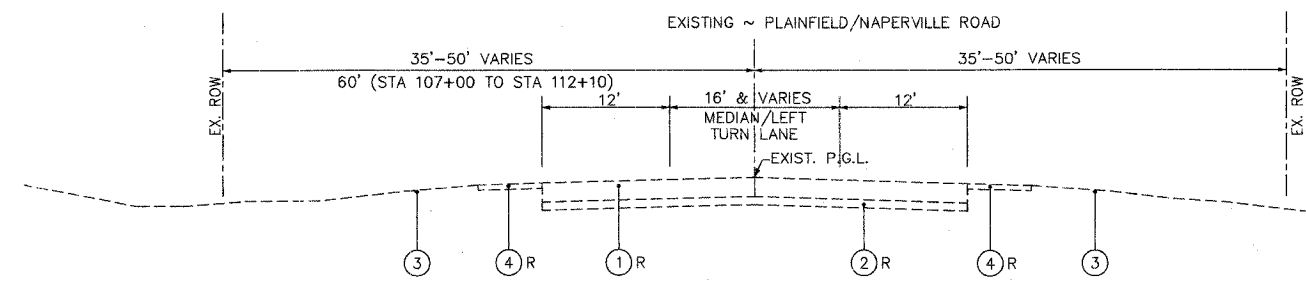
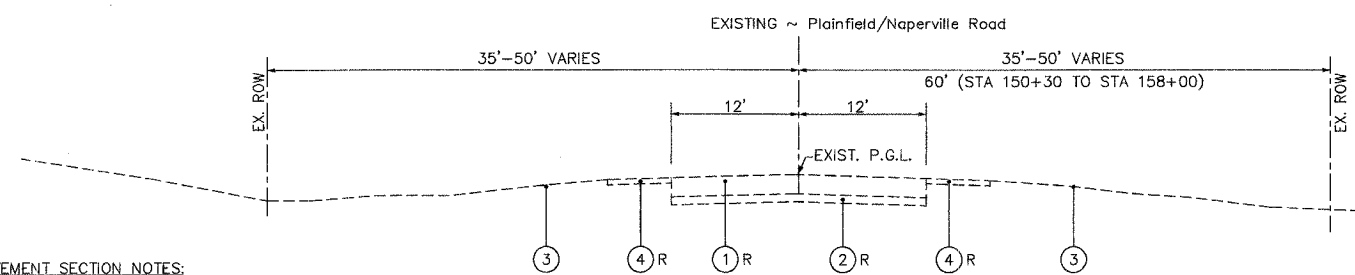


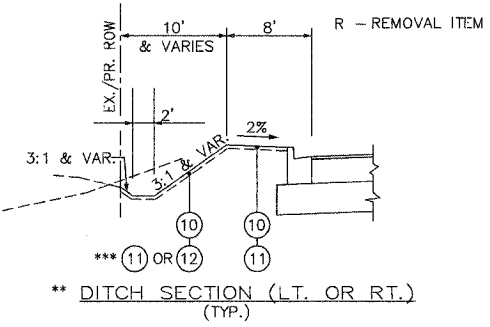
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 2545	*	WILL	147	22
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
* 98-00036-19-FP		CONTRACT NO. 83896		



**EXISTING ROADWAY TYPICAL SECTION**  
 STA. 70+50 TO 78+00  
 STA. 90+00 TO 97+00  
 STA. 119+00 TO 128+00  
 STA. 137+00 TO 147+00  
 STA. 152+00 TO 158+00



**EXISTING ROADWAY TYPICAL SECTION**  
 STA. 78+00 TO 90+00  
 STA. 107+00 TO 119+00  
 STA. 128+00 TO 137+00  
 STA. 147+00 TO 152+00



**\*\* DITCH SECTION (LT. OR RT.) (TYP.)**

**NOTE:**  
 1. EXISTING PAVEMENT TO BE REMOVED FROM STA 70+50 TO STA 158+00, EXCEPT: (CONTRACT OMISSION STA 97+00 TO STA 107+00)

- EXISTING:**
- ① EXISTING BITUMINOUS CONCRETE PAVEMENT (9"-11")
  - ② EXISTING SAND BASE COURSE MATERIAL (3"-7")
  - ③ EXISTING TOPSOIL TO BE REMOVED AND STOCKPILED AS DIRECTED BY THE ENGINEER.
  - ④ AGGREGATE/BITUMINOUS SHOULDER

**LEGEND**

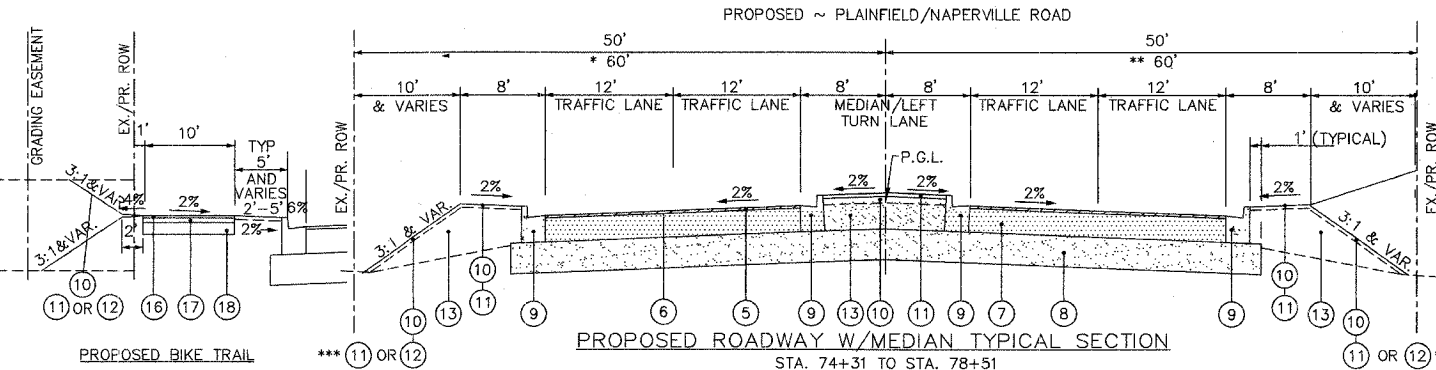
- PROPOSED:**
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, 2" MIX "D", N70
  - ⑥ BITUMINOUS MATERIALS (PRIME COAT)
  - ⑦ HOT-MIX ASPHALT BINDER COURSE, 13" IL 19.0, N70,
  - ⑧ AGGREGATE SUBGRADE, 12"
  - ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24
  - ⑩ TOPSOIL PLACEMENT, 6" REFER TO SPECIAL PROVISION FOR TOPSOIL EXCAVATION AND PLACEMENT.
  - ⑪ SODDING, SALT TOLERANT
  - ⑫ SEEDING, CLASS 2A
  - ⑬ FURNISHED EXCAVATION
  - ⑭ RETAINING WALL - SEE STRUCTURAL PLANS FOR DETAILS
  - ⑮ SEEDING CLASS 4A
  - ⑯ HOT-MIX ASPHALT SURFACE COURSE 2" MIX "D", N70
  - ⑰ HOT-MIX ASPHALT BINDER COURSE 2 1/4" IL 19.0, N70,
  - ⑱ AGGREGATE SUBGRADE, 9"

- PAVEMENT SECTION NOTES:**
- STA 70+50 TO STA 71+50 PAVEMENT TRANSITIONS FROM 31'-0" WIDE TO 32'-0" WIDE LT. AND RT.
  - STA 70+50 TO 75+40 FULL S.E. SECTION S= 2.65% TO LEFT
  - STA 75+40 TO STA 78+40 S.E. TRANSITION 2.65% SLOPE TO NORMAL CROWN. (REFER TO PLANS AND CROSS SECTIONS FOR PAVEMENT SLOPES).

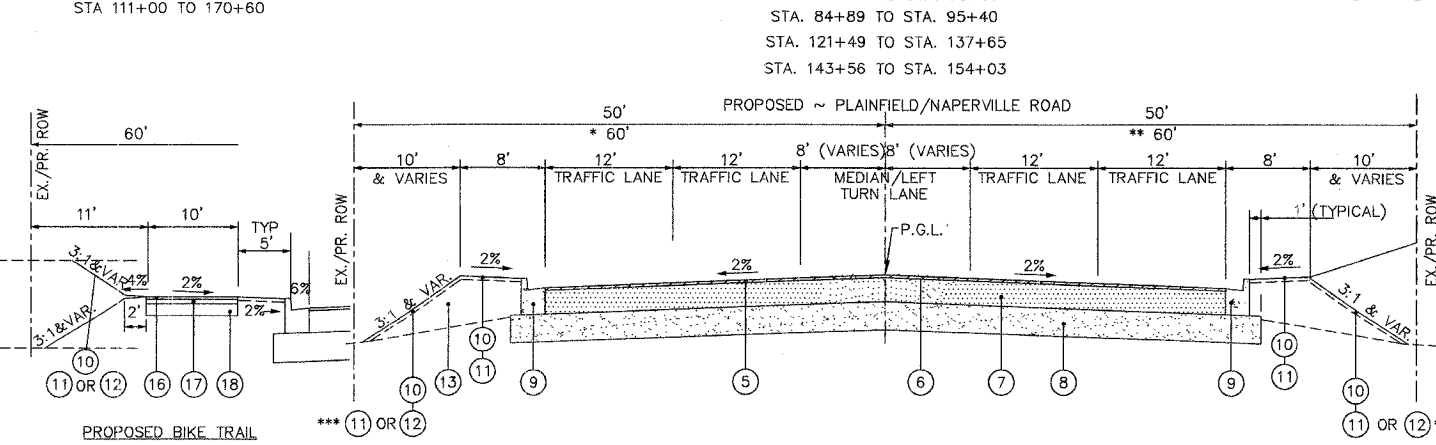
**HIGH TRUCK TRAFFIC PAVEMENT DESIGN**

POSTED SPEED LIMIT: 45 MPH	IBR
DESIGN SPEED: 45 MPH	2.0
TRAFFIC DATA:	TRAFFIC FACTOR
ADT (2025) = 22,000	10.0
DESIGN DESIGNATION	STRUCTURAL NUMBER
ADT-22,000(2025) MINOR ARTERIAL CLASS I	6.5
FIVE-LANE FACILITY	

- NOTES:**
- THE PROPOSED BITUMINOUS PAVEMENT CONSISTS OF 2" BITUMINOUS CONCRETE SURFACE COURSE AND 13" BITUMINOUS CONCRETE BINDER COURSE. PER THE SPECIFICATIONS, THESE ITEMS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR: BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), 15"
  - THE CONTRACTOR IS REQUIRED TO PROVIDE A SUPERSTRUCTURE RATING COURSE AGGREGATE IN THE RETAINING WALL CONCRETE MIXTURE. THIS MATERIAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE STRUCTURES.



**PROPOSED ROADWAY W/MEDIAN TYPICAL SECTION**  
 STA. 74+31 TO STA. 78+51  
 STA. 84+89 TO STA. 95+40  
 STA. 121+49 TO STA. 137+65  
 STA. 143+56 TO STA. 154+03



**PROPOSED ROADWAY W/O MEDIAN TYPICAL SECTION**  
 STA. 70+50 TO STA. 74+30  
 STA. 78+52 TO STA. 84+88  
 STA. 95+41 TO STA. 121+48  
 STA. 137+65 TO STA. 143+55  
 STA. 154+03 TO STA. 166+60.30

HOT MIX ASPHALT MIXTURE REQUIREMENTS		
ITEM	AC-TYPE	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2" (IL 9.5 mm)	PG 64-22	4% @ 70 GYRATION
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70; 13" (21/4" ON BIKE TRAIL)	PG 64-22/58-22 *	4% @ 70 GYRATION
HOT-MIX ASPHALT SHOULDERS, 6"	PG 64-22/58-22 *	2% @ 30 GYRATION
HOT-MIX ASPHALT BASE COURSE, 6" (BINDER IL-19)	PG 64-22/58-22 *	4% @ 50 GYRATION
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50; 2" (IL-9.5 mm) (NAPERVILLE PUBLIC WORKS DRIVE)	PG 64-22	4% @ 50 GYRATION
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (NAPERVILLE PUBLIC WORKS DRIVE)	PG 64-22/58-22 *	4% @ 50 GYRATION
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2" (TEMPORARY PAVEMENT)	PG 64-22	4% @ 50 GYRATION
HMA BASE COURSE, 10" (BINDER IL-19) (TEMPORARY PAVEMENT)	PG 64-22/58-22 *	4% @ 50 GYRATION

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB./SQ. YD./IN.  
 \* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

WILL COUNTY DEPARTMENT OF HIGHWAYS  
 PLAINFIELD-NAPERVILLE ROAD (C.H. 14)  
 ROADWAY RECONSTRUCTION  
 ROADWAY TYPICAL SECTIONS

McDonough Associates Inc. ENGINEERS/ARCHITECTS  
 DESIGNED BY: N.J.L.  
 CHECKED BY: N.J.L.  
 DRAWN BY: J.T.F.  
 SCALE: N.T.S.

G:\20030023 - Plainfield-Naperville Road\dwg\TYP-SECTION.dwg  
 PLOT DATE: 07/08/05 - 10:28  
 DRAWING ID: 20030023  
 PLOT DATE: 07/08/05 - 10:28