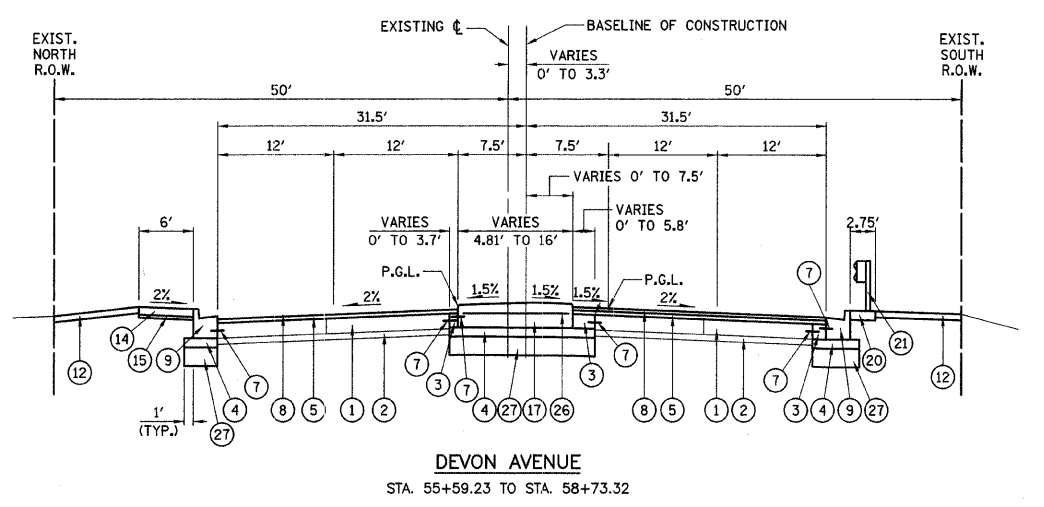
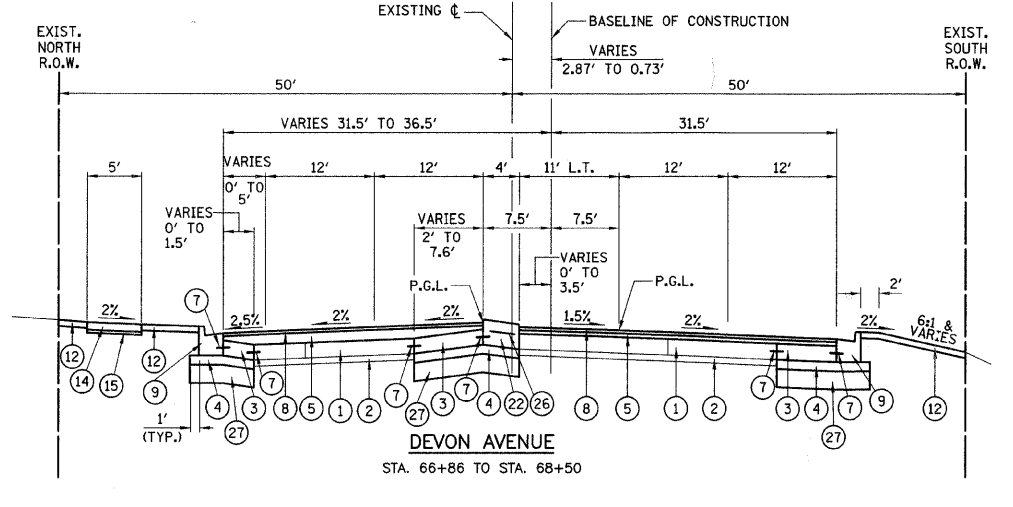


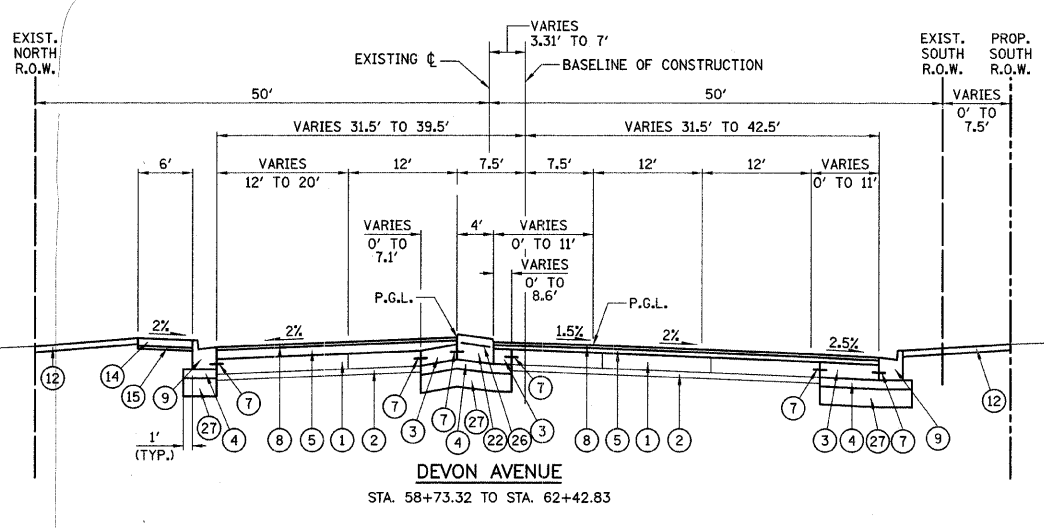
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2626	05-00050-00-CH	COOK/DUPAGE	94	13
STA. 60+00		TO STA. 65+50		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(569)				



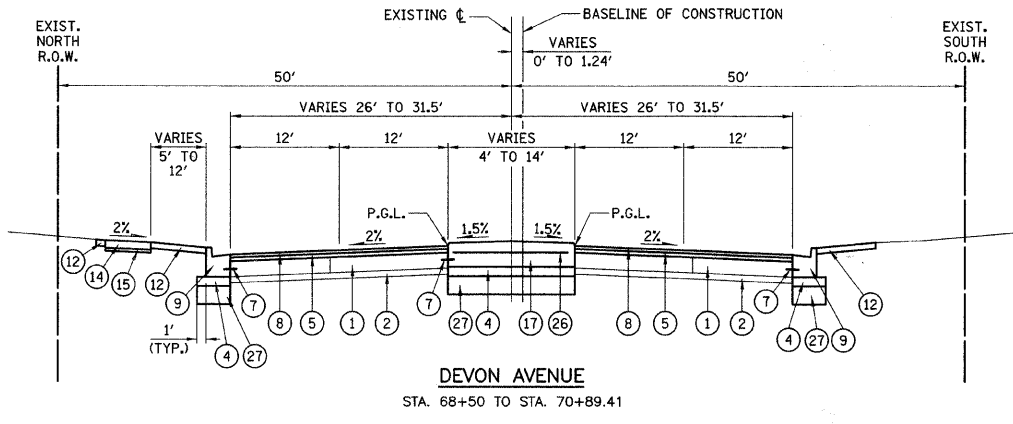
DEVON AVENUE
STA. 55+59.23 TO STA. 58+73.32



DEVON AVENUE
STA. 66+86 TO STA. 68+50



DEVON AVENUE
STA. 58+73.32 TO STA. 62+42.83



DEVON AVENUE
STA. 68+50 TO STA. 70+89.41

HOT MIX ASPHALT MIXTURE REQUIREMENT

PAY ITEM	AC TYPE	VOIDS
HOT-MIX ASPHALT RESURFACING (DEVON AVENUE)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 MM) (1 3/4" THICKNESS)	SBS/SBR PG 70-22	4% @ 90 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4" THICKNESS, MIN.)	SBS/SBR PG 70-22	4% @ 90 GYR.
HOT-MIX ASPHALT RESURFACING (ARLINGTON HEIGHTS ROAD)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 19MM) (1 3/4" THICKNESS)	PG 64-22	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/4" THICKNESS, MIN.)	PG 64-22*	4% @ 70 GYR.
LEVELING BINDER (TURNER AVENUE)		
LEVELING BINDER (MACHINE METHOD), N50 (IL 19MM)	PG 64-22*	4% @ 50 GYR.
HOT-MIX ASPHALT MEDIAN SURFACE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5MM) (1 1/2" THICKNESS)	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL 19MM) (8" THICKNESS)	PG 64-22*	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDERS		
HOT-MIX ASPHALT SHOULDER (6" THICKNESS)	PG 64-22*	2% @ 30 GYR.
HOT-MIX ASPHALT DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5MM) (1 1/2" THICKNESS)	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 MM) (8" THICKNESS)	PG 64-22*	4% @ 50 GYR.

NOTE: THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

PAVEMENT DESIGN

ITEM	DEVON AVENUE		ARLINGTON HEIGHTS ROAD	
	WEST LEG	EAST LEG	NORTH LEG	SOUTH LEG
STRUCTURAL DESIGN TRAFFIC (2024)	30,833	30,833	24,333	24,333
ROAD CLASSIFICATION	I	I	I	I
PASSENGER CARS	30,279	27,534	23,992	23,457
SINGLE UNITS	370	2,189	226	584
MULTIPLE UNITS	184	1,110	115	292
TRAFFIC FACTOR	1.25	7.36	0.77	1.96
DESIGN THICKNESS	20	20	20	20

THICKNESS = (HMA SURF + HMA BIND + PCC BASE CSE + AGG SUB-GRADE) INCHES

LEGEND

- 1 EXISTING CONCRETE PAVEMENT (TO REMAIN IN PLACE)
- 2 EXISTING GRANULAR SUB-BASE (TO REMAIN IN PLACE)
- 3 PROPOSED P.C. CONCRETE BASE COURSE, 10"
- 4 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- 5 PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (VAR. THICKNESS, MIN. 2.25")
- 6 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (VAR. THICKNESS, MIN. 2.25")
- 7 PROPOSED #6 TIE BAR, 24" LONG @ 30" C-C (DRILLED & GROUTED) (EMBED 8" MIN)
- 8 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (1 3/4")
- 9 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (FLAG DEPTH = 14")
- 10 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12 (FLAG DEPTH = 14")
- 11 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 2"
- 12 PROPOSED 4" TOPSOIL & SODDING
- 13 PROPOSED HOT-MIX ASPHALT BASE COURSE, 8"
- 14 PROPOSED P.C. CONCRETE SIDEWALK 5", SPECIAL
- 15 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B 2" (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL)
- 16 PROPOSED CONCRETE MEDIAN, TYPE SB-6.12
- 17 PROPOSED CORRUGATED MEDIAN
- 18 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 3/4")
- 19 PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- 20 PROPOSED HOT-MIX ASPHALT SHOULDERS, 6"
- 21 PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A
- 22 PROPOSED CONCRETE MEDIAN, TYPE C-4
- 23 LONGITUDINAL CONSTRUCTION JOINT - TYPE B (SEE SHEET NO. 75)
- 24 PROPOSED 6" TOPSOIL & SODDING
- 25 PROPOSED 6" TOPSOIL & SODDING, SALT TOLERANT
- 26 PROPOSED PAVEMENT FABRIC
- 27 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL POROUS GRANULAR EMBANKMENT, SUBGRADE SEE ROADWAY SOILS INVESTIGATION BY MIDLAND STANDARD ENGINEERING & TESTING, INC. DATED JUNE 10, 2008 AND THE CROSS SECTIONS FOR ADDITIONAL INFORMATION.

P.G.L. PROPOSED PROFILE GRADE LINE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL SECTIONS
DEVON AVENUE

DATE: 5/27/08
DESIGNED BY: KRK
CHECKED BY: DJK