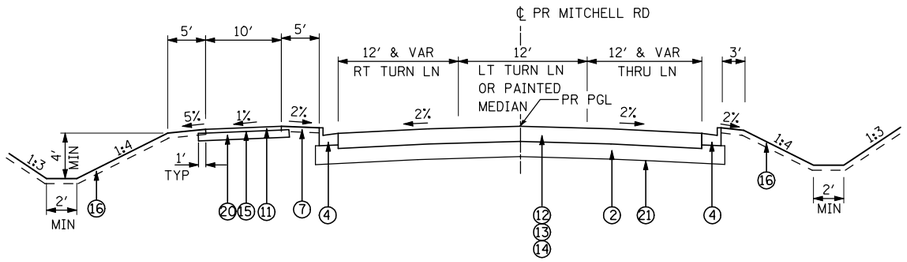
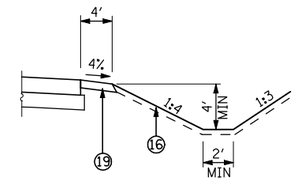


MITCHELL ROAD – PROPOSED TYPICAL SECTION

STA 232+01.19 TO STA 238+75



MITCHELL ROAD – AGG SHLD DETAIL

LT STA 235+28.71 TO STA 238+75.00
RT STA 232+72.73 TO STA 238+75.00

PROPOSED LEGEND:

1. PCC PAVEMENT (JOINTED) SEE TABLE THIS SHEET FOR THICKNESS
2. AGGREGATE SUBGRADE IMPROVEMENT, 12" AND VARIES (SEE PAVEMENT SCHEDULE)
3. BRICK PAVERS
4. COMBINATION CONCRETE CURB AND GUTTER B-6.24
5. COMBINATION CONCRETE CURB AND GUTTER B-6.12
6. PORTLAND CEMENT CONCRETE SHOULDER, 9¾"
7. TOPSOIL EXCAVATION AND PLACEMENT, 4"
8. CONCRETE MEDIAN, TYPE SB (SPECIAL)
9. COMBINATION CONCRETE CURB AND GUTTER B-6.18
10. PCC SIDEWALK, 5"
11. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 FG, N50, 3"
12. HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50, 2"
13. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"
14. BITUMINOUS MATERIAL (PRIME COAT)
15. CONCRETE MEDIAN, TYPE SB
16. TOPSOIL EXCAVATION AND PLACEMENT, 8"
17. #6 DOWEL BARS, 2' LONG @ 2' C-C (INCLUDED IN COST OF PCC PAVEMENT)
18. PIPE UNDERDRAIN, 4"
19. AGG SHLD, TY A, 6"
20. AGGREGATE BASE COURSE, TYPE B, 6"
21. GEOTECHNICAL REINFORCEMENT UNDER 12" SUBGRADE
22. #6 DOWEL BARS, 2' LONG @ 2' C-C (INCLUDED IN COST OF CONCRETE MEDIAN, TYPE SB (SPECIAL))
23. AGGREGATE BASE COURSE, TYPE A, 8"

HMA PAVEMENT THICKNESS TABLE

ROADWAY	THICKNESS
MITCHELL RD	5"

MITCHELL RD. FLEXIBLE PAVEMENT

STRUCTURAL DESIGN TRAFFIC: YEAR 2021
PV = 49603 SU = 460 MU = 333
ROAD/STREET CLASSIFICATION: CLASS I
P = 32% S = 45% M = 45%
TRAFFIC FACTOR: ACTUAL TF = 8.83 AC TYPE = N/A
MINIMUM TF = 5.02
PG GRADE: BINDER = N/A SURFACE = N/A
SUBGRADE SUPPORT RATING:
SSR = POOR
IBR = 6.0

FILE NAME = ...\CADD\CADD SHEETS\Z00793TYP.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - LMP	REVISED -
THE UPCHURCH GROUP, INC.	PLOT SCALE = 20.0000 ' / IN.	CHECKED - RMH	REVISED -
	PLOT DATE = 5/2/2013 11:15:03 AM	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
PROPOSED MITCHELL ROAD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	45
		CONTRACT NO. 64988		
	ILLINOIS	FED. AID PROJECT		