT ENGINEER. AN ESTIMATED QUANTITY OF ITEM 608.15, POWER GRADER RENTAL HAS BEEN INCLUDED TO COMPLETE THIS WORK.

8. THE CONTRACTOR SHALL PAVE ALL U-TURNS LOCATED WITHIN THE PROJECT AREA AS DETAILED ON SHEET 6 OR AS DIRECTED BY THE RESIDENT ENGINEER.

9. ALL EDGES OF PAVEMENT SHALL CONFORM TO THE SAFETY EDGE DETAIL INCLUDED ON SHEET 7. ALL EDGES OF PAVEMENT AND ALL CURB AT GUARDRAIL LOCATIONS SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13, AGGREGATE SHOULDERS, RAP.

10. ALL BITUMINOUS CONCRETE PAVEMENT WORK WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS AROUND DROP INLETS) SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.

11. AREAS ADJACENT TO THE SHOULDER WHERE EXISTING GUARDRAIL IS BEING RETAINED THAT HAVE BUILT-UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 203.40 SHOULDER BERM REMOVAL.

12. AREAS ADJACENT TO THE SHOULDER WHERE NO GUARDRAIL EXISTS THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN AS DIRECTED BY THE RESIDENT ENGINEER AND SHALL BE PAID UNDER THE APPROPRIATE RENTAL ITEMS.

13. 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 FLARES. THE AMOUNT OF 25 CUBIC YARDS OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED AT EACH LOCATION TO PROVIDE FOR FLARES. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF DITCHING MATERIAL OR ITEM 651.35 TOPSOIL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ITEM 653.20 TEMPORARY EROSION MATTING, SHALL BE PLACED ON SLOPES GREATER THE 1:6 CREATED BY THE GUARDRAIL FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL FLARE.

14. 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 RESIDENT ENGINEER.

15. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES AND EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE FEATURES ON A REGULAR BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED PRIOR TO THE COMPLETION OF THE PROJECT BY THE CONTRACTOR AT NO COST TO THE STATE.

16. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT. 3'-7' OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS. IF THIS CANNOT BE OBTAINED, THEN 8' POSTS SHALL BE USED.

17. ESTIMATED QUANTITIES OF ITEM 613.10 STONE FILL, TYPE I AND ITEM 649.31 GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED TO PROVIDE FOR THE REPAIR OF WASHOUTS LOCATED ALONG THE ROADWAY SIDE SLOPES AS DIRECTED BY THE RESIDENT ENGINEER.

18. THE CONTRACTOR SHALL MAINTAIN COLD PLANE AND PAVING DEPTHS THAT DO NOT REDUCE THE CLEARANCE HEIGHTS OF THE ROADWAY AND SHOULDERS UNDER ALL OVERPASS BRIDGES. THESE HEIGHTS SHALL BE RECORDED BY THE RESIDENT ENGINEER PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RE-MEASURED AFTER PAVING OPERATIONS ARE COMPLETE. IF IT IS DETERMINED THAT A REDUCTION IN CLEAR HEIGHT HAS OCCURRED THE CONTRACTOR SHALL REESTABLISH THE ORIGINAL CLEAR HEIGHT AT NO ADDITIONAL EXPENSE TO THE STATE.

19. ASPHALTIC PLUG-TYPE JOINT SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS, (SEE BRIDGE JOINT ASPHALTIC PLUG (STRUCTURES DETAIL SD-516.10)).
ST. JOHNSBURY: BRIDGE 81N MM 128.294 37 FT PLUG JOINT

20. THE COST FOR INSTALLING AND REMOVING TEMPORARY PAVEMENT WEDGES AS DETAILED IN THE PLANS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT.
- GENERAL NOTES SHEET
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| PROJECT NAME: NEWBURY-ST. JOHNSBURY | |
| PROJECT NUMBER: IM 091-2(78) | |
| FILE NAME: /pave/06a044/pa044 | PLOT DATE: 8/5/2011 |
| PROJECT LEADER: PTS | DRAWN BY: SNG |
| DESIGNED BY: NLL | CHECKED BY: PTS |
| IPARM FILE NAME: 06A044_4 | SHEET 4 OF 33 |