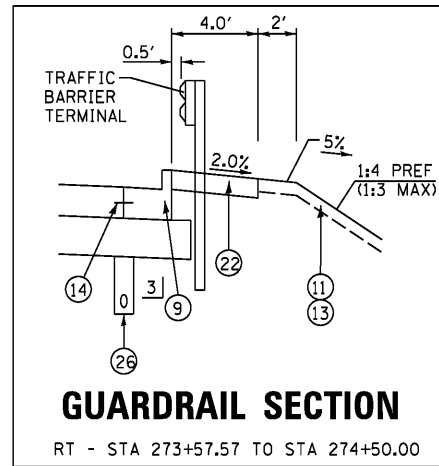


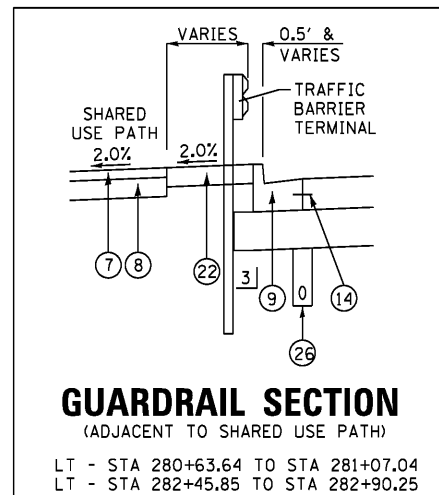
**PROPOSED TYPICAL SECTION  
US ROUTE 30**

STA 262+99.42 TO STA 267+51.68 (W. FRONTAGE ROAD / RELOC. ALPINE VILLAGE ENTRANCE)



**GUARDRAIL SECTION**

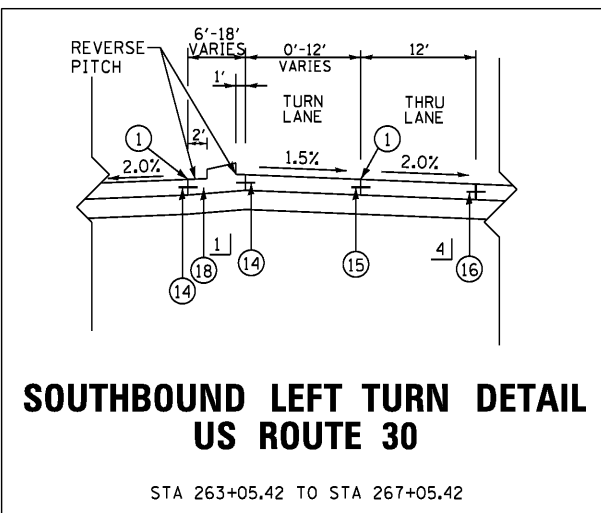
RT - STA 273+57.57 TO STA 274+50.00



**GUARDRAIL SECTION**

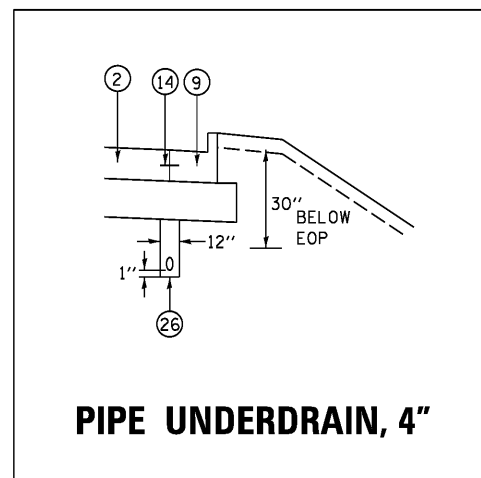
(ADJACENT TO SHARED USE PATH)

LT - STA 280+63.64 TO STA 281+07.04  
LT - STA 282+45.85 TO STA 282+90.25



**SOUTHBOUND LEFT TURN DETAIL  
US ROUTE 30**

STA 263+05.42 TO STA 267+05.42



**PIPE UNDERDRAIN, 4"**

**HOT-MIX ASPHALT REQUIREMENTS**

| MIXTURE TYPE  | AIR VOIDS @ Ndes | QUALITY MANAGEMENT PROGRAM (QMP) |
|---|------------------|----------------------------------|
| SAUK TRAIL OVERLAY/WIDEN                                  |                  |                                  |
| HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) 2"           | 4% @ 70 GYR      | QCP                              |
| HMA BINDER COURSE, IL-19.0, N70 VARIES DEPTH (2 1/4" MIN) | 4% @ 70 GYR      | QCP                              |
| FRONTAGE ROAD (FULL DEPTH)                                |                  |                                  |
| HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm) 2"            | 4% @ 70 GYR      | QCP                              |
| HMA BINDER COURSE, IL-19.0, N70 7"                        | 4% @ 70 GYR      | QCP                              |
| DRIVEWAYS   |                  |                                  |
| HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) 2"           | 4% @ 50 GYR      | QC/OA                            |
| HMA BASE COURSE (HMA BINDER IL-19.0 mm); CE, 8"           | 4% @ 50 GYR      | QC/OA                            |
| PATCHING  |                  |                                  |
| CLASS D PATCHES (HMA BINDER IL-19 mm)                     | 4% @ 70 GYR      | QC/OA                            |
| TEMPORARY PAVEMENT  |                  |                                  |
| HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) 2"           | 4% @ 70 GYR      | QC/OA                            |
| HMA BINDER COURSE, IL-19.0, N70, 7"                       | 4% @ 70 GYR      | QC/OA                            |
| SHARED USE PATH   |                  |                                  |
| HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) 3"           | 4% @ 50 GYR      | QC/OA                            |
| HMA SHOULDER  |                  |                                  |
| HMA BINDER COURSE, IL-19.0, N50, 6"                       | 4% @ 50 GYR      | QC/OA                            |

CONTRACTOR SHALL PATCH BEFORE MILLING.

UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LBS/50 YD/IN.

THE AC TYPE FOR POLYMERIZED HMA MIXTURES 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 USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; 9" THICK.

"QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

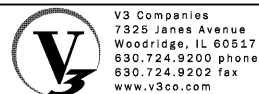
**PROPOSED LEGEND**

- 1 PROFILE GRADELINE
- 2 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- 3 PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- 4 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 5 CONCRETE MEDIAN SURFACE, 6 INCH
- 6 SUB-BASE GRANULAR MATERIAL, TYPE B, 12"
- 7 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 3"
- 8 SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- 9 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 10 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 11 TOPSOIL FURNISH AND PLACE, 6"
- 12 TOPSOIL FURNISH AND PLACE, 8"
- 13 SEEDING (AS NOTED ON THE LANDSCAPING PLAN)
- 14 NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24," "CORRUGATED MEDIAN," "CONCRETE MEDIAN, TYPE SB-6.24," OR "CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)")
- 15 LONGITUDINAL CONSTRUCTION JOINT - NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) GROUTED IN PLACE AT 24" C-C (INCLUDED IN THE COST OF "PCC PAVEMENT 10" (JOINTED)" OR "PCC PAVEMENT 9 1/2" (JOINTED)")
- 16 LONGITUDINAL SAWED JOINT - NO. 6 X 30" DEFORMED TIE BARS (EPOXY COATED) AT 30" C-C (INCLUDED IN THE COST OF "PCC PAVEMENT 10" (JOINTED)" OR "PCC PAVEMENT 9 1/2" (JOINTED)")
- 17 PARAPET ANCHORAGE SLAB (SEE MSE WALL PLANS FOR DETAILS)
- 18 CONCRETE MEDIAN TYPE SB-6.24 (MODIFIED)
- 19 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 2"
- 20 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 7"
- 21 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 22 HOT-MIX ASPHALT SHOULDER, 6"
- 23 CONCRETE MEDIAN TYPE SB-6.24
- 24 AGGREGATE BASE COURSE, TYPE B 3"
- 25 CONCRETE MEDIAN (SPECIAL)
- 26 PIPE UNDERDRAIN, 4"

- 1] SEE ROADWAY DETAILS SHEET FOR DETAILS OF "CONCRETE MEDIAN, TYPE SB-6.24 (MOD)" & "CONCRETE MEDIAN, TYPE SB-6.24"
- 2] SEE PLAT OF HIGHWAYS FOR RIGHT OF WAY DIMENSIONS.
- 3] DEPRESS CURB AND GUTTER ACCORDINGLY BASED ON MANUFACTURERS SPECIFICATIONS
- 4] AT CONTRACTOR'S OPTION A LONGITUDINAL CONSTRUCTION JOINT 13 MAY BE USED

**STRUCTURAL PAVEMENT DESIGN INFORMATION BLOCK FOR US ROUTE 30**

|   |
|---|
| STRUCTURAL TRAFFIC: YEAR 2023                       |
| PV = 27,332 SU = 742 MU = 1,484                     |
| ROAD/STREET CLASSIFICATION: CLASS I                 |
| TRAFFIC FACTOR: ACTUAL TF = 10.29                   |
| MINIMUM TF = 5.02                                   |
| EDGE SUPPORT CONDITION: TIED CURB & GUTTER          |
| SUBGRADE SUPPORT RATING:                            |
| SSR = POOR (US 30 STA. 262+99.42 TO STA. 298+00.96) |



USER NAME = dsherman  
PLOT SCALE = 1/8"  
PLOT DATE = 1/31/2014

DESIGNED - DSS  
DRAWN - DRP  
CHECKED - VJD  
DATE - 01/31/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30  
PROPOSED TYPICAL SECTIONS**

SCALE: N/A SHEET NO. 3 OF 9 SHEETS

| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 353                       | 11-Y-A  | COOK   | 354          | 21        |
| CONTRACT NO. 60R19        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |