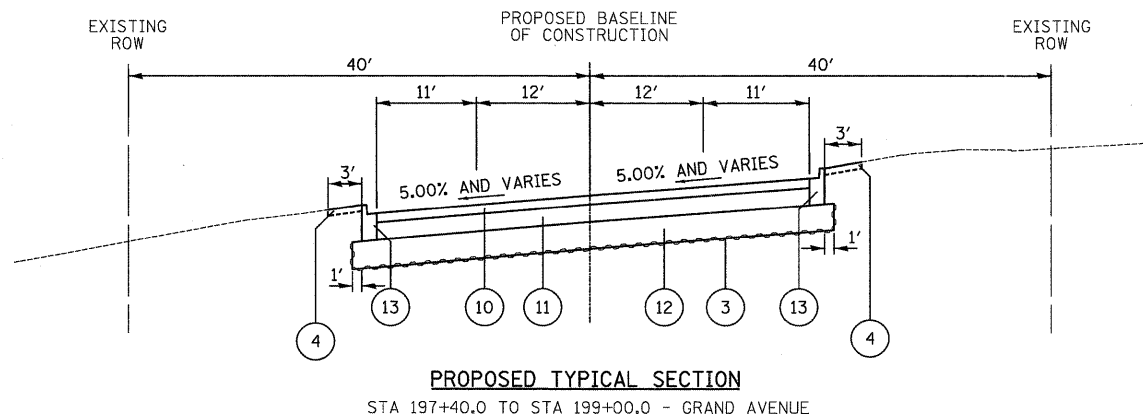
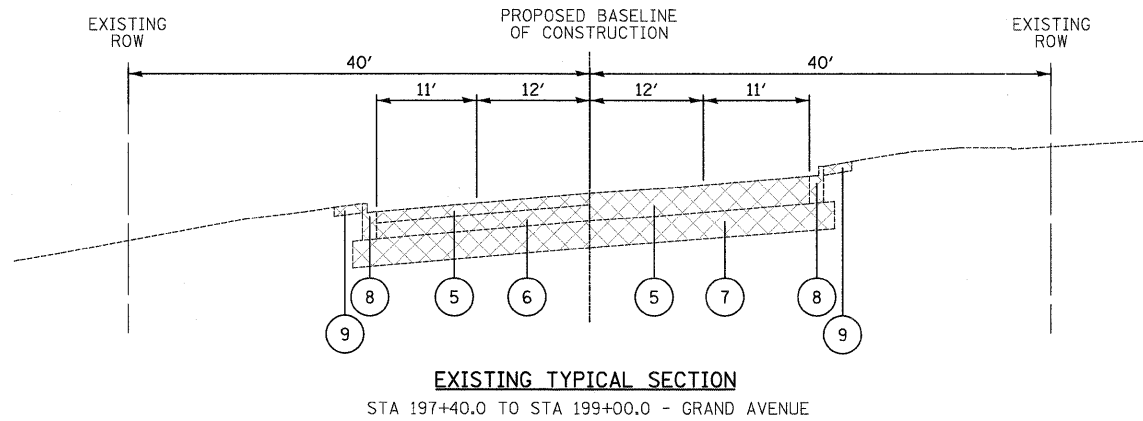
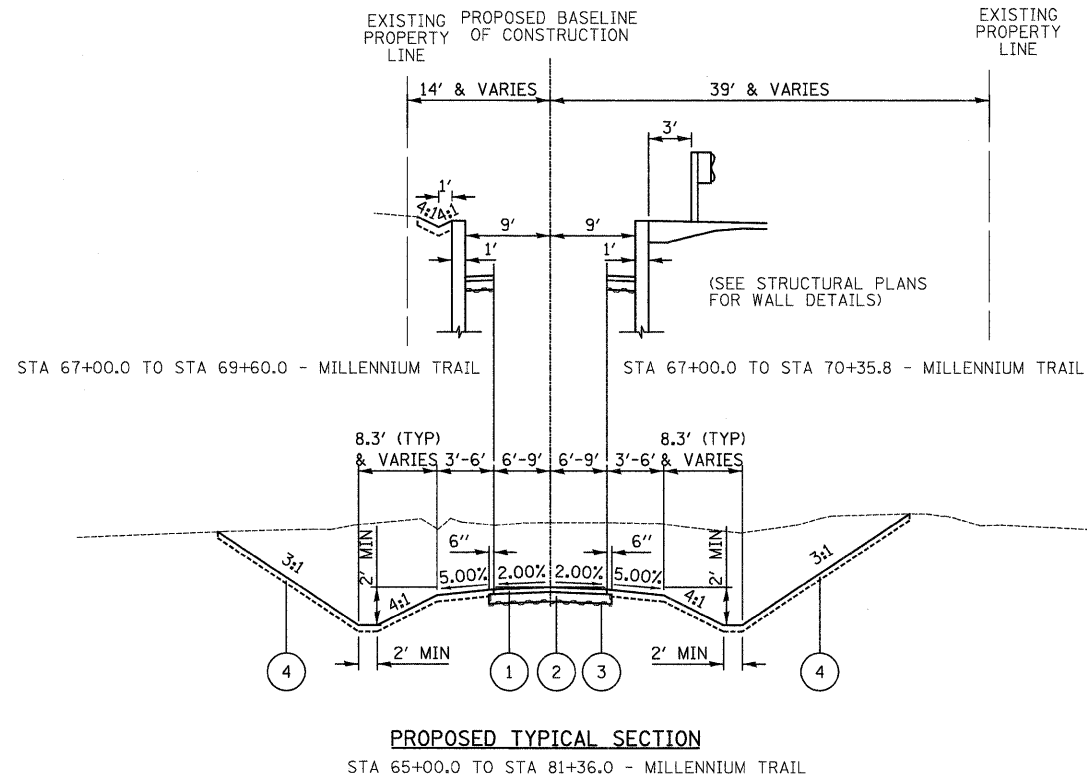


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FINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



LEGEND

- 1 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- 2 PROPOSED AGGREGATE BASE COURSE, TYPE A, 6"
- 3 PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 4 PROPOSED TOPSOIL EXCAVATION AND PLACEMENT (4" MINIMUM)
- 5 EXISTING HOT-MIX ASPHALT COURSE, THICKNESS VARIES FROM 5-3/4" TO 13-1/4" (REFERENCE SOIL EXPLORATION AND ANALYSIS REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING DATED APRIL 7, 2011)
- 6 EXISTING PCC BASE COURSE, 7-3/4" (REFERENCE SOIL EXPLORATION AND ANALYSIS REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING DATED APRIL 7, 2011)
- 7 EXISTING GRANULAR SUBGRADE COURSE
- 8 EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 9 EXISTING HOT-MIX ASPHALT SHOULDER, 4"
- 10 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- 11 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12"
- 12 PROPOSED AGGREGATE SUBGRADE, 12"
- 13 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (WHERE PCC BASE COURSE REMAINS, PROPOSED 24" LONG NO. 6 EPOXY COATED TIE BARS @ 24" C-C SHALL BE PLACED AND PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12)



SOIL NOTES: (GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING AND DATED APRIL 7, 2011)

1. A WORKING PLATFORM SHALL BE CONSTRUCTED TO MAINTAIN THE INTEGRITY OF THE EXPOSED BEARING SOIL FROM SOFTENING AND DISTURBANCE. THIS SHALL BE ACCOMPLISHED BY PLACING A MUD MAT 8"-INCH THICK LAYER OF OPEN GRADED AGGREGATE. THIS PROTECTIVE SUBGRADE SOIL LAYER SHALL BE PLACED SOON AFTER EXCAVATION AND APPROVAL OF BEARING SOIL. THIS WORK SHALL BE PAID FOR AS EARTH EXCAVATION AND POROUS GRANULAR EMBANKMENT, SUBGRADE.

2. POROUS GRANULAR EMBANKMENT (PGE) AND POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAVE BEEN PROVIDED FOR SOILS THAT ARE UNSTABLE WHEN WET. THE NEED FOR REMOVAL AND REPLACEMENT WITH PGE OR PGES 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 OR PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

3. NO SOIL SHALL BE USED TO BACKFILL THE FOOTINGS. WHETHER THE SOIL IS UNSTABLE OR NOT, PGE SHALL BE USED.

4. IT SHALL BE EXPECTED THAT EXCAVATION FOR THE PROPOSED TUNNEL AND FOOTINGS WILL ENCOUNTER GROUNDWATER SEEPAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE PREPARED TO DEWATER THESE ACCUMULATIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		AIR VOIDS
MIXTURE TYPE		
FULL-DEPTH PAVEMENT (GRAND AVENUE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)		4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" (IN 4 LIFTS)		4% @ 70 Gyr.
BIKE PATH (MILLENNIUM TRAIL)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" (IL-9.5 mm)		4% @ 50 Gyr.
TEMPORARY PAVEMENT (GRAND AVENUE)		
TEMP PAVEMENT (HMA BINDER COURSE, IL-19mm), 8" (IN 3 LIFTS)		4% @ 50 Gyr.

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 76-22" 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 SPECIAL PROVISIONS.

USER NAME = pk	DESIGNED - PK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	N.T.S.	TYPICAL SECTIONS GRAND AVENUE UNDERPASS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = ...\03-Typicals\2322-Typicals.dgn	DRAWN - PK	REVISED -				0541	10-F3000-00-BT	LAKE	91	5
PLOT SCALE = 5/8" = 1'	CHECKED - RTM	REVISED -				CONTRACT NO. 63665				
PLOT DATE = 12/14/2011	DATE = 12/19/2011	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
SHEET NO. 1 OF 1 SHEETS										