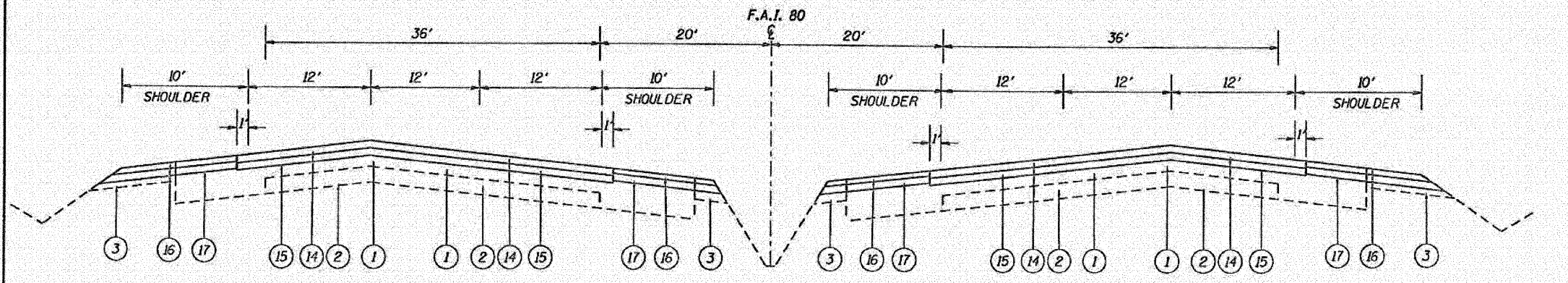


EXISTING ROADWAY SECTION ROUTE I-80
STA. 81+61 TO STA. 405+00



PROPOSED ROADWAY SECTION ROUTE I-80
STA. 81+61 TO STA. 405+00

LEGEND

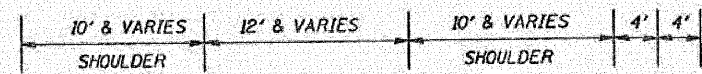
- 1 EXISTING C.R.C PAVEMENT, 10"
- 2 EXISTING SUB-BASE, 4"
- 3 EXISTING STAB. SHOULDER, 14"
- 4 EXISTING HMA SURF. CSE., 1 3/4"
- 5 EXISTING HMA BINDER CSE., 2 1/2"
- 6 EXISTING HMA SHOULDER TYPE A, 6"
- 7 EXISTING AGGREGATE SHOULDER
- 8 EXISTING LEVELING BINDER (MACHINE METHOD) MIX "C"
- 9 EARTH EXCAVATION
- 10 FURNISHED EXCAVATION
- 10A PROPOSED AGGREGATE SHOULDER, TYPE B 8"
- 10B PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B (6")
- 11 PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- 12 PROPOSED HMA SURF. CSE. REMOVAL, 3 3/4"
- 13 PROPOSED HMA SURF. CSE. REMOVAL, 4"
- 14 PROPOSED POLYMERIZED HMA SURF. CSE., SMA, N80 (2")
- 15 PROPOSED POLYMERIZED HMA BINDER CSE., SMA, N80 (2")
- 16 PROPOSED HMA SURF. CSE., MIX "D", N70 (1 1/2")
- 16A PROPOSED HMA SHOULDER, 8"
- 17 PROPOSED HMA BINDER COURSE, IL-19.0, N70 (2 1/4")
- 18 PROPOSED POLYMERIZED HMA SURF. CSE. MIX "F", N90 (1 3/4")
- 19 PROPOSED POLYMERIZED HMA BINDER CSE., IL-19.0, N90 (2 1/4")
- 19A PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B (12")
- 20 PROPOSED WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4"
- 21 PROPOSED WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5"
- 22 PROPOSED TYPE II BARRICADE WITH FLASHING LIGHTS (AT 25' C-C)
- 23 TEMPORARY CONCRETE BARRIER

NOTE:

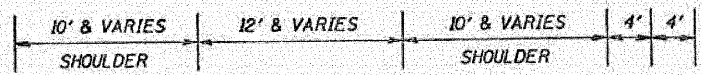
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE AND BINDER COURSE MIXTURES IS 112 LBS/SOYD/IN AND SURFACE COURSE SMA IS 135 LBS/SOYD/IN AND BINDER COURSE SMA IS 112 LBS/SOYD/IN.

* - WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.



EXISTING TYPICAL SECTION FOR THE RAMPS



PROPOSED TYPICAL SECTION FOR THE RAMPS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	THICKNESS	AC/PG	DESIGN AIR VOIDS
MAINLINE RESURFACING			
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80	2"	SBS/SBR PG 76-22	3.5% @ 80 GYR
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80	2"	SBS/SBR PG 76-22	3.5% @ 80 GYR
MAINLINE SHOULDER RESURFACING			
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	1 1/2"	PG 64-22	4% @ 70 GYR
HMA BINDER COURSE, IL-19.0, N70	2 1/4"	PG 64-22*	4% @ 70 GYR
ALL OTHER RAMPS RESURFACING (EXCLUDING I-80 EB TO I-57 NB RAMP B)			
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5 mm) (MAINLINE)	1 3/4"	SBS/SBR PG 70-22	4% @ 90 GYR
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5 mm) (SHOULDER)	1 1/2"	PG 64-22	4% @ 70 GYR
HMA BINDER COURSE, IL-19.0, N70	2 1/4"	PG 64-22*	4% @ 70 GYR
I-80 EB TO I-57 NB RAMP B RESURFACING			
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5 mm)	1 3/4"	SBS/SBR PG 70-22	4% @ 90 GYR
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90	2 1/4"	SBS/SBR PG 70-22	4% @ 90 GYR
I-80 EB TO I-57 NB RAMP B SHOULDER RESURFACING, 8" (EAST SIDE) (FULL DEPTH)			
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	2"	PG 64-22	4% @ 70 GYR
HMA BINDER COURSE (HMA BINDER IL 19mm)	6"	PG 64-22*	4% @ 70 GYR
I-80 EB TO I-57 EB TO I-57 NB RAMP B SHOULDER RESURFACING (WEST SIDE)			
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	1 1/2"	PG 64-22	4% @ 70 GYR
HMA BINDER COURSE, IL-19.0, N70	2 1/4"	PG 64-22*	4% @ 70 GYR
PATCHING			
CLASS D PATCHES (HMA BINDER IL-19 mm)	10"	PG 64-22*	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	2 1/4"	PG 64-22*	4% @ 70 GYR

LOXCO, INC.
CONSULTING ENGINEERS
1550 WALL ST, SUITE 202
HAVERVILLE, ILLINOIS 60565 PH: 630/571-5100

DESIGNED - MJY
DRAWN - ZDA
CHECKED - MJY
DATE - 07/08/2009

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
I-80 (EAST OF 80th AVE TO I-294)

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(95-5-1, ETC, 1819-824) RS-2	WILL & COOK	80	5
C-91-145-09		CONTRACT NO. 60FG1		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		