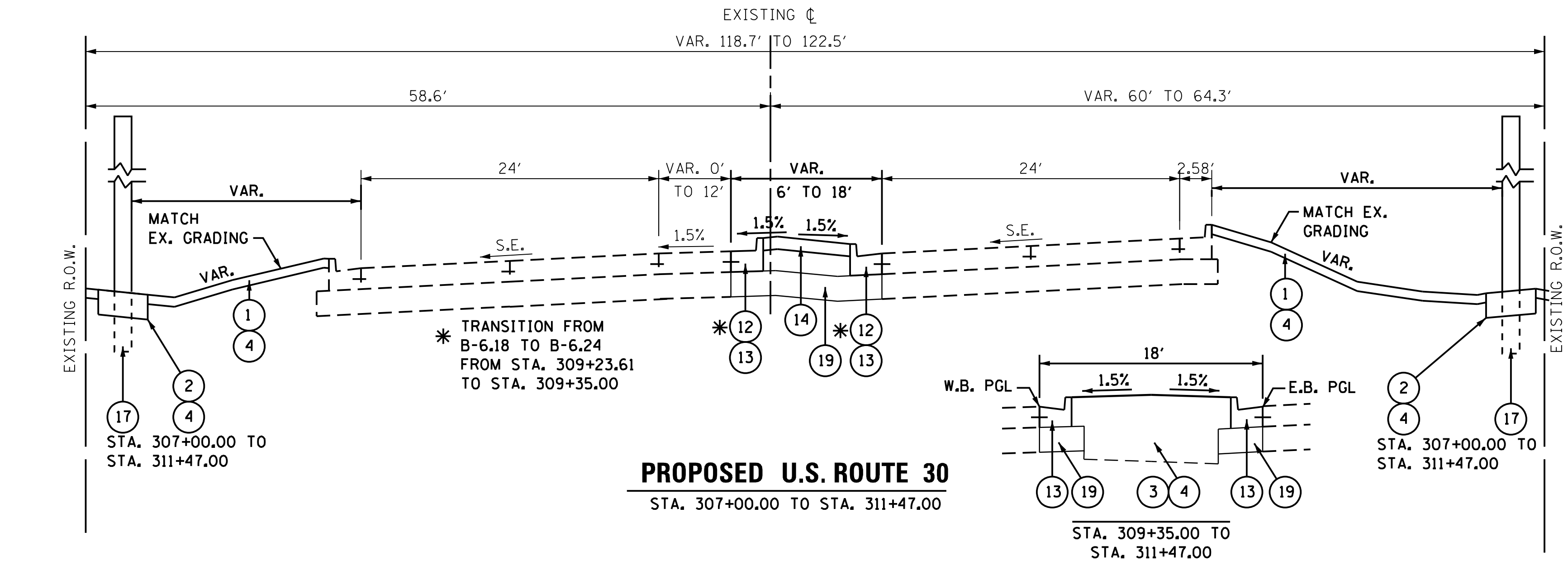
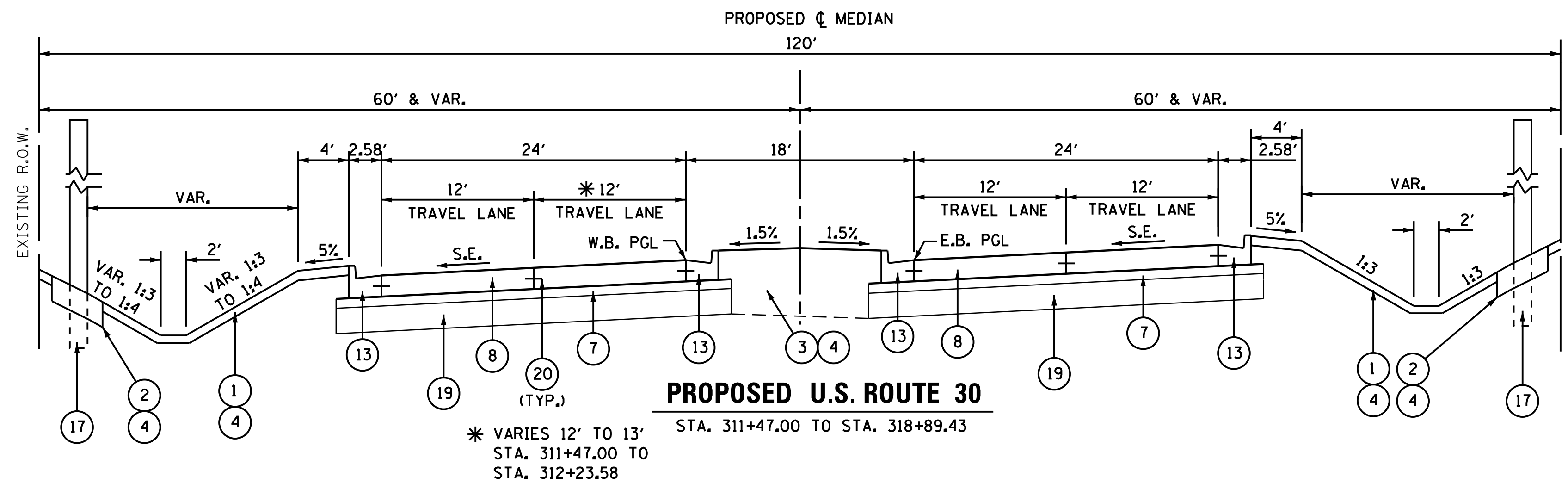


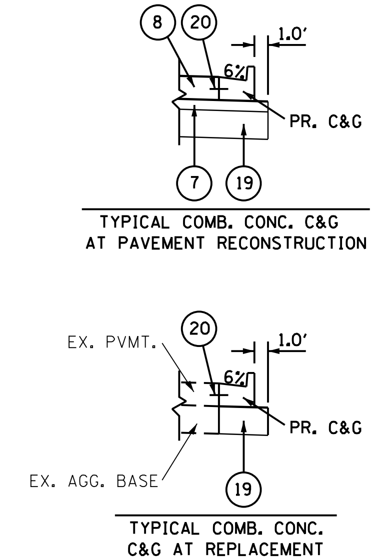
PROPOSED U.S. ROUTE 30

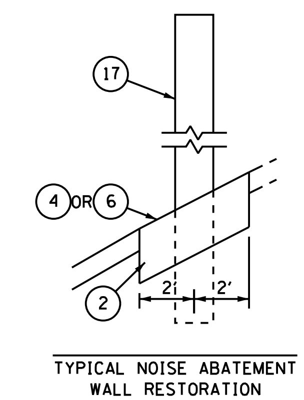
STA. 307+00.00 TO STA. 311+47.00



PROPOSED U.S. ROUTE 30

STA. 311+47.00 TO STA. 318+89.43





PROPOSED LEGEND

1. TOPSOIL PLACEMENT, 4"
2. TOPSOIL FURNISH AND PLACE, 12"
3. TOPSOIL FURNISH AND PLACE, 30"
4. SEEDING, CLASS 2A
5. SEEDING, CLASS 4
6. SODDING, SALT TOLERANT
7. STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
8. PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
9. PORTLAND CEMENT CONCRETE SIDEWALK 5"
10. HOT-MIX ASPHALT SHOULDERS, 6"
11. COMB. CONC. CURB & GUTTER, TYPE B-6.12
12. COMB. CONC. CURB & GUTTER, TYPE B-6.18
13. COMB. CONC. CURB & GUTTER, TYPE B-6.24
14. CONCRETE MEDIAN SURFACE, 6"
15. CONCRETE MEDIAN, TYPE SB-6.12
16. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
17. NOISE ABATEMENT WALL, GROUND MOUNTED
18. CONCRETE MEDIAN, TYPE SB-6.12 (SPECIAL)
19. AGGREGATE SUBGRADE IMPROVEMENT, 12"
20. TIE BARS
21. BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
22. AGGREGATE SHOULDERS, TYPE B 10"
23. PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"
24. HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)

IDOT DISTRICT ONE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES
STABILIZED SUBBASE	
STABILIZED SUBBASE-HOT-MIX ASPHALT, N50, (IL-19MM), 4 1/2"	3% @ 50 GYR
SHOULDER RECONSTRUCTION	
HOT-MIX ASPHALT SHOULDER, 6" (HMA BINDER IL-19MM)	4% @ 50 GYR
DRIVEWAYS AND FIELD ENTRANCE APRONS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5MM); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19MM), 6" (FE AND PE) AND 8" (CE)	4% @ 50 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0MM)	4% @ 70 GYR
TEMPORARY PAVEMENT, 10 1/4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19MM, 8.25"	4% @ 50 GYR
TEMPORARY RAMPS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM)/ VARIABLE DEPTH	4% @ 50 GYR

STRUCTURAL DESIGN TRAFFIC: 35,214 YEAR: 2030

PV = 33,524 SU = 810 MU = 880

ROAD/STREET CLASSIFICATION:CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 95.2% S = 2.3% M = 2.5%

TRAFFIC FACTOR:ACTUAL TF = 9.9 AC TYPE = N/A

MINIMUM TF = 9.04

PG GRADE: N/A BINDER = N/A SURFACE = N/A

SUBGRADE SUPPORT RATING:

SSR = POOR

NOTES:

THE UNIT WEIGHT USED TO CALCULATE HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/IN

NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT 1 SPECIAL PROVISIONS FOR "PERCENT OF RAP" SEE DISTRICT 1 SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

CONTRACTOR SHALL MILL BEFORE PATCHING.

IF THE CONTRACTOR CHOOSES TO USE PC TEMPORARY PAVEMENT, THE THICKNESS WILL BE PORTLAND CEMENT CONCRETE PAVEMENT 8-1/4" (JOINTED).

PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS.

FILE NAME = s:\jol\6300--6399\6346\023\micros\sht\D160132-sht-typical.dgn

STRAND ASSOCIATES, INC. ENGINEERS
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = amandaj	DESIGNED - MAG	REVISED -
	DRAWN - MAG	REVISED -
PLOT SCALE = 14.0000 ' / in.	CHECKED - SJN	REVISED -
PLOT DATE = 5/14/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: AS SHOWN | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	11 WRS-3	KENDALL	527	37

CONTRACT NO. 60I32

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT