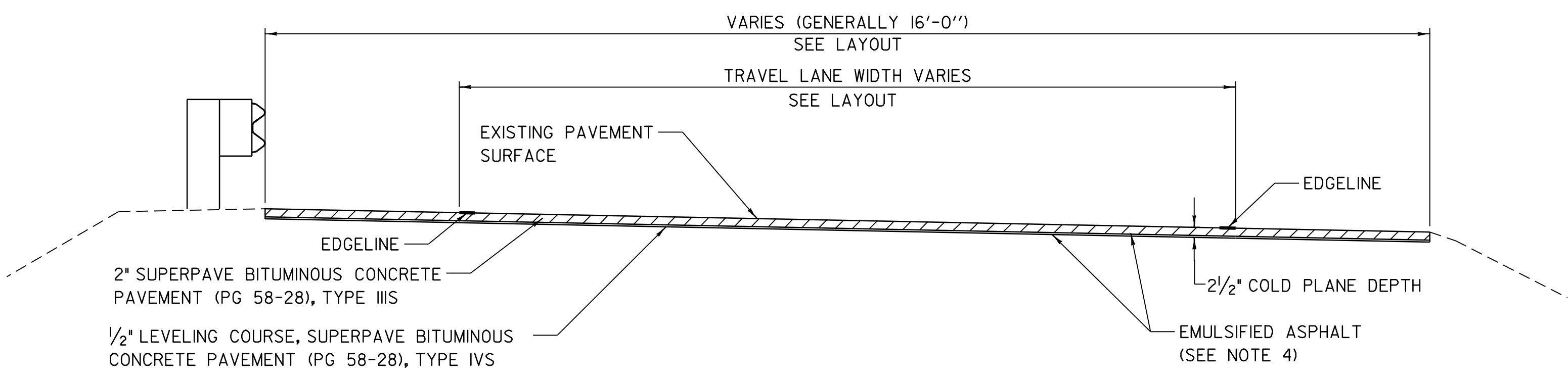


MAINLINE TYPICAL SECTION



RAMP TYPICAL SECTION

**SEEDING FORMULA
RURAL AREAS**

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

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 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 ENGINEER.
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

TYPICAL SECTION NOTE:

- I. SEE TYPICAL SECTION AT GUARDRAIL ON SHEET 4 FOR TREATMENT IN AREAS OF BITUMINOUS CONCRETE OR TIMBER TREATED CURB.

NOTES:

- 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 THE PROJECT BEGINNING/END AND AT ALL RAMP APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- EXISTING SHOULDER MATERIAL WILL BE COLD PLANED TO A DEPTH OF 3 1/2 INCH +/- OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL BE REUSED AS AGGREGATE SHOULDERS (MOD.) OR BE REMOVED FROM THE PROJECT AREA, AS DIRECTED BY THE RESIDENT ENGINEER.
- 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.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT A RATE OF 0.025 GAL / SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE WEARING COURSE SHALL BE TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE AND THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12, "AGGREGATE SHOULDERS (MOD.)".
- ITEM 604.412 IS AN ESTIMATED QUANTITY AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S AND CB'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- ESTIMATED QUANTITIES OF ITEM 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I", AND 608.37, "TRUCK RENTAL", HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARD RAIL END SECTIONS WITH EARTH BORROW. THE GUARD RAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3-INCH DEPTH OF AGGREGATE SHOULDERS (MOD.) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDERS (MOD.) FOR EACH GUARD RAIL TERMINAL AND 25 CY OF EARTH BORROW.
- COMPACTION, GRADING AND CLEANUP OF ITEM 402.12 "AGGREGATE SHOULDERS (MOD.)" AND ITEM 651.35 "TOPSOIL" ARE TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.
- EXISTING WEIGH-IN-MOTION (WIM) SYSTEMS ARE PRESENT AT MILEMARKER 8.75 (APPROXIMATE STA. 462+00) AND MILEMARKER 11.5 (APPROXIMATE STA. 607+20). DETAILS ON WORK AT LOCATIONS OF WIM SYSTEMS ARE GIVEN IN THE SPECIAL PROVISIONS FOR THIS PROJECT.
- ITEM 203.99, "SHOULDER BERM REMOVAL", IS AN ESTIMATED QUANTITY TO BE USED IN NECESSARY LOCATIONS, OR AS DIRECTED BY THE RESIDENT ENGINEER. THE PLAN QUANTITY REPRESENTS BERM REMOVAL FOR 80% OF THE RETAINED GUARDRAIL LENGTH.

TYPICAL SECTIONS SHEET 1	PROJECT NAME: ESSEX	PLOT DATE: 23-APR-2009 15:4
	PROJECT NUMBER: NH 2403 (1)S	DRAWN BY: SJB, RHB
	FILE NAME: pave/04b032/p04b032.dgn	CHECKED BY: EPD
	PROJECT LEADER: EPD	SHEET 3 OF 48
DESIGNED BY: JDA		
PLOT FILE: p04b032+typ1.l		