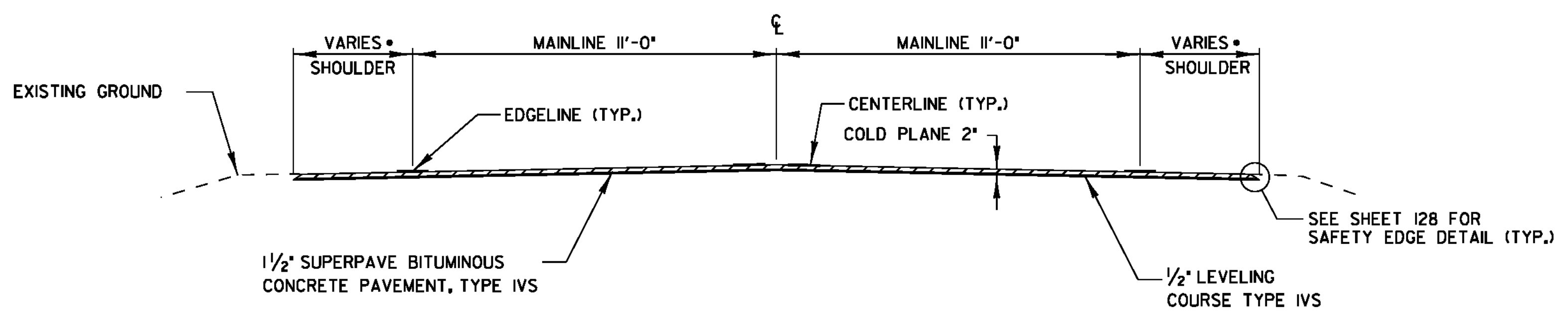


COLD PLANE AND OVERLAY TYPICAL SECTION

NEWPORT
STA. 126+45.60 - STA. 143+25.00



COLD PLANE AND OVERLAY TYPICAL SECTION

NEWPORT
STA. 143+25.00 - STA. 146+00.00

*SEE PROJECT PAVING LIMITS TABLE, SHEET 5

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 ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- FERTILIZER ITEM 651.18: 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 ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.
- TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOTES:

- 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 THE SECTION 490 GENERAL SPECIAL PROVISIONS.
- EMULSIFIED ASPHALT TYPE CRS-IH OR RS-IH SHALL BE APPLIED AS A TACK COAT IN BETWEEN ALL BITUMINOUS PAVEMENT COURSES (WHERE APPLICABLE) AT THE RATE OF 0.025 TO 0.04 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER ITEM 900.683, "SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH)".
- COLD PLANE SURFACES WITHIN THE MILL AND FILL SECTION SHALL HAVE SURFACE PREP BEFORE THE LEVELING COURSE IS LAID. SURFACE PREP SHALL CONSIST OF POTHOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST 1" IN WIDTH. COLD PLANED SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ.YD. OF CRS-IH OR RS-IH. PAYMENT WILL BE UNDER SPECIAL PROVISION ITEM 900.683, "EMULSIFIED ASPHALT".
- FOR THE PURPOSES OF QUANTITY CALCULATION IT HAS BEEN ASSUMED ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) WILL REQUIRE 4% BY WEIGHT OF ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX. FOR THE SAME PURPOSE IT HAS ALSO BEEN ASSUMED 1% BY WEIGHT OF PORTLAND CEMENT WILL BE REQUIRED BY MIX DESIGN. IF ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX IS SPECIFIED IN THE MIX DESIGN AS A CATIONIC EMULSION AND USED IN THE PRODUCTION OF ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) THEN CRS-IH SHALL BE USED FOR TACK BETWEEN SUCCESSIVE LAYERS OF COLD MIX BASE COURSE AND PRIOR TO PLACEMENT OF THE TYPE IV LEVELING COURSE. AN APPLICATION RATE OF 0.040 TO 0.060 GAL/SY SHALL BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING). SUBBASE OF CRUSHED GRAVEL, FINE GRADED TOLERANCE = +/- 1 INCH (TOTAL SUBBASE THICKNESS)
- PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE 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 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED". AN ADDITIONAL QUANTITY OF 301.40 "SUBBASE, RAP" HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION. IF THERE IS NOT SUFFICIENT AMOUNT OF COLD PLANE GRINDINGS AVAILABLE TO COMPLETE THESE REPAIRS, THE CONTRACTOR SHALL OBTAIN ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED". THE COST ASSOCIATED WITH PROVIDING ADDITIONAL SUBBASE OF CRUSHED GRAVEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED". THIS WORK IS TO BE PERFORMED ON ALL TYPICAL SECTIONS EXCEPT RECLAIMED STABILIZED BASE TYPICAL SECTION (CONCRETE SLAB REPLACEMENT).
- COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. COLD PLANING THROUGH THE MILL/FILL AND RECLAIM STABILIZED SECTION SHALL BE PAID UNDER ITEM 210.10 "COLD PLANING BITUMINOUS PAVEMENT. COLD PLANING THROUGH THE CONCRETE SLAB REPLACEMENT SECTION WILL BE PAID UNDER ITEM 900.675 SPECIAL PROVISION (COLD PLANING BITUMINOUS PAVEMENT). A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE BEGINNING AND END OF THE PROJECT AND ALL PAVED SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY. IT SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 "COLD PLANING BITUMINOUS PAVEMENT".
- ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A PAVED APRON OF 4' AND ALL FIELD DRIVES SHALL RECEIVE A 2' PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT 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)".
- 3' - 7' OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 621.20 "STEEL BEAM GUARDRAIL, GALVANIZED" AND ITEM 621.205 "STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS".
- QUANTITIES FOR ITEM 604.412, "REHAB DI, CB OR MH CLASS I", ITEM 604.415, "REHAB DI, CB OR MH CLASS II" AND ITEM 604.42, "CHANGING ELEVATION OF SEWER MANHOLES" HAVE 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 BETWEEN ITEMS 604.412 AND 604.415 AS FOLLOWS: 80% 604.412, 20% 604.415 FOR ESTIMATING PURPOSES.
- ALL EDGES OF PAVEMENT WITHIN THE PROJECT LIMITS SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDERS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 "AGGREGATE SHOULDERS".
- ESTIMATED QUANTITIES OF ITEMS 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. AN ESTIMATED QUANTITY OF ITEM 203.30, "EARTH BORROW" HAS BEEN INCLUDED FOR USE WITH THE GUARDRAIL END SECTIONS. GUARDRAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF ITEM 402.12, "AGGREGATE SHOULDERS" UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF ITEM 402.12, "AGGREGATE SHOULDERS" 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".
- STABILIZING AGENT FOR THE RECLAIMED STABILIZED BASE WILL BE PORTLAND CEMENT. PAYMENT WILL BE MADE UNDER ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION).
- ESTIMATED QUANTITIES FOR ITEM 619.17 "YIELDING MARKER POSTS" HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS, FLUSHING BASINS AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACES OR AS DIRECTED BY THE RESIDENT ENGINEER.
- IN AREAS WHERE A UTILITY POLE OR SIMILAR OBJECT IS LOCATED WITHIN 4 FEET BEHIND GUARDRAIL, A REDUCED POST SPACING SHALL BE USED. THE REDUCED SPACING IS DETAILED ON MISCELLANEOUS DETAIL SHEET 2.
- ITEM 609.10 "DUST CONTROL WITH WATER" HAS BEEN ESTIMATED AT A RATE OF 700 MGAL/MILE. THIS ITEM IS TO BE USED THROUGH THE CONCRETE SLAB REMOVAL SECTION ON THE SUBBASE OF GRAVEL, FINE GRADED PRIOR TO RECLAIMING. ONCE RECLAIMING BEGINS, ALL DUST CONTROL IS INCIDENTAL TO ITEM 301.20 "RECLAIMED STABILIZED BASE" AND ITEM 900.675 "SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT)".
- DURABLE PAVEMENT MARKINGS ARE OPTIONED FOR THIS PROJECT. THE CONTRACTOR SHALL BID THE SAME MARKING MATERIAL FOR ALL OPTION ITEMS.

PROJECT TYPICAL SHEET 1	PROJECT NAME: NEWPORT-COVENTRY-NEWPORT
	PROJECT NUMBER: STP 2802(1)
	FILE NAME: 08b158.dgn
	PLOT DATE: 8/3/2011
PROJECT LEADER: CDL	DRAWN BY: SJL
DESIGNED BY: CDL	CHECKED BY: EPD
PLOT FILE: 08b158-3.1	SHEET 3 OF 134

DETAILS ARE NOT TO SCALE