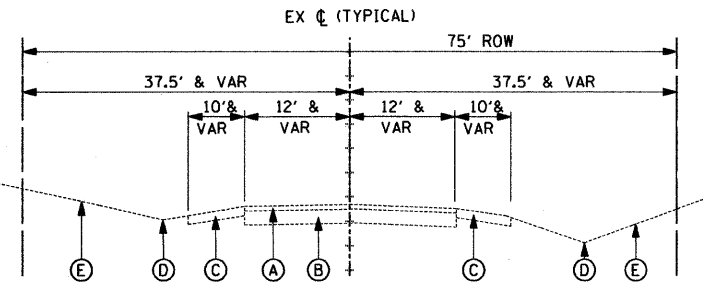


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4011	07-00072-00-PV	McHENRY	80	4
ILLINOIS PROJECT CONTRACT NO. 63137				

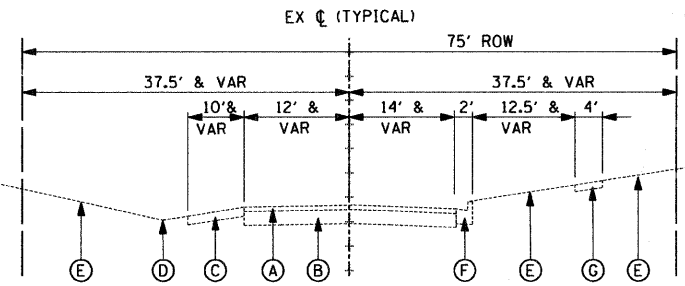
LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT: 3 - 4" (REMOVAL TO BE PAID AS PAVEMENT REMOVAL)
- (B) EXISTING GRANULAR BASE COURSE: 9" - 20" (REMOVAL TO BE PAID AS EARTH EXCAVATION)
- (C) EXISTING GRAVEL SHOULDERS
- (D) EXISTING SWALE
- (E) EXISTING LANDSCAPING
- (F) EXISTING B6.18 CURB & GUTTER
- (G) EXISTING SIDEWALK
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2" (ROADWAY)
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19, N50 (2 LIFTS), 6 1/4"
- (3) AGGREGATE SUBGRADE, 12"
- (4) AREA REFLECTIVE CRACK CONTROL TREATMENT
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12
- (6) HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 2" (BIKE PATH)
- (7) AGGREGATE BASE COURSE, TYPE B, 6"
- (8) LANDSCAPE RESTORATION - 4" TOPSOIL (FURNISH AND PLACE), CLASS 1A SALT TOLERANT LAWN MIXTURE SEEDING & EROSION CONTROL BLANKET (MAX 4:1 SLOPE)
- (9) 0.5' WIDE AGGREGATE SHOULDER, TYPE B, 8"
- (10) 1.5' WIDE TURF GRADED SHOULDER
- (11) HMA RESURFACING - HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"
- (12) LANDSCAPE RESTORATION - 4" TOPSOIL (FURNISH AND PLACE), CLASS 3 SLOPE MIXTURE SEEDING & HEAVY DUTY EROSION CONTROL BLANKET (3:1 SLOPES AND STEEPER)
- (13) LANDSCAPE RESTORATION - 4" TOPSOIL (FURNISH AND PLACE), CLASS 4 NATIVE GRASS SEEDING & EROSION CONTROL BLANKET (BUFFER BETWEEN WETLAND AND BIKE PATH)
- (14) LANDSCAPE RESTORATION - 4" TOPSOIL (FURNISH AND PLACE), CLASS 4B WETLAND GRASS AND SEDGE MIXTURE SEEDING (WELAND AREAS)
- (15) ROADWAY GUARDRAIL
- (16) HOT MIX ASPHALT SHOULDER, 6"
- (17) BIKE RAILING
- (18) COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.18

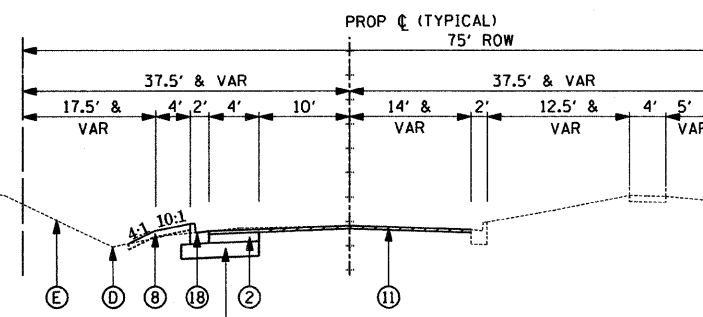
NOTE:
 1. PGE SUBGRADE IS REQUIRED FROM APPROXIMATE STA. 614+75 TO STA. 619+00, 622+50 TO 630+50 AND 653+00 TO 663+50. ACTUAL LIMITS AND ANY ADDITIONAL AREAS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 2. A CONTINGENCY QUANTITY OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE IN UNDERCUT AREAS. ACTUAL LIMITS AND ANY ADDITIONAL AREAS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 3. SEE RESTORATION PLANS FOR ADDITIONAL SEEDING INFORMATION.



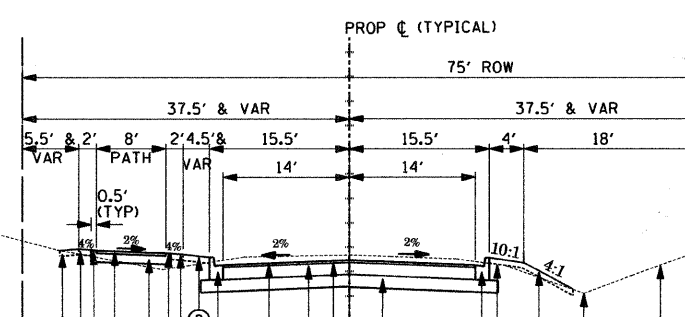
EXISTING TYPICAL SECTION
 HANSON ROAD
 EDGEWOOD DRIVE TO HUNTINGTON DRIVE
 LOOKING NORTH
 STA. 614+75 TO 667+00



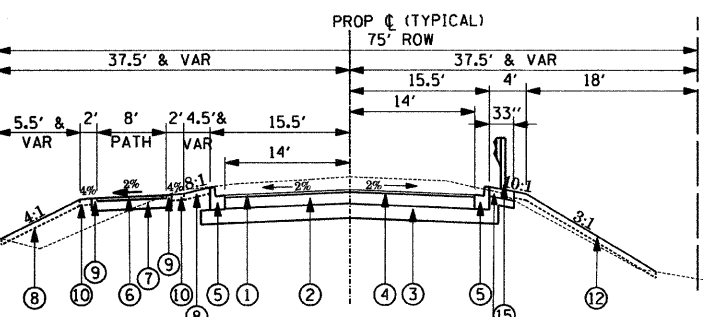
EXISTING TYPICAL SECTION
 HANSON ROAD
 NORTH OF HUNTINGTON DRIVE
 LOOKING NORTH
 STA. 667+00 TO 671+70



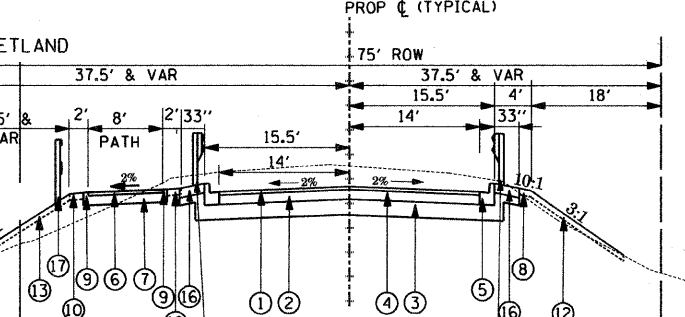
PROPOSED TYPICAL SECTION
 HANSON ROAD
 NORTH OF HUNTINGTON DRIVE
 LOOKING NORTH
 STA. 667+00 TO 671+70



PROPOSED TYPICAL SECTION
 HANSON ROAD
 STA. 618+37 TO 621+73
 STA. 626+61 TO 654+75
 STA. 659+33 TO 667+00



PROPOSED TYPICAL SECTION
 STA. 614+75 TO 618+37
 STA. 621+73 TO 626+61
 STA. 654+75 TO 656+77
 STA. 657+28 TO 659+33



PROPOSED TYPICAL SECTION
 HANSON ROAD
 STA. 656+77 TO 657+28

SEE SHEET 71 FOR TYP SECTION AT RETAINING WALL, STA. 623+50 TO 625+40 LT

MIX REQUIREMENT CHART

DESCRIPTION	MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8 1/4"	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL-9.5 mm), 2"	PG 64-22	4% @ 50 GYR.
	HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 6 1/4"	PG 64-22 *	4% @ 50 GYR.
HMA RESURFACING, 2"	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL-9.5 mm), 2"	PG 64-22	4% @ 50 GYR.
HMA PATH, 2"	HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX C, N50 (IL-9.5 mm), 2"	PG 64-22	4% @ 50 GYR.
CLASS D PATCH, 5"	CLASS D PATCHES, TYPE IV (HMA BINDER, IL-19 mm), 5"	PG 64-22 *	4% @ 70 GYR.

*THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN
 *WHEN RAP EXCEEDS 20%, THE NEW BINDER IN THE MIX SHALL BE PG 58-22

POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT ARE CONSIDERED TO BE UNSTABLE OR SUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE SAME TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL (REV. 2005).

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE IN UNDERCUT AREAS. THE ACTUAL USE OF GEOTECHNICAL FABRIC WILL ALSO BE DETERMINED IN THE FIELD.

REVISIONS		NAME	DATE

HANSON ROAD IMPROVEMENTS
 EDGEWOOD DRIVE TO HUNTINGTON DRIVE
 TYPICAL SECTIONS

DRAWN BY: AJR
 CHECKED BY: MAY
 DATE: 03-27-09

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
 CHICAGO, ILLINOIS