

**SEEDING FORMULA ITEM 651.15  
RURAL AREAS**

MASS	KA/HA	NAME	PUR %	GERM %
37.14	26.0	CREeping RED FESCUE	98	85
37.14	26.0	TALL FESCUE	95	90
5.71	4.0	RED TOP	95	90
14.30	10.0	BIRDFOOT TREFOL	98	85
5.71	4.0	ANNUAL RYEGRASS	95	85

**URBAN AREAS CONSERVATION MIX**

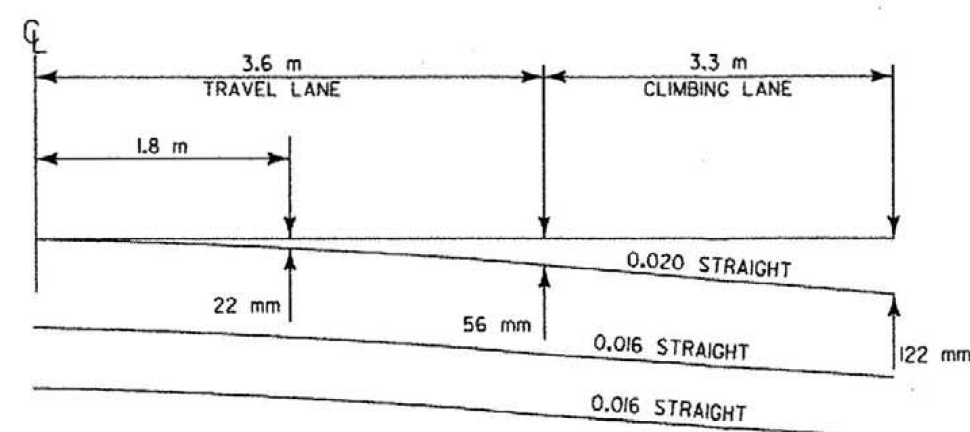
MASS	KA/HA	NAME	PUR %	GERM %
42.2	38.0	CREeping RED FESCUE	98	85
10.0	9.0	PERENNIAL RYEGRASS	95	90
42.2	38.0	KENTUCKY BLUEGRASS	85	85
5.6	5.0	ANNUAL RYEGRASS	95	85

**SEEDING NOTES**

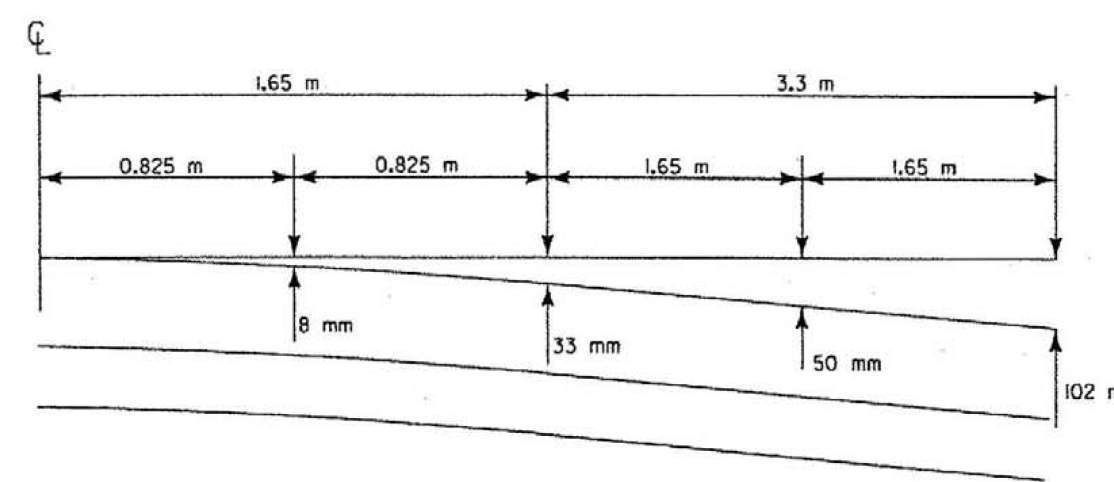
THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY MASS AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.  
SEED TO BE APPLIED PER SEEDING FORMULA AS DIRECTED BY THE ENGINEER.  
FERTILIZER: FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT RATE OF 560 KG/HA. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).  
AGRICULTURAL LIMESTONE TO BE APPLIED AT THE RATE OF 4500 Kg/ha OR AS DIRECTED BY THE ENGINEER.  
HAY MULCH TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4500 Kg/ha OR AS DIRECTED BY THE ENGINEER.  
TOPSOIL TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

**GENERAL NOTES**

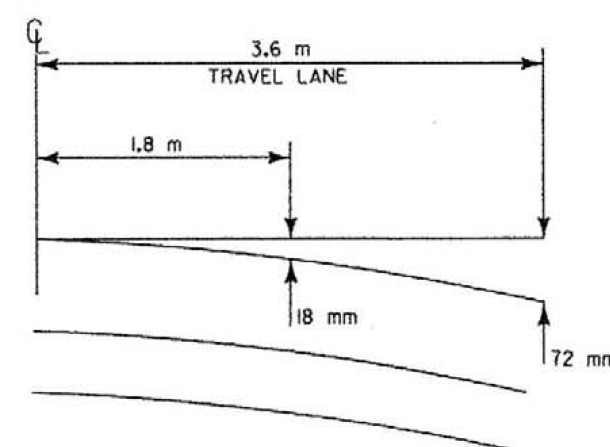
THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT WEARING COURSE SHALL BE TYPE IIS. THE ESTIMATED 15 mm LEVELING COURSE SHALL BE TYPE IVS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.  
GRASS GROWING ADJACENT TO EXISTING PAVEMENT OR THROUGH CRACKS IN THE EXISTING PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.  
EMULSIFIED ASPHALT TO BE APPLIED ON EXISTING PAVEMENT, BETWEEN ALL COURSES OF SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.12 L/m<sup>2</sup> OR AS DIRECTED BY THE ENGINEER.  
COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. THE COLD PLANING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING OF THE ROUTE T CONNECTOR AND BOTH ENDS OF THE NORTHBOUND COLD PLANE AREA AT THE NORTHERLY END OF THE PROJECT BY THE USE OF A VERTICAL BUTT JOINT. SEE DETAIL ON TS-14.  
COLD PLANE GRINDINGS SHALL REMAIN THE PROPERTY OF THE STATE OF VERMONT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.  
ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHEN SPECIFIED IN THE ITEM DETAIL SUMMARY SHEET. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS U-TURN, RAMPS AND AROUND DRAINAGE/UTILITY STRUCTURES) SHALL BE PAID FOR AT THE CONTACT UNIT PRICE FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.  
SLOPE ROUNDING --ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5M  
PAY LIMITS OF SAND BORROW WHEN USED IN CONJUNCTION WITH UNDERDRAIN - DETAIL ON SHEET TS-14.  
MARKER POSTS TO BE PLACED AS DIRECTED BY THE ENGINEER.



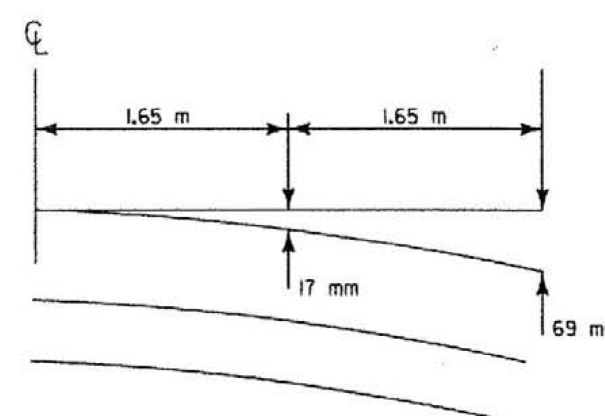
**MODIFIED PARABOLIC DETAIL  
NORMAL SECTION WITH CLIMBING LANE  
N.T.S.**



**MODIFIED PARABOLIC DETAIL  
FOR LEFT TURN LANE  
N.T.S.**



**PARABOLIC DETAIL  
NORMAL SECTION  
N.T.S.**



**PARABOLIC DETAIL  
3.3 m LANE  
N.T.S.**

**VERMONT AGENCY OF TRANSPORTATION**



PROJECT NAME: BENNINGTON  
PROJECT NUMBER: NH FO19-1(5)

**REVISED**

FILE NAME: ...Highway\PlotFiles\typicals.ptf PLOT DATE: 11/23/2004  
DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: DUFRESNE-HENRY  
DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY  
**TYPICAL TS-15** SHEET 18 OF 112

PGL=PROFILE GRADE LINE

4015460201 (b) (6) Highway\PlotFiles\typicals.ptf