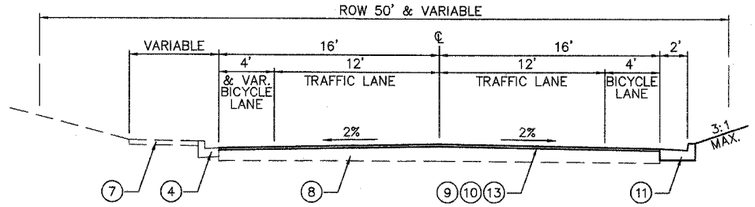
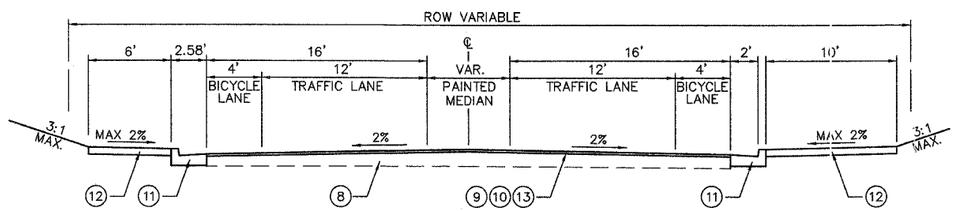
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PROPOSED TYPICAL SECTIONS (POPLAR STREET)				

CONTRACT NO. 97324



PROPOSED TYPICAL SECTION

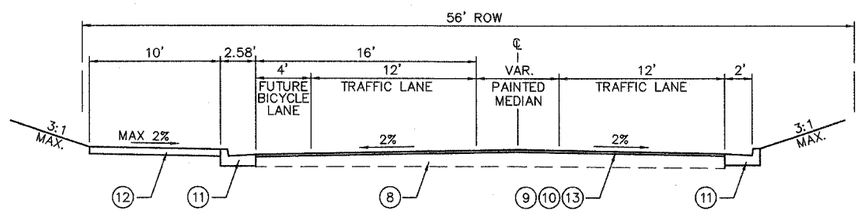
POPLAR STREET
STA. 22+50 TO 25+20
(NOT TO SCALE)



PROPOSED TYPICAL SECTION

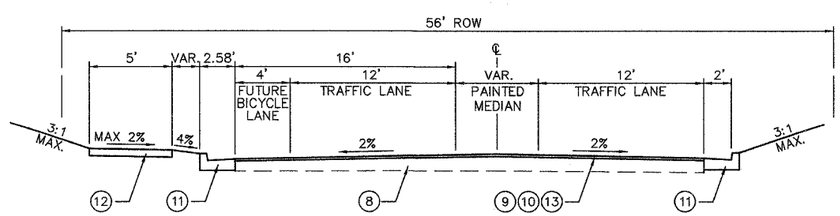
POPLAR STREET
STA. 20+00 TO 22+50
(NOT TO SCALE)

* STA. 17+35 TO STA. 20+00
SEE ROUNDABOUT
DETAIL



PROPOSED TYPICAL SECTION

POPLAR STREET
STA. 16+75 TO 17+35
(NOT TO SCALE)

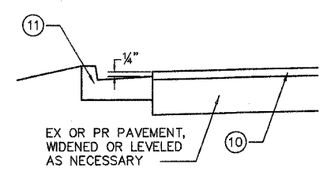


PROPOSED TYPICAL SECTION

POPLAR STREET
STA. 15+50 TO 16+75
(NOT TO SCALE)

LEGEND

1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
2. EXISTING BITUMINOUS AGGREGATE BASE COURSE, 8"
3. EXISTING HOT-MIX ASPHALT SURFACE, 3"
4. EXISTING COMBINATION CONCRETE CURB AND GUTTER
5. EXISTING AGGREGATE SHOULDER
6. EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
7. EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 4"
8. EXISTING PAVEMENT WIDENED AS SHOWN ON THE PLANS
9. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH, MINIMUM THICKNESS 3/4"
10. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
11. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE HIGHWAY STANDARD 606001)
12. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SEE HIGHWAY STANDARD 424001)
13. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH



PROPOSED RESURFACING DETAIL

STRUCTURAL DESIGN DATA

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 12,050 (S.D.T.) YEAR = 2018

P.V. 11,604 (96.3%) S.U. = 325 (2.7%) M.U. 121 (1.0%)

TRAFFIC FACTOR (T.F.) = 0.85

SUBGRADE SUPPORT RATING = POOR

USE: 1½" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
9" HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70
12" SUB-BASE GRANULAR MATERIAL, TYPE A 12"

HOT-MIX ASPHALT MIX DESIGN DATA

MIXTURE USE:	BASE CSE WD	SURF CSE	BINDER CSE	LEVEL BIND	INCIDENTAL
AC/PG:	PG 64-22	SBS PG 70-22	PG 64-22	PG 64-22	PG 64-22
MAX. RAP %:	15%	10%	15%	10%	10%
DESIGN AIR VOIDS:	4% @ Ndes=70	4% @ Ndes=70	4% @ Ndes=70	4% @ Ndes=70	4% @ Ndes=70
MIXTURE COMPOSITION:			IL 19.0		
FRICTION AGGREGATE:	BSE CSE	MIXTURE D	MIXTURE B	MIXTURE C	MIXTURE C

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
AREAS CHECKED		
NO.		