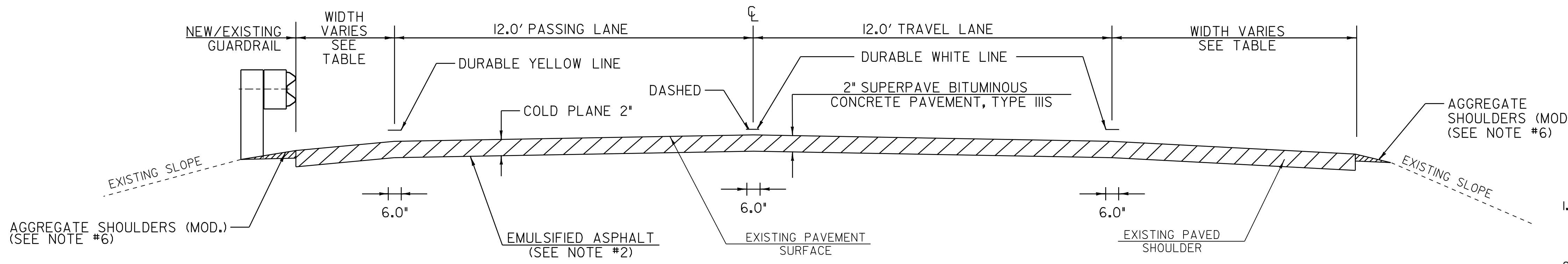


SEEDING FORMULA - RURAL AREAS

% 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

- THE PAVEMENT WEARING COURSE SHALL BE TYPE IIIS ON THE ROADWAY SURFACES AND TYPE IVS ON THE BRIDGE SURFACES, ITEM 490.30 AS SHOWN ON THE TYPICALS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.026 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" ± (TOTAL THICKNESS EXCLUDING LEVELING COURSE - IF USED).
- COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICALS OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL RAMP APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 490.30.
- ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL, TYPE I AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES. THE GUARDRAIL FLARES 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 GUARDRAIL TERMINAL. AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR FLARE CONSTRUCTION.
- 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.I2, AGGREGATE SHOULDERS (MOD.)
- ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- COMPACTION, GRADING AND CLEAN UP ITEM 402.I2, AGGREGATE SHOULDERS (MOD.) MATERIAL AND ITEM 651.35, TOPSOIL IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
- SEED MIXTURE: SHALL NOT HAVE 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 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.
- HAY MULCH: TO BE PLACED ON THE EARTH SLOPES 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.
- THE EASTERN RACER (COLUBER CONSTRICTOR) IS A STATE THREATENED SNAKE WHICH HAS BEEN LOCATED WITHIN THE PROJECT AREA. IN ORDER TO INSURE THAT NO EASTERN RACERS ARE INJURED OR KILLED DURING CONSTRUCTION, NO PROJECT-RELATED ACTIVITY, TO INCLUDE STAGING, PARKING OF VEHICLES, OR OPERATION OF MACHINERY OR EQUIPMENT FOR ANY REASON, WILL BE ALLOWED OFF THE PAVED SURFACED FROM NORTHBOUND MM 0.000 TO 2.000. THE CONTRACTOR WILL BE ALLOWED TO USE THE PAVED PULLOUT AREA AT NB MM 1/2 FOR PARKING VEHICLES AND EQUIPMENT. THE CONTRACTOR SHALL INSTALL SIGNS SECURED TO 1" BY 1" GRADE STAKES ALONGSIDE THE DELINEATOR POSTS THROUGHOUT THIS TWO MILE STRETCH (SPACED 0.10 MILES APART). THE SIGNS SHALL BE 10" BY 12" AND SHALL READ "KEEP OFF THE GRASS". ANY VARIATION IN THE SIZE OR TEXT OF THESE SIGNS SHALL BE APPROVED BY THE RESIDENT ENGINEER.
THE CONTRACTOR SHALL INSPECT THESE SIGNS ON A DAILY BASIS AND REPLACE DAMAGED OR MISSING SIGNS IMMEDIATELY. THESE SIGNS SHALL BE REMOVED WHEN CONSTRUCTION IS COMPLETE.
THE COST OF PROVIDING, INSTALLING, INSPECTING AND REMOVING THESE SIGNS SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.0 TRAFFIC CONTROL.
- THE CONTRACTOR SHALL MAINTAIN COLD PLANE AND PAVING DEPTHS THAT DO NOT REDUCE THE CLEARANCE HEIGHTS OF THE ROADWAY OR SHOULDERS UNDER THE OVERPASS BRIDGES (BR-1N, BR-7 N AND BR-10 N). THESE HEIGHTS SHALL BE RECORDED BY THE RESIDENT ENGINEER PRIOR TO THE START OF CONSTRUCTION AND SHALL BE REMEASURED AFTER PAVING OPERATIONS ARE COMPLETE. IF IT IS DETERMINED THAT A REDUCTION IN CLEAR HEIGHT HAS OCCURED, THE CONTRACTOR SHALL RE-ESTABLISH THE ORIGINAL CLEAR HEIGHT AT NO ADDITIONAL EXPENSE TO THE STATE.
- THE PRE-CONSTRUCTION CONFERENCE SHALL INCLUDE AWARENESS EDUCATION REGARDING THE EASTERN RACER FOR THE CONTRACTOR, STAFF AND ANY SUB-CONTRACTORS. THE RESIDENT ENGINEER SHALL BE RESPONSIBLE FOR THREATENED & ENDANGERED SPECIES PERMIT COMPLIANCE.



MAINLINE TYPICAL SECTION

STA 0+00 TO STA 275+79
 STA 276+79 TO STA 314+90
 STA 318+97 TO STA 393+99
 STA 395+97 TO STA 431+51
 STA 432+93 TO STA 451+45
 STA 455+60 TO STA 544+67
 STA 546+04 TO STA 552+78
 STA 562+59 TO STA 609+28
 STA 610+70 TO STA 629+16

**PROJECT PAVING LIMITS
 (REFER TO COLD PLANE TRANSITION DETAILS ON TYPICAL SHEETS 2 AND 3)**

TOWN	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	PAVEMENT TYPE	NOTES
INTERSTATE 91						
GUILFORD	0+00	5+45	4.0-12.0-12.0-11.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	5+45	11+00	4.0-12.0-12.0-17.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	11+00	12+25	4.0-12.0-12.0-30.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	12+25	19+27	4.0-12.0-12.0-12.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	19+27	29+04	4.0-12.0-12.0-17.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	29+04	122+17	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
VERNON	122+17	266+94	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
GUILFORD	266+94	275+79	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	275+79	276+79	10.0-12.0-12.0-10.0	1 1/4	IVS	COLD PLANE AND OVERLAY 1 1/4", BRIDGE 2N
	276+79	314+90	6.0-12.0-12.0-9.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	314+90	318+97	DO NOT PAVE			DO NOT PAVE , BRIDGE 3N
	318+97	352+01	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
BRATTLEBORO	352+01	393+99	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	393+99	395+97	10.0-12.0-12.0-10.0	1 1/4	IVS	COLD PLANE AND OVERLAY 1 1/4", BRIDGE 4N
	395+97	431+51	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	431+51	432+93	8.0-12.0-12.0-10.0	2	IIIS	COLD PLANE 1" AND OVERLAY 2" BRIDGE 5N
	432+93	451+45	4.0-12.0-12.0-8.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	451+45	455+60	3.0-12.0-12.0-3.0	1	IVS	COLD PLANE AND OVERLAY 1" BRIDGE 6N
	455+60	498+96	4.0-12.0-12.0-14.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	498+96	544+67	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	544+67	546+04	8.0-12.0-12.0-10.0	2	IIIS	COLD PLANE 1" AND OVERLAY 2" BRIDGE 8N
	546+04	552+78	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	552+78	562+59	3.0-12.0-12.0-3.0	1	IVS	COLD PLANE AND OVERLAY 1", BRIDGE 9N
	562+59	609+28	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
	609+28	610+70	6.0-12.0-12.0-12.0	2	IIIS	COLD PLANE 1" AND OVERLAY 2" BRIDGE 11N
	610+70	629+16	4.0-12.0-12.0-10.0	2	IIIS	COLD PLANE AND OVERLAY 2"
RAMPS	EXIT 1 ON		VARIES SEE DETAIL	2	IIIS	COLD PLANE AND OVERLAY 2"
	EXIT 1 OFF		VARIES SEE DETAIL	2	IIIS	COLD PLANE AND OVERLAY 2"
	EXIT 2 ON		VARIES SEE DETAIL	2	IIIS	COLD PLANE AND OVERLAY 2"
	EXIT 2 OFF		VARIES SEE DETAIL	2	IIIS	COLD PLANE AND OVERLAY 2"
	EXIT 3 ON		VARIES SEE DETAIL	2	IIIS	COLD PLANE AND OVERLAY 2"
	EXIT 3 OFF		VARIES SEE DETAIL	2	IIIS	COLD PLANE AND OVERLAY 2"

DATUM
 VERTICAL _____
 HORIZONTAL _____

NOT TO SCALE

**PROJECT
 TYPICAL
 SHEET 1**

PROJECT NAME: GUILFORD-BRATTLEBORO
 PROJECT NUMBER: AC IM 091-1(51)

FILE NAME: 03A020+typ1
 PROJECT LEADER: CRB
 DESIGNED BY: CLD
 CLD REF. NO. 04-0398
 PLOT DATE: 22-JAN-2009 13:3
 DRAWN BY: JCS
 CHECKED BY: NLL
 SHEET 10 OF 69