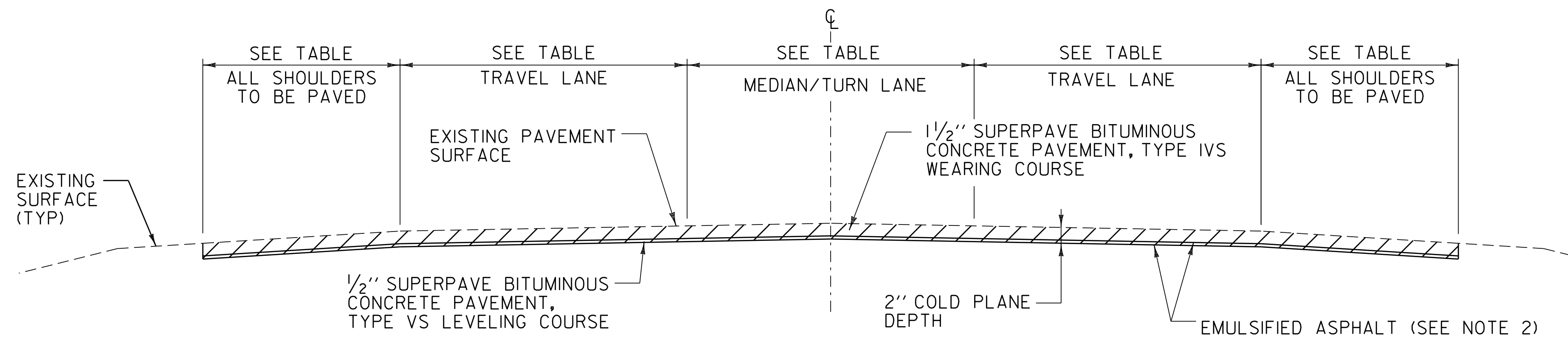


| | | | |
|---------------------------|---------------|----------------------------|---------------|
| VT. ROUTE 4A CASTLETON | STA 216+25.00 | TO CASTLETON | STA 219+40.00 |
| VT. ROUTE 4A CASTLETON | STA 224+75.00 | TO CASTLETON | STA 302+00.00 |
| VT. ROUTE 4A CASTLETON | STA 302+00.00 | TO CASTLETON | STA 302+23.00 |
| VT. ROUTE 4A CASTLETON | STA 303+27.00 | TO CASTLETON | STA 364+85.00 |
| VT. ROUTE 4A CASTLETON | STA 366+02.00 | TO CASTLETON | STA 366+22.08 |
| VT. ROUTE 4A IRA | STA 0+00.00 | TO IRA | STA 68+69.28 |
| VT. ROUTE 4A WEST RUTLAND | STA 0+00.00 | TO WEST RUTLAND | STA 94+93.44 |
| CASTLETON STATE HIGHWAY | STA 3+25.00 | TO CASTLETON STATE HIGHWAY | STA 3+80.00 |



| | | | |
|-------------------------|---------------|----------------------------|---------------|
| VT. ROUTE 4A CASTLETON | STA 205+45.00 | TO CASTLETON | STA 216+25.00 |
| CASTLETON STATE HIGHWAY | STA 0+00.00 | TO CASTLETON STATE HIGHWAY | STA 3+25.00 |

PROJECT PAVING LIMITS

| TOWN & ROUTE | BEGIN STATION | END STATION | WARM-MIX TECHNOLOGIES | LANE TYPICAL | WEARING DEPTH | LEVELING TON | NOTES |
|----------------------|---------------|-------------|-----------------------|---------------------------------|---------------|--------------|--|
| CASTLETON: | | | | | | | |
| VT. ROUTE 4A | 203+49.12 | 203+81.00 | FOAMING PROCESS | 4'-0" - 12'-0" - 12'-0" - 4'-0" | 1/2" | 3 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 203+81.00 | 204+50.00 | FOAMING PROCESS | 4'-0" - 12'-0" - 12'-0" - 4'-0" | 1/4" | - | BR 7 COLD PLANE 1/4" & PAVE WITH 1/4" TYPE IVS |
| VT. ROUTE 4A | 204+50.00 | 205+45.00 | FOAMING PROCESS | 4'-0" - 12'-0" - 12'-0" - 4'-0" | 1/2" | 12 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 205+45.00 | 216+25.00 | FOAMING PROCESS | VARIABLES - SEE LAYOUT | 1/2" | 170 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 216+25.00 | 219+40.00 | FOAMING PROCESS | 9'-0" - 12'-0" - 12'-0" - 9'-0" | 1/2" | 43 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 219+40.00 | 224+75.00 | - | - | - | - | NO PAVING WORK (BR 8 AND APPROACH AREA) |
| VT. ROUTE 4A | 224+75.00 | 302+00.00 | FOAMING PROCESS | 3'-0" - 11'-0" - 11'-0" - 3'-0" | 1/2" | 702 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 302+00.00 | 302+23.00 | FOAMING PROCESS | 6'-0" - 11'-0" - 11'-0" - 6'-0" | 1/2" | 3 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 302+23.00 | 303+27.00 | - | - | - | - | NO PAVING WORK (BR 11 AND APPROACH AREA) |
| VT. ROUTE 4A | 303+27.00 | 306+25.00 | FOAMING PROCESS | 5'-0" - 12'-0" - 12'-0" - 5'-0" | 1/2" | 31 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 306+25.00 | 363+50.00 | FOAMING PROCESS | 3'-0" - 11'-0" - 11'-0" - 3'-0" | 1/2" | 536 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 363+50.00 | 364+85.00 | FOAMING PROCESS | 6'-0" - 11'-0" - 11'-0" - 6'-0" | 1/2" | 28 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 364+85.00 | 366+02.00 | - | - | - | - | NO PAVING WORK (BR 12 AND APPROACH AREA) |
| VT. ROUTE 4A | 366+02.00 | 366+22.08 | - | 6'-0" - 11'-0" - 11'-0" - 6'-0" | 1/2" | 2 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| IRA: | | | | | | | |
| VT. ROUTE 4A | 0+00.00 | 6+85.00 | - | 6'-0" - 11'-0" - 11'-0" - 6'-0" | 1/2" | 74 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 6+85.00 | 68+69.28 | - | 3'-0" - 11'-0" - 11'-0" - 3'-0" | 1/2" | 561 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| WEST RUTLAND: | | | | | | | |
| VT. ROUTE 4A | 0+00.00 | 55+75.00 | - | 3'-0" - 11'-0" - 11'-0" - 3'-0" | 1/2" | 507 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 55+75.00 | 66+30.00 | - | 7'-0" - 11'-0" - 11'-0" - 7'-0" | 1/2" | 122 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| VT. ROUTE 4A | 66+30.00 | 94+93.44 | - | 3'-0" - 11'-0" - 11'-0" - 3'-0" | 1/2" | 260 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| CASTLETON: | | | | | | | |
| STATE HIGHWAY | 0+00.00 | 3+25.00 | FOAMING PROCESS | VARIABLES - SEE LAYOUT | 1/2" | 47 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| STATE HIGHWAY | 3+25.00 | 3+80.00 | FOAMING PROCESS | 5'-0" - 12'-0" - 12'-0" - 5'-0" | 1/2" | 6 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| STATE HIGHWAY | 3+80.00 | 4+75.00 | - | - | - | - | NO PAVING WORK (BR 1 AND APPROACH AREA) |
| STATE HIGHWAY | 4+75.00 | 7+20.00 | FOAMING PROCESS | VARIABLES - SEE LAYOUT | 1/2" | 29 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| STATE HIGHWAY | 7+20.00 | 9+34.00 | FOAMING PROCESS | 9'-0" - 12'-0" - 12'-0" - 9'-0" | 1/2" | 29 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| STATE HIGHWAY | 9+34.00 | 11+93.00 | FOAMING PROCESS | 9'-0" - 12'-0" - 12'-0" - 9'-0" | 1/4" | - | BR 2 COLD PLANE 1/4" & PAVE WITH 1/4" TYPE IVS |
| STATE HIGHWAY | 11+93.00 | 12+25.00 | FOAMING PROCESS | 9'-0" - 12'-0" - 12'-0" - 9'-0" | 1/2" | 3 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| STATE HIGHWAY | 12+25.00 | 15+00.00 | FOAMING PROCESS | 4'-0" - 12'-0" - 12'-0" - 4'-0" | 1/2" | 29 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |
| STATE HIGHWAY | 15+00.00 | 21+43.68 | FOAMING PROCESS | 7'-0" - 12'-0" - 12'-0" - 7'-0" | 1/2" | 79 | COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS |

NOTES

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, THE LEVELING COURSE SHALL BE TYPE VS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. COLD PLANED SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ. YD. OF CRSI-H OR RSI-H. TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. OF CRSI-H OR RSI-H.
2. THE COLD PLANED SURFACE 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 AND PAID FOR UNDER ITEM 900.680 SPECIAL PROVISIONS (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE II).
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 SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.
6. 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'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS, ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED. IF THIS CANNOT BE OBTAINED, THEN ITEM 621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FEET POSTS SHALL BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
7. 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.
8. 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 301.40 SUBBASE, RAP. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
9. THE WEARING COURSE OF ALL OF CONTRACT ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, SHALL UTILIZE THE REQUIREMENTS OF ITEM 900.645, SPECIAL PROVISION (INTELLIGENT COMPACTION EQUIPMENT) AS CONTAINED WITHIN THE CONTRACT DOCUMENTS. ALL OTHER CONTRACT PROVISIONS ASSOCIATED WITH ITEM 490.30 SHALL APPLY IN CONJUNCTION WITH THE REQUIREMENTS OF ITEM 900.645.

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 | | | |

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.

HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

| | |
|------------------------------|--|
| PROJECT TYPICAL SHEET | PROJECT NAME: CASTLETON - WEST RUTLAND |
| | PROJECT NUMBER: STP 2705(1) |
| | FILE NAME: p07cl68.dgn |
| | PLOT DATE: 04-JUN-2013 09:2 |
| | PROJECT LEADER: D.E.G. |
| | DRAWN BY: W.G.P. |
| | DESIGNED BY: M.J.M. |
| | CHECKED BY: D.E.G. |
| | IPARM FILE: p07cl68typ.i |
| | SHEET 13 OF 152 |