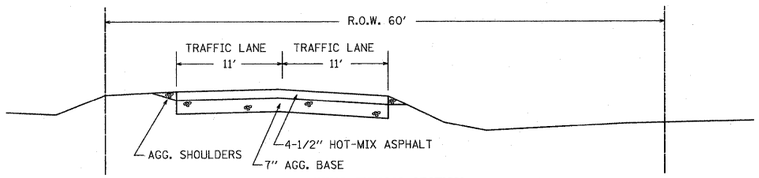
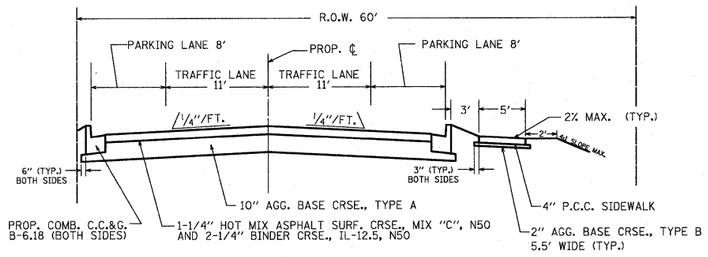
ADAMS ST. WIDENING AND RESURFACING

F.A.U. ROUTE NO.	SECTION	ILLINOIS PROJECT	CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NUMBER
6039	09-00163-00-WR	M-5052(027)	87511	LASALLE	13	3

ADAMS STREET
STATION 0+85 TO STATION 4+55

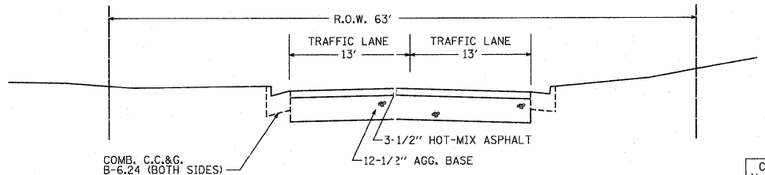


EXISTING TYPICAL SECTION
NOT TO SCALE



PROPOSED TYPICAL SECTION
NOT TO SCALE

ADAMS STREET
STATION 10+80 TO STATION 14+05



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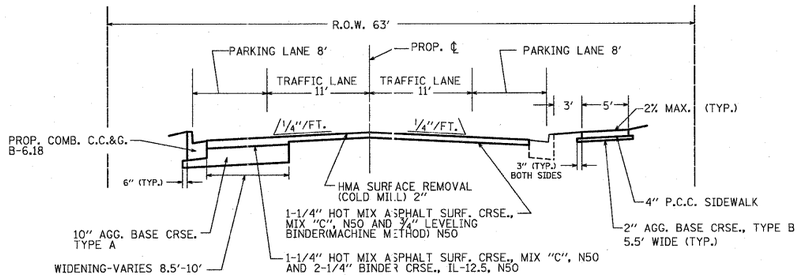


PROPOSED TYPICAL SECTION
NOT TO SCALE

THICKNESS CHECKS & DYNAMIC PENETROMETER ANALYSIS

Core Number	Location Station	Offset	Bituminous	Aggregate Thickness	Subsoil	12" to 18" IBV	18" to 24" IBV	24" to 30" IBV	30" to 36" IBV
C-1	1+50	8' LT	4.75"	7.25"	Gravel	28.2	21.6	4.2	2.3
C-2	5+50	8' LT	3.25"	12.75"	Blk/Br SIC		23.8	21.6	10.4
C-3	9+50	3' RT	3.75"	7.25"	Black SIC	8.2	10.4	8.2	10.4
C-4	13+00	4' RT	3.50"	>12.5"	NA		52.7	14.9	6.1

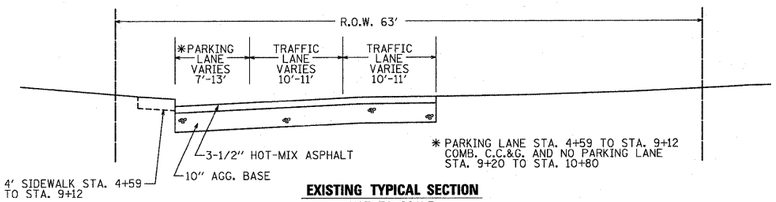
Comments: IBV = Immediate Bearing Value

PAVEMENT DESIGN DATA

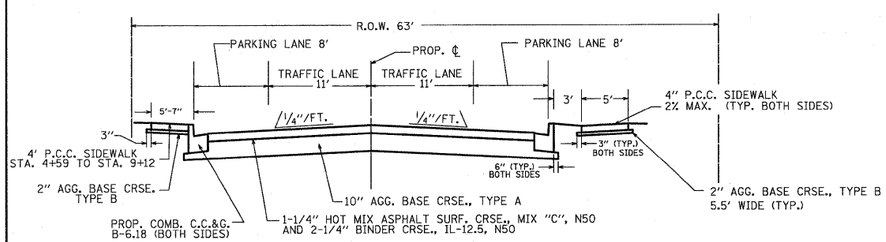
CONVENTIONAL FLEXIBLE PAVEMENT WITH A 80,000 LB. LOAD LIMIT

CLASS III ROAD
ADT (2011) 1,500
DESIGN SPEED 30 MPH
DESIGN PERIOD - 20 YEARS
SDT (2022) - 1,900
PERCENT OF SDT PV = 97.0% SU = 2.5% MU = 0.5%
PV = 1,843 SU = 47 MU = 10
TRAFFIC FACTOR = 0.092 (BLRS MANUAL FIGURE 37-3C)
HMA THICKNESS REQUIRED = 3-1/8" (BLRS MANUAL FIGURE 37-3J)
PAVEMENT STRUCTURE ENHANCEMENT FOR POOR BASE (BLRS MANUAL FIGURE 37-3K)
INCREASE HMA THICKNESS BY 3/8"
INCREASE TYPE A AGGREGATE BASE THICKNESS BY 2"
FINAL PAVEMENT STRUCTURE = 3-1/2" HMA
10" AGGREGATE BASE TYPE A

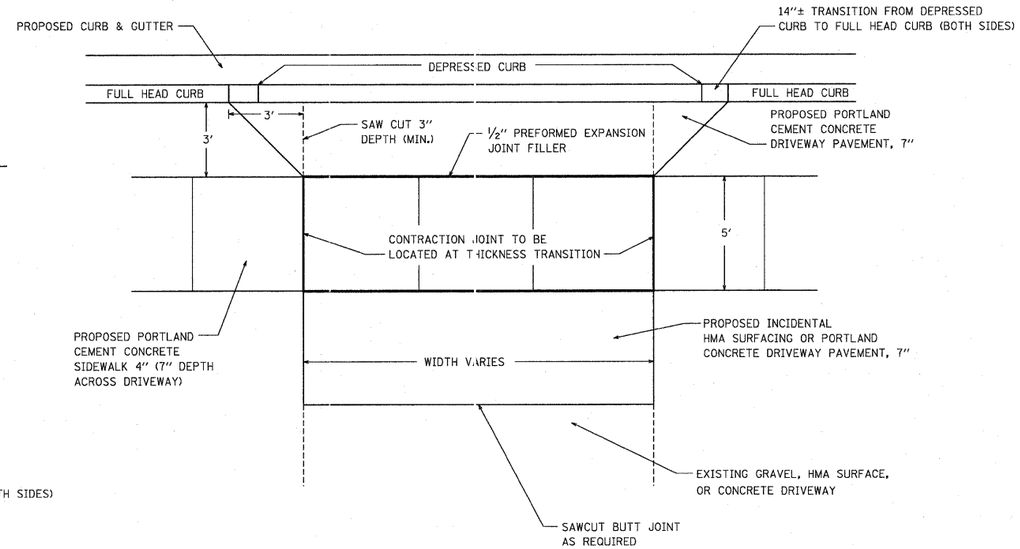
ADAMS STREET
STATION 4+55 TO STATION 10+80



EXISTING TYPICAL SECTION
NOT TO SCALE



PROPOSED TYPICAL SECTION
NOT TO SCALE



TYPICAL DRIVEWAY DETAIL (RIGHT)
NOT TO SCALE

HOT-MIX ASPHALT SPECIFICATIONS

	HMA BINDER COURSE	HMA LEVEL BINDER	HMA SURFACE
PG Grade	PG64-22	PG64-22	PG64-22
Design Air Voids	4.0% @ N50	4.0% @ N50	4.0% @ N50
Mixture Composition	IL 12.5	IL 9.5	IL 9.5
Friction Aggregate			Mixture C
Density Test Method	Nuclear/ Cores	Satisfaction of Engineer	Nuclear/ Cores

Note: Material shall be compacted to 93.0-97.4 percent of the maximum theoretical density, except that when placed as first lift on an unimproved subgrade the minimum percent compaction shall be 92.0 percent. The maximum theoretical density shall be determined from the moving average as specified in the QC/QA Specification.

FILE NO. 09.2.10