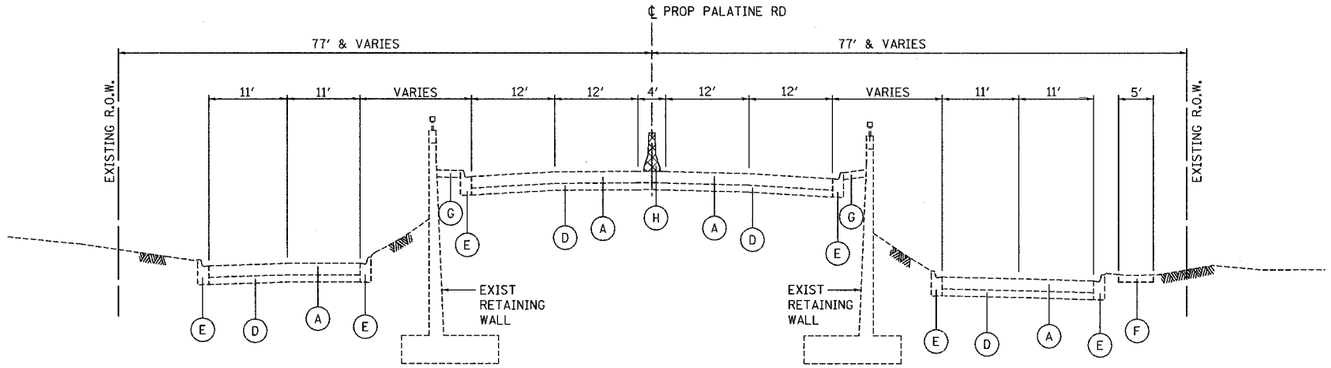
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	1313.1 B	COOK	193	12

CONTRACT NO. 62878



EXISTING TYPICAL SECTION

NORTH FRONTAGE ROAD	PALATINE ROAD	SOUTH FRONTAGE ROAD
STA 3357+45 TO STA 3359+35	STA 357+45.00 TO STA 358+16.25	STA 2357+45 TO STA 2360+50
STA 3366+05 TO STA 3370+30	STA 369+55.00 TO STA 370+30.00	STA 2366+05 TO STA 2370+30

PROPOSED TYPICAL SECTION

NORTH FRONTAGE ROAD	PALATINE ROAD	SOUTH FRONTAGE ROAD
STA 3357+45 TO STA 3359+35	STA 357+45.00 TO STA 358+16.25	STA 2357+45 TO STA 2360+50
STA 3366+05 TO STA 3370+30	STA 369+55.00 TO STA 370+30.00	STA 2366+05 TO STA 2370+30

MIXTURE TYPE	AC	RAP % MAX	AIR VOIDS
PROPOSED BITUMINOUS PAVEMENT (MAINLINE):			
POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90 (1.75")	PG 76-22	0	4%@90 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 (0.75")	SBS/SBR PG 76-28	0	2.5%@50 GYR
BITUMINOUS CONCRETE, BINDER COURSE, SUPERPAVE, IL-19.0 N90 (0" - 12.5")	PG 64-22	15	4%@70 GYR
PROPOSED BITUMINOUS PAVEMENT (FRONTAGE ROAD):			
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70 (1.5")	PG 64-22	10	4%@70 GYR
BITUMINOUS CONCRETE, BINDER COURSE, SUPERPAVE, IL-19.0 N90 (8.5")	PG 64-22	15	4%@70 GYR
PROPOSED DRIVEWAYS:			
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	15	4%@50 GYR
BITUMINOUS BASE COURSE, SUPERPAVE	PG 58-22	50	2%@50 GYR
CLASS D PATCHES:	PG 64-22	15	4%@70 GYR
TEMPORARY PAVEMENT:			
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50 (1.75")	PG 64-22	15	4%@50 GYR
BITUMINOUS BASE COURSE SUPERPAVE (4")	PG 58-22	50	2%@50 GYR

UNIT WEIGHT FOR ALL BITUMINOUS SURFACE MIX IS 112 LBS/SQ YD/IN

EXISTING LEGEND

- (A) PORTLAND CEMENT CONCRETE PAVEMENT (10-INCH)
- (B) BITUMINOUS CONCRETE SURFACE (2.5-INCH AND VARIES)
- (C) PORTLAND CEMENT CONCRETE BASE COURSE (9-INCH)
- (D) SUB-BASE GRANULAR MATERIAL (6-INCH)
- (E) COMBINATION CONCRETE CURB AND GUTTER (VARIES)
- (F) SIDEWALK
- (G) BITUMINOUS/CONCRETE MEDIAN SURFACE
- (H) CONCRETE BARRIER AND BASE

REMOVAL ITEM

PROPOSED LEGEND

- (1) TOPSOIL FURNISH AND PLACE, 4" & SODDING, SALT TOLERANT
- (2) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (3) CONSTRUCTION JOINT WITH #6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE INCLUDED IN THE COST OF COMB, CURB AND GUTTER
- (4) CONSTRUCTION JOINT WITH #8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE INCLUDED IN THE COST OF PCC PAVEMENT
- (5) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- (8) STEEL PLATE BEAM GUARD RAIL, TYPE A
- (9) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D" N70 (1.5")
- (10) POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90 (1.75")
- (11) BITUMINOUS CONCRETE, BINDER COURSE, SUPERPAVE, IL-19.0 N90 (0"-12.5")
- (12) POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 (0.75")
- (13) TEMPORARY CONCRETE BARRIER, FURNISH AND INSTALL
- (14) AGGREGATE SUBGRADE 12"

STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL TRAFFIC: YEAR 2016
PV = 46,485 SU = 730 MU = 1,460
ROAD/STRUEET CLASSIFICATION: CLASS 1
P = 32% S = 45% M = 45%
TRAFFIC FACTOR: Actual TF = 7.26 AC Type = 20
Minimum TF = 4.27
AC GRADE: Binder = PG 64-22 Surface = PG 64-22
SUBGRADE SUPPORT RATING:
SSR = 2.00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PALATINE ROAD OVER IL 83 (ELMHURST RD.)

TYPICAL SECTIONS

SCALE: NTS
DATE 12/04
DRAWN BY ACE/CAD
CHECKED BY TAE

AMERICAN CONSULTING ENGINEERS

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