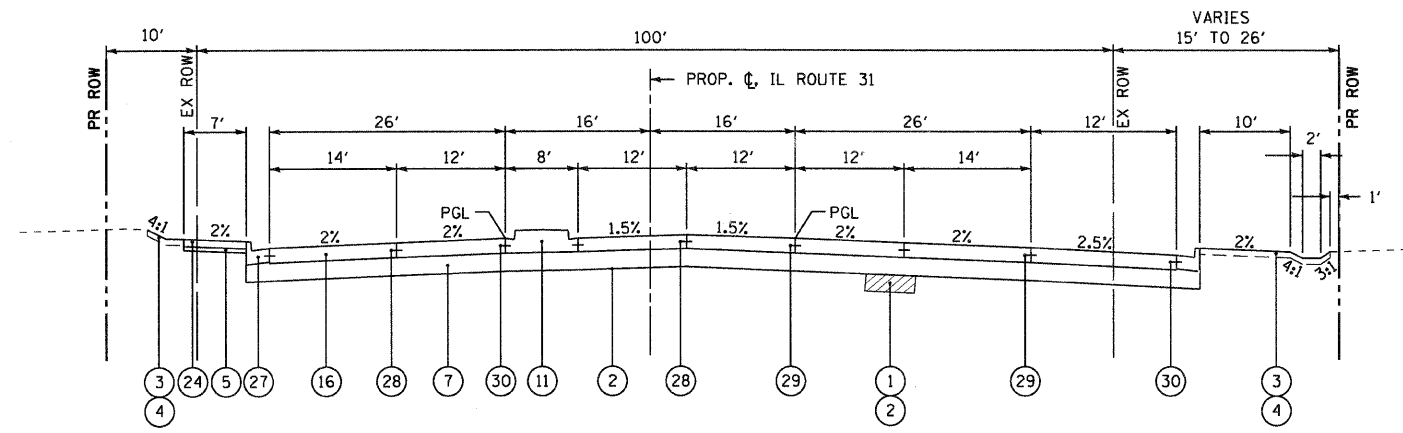
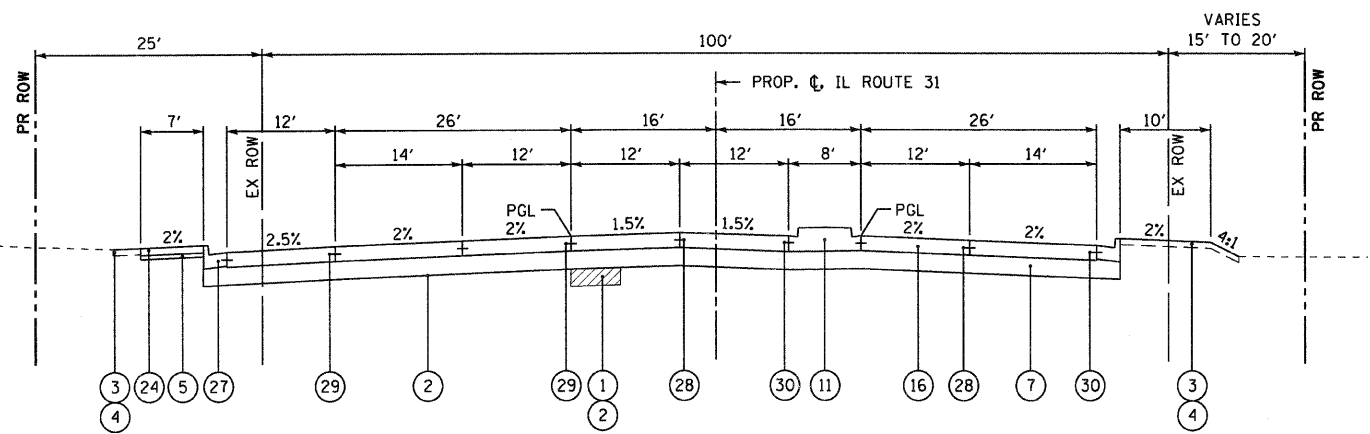


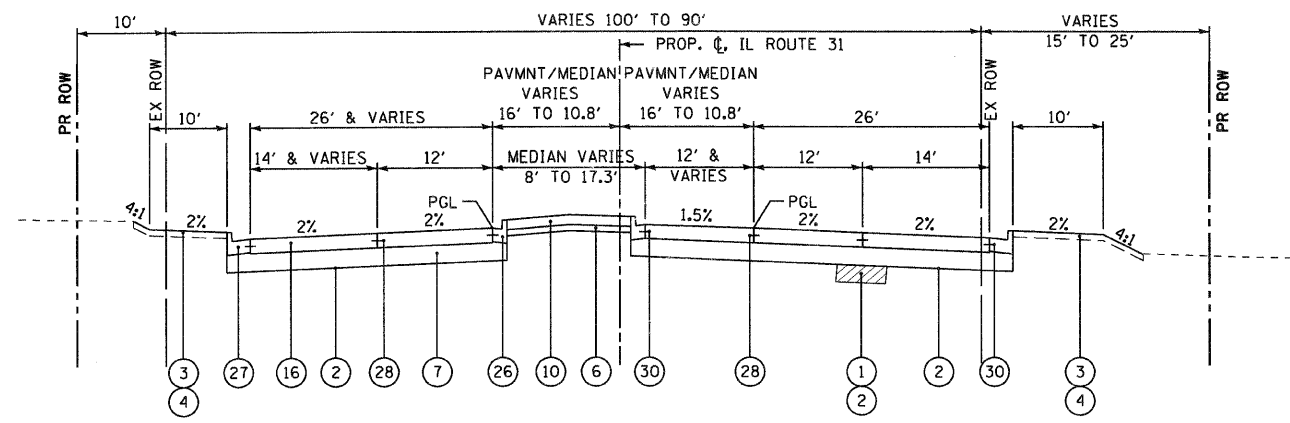
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	112R-N	MCHENRY	266	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62537				



PROPOSED TYPICAL SECTION - IL ROUTE 31
STA. 117+76.74 TO STA. 121+83.21



PROPOSED TYPICAL SECTION - IL ROUTE 31
STA. 121+83.21 TO STA. 125+95.28



PROPOSED TYPICAL SECTION - IL ROUTE 31
STA. 125+95.28 TO STA. 129+37.79

LEGEND

- 1 POROUS GRANULAR EMBANKMENT, SUBGRADE (AT LOCATIONS SPECIFIED PER THE SOILS NOTE ON SHEET 15 OR AT LOCATIONS DESIGNATED BY THE ENGINEER) (EXCAVATION PAID FOR PER APPLICABLE EARTHWORK PAY ITEM)
- 2 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS SPECIFIED PER THE SOILS NOTE ON SHEET 15 OR AT LOCATIONS DESIGNATED BY THE ENGINEER)
- 3 TOPSOIL FURNISH AND PLACE, 4"
- 4 SEEDING OR SODDING, SALT TOLERANT (SEE LANDSCAPING PLANS)
- 5 SUB-BASE GRANULAR MATERIAL, TYPE B 2" (COST INCLUDED IN P.C.C. SIDEWALK 5")
- 6 SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- 7 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 8 AGGREGATE SHOULDERS, TYPE B, 8"
- 9 SUB-BASE GRANULAR MATERIAL, TYPE C (COST INCLUDED IN AGGREGATE SUBGRADE IMPROVEMENT, 12")
- 10 CONCRETE MEDIAN SURFACE 4"
- 11 CONCRETE MEDIAN, TYPE SB-6.12
- 12 STABILIZED MEDIAN (HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2") (HOT-MIX ASPHALT BASE COURSE, 8")
- 13 NOT USED
- 14 CLASS D PATCHES, 4" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- 15 CLASS D PATCHES, 10" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- 16 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- 17 HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/2" (IN THREE LIFTS)
- 18 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- 19 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- 20 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- 21 LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAXIMUM THICKNESS)
- 22 POLYMERIZED LEVELING BINDER (MACHINE METHOD, IL-4.75, N50, 3/4"
- 23 HOT-MIX ASPHALT SHOULDERS, 8"
- 24 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 27 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 28 SAWED LONGITUDINAL JOINT WITH 30" LONG DEFORMED EPOXY-COATED NO. 6 TIE BARS @ 30" CTS.
- 29 LONGITUDINAL CONSTRUCTION JOINT WITH 24" LONG GROUTED IN PLACE DEFORMED EPOXY-COATED NO. 8 TIE BARS @ 24" CTS.
- 30 24" LONG DEFORMED EPOXY-COATED NO. 6 TIE BARS @ 24" CTS. GROUTED IN PLACE
- 31 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"
- 32 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, VARIABLE DEPTH (2 1/4" MINIMUM THICKNESS)

SOILS NOTE:

POROUS GRANULAR EMBANKMENT SUBGRADE (PGE) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE. IF UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS ARE AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

STA. TO STA.	ESTIMATED UNDERCUT DEPTH	ESTIMATED UNDERCUT
IL ROUTE 31:		
109+17 TO 113+00	6"	580 CU YD
129+50 TO 132+50	-	-
135+00 TO 137+75	6"	374 CU YD
137+75 TO 139+35	6"	306 CU YD WITH GEOTECHNICAL FABRIC (1,833 SQ YD)
IL ROUTE 176:		
235+00 TO 237+50	12"	369 CU YD

TERRA COTTA AVE.:

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 336
IL RTE 31 AND IL RTE 176

PROPOSED TYPICAL SECTIONS
ILLINOIS ROUTE 31

SCALE: NTS
DATE: 02/10/2012

DRAWN BY: SMP
CHECKED BY: BDH

DATE: _____ BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 ALIGNMENT CHECKED: _____
 NOTE BOOK NO.: _____
 CAD FILE NAME: _____

DATE: _____ BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 NOTE BOOK NO.: _____
 CAD FILE NAME: _____