

## NOTES

1. THE WEARING COURSE SHALL BE TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE BASE COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
2. EMULSIFIED ASPHALT, TYPE RS-I, SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT (NOT INCLUDING RECLAIMED SURFACES) AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER. EMULSIFIED ASPHALT, TYPE RS-I, SHALL BE APPLIED TO THE FINE GRADED RECLAIMED SURFACE FOR THE PURPOSE OF DUST CONTROL AT A RATE OF 0.10 TO 0.15 GAL/SY. QUANTITIES OF EMULSIFIED ASPHALT TO BE USED FOR DUST CONTROL HAVE BEEN ESTIMATED AT 0.125 GAL/SY. PAYMENT WILL BE UNDER ITEM 404.65, EMULSIFIED ASPHALT.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. THE PORTLAND CEMENT STABILIZED COLD MIX SHALL BE PRODUCED FROM THE COLD PLANE GRINDINGS GENERATED FROM THE PROJECT AND PAID FOR UNDER ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT), IF THERE IS NOT A SUFFICIENT AMOUNT OF COLD PLANE GRINDINGS AVAILABLE TO PRODUCE THE 4" LIFT OF PORTLAND CEMENT STABILIZED COLD MIX, THE CONTRACTOR SHALL OBTAIN COLD PLANE GRINDINGS FROM ANOTHER SOURCE. THE COST ASSOCIATED WITH PROVIDING ADDITIONAL COLD PLANE GRINDINGS SHALL BE INCIDENTAL TO ITEM 900.675. ALL COLD PLANING PERFORMED WITHIN THE LIMITS OF THE PORTLAND CEMENT STABILIZED BASE SHALL BE CONSIDERED INCIDENTAL TO ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT). AN ESTIMATED QUANTITY OF ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING) AT A QUANTITY OF 2% OF (PORTLAND CEMENT FOR COLD MIXED RECYCLING), HAS BEEN INCLUDED.
5. ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX SHALL BE USED AS A LIQUID BINDER IN THE PORTLAND CEMENT STABILIZED COLD MIX AS DIRECTED BY THE RESIDENT ENGINEER. AN ESTIMATED QUANTITY OF EMULSIFIED ASPHALT AT A RATE OF 2.0 GAL/SY HAS BEEN INCLUDED IN THE PLANS.
6. PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF RECLAIMING OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.40 SUBBASE, RAP. AN ADDITIONAL QUANTITY OF ITEM 301.40 SUBBASE, RAP HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION. AN ESTIMATED THICKNESS OF 2" HAS BEEN INCLUDED FOR THE ENTIRE RECLAIMED SURFACE AREA. IF THERE IS NOT A SUFFICIENT AMOUNT OF COLD PLANE GRINDINGS AVAILABLE TO COMPLETE THESE REPAIRS, THE CONTRACTOR SHALL OBTAIN COLD PLANE GRINDINGS FROM ANOTHER SOURCE. THE COST ASSOCIATED WITH PROVIDING ADDITIONAL COLD PLANE GRINDINGS SHALL BE INCIDENTAL TO ITEM 301.40 SUBBASE, RAP.
7. PRIOR TO PAVING IN COLD PLANE AREAS, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL PURPOSE EXCAVATOR RENTAL, TYPE I. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AREA AS DIRECTED BY THE RESIDENT ENGINEER.
8. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. A FULL-DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE BEGINNING OF THE PROJECT AND AT ALL SIDE ROAD APPROACHES AS DENOTED ON THE PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
9. ALL EDGES OF PAVEMENT WITHIN THE COLD PLANE SECTION SHALL BE BACKED UP TO FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13 AGGREGATE SHOULDERS, RAP. ADDITIONAL MATERIAL REQUIRED AFTER THE COLD PLANE GRINDINGS HAVE BEEN USED WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.
10. A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS I HAS BEEN INCLUDED IN THE QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER. ALL D'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
11. DITCHING MATERIAL OR EARTH BORROW SHALL BE USED FOR THE CONSTRUCTION OF MANUFACTURED TERMINAL FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDER, RAP AS DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER MATERIAL AND 25 CUBIC YARDS OF DITCHING MATERIAL OR EARTH BORROW FOR EACH GUARDRAIL TERMINAL.
12. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 3' OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS. IF THIS CANNOT BE OBTAINED, THEN 8' POSTS SHALL BE USED.
13. ALL DRIVES, MAILBOX TURNOUTS AND GRAVEL PULLOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION OR GRADING IN DRIVE AREAS SHALL BE AS DIRECTED AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. A BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28). ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
14. ITEM 609.10 DUST CONTROL WITH WATER IS AN ESTIMATED QUANTITY TO BE USED AS DUST CONTROL ALONG THE RECLAIMED SECTION. ITEM 609.15 DUST AND ICE CONTROL WITH CALCIUM CHLORIDE IS AN ESTIMATED QUANTITY TO BE USED ON SIDE ROAD APPROACHES WHICH WILL BE PAVED.
15. STABILIZING AGENT FOR THE RECLAIMED STABILIZED BASE WILL BE WATER. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 310.20 RECLAIMED STABILIZED BASE.
16. 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.
17. ESTIMATED QUANTITIES OF ITEM 613.10 STONE FILL, TYPE I; ITEM 649.31 GEOTEXTILE UNDER STONE FILL; AND ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I HAVE BEEN INCLUDED TO PROVIDE FOR REPAIR OF EXISTING STONE LINED DRAINAGE OUTLETS OR WASHOUTS LOCATED ALONG THE ROADWAY SIDE SLOPES AS DIRECTED BY THE RESIDENT ENGINEER.
18. PIPE INLET AND OUTLET AREAS OF DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE RENTAL ITEM(S).
19. AN ESTIMATED THICKNESS OF 2" OF IEM 301.40 SUBBASE, RAP HAS BEEN INCLUDED FOR THE PROVISION OF IMPROVING GRADATION DEFICIENCIES AND/OR CORRECTING SUPERELEVATION, AS NECESSARY, OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS MATERIAL SHALL BE RECLAIMED INTO THE RECLAIMED STABILIZED BASE. PAYMENT FOR THIS SECOND OPERATION WILL BE OPERATION WILL BE INCIDENTAL TO ITEM 301.40 SUBBASE, RAP.

## INDEX OF SHEETS

1	TITLE SHEET
2	INDEX OF SHEETS
3	PROJECT TYPICAL SHEET
4-5	PAVING DETAILS SHEETS
6-7	QUANTITY SHEETS
8-10	ITEM DETAIL SUMMARY SHEETS
11	DITCH CLEANING DETAIL SHEET
12-36	PROJECT LAYOUT SHEETS
37	TH-23/TH-114 INTERSECTION DETAIL SHEET
38	TH-3/TH-81 INTERSECTION DETAIL SHEET
39-47	SUPERELEVATION BANKING DIAGRAMS SHEETS
48-72	TRAFFIC SIGN SUMMARY SHEETS
73-74	TRAFFIC SIGN DETAIL SHEETS
75-78	BRIDGE DETAIL SHEETS
79	MISCELLANEOUS DETAILS SHEET
80	CONSTRUCTION APPROACH SIGNING DETAIL SHEET

## INDEX OF SHEETS

### VAOT STANDARDS

C-1	01-03-00
D-6	06-01-94
D-9	06-01-94
D-11	06-01-94
D-15	06-01-94
E-100	01-02-04
E-101	05-30-03
E-102	06-30-03
E-102A	05-01-04
E-106	03-01-04
E-107A	08-08-95
E-110	08-08-95
E-111	03-11-97
E-121	08-08-95
E-124	08-08-95
E-125	08-08-95
E-131B	05-30-03
E-134	08-08-95
E-138	05-30-03
E-140	08-30-96
E-141	09-20-95
E-142	09-20-95
E-143	06-15-04
E-145A	12-23-94
E-151	05-01-04
E-152	05-01-04
E-153	05-01-04
E-154	05-01-04
E-155	05-01-04
E-160	05-20-99
E-164	05-20-99
E-191	02-01-99
E-192	10-12-00
E-193	08-18-95
E-198	04-01-05
G-1	01-03-00
G-1D	01-03-00
G-19	11-15-02
SB-R6-82	01-06-95

## INDEX OF SHEETS

PROJECT NAME: BRIDGEWATER\_-\_WOODSTOCK  
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FILE NAME: <u>p06b160.dgn_</u>	PLOT DATE: <u>28-MAY-2010</u>
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DESIGNED BY: <u>D.W.E.</u>	CHECKED BY: <u>D.E.G.</u>
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