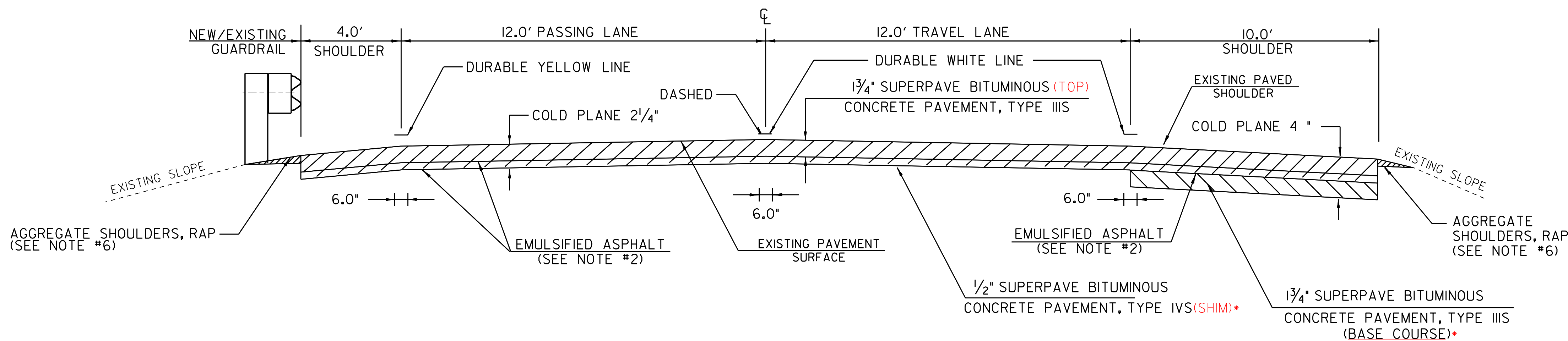


GENERAL NOTES

1. 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. THE LEVELING COURSE SHALL BE TYPE IVS.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = $1/4" \pm$ (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
4. 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 210.10.
5. ESTIMATED QUANTITIES OF ITEM 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES. QUANTITIES OF EARTH BORROW AND AGGREGATE SHOULDERS, RAP HAVE ALSO BEEN INCLUDED FOR CONSTRUCTING AND RESHAPING THE MANUFACTURED TERMINAL SECTION FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDERS, RAP AS DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDERS, RAP AND 10 CUBIC YARDS OF EARTH BORROW FOR EACH GUARDRAIL TERMINAL.
6. ALL EDGES OF PAVEMENT, AND CURB AT GUARDRAIL SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13, AGGREGATE SHOULDERS, RAP.
7. 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.
8. COMPACTION, GRADING AND CLEAN UP FOR ITEM 402.13, AGGREGATE SHOULDERS, RAP AND ITEM 651.35, TOPSOIL IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
9. 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 AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 203.40, SHOULDER BERM REMOVAL. THE ESTIMATED QUANTITY INCLUDED WITH THIS PROJECT REPRESENTS 60% OF THE LENGTH OF RAIL BEING RETAINED.
10. AREAS ADJACENT TO THE SHOULDER THAT HAVE BUILT-UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 608.15, POWER GRADER RENTAL.
11. ALL DELINEATORS WITHIN THE PROJECT AREA ARE TO BE REPLACED AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 676.10, DELINEATOR WITH STEEL POST.
12. AN ESTIMATED QUANTITY OF ITEM 619.17, YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE CULVERT ENDS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
13. 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 29-4, BR 31 AND BR 32). 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 OCCURRED, THE CONTRACTOR SHALL RE-ESTABLISH THE ORIGINAL CLEAR HEIGHT AT NO ADDITIONAL EXPENSE TO THE STATE.
14. THE CLEANING OF CULVERT INLETS AND OUTLETS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER. ESTIMATED QUANTITIES OF ITEM 608.25 - ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 - TRUCK RENTAL, ITEM 613.10 - STONE FILL, TYPE I, ITEM 649.31 - GEOTEXTILE UNDER STONE FILL AND ITEM 653.20 - TEMPORARY EROSION MATTING HAVE BEEN INCLUDED FOR THIS PURPOSE.
15. AN ESTIMATED QUANTITY OF ITEMS 604.415, REHAB DROP INLETS, CATCH BASINS OR MANHOLES, CLASS II AND 604.418, REHAB DROP INLETS, CATCH BASINS OR MANHOLES, CLASS III HAVE BEEN INCLUDED FOR USE AS DIRECTED BY THE RESIDENT ENGINEER.
16. ESTIMATED QUANTITIES OF ITEM 900.620, SPECIAL PROVISION (STEEL BEAM GUARDRAIL OFFSET BLOCK) AND 900.620, SPECIAL PROVISION (STEEL BEAM GUARDRAIL DELINEATOR) HAVE BEEN INCLUDED FOR USE AS DIRECTED BY THE RESIDENT ENGINEER.



MAINLINE TYPICAL SECTION

NB MM STATIONS 44.900 TO 57.414

NOTE: IF THE CONTRACTOR ELECTS TO COLD PLANE THE 10' SHOULDER PRIOR TO COLD PLANING THE ADJACENT TRAVEL LANE THE $1\frac{3}{4}''$ BASE COURSE SHALL BE PAVED THE SAME WORKDAY.

IF THE CONTRACTOR CHOOSES TO COLD PLANE THE 4" DEPTH ON THE 10' SHOULDER IN TWO PASSES, PAYMENT FOR COLD PLANING WILL ONLY BE MADE FOR THE FIRST PASS.

PROJECT PAVING LIMITS

(REFER TO COLD PLANE TRANSITION DETAILS ON SHEETS 4 AND 5)

TOWN	BEGIN NB MM STA.	END NB MM STA.	LANE TYPICAL	WEARING DEPTH	PAVEMENT TYPE	NOTES
INTERSTATE 91 SPRINGFIELD	44.900	46.820	4.0-12.0-12.0-10.0	$1\frac{3}{4}''$	IIIS	COLD PLANE $2\frac{1}{4}''$, LEVEL AND OVERLAY $1\frac{3}{4}''$ COLD PLANE 10' SHLD. 4'', $1\frac{3}{4}''$ BASE COURSE, LEVEL AND OVERLAY $1\frac{3}{4}''$
WEATHERSFIELD	46.820	53.444	4.0-12.0-12.0-10.0	$1\frac{3}{4}''$	IIIS	COLD PLANE $2\frac{1}{4}''$, LEVEL AND OVERLAY $1\frac{3}{4}''$ COLD PLANE 10' SHLD. 4'', $1\frac{3}{4}''$ BASE COURSE, LEVEL AND OVERLAY $1\frac{3}{4}''$
WINDSOR	53.444	57.414	4.0-12.0-12.0-10.0	$1\frac{3}{4}''$	IIIS	COLD PLANE $2\frac{1}{4}''$, LEVEL AND OVERLAY $1\frac{3}{4}''$ COLD PLANE 10' SHLD. 4'', $1\frac{3}{4}''$ BASE COURSE, LEVEL AND OVERLAY $1\frac{3}{4}''$
EXIT # 8 RAMPS						
	RAMP C		VARIES - SEE DETAILS	$1\frac{3}{4}''$	IIIS	COLD PLANE $2\frac{1}{4}''$, LEVEL AND OVERLAY $1\frac{3}{4}''$
	RAMP D		VARIES - SEE DETAILS	$1\frac{3}{4}''$	IIIS	COLD PLANE $2\frac{1}{4}''$, LEVEL AND OVERLAY $1\frac{3}{4}''$

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 TREFLOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

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.

*TABLE OF MINOR/MAJOR FAILURES (AIR VOIDS)							
DATE PAVED	MM START	MM END	COURSE	LOCATION	AIR VOID(PF)	DESCRIPTION OF FAILURES	
5/14/08	44.920	47.160	BASE	10' RT SHOULDER	99.1	2 OUR OF 4 TESTS, THE %VFA @ N(DESIGN) IS HIGHER THAN HIGH LIMIT	
5/16/08	47.160	50.180	BASE	10' RT SHOULDER	96	TEST SW05A %VMA @ N(DESIGN) IS GREATER THAN HIGH LIMIT, %AV @ N(DESIGN) IS 5.2% LIMIT, TEST SW06A % VMA @ N(DESIGN) IS GREATER THAN HIGH LIMIT, TEST SW07A %VMA @ N(DESIGN) IS GREATER THAN HIGH LIMIT	
5/28/08	55.020	57.420	BASE	10' RT SHOULDER	99.9	TEST SW20A % VFA @ N(DESIGN) IS LESS THAN LOWER LIMIT	
6/2/08	51.270 51.840	51.550 57.350	SHIM	EXIT 8 ON RAMP & 10' RT SHOULDER	91.2	TEST SW23L % VMA @ N(DESIGN) IS LESS THAN LOWER LIMIT TEST SW24L % VMA @ N(DESIGN) IS LESS THAN LOWER LIMIT % VFA @ N(DESIGN) IS GREATER THAN HIGH LIMIT % AV @ N(DESIGN) IS BELOW TOLERANCE LIMIT	
7/21/08	50.60	51.060	TOP	10' RT SHOULDER	96.3	TEST SW36T, THE % VMA @ N(DESIGN) BELOW LOWER LIMIT	
7/22/08	51.060	54.050	TOP	10' RT SHOULDER	96.3	COMBINED W/ 7/21/08 FAILING TEST.	
8/12/08	EXIT 8	EXIT 8	TOP	ON/OFF RAMPS	96.3	STATISTICAL VARIATION	
8/21/08	57.133	57.355	TOP	12' TRAVEL LANE	79.9	TEST SW79T %VMA @ N(DESIGN) IS LESS THAN LOWER LIMIT %VFA @ N(DESIGN) IS HIGHER THAN HIGH LIMIT %AV @ N(DESIGN) BELOW LOW LIMIT TOLERANCE	
8/21/08	57.067	57.353	TOP	4' LT SHOULDER & PASS LANE	79.9	TEST SW80T % VMA @ N(DESIGN) IS LESS THAN LOWER LIMIT	

**PROJECT
TYPICAL
SHEET 1**

PROJECT NAME: SPRINGFIELD - WINDSOR
PROJECT NUMBER: IM 091-I(55)

FILE NAME: 06A194.dgn	PLOT DATE: 28-OCT-2011 4:01
PROJECT LEADER: LFW	DRAWN BY: LFW
DESIGNED BY: LFW	CHECKED BY: LFW
PLOT FILE: 06A194+yp1.i	SHEET 3 OF 36

NOT TO SCALE