

GENERAL NOTES

1. ALL CULVERT REPLACEMENTS SHALL BE PERFORMED PRIOR TO THE OTHER WORK IN THE VICINITY OF THESE CULVERTS. SEE SHEETS 29-30 & 126-127.
2. NEW DRAINAGE AND UNDERDRAIN SHALL BE KEPT FIVE FEET OR MORE FROM EXISTING UTILITY POLES. OWNERS OF THE POLES (SEE SPECIAL PROVISIONS) SHALL BE CONTACTED TO TEMPORARILY SUPPORT POLES IF EXCAVATIONS ARE LESS THAN FIVE FEET FROM EXISTING UTILITY POLES. ANY COST FOR TEMPORARY POLE SUPPORT WILL BE INCIDENTAL TO ASSOCIATED DRAINAGE AND UNDERDRAIN ITEMS.
3. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL SECTIONS 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 CONCRETE PAVEMENT. SEE DETAIL ON SHEET 9.
4. ALL COLD PLANE SURFACES SHALL HAVE SURFACE PREPARATION BEFORE PAVING CONSISTING OF POT HOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST ONE INCH IN WIDTH. THIS WILL BE PAID UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I) SEE DETAIL ON SHEET 9.
5. GRASS GROWING ADJACENT TO 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 INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER).
6. EMULSIFIED ASPHALT (OPTION ITEMS) SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES. ALL COLD PLANED SURFACES SHALL HAVE AN APPLICATION RATE OF 0.08 GAL/SY. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL OTHER PAVED SURFACES AT THE RATE OF 0.025 TO 0.040 GAL/SY.
7. THE WEARING COURSE SHALL BE ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER) TYPE IIIS. THE LEVELING COURSE SHALL BE ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER) TYPE IVS.
8. ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER) TOLERANCE = +/- 1/4 INCH. (TOTAL THICKNESS)
9. EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE ENGINEER. SEE VTRANS HIGHWAY SAFETY & DESIGN DETAIL HSD-400.01 SAFETY EDGE DETAILS.
10. 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 VTRANS 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, THE RECOMMENDED REPAIRS SHALL BE COMPLETED AT NO COST TO THE STATE.
11. ALL RESIDENTIAL AND COMMERCIAL DRIVES SHALL RECEIVE A FOUR FOOT PAVED APRON, AND ALL FIELD DRIVES SHALL RECEIVE A TWO FOOT PAVED APRON. ALL RAIL TRAIL APPROACHES SHALL RECEIVE AN OVERLAY AS DETAILED ON SHEET 21. PAYMENT WILL BE MADE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE ENGINEER (FOR DETAILS, SEE SHEET 21). ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER).
12. AGGREGATE SHOULDERS (OPTION ITEMS) SHALL BE USED TO BACK UP EDGES OF PAVEMENT, EXCEPT IN LAWN AREAS WHERE ITEM 651.35 TOPSOIL SHALL BE USED.
13. AN ESTIMATED QUANTITY OF ITEM 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I HAS BEEN INCLUDED FOR THE EXCAVATION OF UNPAVED SHOULDERS AND REMOVING BUILT UP, SAND, ETC. ADJACENT TO THE SHOULDERS IN NON GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.

GENERAL NOTES (CONT.)

14. ALL WORK SHALL BE PERFORMED WITHIN THE STATE RIGHT OF WAY AND CURRENT EASEMENTS.
15. A 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH SIX FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN EIGHT FOOT POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 900.640 SPECIAL PROVISION (GREGORY MINISPACE GUARDRAIL) (W/8 FEET POSTS), OR 900.640 SPECIAL PROVISION (NON-BLOCKED MIDWEST GUARDRAIL SYSTEM) (W/8 FEET POSTS).
16. ESTIMATED QUANTITIES OF ITEMS 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 FLARES WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END TERMINAL FLARE AREA. THE AMOUNT OF 25 CUBIC YARDS OF EARTH BORROW HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END TERMINAL FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END TERMINAL FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END TERMINAL FLARE TO BE USED AS DIRECTED BY THE ENGINEER. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOP SOILED AND SEEDED USING ITEM 651.35, TOPSOIL AND ITEM 651.15 SEED.
17. QUANTITIES FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II AND ITEM 604.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III HAVE BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
18. ALL D/S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.412, 604.415 AND 604.418 FOR ESTIMATING PURPOSES.
19. DAMAGE INFLICTED BY THE CONTRACTOR TO ANY DROP INLETS, CROSS CULVERTS OR OTHER DRAINAGE FEATURES IS THE LIABILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
20. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS, UNDERDRAIN OUTLETS, AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER.
21. ITEM 613.10 STONE FILL, TYPE I, ITEM 651.40 GRUBBING MATERIAL (6"), ITEM 653.20 TEMPORARY EROSION MATTING, AND ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I HAVE BEEN INCLUDED FOR WASHOUTS LOCATED ALONG THE ROADWAY SIDE SLOPES AS DIRECTED BY THE ENGINEER.
22. A QUANTITY HAS BEEN INCLUDED FOR ITEM 617.10 RELOCATE MAILBOX, SINGLE SUPPORT TO BE USED AS DETERMINED BY THE ENGINEER.
23. WHEN FINISHED GRADE HAS BEEN MET, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS BEING RETAINED ARE IN CONFORMANCE WITH VTRANS STANDARDS E-121 & T-56 AS DIRECTED BY THE ENGINEER. PAYMENT MADE UNDER ITEMS 675.341, 675.50 AND 675.60.
24. EXISTING UNDERGROUND AND AERIAL FACILITIES ARE LOCATED THROUGHOUT THE PROJECT AREA. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL CONTACT THE OWNERS OF THOSE FACILITIES FOR VERIFICATION. OWNERSHIP OF THESE FACILITIES INCLUDES OPERATIONAL UTILITY COMPANIES, MUNICIPALITIES AND INDIVIDUAL PROPERTY OWNERS. THE CONTRACTOR IS CAUTIONED TO PROTECT THESE FACILITIES FROM DAMAGE.
25. A QUANTITY HAS BEEN ESTIMATED FOR ITEM 201.31 THINNING AND TRIMMING FOR SIGNS AS DETAILED ON SHEET 19.
26. A QUANTITY OF ITEM 601.995 CLEANING CULV. PIPE, IN-PLACE (0 TO 24 IN., INCL) HAS BEEN INCLUDED TO BE USED AT LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

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PROJECT LEADER:	G. EDWARDS
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GENERAL NOTES SHEET	
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SHEET	5 OF 222

