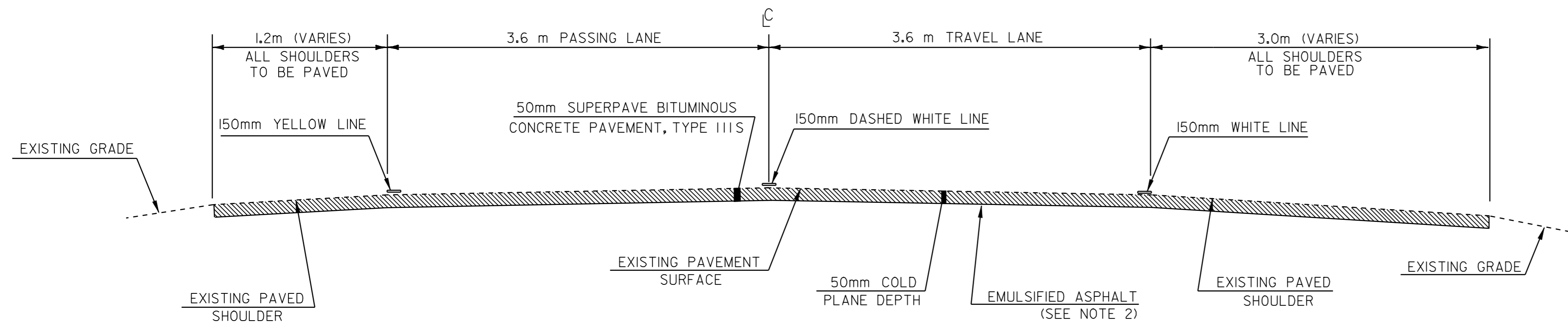


NOTES

1. THE SINGLE PAVEMENT LIFT (WEARING COURSE) SHALL BE TYPE 111S. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-34.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.12 L/SM OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 5 mm (TOTAL THICKNESS).
4. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGINNING/END AND AT ALL RAMP APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
5. GRASS GROWING ADJACENT TO PAVEMENT, OR THROUGH CRACKS IN THE PAVEMENT, WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE, SHALL BE REMOVED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-34).
6. 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.).
7. ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PROJECT PLANS OR AT ALL OTHER LOCATIONS DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS AROUND DRAINAGE/UTILITY STRUCTURES) SHALL BE PAID FOR AT THE CONTRACT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-34).
8. AREAS ADJACENT TO THE SHOULDER, WHERE EXISTING GUARDRAIL IS BEING RETAINED, THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN, PAYMENT IS UNDER ITEM 203.99, SHOULDER BERM REMOVAL.
9. ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES WITH EARTH BORROW. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 75mm DEPTH OF AGGREGATE SHOULDER MATERIAL (MOD.), OR AS DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER MATERIAL (MOD.) AND 20 CUBIC METERS OF EARTH BORROW FOR EACH GUARDRAIL TERMINAL.
10. ADDITIONALLY, ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CLEANING DITCHES AND CLEANING PIPE INLET AND OUTLET LOCATIONS, AS DIRECTED BY THE RESIDENT ENGINEER.
11. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THESE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.



**MAINLINE TYPICAL SECTION
NORTHBOUND**

STA 0+080.467 TO STA.19+714.464
(MM 0.050 TO MM 12.250)

ESTIMATED VEHICLES PER HOUR
(BETWEEN NH BORDER AND I-91)

HOUR	JUNE-05	JULY-05	AUG-05
12:00 AM	108	114	121
1:00 AM	74	78	83
2:00 AM	93	98	104
3:00 AM	80	84	90
4:00 AM	75	79	84
5:00 AM	145	153	162
6:00 AM	436	461	488
7:00 AM	1011	1068	1131
8:00 AM	993	985	1044
9:00 AM	908	959	1016
10:00 AM	1000	1056	1119
11:00 AM	1136	1199	1271
12:00 PM	1344	1419	1504
1:00 PM	1361	1437	1523
2:00 PM	1514	1599	1694
3:00 PM	1835	1938	2053
4:00 PM	2099	2217	2349
5:00 PM	2178	2301	2438
6:00 PM	1388	1466	1553
7:00 PM	1027	1085	1149
8:00 PM	810	856	907
9:00 PM	590	623	660
10:00 PM	317	335	355
11:00 PM	229	242	256

ESTIMATED VEHICLES PER HOUR
(BETWEEN I-91 AND QUECHEE INTERCHANGE)

HOUR	JUNE-05	JULY-05	AUG-05
12:00 AM	101	107	113
1:00 AM	77	82	86
2:00 AM	55	58	62
3:00 AM	48	51	54
4:00 AM	70	74	79
5:00 AM	149	158	167
6:00 AM	295	311	330
7:00 AM	505	534	565
8:00 AM	604	638	676
9:00 AM	673	710	753
10:00 AM	751	793	840
11:00 AM	831	878	930
12:00 PM	890	940	996
1:00 PM	885	935	991
2:00 PM	964	1019	1079
3:00 PM	1124	1187	1258
4:00 PM	1177	1243	1317
5:00 PM	1160	1225	1298
6:00 PM	811	857	908
7:00 PM	616	650	689
8:00 PM	555	587	621
9:00 PM	454	480	508
10:00 PM	275	290	307
11:00 PM	173	183	194

ESTIMATED VEHICLES PER HOUR
(NORTH OF QUECHEE INTERCHANGE)

HOUR	JUNE-05	JULY-05	AUG-05
12:00 AM	79	83	88
1:00 AM	52	55	58
2:00 AM	59	63	67
3:00 AM	47	50	53
4:00 AM	57	60	64
5:00 AM	124	131	138
6:00 AM	264	279	296
7:00 AM	420	443	470
8:00 AM	482	509	539
9:00 AM	522	551	584
10:00 AM	536	566	600
11:00 AM	595	628	665
12:00 PM	672	710	752
1:00 PM	621	656	695
2:00 PM	715	755	800
3:00 PM	820	866	918
4:00 PM	917	969	1026
5:00 PM	881	930	986
6:00 PM	575	607	644
7:00 PM	442	466	494
8:00 PM	332	351	372
9:00 PM	263	278	295
10:00 PM	142	150	159
11:00 PM	116	123	130

ESTIMATED VEHICLES PER HOUR
(QUECHEE RAMP A)

HOUR	JUNE-05	JULY-05	AUG-05
12:00 AM	21	22	23
1:00 AM	18	19	21
2:00 AM	8	9	9
3:00 AM	7	7	8
4:00 AM	17	18	19
5:00 AM	31	33	35
6:00 AM	106	112	119
7:00 AM	206	218	231
8:00 AM	270	285	302
9:00 AM	245	258	274
10:00 AM	239	252	267
11:00 AM	295	312	330
12:00 PM	280	296	314
1:00 PM	294	311	329
2:00 PM	358	378	400
3:00 PM	397	419	444
4:00 PM	427	451	478
5:00 PM	431	456	483
6:00 PM	308	325	345
7:00 PM	191	202	214
8:00 PM	168	178	188
9:00 PM	134	141	150
10:00 PM	76	80	85
11:00 PM	46	49	52

ESTIMATED VEHICLES PER HOUR
(QUECHEE RAMP B)

HOUR	JUNE-05	JULY-05	AUG-05
12:00 AM	3	4	4
1:00 AM	3	4	4
2:00 AM	0	0	0
3:00 AM	1	1	1
4:00 AM	3	4	4
5:00 AM	3	4	4
6:00 AM	30	31	33
7:00 AM	42	45	47
8:00 AM	45	47	50
9:00 AM	31	33	35
10:00 AM	39	41	44
11:00 AM	41	44	46
12:00 PM	46	48	51
1:00 PM	52	54	58
2:00 PM	63	67	71
3:00 PM	89	94	100
4:00 PM	100	105	112
5:00 PM	72	76	81
6:00 PM	34	36	38
7:00 PM	25	27	28
8:00 PM	24	25	27
9:00 PM	23	24	26
10:00 PM	11	12	13
11:00 PM	5	5	5

ESTIMATED VEHICLES PER HOUR
(WRJ RAMP G)

HOUR	JUNE-05	JULY-05	AUG-05
12:00 AM	37	39	41
1:00 AM	23	24	24
2:00 AM	21	23	24
3:00 AM	12	13	14
4:00 AM	11	12	13
5:00 AM	24	25	26
6:00 AM	55	58	62
7:00 AM	104	110	117
8:00 AM	98	104	110
9:00 AM	117	123	131
10:00 AM	138	146	155
11:00 AM	155	163	173
12:00 PM	171	180	191
1:00 PM	196	208	220
2:00 PM	224	237	251
3:00 PM	316	334	354
4:00 PM	337	356	377
5:00 PM	346	365	387
6:00 PM	207	218	231
7:00 PM	153	162	172
8:00 PM	121	128	135
9:00 PM	98	104	110
10:00 PM	61	65	69
11:00 PM	60	64	68

NOTES:

AN ANALYSIS OF THE WORKZONE NORTHBOUND TRAFFIC VOLUMES INDICATES THAT TRAFFIC VOLUMES WILL EXCEED THE HIGHWAY CAPACITY MANUAL RECOMMENDED CAPACITY OF 1550 VEHICLES PER HOUR FROM THE NEW HAMPSHIRE BORDER TO THE I-91 RAMPS BETWEEN THE WEEKDAY HOURS OF 1:00 AND 6:00 PM.

THE CONTRACTOR SHALL RESTRICT WORK THROUGH THIS SECTION SO THAT BOTH NORTHBOUND TRAVEL LANES ARE OPEN TO TRAFFIC DURING THESE HOURS.

TRAFFIC VOLUMES NORTH OF WRJ RAMP H (TO THE END OF PROJECT) FALL BELOW THE RECOMMENDED CAPACITY OF 1550 VEHICLES PER HOUR.

AN ANALYSIS OF THE RAMP TRAFFIC VOLUMES HAS ALSO BEEN PROVIDED FOR BOTH RAMPS IN THE QUECHEE INTERCHANGE AND WRJ RAMP G. RELIABLE DATA FOR THE REMAINDER OF THE WRJ RAMPS (A,C,B AND H) IS NOT AVAILABLE AT THIS TIME.



**PROJECT
TYPICAL
SHEET #1**

DESIGNED BY LFW DATE 10-02
 DRAWN BY LFW DATE 10-02
 DESIGN FILE NO. /pave/01a028/p01a028.dgn
 PRF FILE p01a028+yl.i DATE 10-02
 PLOTTE# 3 -JAN-2006 13:4
 PROJ. NAME **HARTFORD - SHARON**
 PROJ. NO. **AC IM 089-1(51)**
 SHEET **2** OF **21** SHEETS