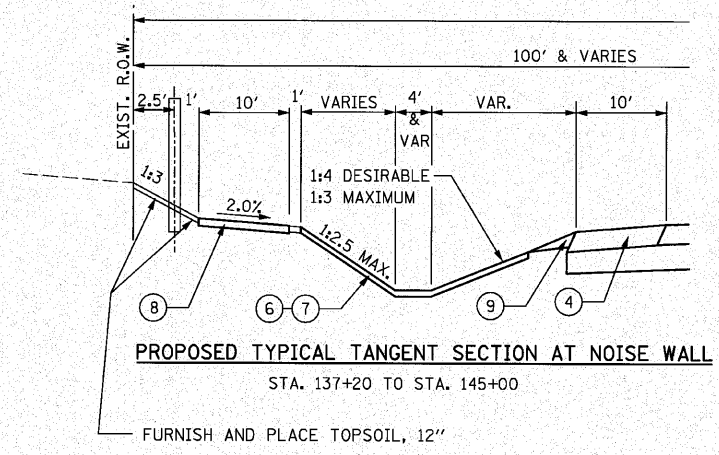


**PROPOSED TYPICAL TANGENT SECTION**

STA. 99+80.50 TO STA. 124+81.96  
 STA. 124+81.96 TO STA. 144+07.82 \*\* 6' WIDE DITCH  
 STA. 202+46.81 TO STA. 207+76.71  
 STA. 234+46.96 TO STA. 239+23.56  
 STA. 239+23.56 TO STA. 255+00 (CURVE LEFT) N.C.  
 BRIDGE AND APPROACH SLAB OMISSION:  
 STA. 247+57.69 TO STA. 248+47.83 LT.  
 STA. 247+57.82 TO STA. 248+47.69 RT.

\* MEDIAN WIDTH VARIES  
 STA. 241+40 TO STA. 254+59.46



**PROPOSED TYPICAL TANGENT SECTION AT NOISE WALL**

STA. 137+20 TO STA. 145+00

FURNISH AND PLACE TOPSOIL, 12"

**PROPOSED LEGEND**

- ① HMA PAVEMENT (FULL DEPTH), 14"  
 POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"  
 POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"  
 HMA BINDER, COURSE IL 19.0, N90, 10"
- ② NOT USED
- ③ AGGREGATE SUBGRADE, 12"
- ④ HOT MIX ASPHALT SHOULDERS, 14"
- ⑤ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑤A COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ FURNISHING & PLACING TOPSOIL, 8"
- ⑥A FURNISHING & PLACING TOPSOIL, 24"
- ⑦ SEE LANDSCAPING PLANS  
 FOR SEEDING AND SODDING LIMITS
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"  
 AGGREGATE BASE COURSE, TYPE A, 6"
- ⑨ AGGREGATE SHOULDER, TYPE B, 8" (2' WIDTH)
- ⑩ PIPE UNDERDRAINS, 4"
- ⑪ NOT USED
- ⑫ NOT USED
- ⑬ NOT USED

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
<b>PAVEMENT RESURFACING - ILLINOIS ROUTE 56</b>	
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80; 2"	3.5% @ 80 GYR.
LEVELING BINDER (MACHINE METHOD), N70; 3/4" MIN & VARIES	4% @ 70 GYR.
<b>FULL DEPTH PAVEMENT, 14" - IL. RTE. 56, IL. RTE. 59, BATAVIA RD &amp; WINFIELD RD</b>	
POLYMERIZED SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"	3.5% @ 80 GYR.
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"	3.5% @ 80 GYR.
HMA BINDER, COURSE, IL 19.0, N90, 10" (2-1/4" MIN)	4% @ 90 GYR.
<b>TEMPORARY ROAD FOR TRAFFIC STAGING</b>	
TEMPORARY PAVEMENT (HMA BINDER IL-19 mm); 10" (3 LIFTS)	4% @ 50 GYR.
<b>HMA RAMP FOR TRAFFIC STAGING</b>	
INCIDENTAL BITUMINOUS SURFACING HMA SURFACE CRS, MIX D, N50 (IL9.5mm) VARIABLE THICKNESS 0" TO 1 1/2" MAX	4% @ 50 GYR.
<b>DRIVEWAYS</b>	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% @ 50 GYR.
<b>PATCHING</b>	
CLASS D PATCH (HMA BINDER IL-19 mm); 10"	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm); 2"	4% @ 70 GYR.
<b>HMA PATH AND WINFIELD ROAD MEDIAN</b>	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 1 1/2"	4% @ 50 GYR.
HMA BINDER COURSE, IL-19.0, N50; 2 1/2"	4% @ 50 GYR.
<b>HMA SHOULDERS, 14"</b>	
POLYMERIZED SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"	3.5% @ 80 GYR.
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"	3.5% @ 80 GYR.
HMA BINDER, COURSE, IL 19.0, N90, 10"	4% @ 90 GYR.

**NOTES:**

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE AND BINDER MIXTURE QUANTITIES 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.

STRUCTURAL DESIGN TRAFFIC: DP = 20 YEARS	
PV = 35,529	SU = 1,591 MU = 758
ROAD/STREET CLASSIFICATION: CLASS = 1 DESIG. = 12	
P = 32%	S = 45% M = 45%
TRAFFIC FACTOR: HMA ACTUAL TF = 23.91 HMA MIN. TF = 6.03 RIGID ACTUAL TF = 5.22 RIGID MIN. TF = 4.27	
SUBGRADE SUPPORT RATING:	
SSR =	(STA. TO STA.)
SSR =	(STA. TO STA.)

FILE NAME = 0162420-sht-typicel3.dgn  
 PLOT DATE = 12/22/2010  
 PLOT SCALE = 1/8" = 1' / IN.

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
 ENGINEERS-PLANNERS-SURVEYORS  
 211 WEST WACKER DRIVE  
 CHICAGO, ILLINOIS 60606  
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - D.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 3, 2010	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS  
 IL. RTE. 56**  
 SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 365	SECTION (58&59) WRS-3	COUNTY DuPAGE	TOTAL SHEETS 466	SHEET NO. 19
CONTRACT NO. 62420				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				