



TYPICAL SECTION
STA. 112+49.21 TO STA. 125+44.42

LEGEND

- ① EXISTING CONCRETE MEDIAN OR EARTH MEDIAN; SEE PLAN SHEETS FOR LOCATIONS
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ EXISTING STANDARD REINFORCED P.C.C PAVEMENT, 10"
- ④ EXISTING STABILIZED SUB-BASE 4"
- ⑤ EXISTING PIPE UNDERDRAIN 4"
- ⑥ EXISTING HOT-MIX ASPHALT SHOULDERS, VARIES 10"-13"
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ EXISTING CONCRETE BARRIER
- ⑨ EXISTING HOT-MIX ASPHALT RESURFACING, 2 1/2" AND VARIES
- ⑩ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING, 11"
- ⑪ EXISTING HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- ⑫ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑬ EXISTING CONCRETE CURB (STA. 144+84.06 TO STA. 146+68.52)
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/2"
- ⑱ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
- ⑳ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉑ PROPOSED AGGREGATE (PRIME COAT)
- ㉒ EXISTING GUARDRAIL

PROPOSED HMA SURFACE REMOVAL - 2"

MIXTURE CHART

ADT (CONSTRUCTION YR):	16300
MUZ:	2.1
SUZ:	2.4
20 YR. ESAL'S:	2.39

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5 / 9.5	IL 9.5	
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	BAM

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			805	146RS-3	ST. CLAIR	21	5
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			CONTRACT NO. 76D57				
	PLOT DATE = #DATE#	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				