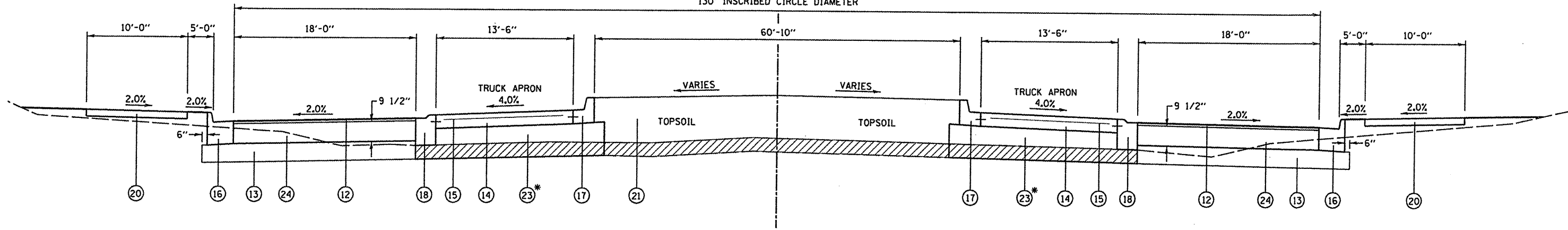


ROUNABOUT AT
NORTH SEVEN HILLS ROAD
& OLD VINCENNES TRAIL

130' INSCRIBED CIRCLE DIAMETER



PAVEMENT REMOVAL

NOTE:
* VARIABLE DEPTH

PROPOSED ROUNABOUT
TYPICAL SECTION

OLD VINCENNES TRAIL - STA. 115+82.28 TO STA. 117+12.44
NORTH SEVEN HILLS ROAD - STA. 49+36.45 TO STA. 50+66.51

LEGEND

- ① EXISTING CONCRETE SIDEWALK, 4"
- ② EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ④ EXISTING 8" LIME MODIFIED SOIL
- ⑤ EXISTING 12" LIME MODIFIED SOIL
- ⑥ EXISTING CONCRETE PAVEMENT, 8"
- ⑦ EXISTING HOT-MIX ASPHALT BASE COURSE, 7"
- ⑧ EXISTING HOT-MIX ASPHALT BASE COURSE, 8"
- ⑨ EXISTING HOT-MIX ASPHALT BINDER COURSE, 1 1/2"
- ⑩ EXISTING HOT-MIX ASPHALT BINDER COURSE, 2 1/2"
- ⑪ EXISTING HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90, 1 1/2"
- ⑬ PROPOSED AGGREGATE BASE COURSE, TYPE B, 12"
- ⑭ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ⑮ PROPOSED PAVEMENT FABRIC
- ⑯ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑰ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.18
- ⑱ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑲ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12
- ⑳ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉑ PROPOSED TOPSOIL FURNISH & PLACE, (VARIABLE DEPTH)
- ㉒ PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 8"
- ㉓ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A
- ㉔ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90

NOTE:

1. TIE BARS IN ACCORDANCE WITH HIGHWAY STANDARD 420001 FOR LONGITUDINAL CONSTRUCTION JOINT DETAIL. COST OF TIE BARS INCLUDED IN PCC PAVEMENT, 8".

2. PCC PAVEMENT, 8" SHALL BE COLORED & TEXTURED. SEE SPECIAL PROVISIONS.

3. COMBINATION CONCRETE CURB & GUTTER TYPE B-9.18 SHALL SLOPE AT 4% AWAY FROM THE CENTRAL ISLAND TO MATCH THE TRUCK APRON SLOPE.

STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: Year 2021
 PV = 8,512 SU = 269 MU = 179
 ROAD/STREET CLASSIFICATION: CLASS II
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 95% S = 3% M = 2%
 TRAFFIC FACTOR: 0.81
 PG GRADE: BINDER= 64-22 SURFACE= 70-22
 SUBGRADE SUPPORT RATING: IBR = 2 (ASSUMED FOR THE ENTIRE PROJECT)

HOT-MIX ASPHALT MIXTURES REQUIREMENT TABLE

MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE
AC/PG:	PG 64-22	SBS PG 76-22
RAP% (MAX): **	10%	0%
DESIGN AIR VOIDS:	4.0% @ Ndes=90	4.0% @ Ndes=90
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	IL 12.5
FRICTION AGGREGATE	MIXTURE "B"	MIXTURE "D"

FILE NAME = 0829051-sh-typical.dgn	USER NAME = joelitaliano	DESIGNED -	REVISED -
	PLOT TIME = 9:13:38 AM	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/5/2011	DATE -	REVISED -

CITY OF O'FALLON

N. SEVEN HILLS RD. & OLD VINCENNES TRAIL
PROPOSED TYPICAL SECTIONS

SCALE: NONE SHEET NO. 07 OF 07 SHEETS STA. TO STA.

F.A.U. RTE. 9172	SECTION 10-00036-03-PV	COUNTY ST. CLAIR	TOTAL SHEETS 51	SHEET NO. 10
CONTRACT NO. 97478				