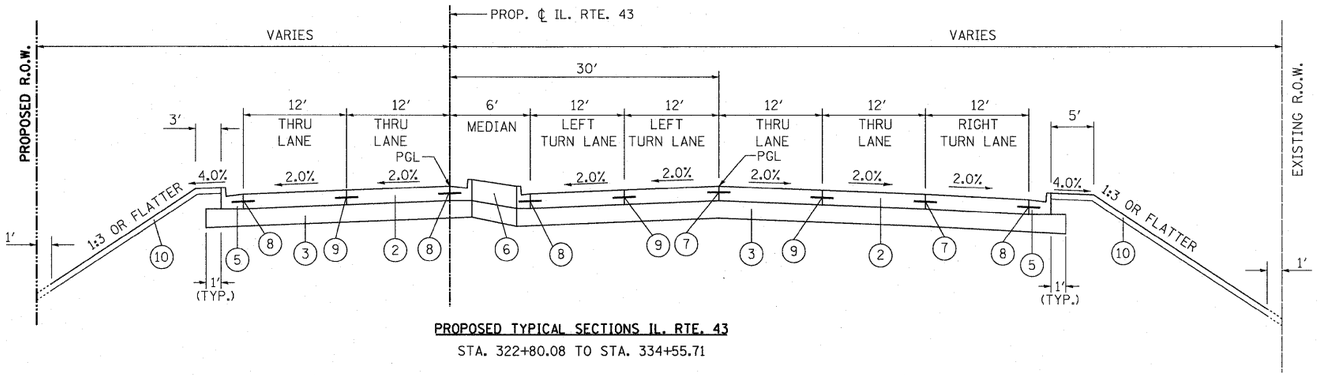
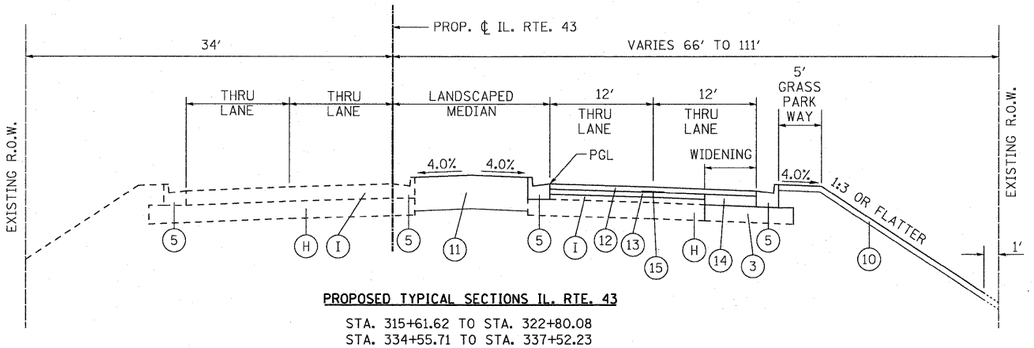


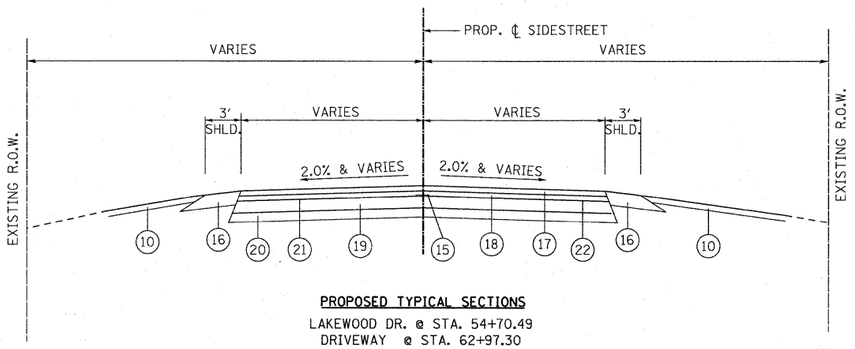
PROPOSED TYPICAL SECTIONS IL. RTE. 43

STA. 322+80.08 TO STA. 334+55.71



PROPOSED TYPICAL SECTIONS IL. RTE. 43

STA. 315+61.62 TO STA. 322+80.08
STA. 334+55.71 TO STA. 337+52.23



PROPOSED TYPICAL SECTIONS

LAKEWOOD DR. @ STA. 54+70.49
DRIVEWAY @ STA. 62+97.30
BROADLEYS CT. @ STA. 92+84.85
WILDWOOD DR. @ STA. 114+35.12

ITEMS WITH (R) ARE TO BE REMOVED

THE CONTRACTOR SHALL HAVE THE OPTION OF USING PCC PAVEMENT 10" OR HOT-MIX ASPHALT PAVEMENT 8" FOR TEMPORARY PAVEMENT AS SPECIFIED IN THE SPECIAL PROVISION AND THE MIXTURE REQUIREMENT TABLE ABOVE.

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

EXISTING:

(A) EXISTING AGGREGATE SUBBASE (R)
(B) EXISTING CONCRETE MEDIAN SURFACE, 4" (R)
(C) EXISTING PCC PAVEMENT VARIES FROM 6 1/2" TO 19 1/4" (R)
(D) EXISTING AGGREGATE SHOULDERS, 4 (R)
(E) EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24 OR TYPE B-6.12 (R)
(F) EXISTING BITUMINOUS SURFACE REMOVAL 2 1/2"
(G) EXISTING CURB AND GUTTER TO REMAIN
(H) EXISTING AGGREGATE SUBBASE TO REMAIN
(I) EXISTING BITUMINOUS PAVEMENT TO REMAIN
(J) EXISTING 5' SIDEWALK TO REMAIN

PROPOSED

(1) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
(2) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
(3) PROPOSED AGGREGATE SUBGRADE 12"
(4) PROPOSED HOT- MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
(4A) PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
(5) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24 OR TYPE B-6.12
(6) PROPOSED COMBINATION CURB & GUTTER BARRIER MEDIAN, TYPE SB-6.24
(7) PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 1" x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
(8) PROPOSED LONGITUDINAL CONSTRUCTION JOINT WITH NO. 3/4" x 24" EPOXY COATED DEFORMED TIE BARS AT 24" CENTERS
(9) PROPOSED SAWED LONGITUDINAL JOINT WITH NO. 3/4" x 30" EPOXY COATED DEFORMED TIE BARS AT 30" CENTERS
(10) PROPOSED TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT OR SEEDING, CLASS 2A OR SEEDING, CLASS 4A
(11) PROPOSED TOPSOIL FURNISH AND PLACE, 24" AND SEEDING CLASS 2A
(12) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
(13) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
(14) PROPOSED HOT-MIX ASPHALT BASE COURSE, WIDENING 8"
(15) PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
(16) PROPOSED AGGREGATE SHOULDER - TYPE B, 8"
(17) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
(18) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4" MIN.
(19) PROPOSED HOT-MIX ASPHALT BASE COURSE, 6"
(20) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
(21) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
(22) PROPOSED AGGREGATE (PRIME COAT)

HMA MIXTURE REQUIREMENTS CHART		
MIXTURE TYPE	AIR VOIDS	THICKNESS
ROADWAY RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5mm)	4% @ 90 GYR.	1 3/4"
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR.	3/4"
ROADWAY WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5mm)	4% @ 90 GYR.	1 3/4"
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19mm)	4% @ 90 GYR.	8"
ROADWAY RECONSTRUCTION (SIDE STREETS)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm)	4% @ 50 GYR.	1 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	4% @ 50 GYR.	2 1/4"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL-19mm)	4% @ 50 GYR.	6"
BIKE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL-9.5mm)	4% @ 50 GYR.	2"
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL-9.5mm)	4% @ 50 GYR.	2"
HOT-MIX ASPHALT BASE COURSE	4% @ 50 GYR.	8"
PAVEMENT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	13"
PAVEMENT REPLACEMENT	4% @ 70 GYR.	8"-13"
HOT-MIX ASPHALT SHOULDERS	4% @ 50 GYR.	8"
INCIDENTAL HOT-MIX ASPHALT SURFACING	4% @ 70 GYR.	2 1/2"

FILE NAME = W:\ILRTE22_2009 REVISIONS\CADD Sheets\revised sheets\D160860-sht-typical.dgn	USER NAME = pociecha	DESIGNED - LP	REVISED - 07/26/2010	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**IL. ROUTE 43 AND SIDE STREETS PROPOSED TYPICAL SECTIONS**
	PLOT SCALE = 50.0000 ' / IN.	DRAWN - DC	REVISED -		SCALE: NTS | SHEET NO. 15 OF 232 SHEETS | STA. | TO STA.
	PLOT DATE = 7/28/2010	CHECKED - JP	REVISED -		
		DATE - 05/14/2010	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-4	LAKE	232	15
		CONTRACT NO. 60860		
	ILLINOIS	FED. AID PROJECT		