

NOTES:

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. LEVELING HAS BEEN INCLUDED TO RESHAPE THE ROADWAY PRIOR TO PAVING THE TOP COURSE ALONG THE ENTIRE PROJECT. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SECTION 490.
2. COLD PLANED SURFACES SHALL HAVE SURFACE PREPARATION BEFORE THE LEVELING COURSE IS PLACED. SURFACE PREPARATION SHALL CONSIST OF POT HOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST 1" IN WIDTH. REFER TO SHEET I42 FOR POT HOLE REPAIR DETAIL. PAYMENT WILL BE UNDER ITEM 900.680 "SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE SEPARATION, TYPE I)". COLD PLANED SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ. YD. OF CRS-IH OR RS-IH. TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. OF CRS-IH OR RS-IH. PAYMENT WILL BE UNDER ITEM 900.683 "SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH)".
3. EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON SHEET I41.
4. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
5. 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, WHERE THE PROJECT STOPS AND RESUMES, AT THE END OF THE PROJECT AND ALL SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON SHEET 5. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY. IT SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 "COLD PLANING BITUMINOUS PAVEMENT".
6. A QUANTITY FOR ITEM 604.412, "REHAB DI, CB OR MH CLASS I", ITEM 604.415, "REHAB DI, CB OR MH CLASS II" AND ITEM 604.40, "CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES" HAS BEEN INCLUDED IN THE QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES CALLING FOR REHAB HAVE BEEN DISTRIBUTED AS FOLLOWS: 80% AS ITEM 604.412 AND 20% AS 604.415 FOR ESTIMATING PURPOSES.
7. ESTIMATED QUANTITIES OF ITEM 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I", 608.37, "TRUCK RENTAL", AND 608.40, "LOADER RENTAL, TYPE I" HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL AND THE REMOVAL OF BUILT UP EXCESS SHOULDER MATERIAL. 25 CY OF ITEM 203.30, "EARTH BORROW" HAS BEEN ESTIMATED FOR EACH NEW END SECTION. GUARDRAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF ITEM 651.35, "TOPSOIL" UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. QUANTITIES INCLUDED REFLECT 5 CY OF ITEM 651.35, "TOPSOIL" FOR EACH NEW GUARDRAIL END SECTION. ITEM 653.20, "TEMPORARY EROSION MATTING" SHALL BE PLACED ON SLOPES GREATER THAN 1:6 CREATED BY THE GUARDRAIL END SECTIONS. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, "TEMPORARY EROSION MATTING" FOR EACH NEW GUARDRAIL END SECTION. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED AND SEEDED USING ITEM 651.35, "TOPSOIL" AND ITEM 651.15, "SEED".
8. BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS SIDEROAD APPROACHES AND AROUND DRAINAGE AND UTILITY STRUCTURES) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT".
9. ALL EDGES IN THE LEVEL/OVERLAY SECTION SHALL BE BACKED UP TO FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID UNDER ITEM 402.13 "AGGREGATE SHOULDERS, RAP".
10. SIDEWALK RAMPS ARE TO BE REMOVED AND REPLACED WHERE SHOWN ON THE PROJECT LAYOUT SHEETS. AN ESTIMATED QUANTITY OF ITEM 203.15, "COMMON EXCAVATION", ITEM 301.28, "SUBBASE OF CRUSHED GRAVEL, FINE GRADED", ITEM 616.28 "CAST-IN-PLACE CONCRETE CURB, TYPE B", ITEM 616.40 "REMOVING AND RESETTING CURB", ITEM 618.10 "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH", AND ITEM 618.30 "DETECTABLE WARNING SURFACE" HAVE BEEN INCLUDED FOR REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, CURBING AND SUBBASE MATERIAL FOR EACH RAMP. SEE SHEET I41 FOR SIDEWALK RAMP PAY LIMIT DETAILS.
11. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30, "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT".
12. ESTIMATED QUANTITIES OF SEED, FERTILIZER, AGRICULTURAL LIMESTONE, TOPSOIL, AND TEMPORARY EROSION MATTING HAVE BEEN ESTIMATED FOR AREAS DISTURBED BY THE REMOVAL AND RECONSTRUCTION OF PEDESTRIAN RAMPS.
13. DETECTABLE WARNING SURFACES SHALL BE YELLOW STAINLESS STEEL THROUGH THE TOWNS OF BETHEL AND RANDOLPH. THE TOWN OF NORTHFIELD SHALL RECEIVE CAST IRON DETECTABLE WARNING SURFACES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE.
15. SIGN LOCATIONS ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD.
16. WHERE CONCRETE SIDEWALKS ARE ADJACENT TO THE ROADWAY AND TERMINATE AT DRIVES THE DRIVE APRON SHALL EXTEND TO THE BACK EDGE OF SIDEWALK. WHERE BITUMINOUS CONCRETE SIDEWALKS RUN THROUGH DRIVEWAYS ADJACENT TO THE ROADWAY, DRIVE APRONS WILL BE OMITTED UNLESS THE SIDEWALK CROSSING THE DRIVE IS IN POOR CONDITION OR AS DIRECTED BY THE ENGINEER. ALL OTHER DRIVE APRONS SHALL BE FOUR FEET WIDE OR AS DIRECTED BY THE RESIDENT ENGINEER.

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT A RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT NOTES SHEET

PROJECT NAME: BETHEL - RANDOLPH - NORTHFIELD
PROJECT NUMBER: STP 2922 (I)

FILE NAME: p10C246.dgn	PLOT DATE: 1/3/13
PROJECT LEADER: CDL	DRAWN BY: JBG
DESIGNED BY: SJL	CHECKED BY: CDL
PLOT FILE: p10C246_3.i	SHEET 3 OF 149