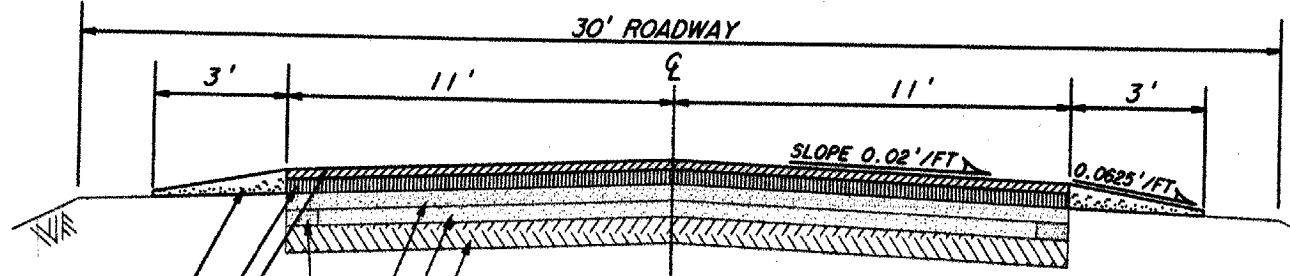


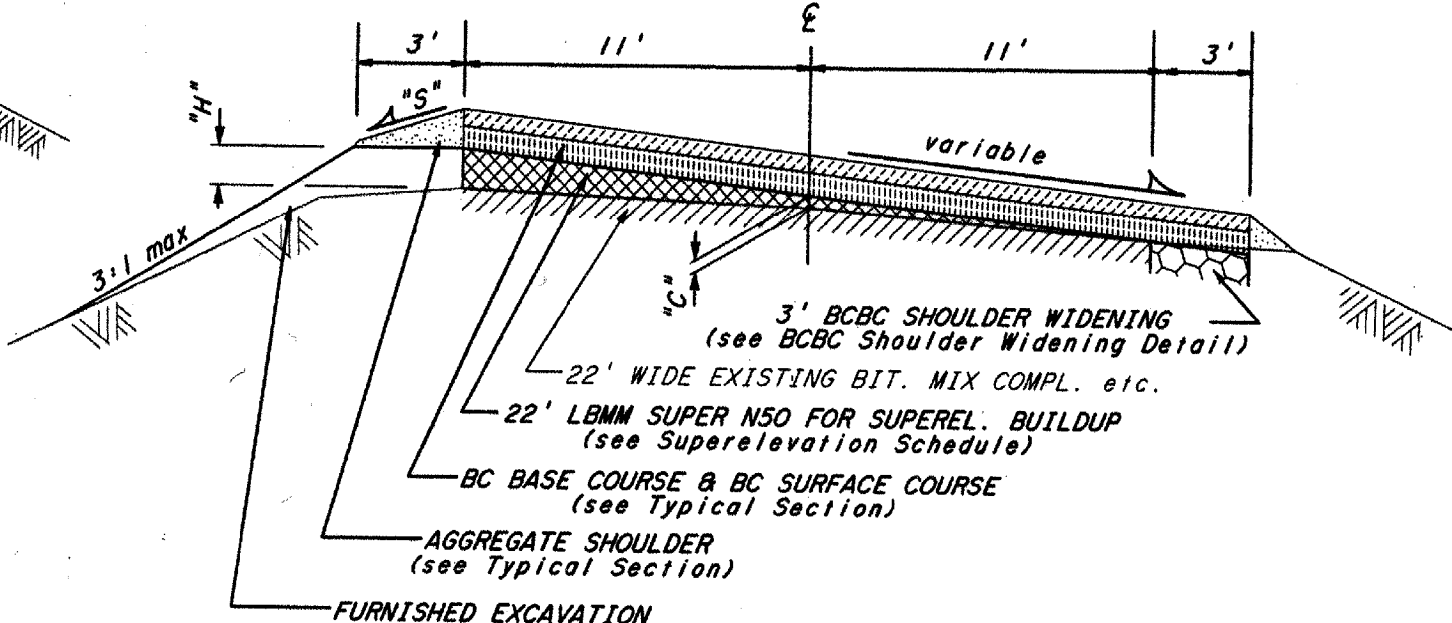
COUNTY	SECTION	HWY. NO.	SHEET NO.
LASALLE	05-00237-01-RS	CH 3	2 of 7

CONTRACT NO. 87320



- 8" x 22' WIDE EXISTING AGG. BASE CSE TY B
 - 2" x 20' WIDE BIT. SURF. TY B-4
 - 3" x 22' WIDE EXISTING BIT. MIX COMPL.
 - 2" x 1.0' WIDE EXISTING BCBC WIDENING
- PROPOSED:
- 1 1/4" x 22' POL. BIT. CONC. SURFACE COURSE SUPER "C" N50
 - 2 1/4" x 22' BIT. CONC. BINDER COURSE SUPER N50
 - 3/4" x 22' LEVEL BINDER MM SUPER N50
 - 4.25" x 3' AGG SHOULDERS, TY. B

PROPOSED TYPICAL SECTION
STA. 11+60 TO STA. 319+82



PROPOSED SUPERELEVATION TYPICAL SECTION

MIXTURE REQUIREMENTS

LOCATION:	05-00237-01-RS			
MIXTURE USE:	SUPERPAVE LBMM	BCBC WIDENING	SUPERPAVE BINDER	SUPERPAVE SURFACE
PG GRADE:	P664-22	P664-22	P664-22	SBS P664-20
MAX RAP %:	15 %	15 %	15 %	0 %
DESIGN AIR VOIDS:	4.0 % @ N50	4.0 % @ N50	4.0 % @ N50	4.0 % @ N50
MIXTURE COMPOSITION:	IL-9.5	IL-19.0	IL-19.0	IL-9.5
FRICTION AGGREGATE:				MIXTURE "C"
PLANT CONTROL LIMITS:	CLASS 1			
DENSITY CONTROL METHOD:		CORRELATION	CORRELATION	

SUPERELEVATION SCHEDULE

STA. TO STA.	SUPERELEVATION	"H"	"C"	STA. TO STA.	SUPERELEVATION	"H"	"C"
15+37 TO 16+62	TRANS NC TO 0.06'/FT	.00 to .62	.00 to .18	95+38 TO 97+08	TRANS NC TO 0.08'/FT	.00 to .38	.00 to .00
16+62 TO 20+30	SUPEREL = 0.06'/FT	.62	.18	97+08 TO 100+52	SUPEREL = 0.08'/FT	.38	.00
20+30 TO 21+55	TRANS 0.06'/FT TO NC	.62 to .00	.18 to .00	100+52 TO 102+22	TRANS 0.08'/FT TO NC	.38 to .00	.00 to .00
21+55 TO 27+57	TRANS NC TO 0.08'/FT	.00 to .22	.00 to .04	102+22 TO 126+69	TRANS NC TO 0.08'/FT	.00 to .00	.00 to .00
27+57 TO 29+27	SUPEREL = 0.08'/FT	.22	.04	126+69 TO 128+39	TRANS NC TO 0.08'/FT	.00 to .00	.00 to .00
29+27 TO 32+66	TRANS 0.08'/FT TO NC	.22 to .00	.04 to .00	128+39 TO 136+34	SUPEREL = 0.08'/FT	.00	.00
32+66 TO 34+36	TRANS NC TO 0.04'/FT	.00 to .08	.00 to .00	136+34 TO 138+04	TRANS 0.08'/FT TO NC	.00 to .00	.00 to .00
34+36 TO 37+11	SUPEREL = 0.04'/FT	.08	.00	138+04 TO 151+58	TRANS NC TO 0.06'/FT	.00 to .81	.00 to .27
37+11 TO 40+83	TRANS 0.04'/FT TO NC	.08 to .00	.00 to .00	151+58 TO 153+33	SUPEREL = 0.06'/FT	.81	.27
40+83 TO 42+08	TRANS NC TO 0.04'/FT	.00 to .49	.00 to .10	153+33 TO 156+67	TRANS 0.06'/FT TO NC	.81 to .00	.27 to .00
42+08 TO 64+94	SUPEREL = 0.04'/FT	.49	.10	156+67 TO 158+42	TRANS NC TO 0.08'/FT	.00 to .92	.00 to .32
64+94 TO 66+44	TRANS 0.04'/FT TO NC	.49 to .00	.10 to .00	158+42 TO 162+10	SUPEREL = 0.08'/FT	.92	.32
66+44 TO 70+31	TRANS NC TO 0.02'/FT	.00 to .22	.00 to .00	162+10 TO 165+19	TRANS 0.08'/FT TO NC	.92 to .00	.32 to .00
70+31 TO 71+81	SUPEREL = 0.02'/FT	.22	.00	165+19 TO 167+34	TRANS 0.08'/FT TO NC	.92 to .00	.32 to .00
71+81 TO 86+67	TRANS 0.02'/FT TO NC	.22 to .00	.00 to .00				
86+67 TO 87+92	SUPEREL = 0.02'/FT	.22	.00				
87+92 TO 91+59	TRANS 0.02'/FT TO NC	.22 to .00	.00 to .00				
91+59 TO 92+84	SUPEREL = 0.02'/FT	.22	.00				

GENERAL NOTES

THE THICKNESS OF THE BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

THE BITUMINOUS SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE BITUMINOUS SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE BITUMINOUS SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

ADDITIONAL BINDER COURSE MATERIAL, AT THE RATE GIVEN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES FOR CROWN CORRECTION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

EXISTING SUPEREL RATES ARE TO BE MATCHED WITH THE FULL DEPTH OF THE APPLICABLE TYPICAL SECTION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

GRANULAR MATERIALS	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL/SQ YD
AGGREGATE (PRIME COAT)	0.002 TONS/SQ YD
BITUMINOUS CONCRETE BINDER AND SURFACE COURSE	112 LBS/SQ YD/INCH
SHORT-TERM PAVEMENT MARKING	4 FT/40 FT EACH APPLICATION

PAVEMENT DESIGN

STA. 10+00 TO STA. 319+92

STRUCTURAL DESIGN TRAFFIC = 2919 (2021)

P_v = 88% (2315) S_v = 10% (263) M_v = 2% (53)

TRAFFIC FACTOR = 0.591

REQUIRED STRUCTURAL NUMBER = 3.80

MINIMUM STRUCTURAL NUMBER PROVIDED = 3.82

SHOULDER WIDENING STRUC. NUMBER PROVIDED = 4.10

TYPICAL SECTIONS AND GENERAL NOTES