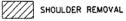
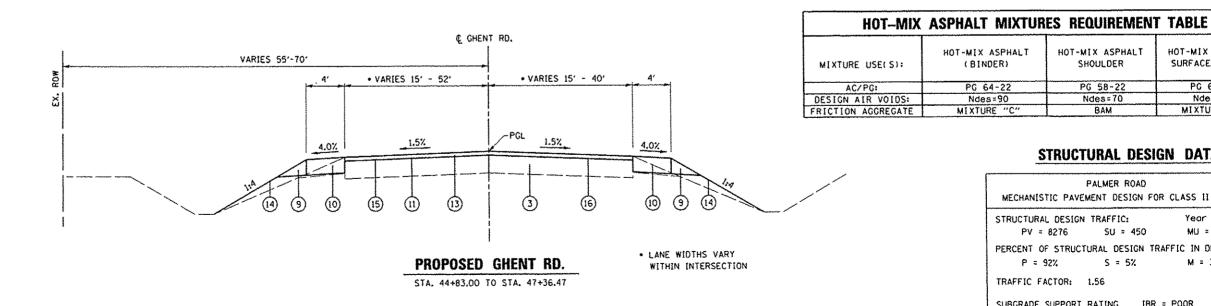
TYPICAL SECTION LEGEND (1) EXISTING HOT-MIX ASPHALT SHOULDER (2) EXISTING AGGREGATE SHOULDER (3) EXISTING HOT-MIX ASPHALT (4) EXISTING CURB AND GUTTER, TYPE 8-6.24 (5) EXISTING CURB AND GUTTER, TYPE 8-6.06 (6) EXISTING CONCRETE MEDIAN SURFACE (7) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 8 PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2" (9) PROPOSED AGGREGATE SHOULDERS, TYPE B (10) PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" ¢ PALMER RD. (1) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 2" VARIES 75'-110' (12) PROPOSED PIPE UNDERDRAIN, 4" (13) PROPOSED HMA SURFACE REMOVAL, 2" VARIES 15'-27' 12' 151 2,5' VARIES | 5'-52' (4) PROPOSED COMPOST FURNISH AND PLACE, 2" (15) PROPOSED BITUMINOUS MATERIALS (PRIME COAT) ~PGL 1.5% VARIES 2.60% TO 5.16% 4.0% (16) PROPOSED AGGREGATE (PRIME COAT) 4.0% 12" (11) (13) **61** PROPOSED PALMER ROAD STA. 52+65.02 TO STA. 59+08.80



TYPICAL SECTION NOTES

[] GRASS MEDIAN FROM STATION 52+88.82 TO 56+30.62



STRUCTURAL DESIGN DATA

PALMER ROAD

HOT-MIX ASPHALT

SHOULDER

PG 58-22

Ndes=70

MECHANISTIC PAVEMENT DESIGN FOR CLASS II ROADWAY

STRUCTURAL DESIGN TRAFFIC:

Year 2022 MU = 270

PV = 8276 SU = 450

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

HOT-MIX ASPHALT

SURFACE COURSE

PG 64-22

Ndes=70

MIXTURE "D"

M = 3%S = 5% P = 92%

TRAFFIC FACTOR: 1.56

HOT-MIX ASPHALT

(BINDER)

PG 64-22

Ndes=90

MIXTURE "C"

SUBGRADE SUPPORT RATING IBR = POOR

PAVEMENT STRUCTURE:

2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 9 1/2" HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90

FILE NAME = USER NAME & default DESIGNED . REVISED . ngb,faorqys-the-800018 PLOT TIME = 9:16:39 AM REVISEO PLOT SCALE = 100.0000 ' / IN. CHECKED REVISED PLOT DATE = 7/19/2012 DATE REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PROPOSED	TYPICAL	SECTIONS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SH
9300	10-00048-01-PV	MONROE	33	(
		CONTRAC	NO. 9	175

TO STA. SHEET 04 OF 04 SHEETS STA.

ILLINOIS FEO. AID PROJECT