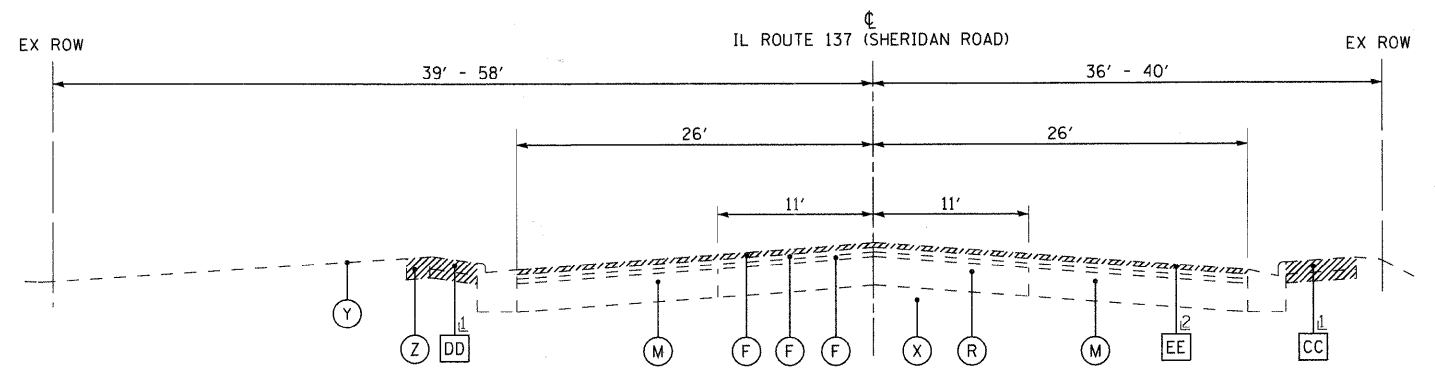


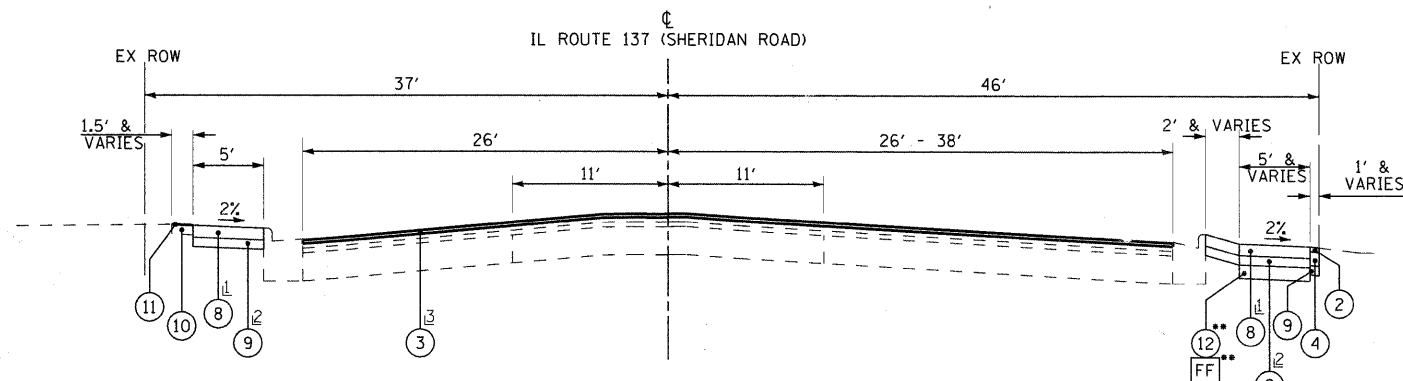
**EXISTING TYPICAL SECTION  
ILLINOIS ROUTE 137 (SHERIDAN ROAD)  
(NOT TO SCALE)  
STA. 46+69 TO STA. 50+00**

1 AGGREGATE BASE COURSE REMOVAL INCLUDED IN SIDEWALK REMOVAL  
2 STA. 49+10 TO STA. 50+00



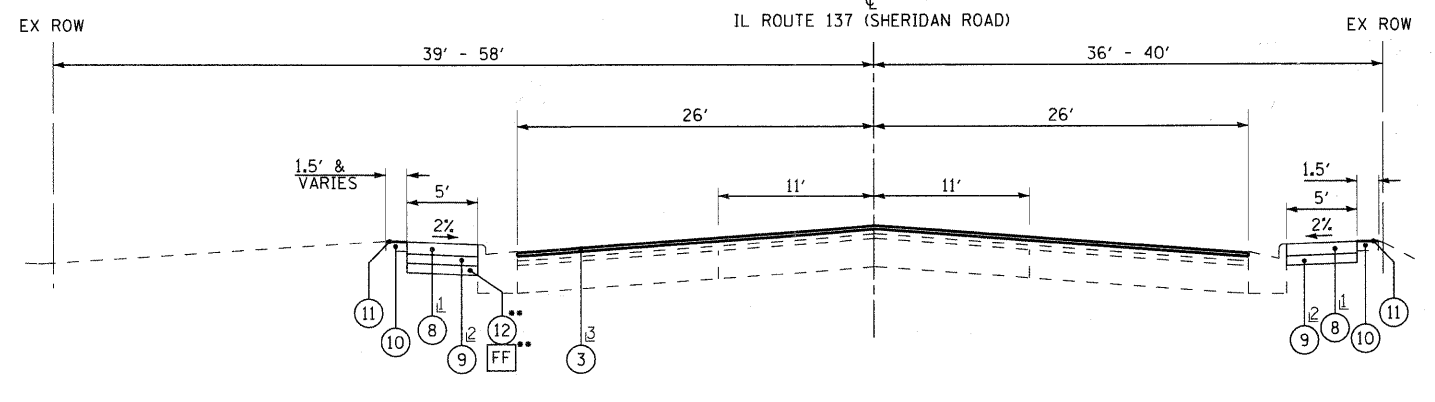
**EXISTING TYPICAL SECTION  
ILLINOIS ROUTE 137 (SHERIDAN ROAD)  
(NOT TO SCALE)  
STA. 50+00 TO STA. 54+74**

1 AGGREGATE BASE COURSE REMOVAL INCLUDED IN SIDEWALK REMOVAL  
2 STA. 50+00 TO STA. 50+80



**PROPOSED TYPICAL SECTION  
ILLINOIS ROUTE 137 (SHERIDAN ROAD)  
(NOT TO SCALE)  
STA. 46+69 TO STA. 50+00**

1 6 INCH IN RESIDENTIAL DRIVEWAYS  
8 INCH IN COMMERCIAL DRIVEWAYS  
2 4 INCH IN RESIDENTIAL DRIVEWAYS  
6 INCH IN COMMERCIAL DRIVEWAYS  
3 STA. 49+10 TO STA. 50+00



**PROPOSED TYPICAL SECTION  
ILLINOIS ROUTE 137 (SHERIDAN ROAD)  
(NOT TO SCALE)  
STA. 50+00 TO STA. 54+74**

1 6 INCH IN RESIDENTIAL DRIVEWAYS  
8 INCH IN COMMERCIAL DRIVEWAYS  
2 4 INCH IN RESIDENTIAL DRIVEWAYS  
6 INCH IN COMMERCIAL DRIVEWAYS  
3 STA. 50+00 TO STA. 50+80

\*\* POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ Ndes
<b>FULL DEPTH PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50; (IL 9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL 19mm, N50; 8"	4% @ 50 GYR.
<b>RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50; (IL 9.5mm); 1 1/2"	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; (IL 9.5mm); 1 1/2"	4% @ 70 GYR.
<b>DRIVEWAYS (AND REPLACEMENT PAVEMENT LOCATED BEHIND BACK OF CURB)</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL 19mm); CE - 8" (PAID FOR AS HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50)	4% @ 50 GYR.
<b>CURB AND GUTTER (REPLACEMENT PAVEMENT IN FRONT OF CURB)</b>	
(PAID FOR AS CONCRETE CURB, TYPE B OR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) OR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (SPECIAL) (PENDING LOCATION)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50; (IL 9.5mm); 2 1/2"	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; (IL 9.5mm); 2 1/2"	4% @ 70 GYR.
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19 mm) 14" (SPECIAL);	4% @ 70 GYR.
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50; (IL 9.5mm); 4 1/2" - 5 1/2")	4% @ 50 GYR.

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
- (B) HOT-MIX ASPHALT SURFACE COURSE, 1"
- (C) HOT-MIX ASPHALT SURFACE COURSE, 1 3/4"
- (D) HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- (E) HOT-MIX ASPHALT SURFACE COURSE, 3/4"
- (F) HOT-MIX ASPHALT SURFACE COURSE, 2"
- (G) HOT-MIX ASPHALT BINDER COURSE, 1 1/2"
- (H) HOT-MIX ASPHALT BINDER COURSE, 1 1/4"
- (J) HOT-MIX ASPHALT BINDER COURSE, 4 3/4"
- (K) HOT-MIX ASPHALT BINDER COURSE, 3"
- (L) BITUMINOUS STABILIZED GRANULAR MATERIAL, 1 1/4"
- (M) HOT-MIX ASPHALT PAVEMENT
- (N) PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4"
- (O) PORTLAND CEMENT CONCRETE BASE COURSE, 8 1/4" - 9 3/4"

**EXISTING LEGEND (CONTD.)**

- (P) PORTLAND CEMENT CONCRETE BASE COURSE, 9 1/4"
- (R) PORTLAND CEMENT CONCRETE PAVEMENT
- (S) BROWN SAND AND GRAVEL, 5 3/4"
- (T) AGGREGATE BASE COURSE, 3" - 7 1/2"
- (U) AGGREGATE BASE COURSE, 4 1/2" - 12 1/4"
- (V) AGGREGATE SHOULDER
- (W) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (X) EXISTING SUB-GRADE
- (Y) GROUND SURFACE
- (Z) EARTH EXCAVATION
- AA COMBINATION CURB AND GUTTER REMOVAL
- BB COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (SPECIAL)
- CC SIDEWALK REMOVAL
- DD HOT-MIX ASPHALT REMOVAL (PAID FOR AS SIDEWALK REMOVAL)
- EE HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- FF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS \*\*
- ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 2"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 8"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
- (6) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (SPECIAL)
- (7) CONCRETE CURB, TYPE B
- (8) STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (9) AGGREGATE BASE COURSE, TYPE B - 4"
- (10) TOPSOIL, FURNISH AND PLACE 4"
- (11) SODDING, SALT TOLERANT
- (12) POROUS GRANULAR EMBANKMENT, SUBGRADE\*\* (AS DETERMINED BY THE ENGINEER) - 6" MIN

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.

F.A.P. 352 ILLINOIS ROUTE 137 (SHERIDAN ROAD)

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-00121, EXPIRES 4/30/2011  
 PROJECT NO. - 06-00036-00-LS  
 DATE - 8/1/08



DESIGNED - WWP	REVISED - IDOT REVIEW 2/19/09
DRAWN - CJC	REVISED - IDOT REVIEW 4/22/09
CHECKED - MDW	REVISED -
DATE - 8-1-08	FILE - 060807+typ.sht

**VILLAGE OF WINTHROP HARBOR, ILLINOIS  
ILLINOIS ROUTE 137 (SHERIDAN ROAD) AND 7th STREET  
STREETScape IMPROVEMENTS**

**TYPICAL SECTIONS AND  
HMA MIXTURE REQUIREMENTS**

SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00036-00-LS	LAKE	70	9	1
FED. ROAD DIST. NO. 1		CONTRACT NO. 63167		
JOB NO. C-91-197-10		ILLINOIS FED. AID PROJECT ARA-0001810		