

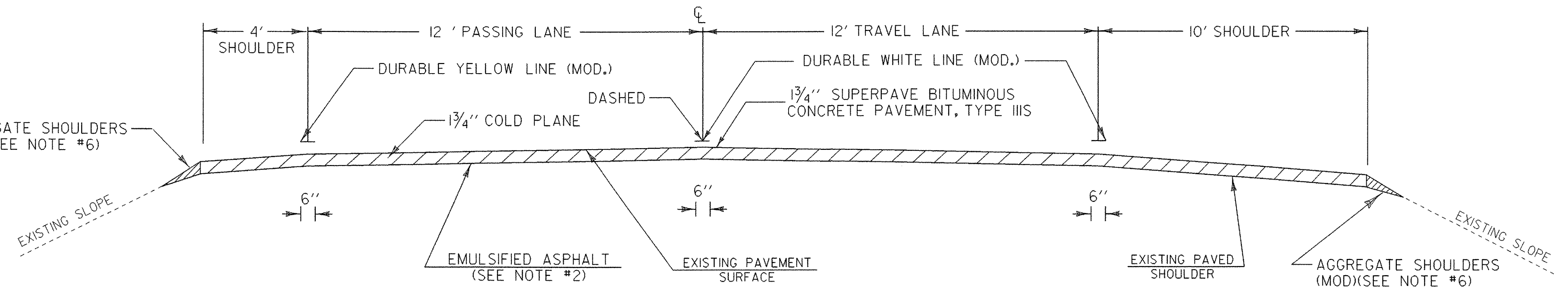
**SEEDING FORMULA  
RURAL AREAS**

% 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			

**NOTES:**

- THE PAVEMENT WEARING COURSE SHALL BE TYPE IIS AS SHOWN ON THE TYPICALS. ALL ASPHALT CEMENT USED IN SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES AND ON COLD PLANED SURFACES, AT THE RATE OF 0.015 GAL./SY. OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS).
- COLD PLANING SHALL BE COMPLETED ACCORDING TO TYPICAL 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.
- AN ESTIMATE QUANTITY OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING MTS FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDER (MOD.) MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 26 CUBIC YARDS OF EARTH BORROW AND 6 TONS OF AGGREGATE SHOULDER (MOD.) MATERIAL FOR EACH GUARDRAIL TERMINAL.
- 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 SHOULDER (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.
- SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- 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.
- MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT THE CURB LINE AND IN THE EXPANSION JOINTS. BRIDGE DRAIN TROUGHS SHALL ALSO BE CLEANED WHEN COLD PLANING AND RUMBLE STRIPS ARE COMPLETED. PAYMENT SHALL BE INCLUDED UNDER ITEM 210.10, COLD PLANING.

AGGREGATE SHOULDER (MOD)(SEE NOTE #6)

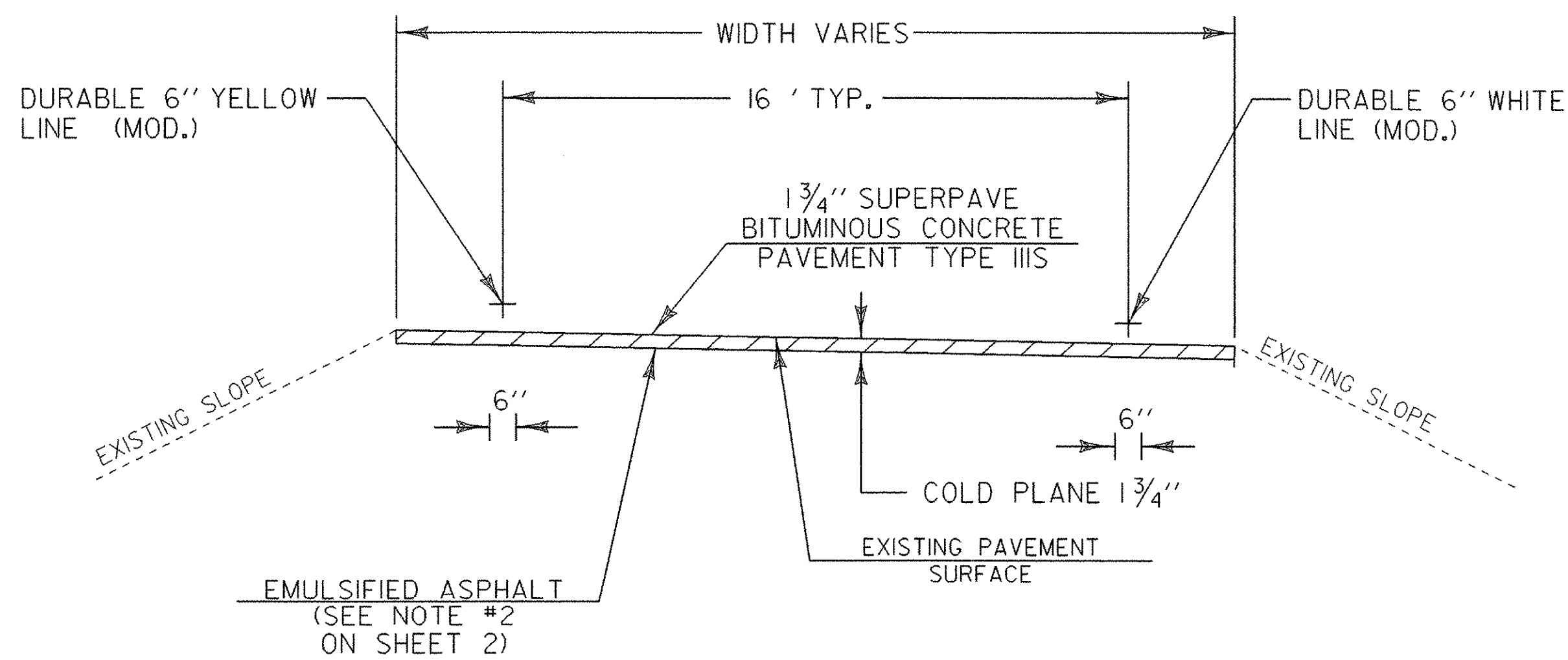


**MAINLINE TYPICAL SECTION**

BOLTON  
STA 3780+68 (M.M. 71.604) TO STA 3875+58 (M.M. 73.401) SB  
RICHMOND  
STA 3875+58 (M.M. 73.401) TO STA 4199+89 (M.M. 79.543) SB  
WILLISTON  
STA 4199+89 (M.M. 79.543) TO STA 4487+53 (M.M. 84.991) SB  
SO. BURLINGTON  
STA 4487+53 (M.M. 84.991) TO STA 4634+36 (M.M. 87.772) SB

**PROJECT PAVING LIMITS**

TOWN	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	NOTES
INTERSTATE-89					
SOUTHBOUND					
BOLTON	3780+68	3875+58	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	3875+58	3884+18	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	3884+18	3885+55	10'-12'-12'-4'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 52 S
RICHMOND	3885+55	3902+98	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	3902+98	3905+62	2'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 53 S
RICHMOND	3905+62	4069+77	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	4069+77	4071+36	2'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 55 S
RICHMOND	4071+36	4137+67	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	4137+67	4140+05	2'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 56 S
RICHMOND	4140+05	4143+48	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	4143+48	4146+33	2'-12'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 57 S
RICHMOND	4146+33	4152+67	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	4152+67	4158+53	2'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 58 S
RICHMOND	4158+53	4168+77	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RICHMOND	4168+77	4170+67	2'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 59 S
RICHMOND	4170+67	4199+89	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
WILLISTON	4199+89	4432+03	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
WILLISTON	4432+03	4433+83	2'-12'-12'-2'		DO NOT COLD PLANE BRIDGE # 63 S
WILLISTON	4433+83	4487+47	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
WILLISTON	4487+47	4488+00	10'-12'-12'-4'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 63 S
SO. BURLINGTON	4487+53	4603+32	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
SO. BURLINGTON	4603+32	4604+37	2'-12'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 65 S
SO. BURLINGTON	4604+37	4613+35	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
SO. BURLINGTON	4613+35	4614+98	2'-12'-12'-2'		COLD PLANE 1/4'', OVERLAY 1/4'', TYPE IVS, BRIDGE # 66 S
SO. BURLINGTON	4614+98	4634+36	10'-12'-12'-4'	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
RAMPS					
EXIT 11	A, B, C, D, F		VARIES	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
EXIT 12	B		VARIES	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''
EXIT 13	A, B		VARIES	1 3/4''	COLD PLANE 1 3/4'', OVERLAY 1 3/4''



**RAMP PAVEMENT TYPICAL**

- LOCATION
- EXIT 11 OFF & ON RAMPS SB - SEE SHEET 22 FOR DETAILS
  - EXIT 11 OFF & ON RAMPS NB - SEE SHEET 22 FOR DETAILS
  - EXIT 12 ON RAMPS SB - SEE SHEET 22 FOR DETAILS
  - EXIT 13 OFF & ON RAMPS SB - SEE SHEET 22 FOR DETAILS

NOT TO SCALE

**PROJECT  
TYPICAL  
SHEET 1**

PROJECT NAME: BOLTON - SO. BURLINGTON

PROJECT NUMBER: AC IM 089-2(36)

FILE NAME: /pave/04all4/04all4.dgn  
PROJECT LEADER:  
DESIGNED BY:  
IPARM NAME: p04all4p1.i

PLOT DATE: 17-MAY-2005  
DRAWN BY:  
CHECKED BY:  
SHEET 7 OF 76