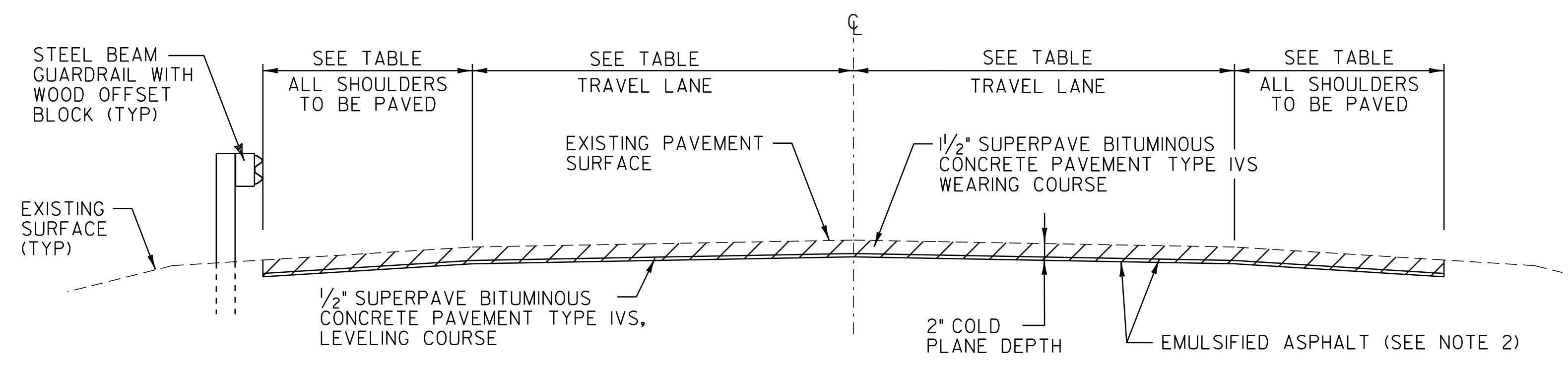


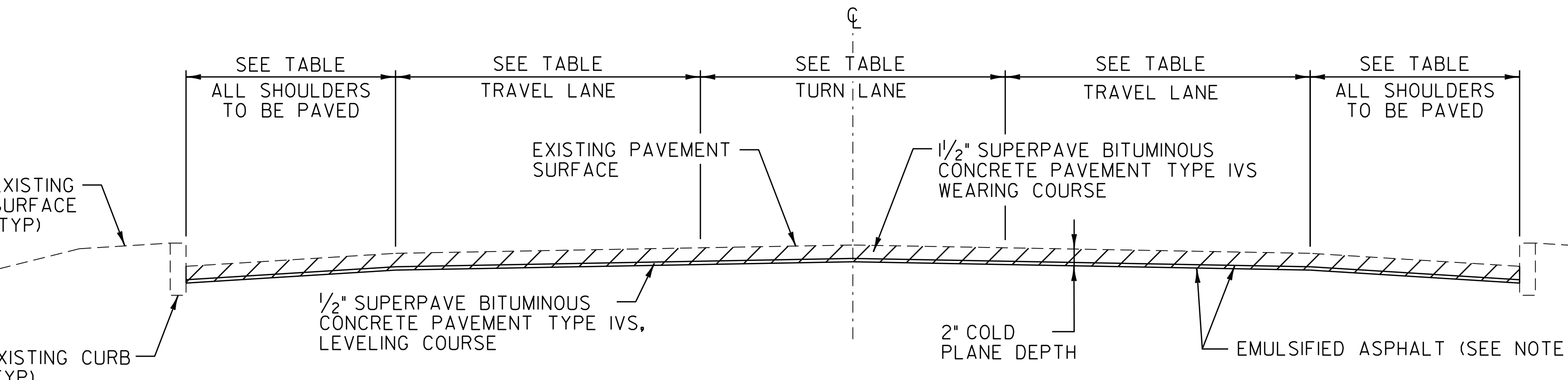
**NOTES**

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. COLD PLANING SHALL BE COMPLETED AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
5. ALL EDGES OF PAVEMENT AND TREATED TIMBER CURB 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.
6. 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 SECTION FLARES. AN ESTIMATED QUANTITY OF 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE. 25 CUBIC YARDS OF EARTH MATERIAL HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE AREA. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON SLOPES GREATER THAN 1-6 CREATED BY THE GUARDRAIL END SECTION FLARES. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE.
7. 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. AN ESTIMATED QUANTITY OF 621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS HAS BEEN INCLUDED IN THE CASE THAT 8' POSTS ARE REQUIRED OR AS DIRECTED BY THE RESIDENT ENGINEER.
8. SOME BITUMINOUS CONCRETE PAVEMENT WORK, WHICH WOULD INCLUDE DRIVES, AND SOME SIDE ROADS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 900.675, SPECIAL PROVISION (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
9. 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.
10. 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 ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I OR ITEM 608.15 POWER GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
11. PIPE INLET AND OUTLET AREAS AND AREAS OF DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS SPECIFIED ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT SHALL BE MADE UNDER APPLICABLE RENTAL ITEM(S).
12. 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.



**COLD PLANE TYPICAL SECTION**

VT. ROUTE 4A	FAIR HAVEN	STA 2+15.00	TO FAIR HAVEN	STA 49+36.80
VT. ROUTE 4A	FAIR HAVEN	STA 130+36.32	TO FAIR HAVEN	STA 171+75.84
VT. ROUTE 4A	CASTLETON	STA 0+00.00	TO CASTLETON	STA 90+35.00
VT. ROUTE 4A	CASTLETON	STA 99+20.00	TO CASTLETON	STA 145+83.36
VT. ROUTE 4A	FAIR HAVEN HIGHWAY	STA 0+58.08	TO FAIR HAVEN HIGHWAY	STA 31+57.44



**COLD PLANE TYPICAL SECTION**

VT. ROUTE 4A CASTLETON STA 90+35.00 TO CASTLETON STA 99+20.00

**PROJECT PAVING LIMITS**

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
<b>FAIR HAVEN:</b>						
VT. ROUTE 4A	2+15.00	5+75.00	VARIES - SEE LAYOUT	1 1/2"	66	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	5+75.00	10+65.00	9'-0" - 15'-0" - 15'-0" - 9'-0"	1 1/2"	60	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	10+65.00	49+36.80	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	351	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	130+36.32	171+75.84	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	376	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
<b>CASTLETON:</b>						
VT. ROUTE 4A	0+00.00	26+50.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	313	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	26+50.00	26+85.00	11'-0" - 11'-0" - 11'-0" - 12'-0"	1 1/4"	-	BR 3 COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS
VT. ROUTE 4A	26+85.00	31+50.00	VARIES - SEE LAYOUT	1 1/2"	49	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	31+50.00	73+90.00	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	389	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	73+90.00	90+35.00	7'-0" - 11'-0" - 11'-0" - 4'-0"	1 1/2"	184	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	90+35.00	99+20.00	VARIES - SEE LAYOUT	1 1/2"	97	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	99+20.00	107+75.00	4'-0" - 11'-0" - 11'-0" - 4'-0"	1 1/2"	90	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	107+75.00	116+68.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1 1/2"	114	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	116+68.00	117+94.00	3'-0" - 12'-0" - 12'-0" - 3'-0"	1 1/4"	-	BR 4 COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS
VT. ROUTE 4A	117+94.00	118+60.00	3'-0" - 12'-0" - 12'-0" - 3'-0"	1 1/2"	7	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	118+60.00	132+40.00	8'-0" - 12'-0" - 12'-0" - 8'-0"	1 1/2"	157	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
VT. ROUTE 4A	132+40.00	145+83.36	3'-0" - 12'-0" - 12'-0" - 3'-0"	1 1/2"	145	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
<b>FAIR HAVEN HIGHWAY:</b>						
DUTTON AVE	0+58.08	18+60.00	10'-0" - 12'-0" - 12'-0" - 10'-0"	1 1/2"	254	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
DUTTON AVE	18+60.00	19+15.00	4'-0" - 12'-0" - 12'-0" - 4'-0"	1 1/2"	6	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
DUTTON AVE	19+15.00	20+86.00	4'-0" - 12'-0" - 12'-0" - 4'-0"	1 1/4"	-	BR 1 COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS
DUTTON AVE	20+86.00	22+64.00	4'-0" - 12'-0" - 12'-0" - 4'-0"	1 1/2"	18	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
DUTTON AVE	22+64.00	24+32.00	4'-0" - 12'-0" - 12'-0" - 4'-0"	1 1/4"	-	BR 2 COLD PLANE 1 1/4" & PAVE 1 1/4" TYPE IVS
DUTTON AVE	24+32.00	27+15.00	4'-0" - 12'-0" - 12'-0" - 4'-0"	1 1/2"	31	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
DUTTON AVE	27+15.00	31+5.00	6'-0" - 12'-0" - 12'-0" - 6'-0"	1 1/2"	45	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS
DUTTON AVE	31+5.00	31+57.44	2'-0" - 12'-0" - 12'-0" - 2'-0"	1 1/2"	4	COLD PLANE 2", LEVEL 1/2" TYPE IVS & PAVE 1/2" TYPE IVS

**CONSERVATION SEED MIX**

RURAL AREA - SEED MIXTURE				
% 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			

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

SEED:  
TO BE APPLIED PER SEEDING FORMULA 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.

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

**NOT TO SCALE**

<b>PROJECT TYPICAL SHEET</b>	PROJECT NAME: FAIR HAVEN - CASTLETON
	PROJECT NUMBER: STP HES 2614(1)S
	FILE NAME: p06c058.dgn
	PLOT DATE: 22-FEB-2012 12:4
	DRAWN BY: C.A.K.
	CHECKED BY: D.E.G.
	IPARM FILE: p06c058pts.i
	SHEET 13 OF 157