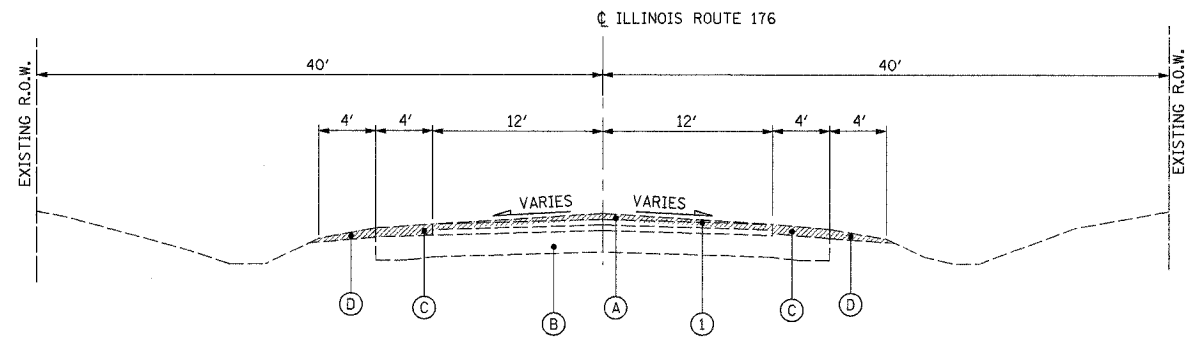


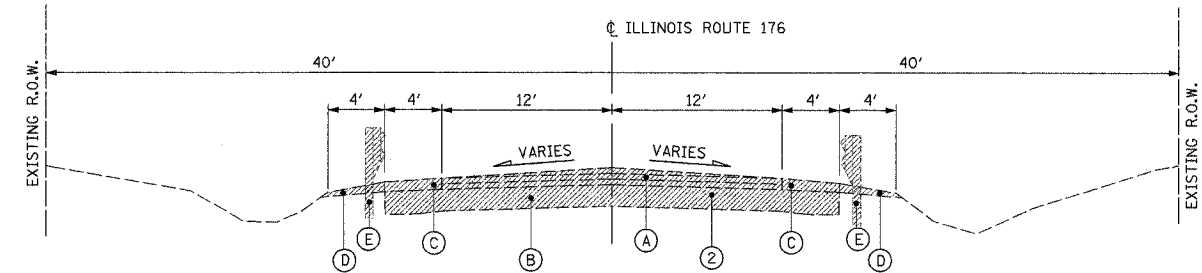
CONTRACT NO. 62336

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-2-B	McHENRY	64	5
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



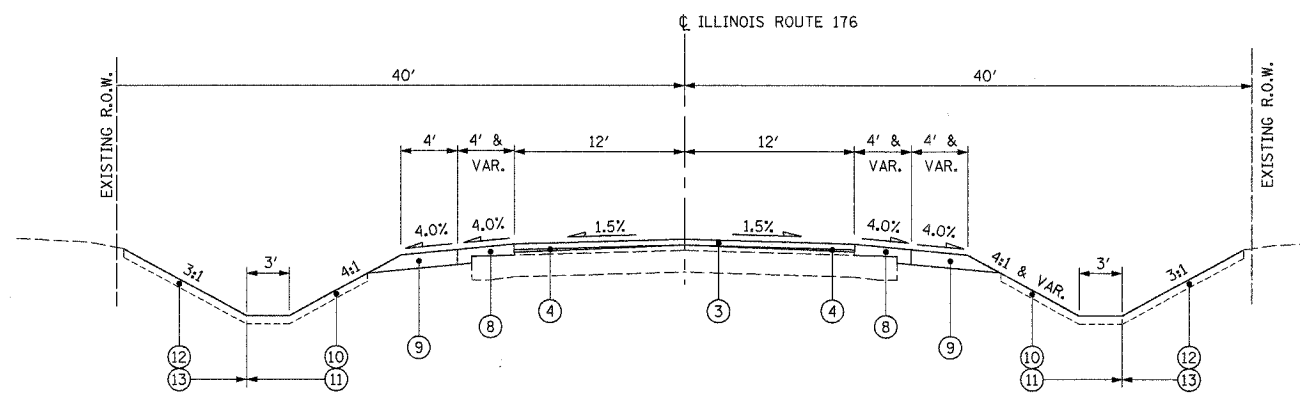
EXISTING TYPICAL SECTION

STA. 5+10 TO STA. 6+50
STA. 14+50 TO STA. 15+15



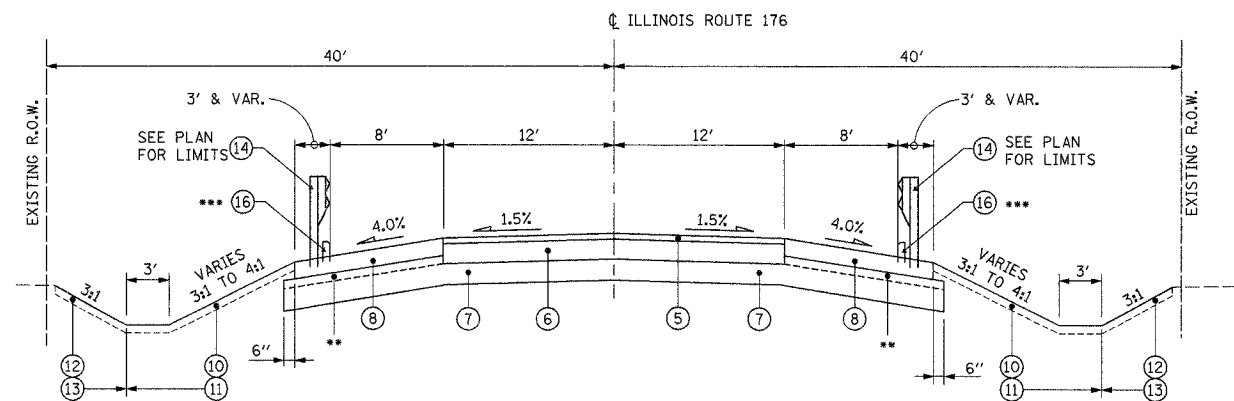
EXISTING TYPICAL SECTION

STA. 6+50 TO STA. 9+58.50±
STA. 10+41± TO STA. 14+50



PROPOSED TYPICAL SECTION

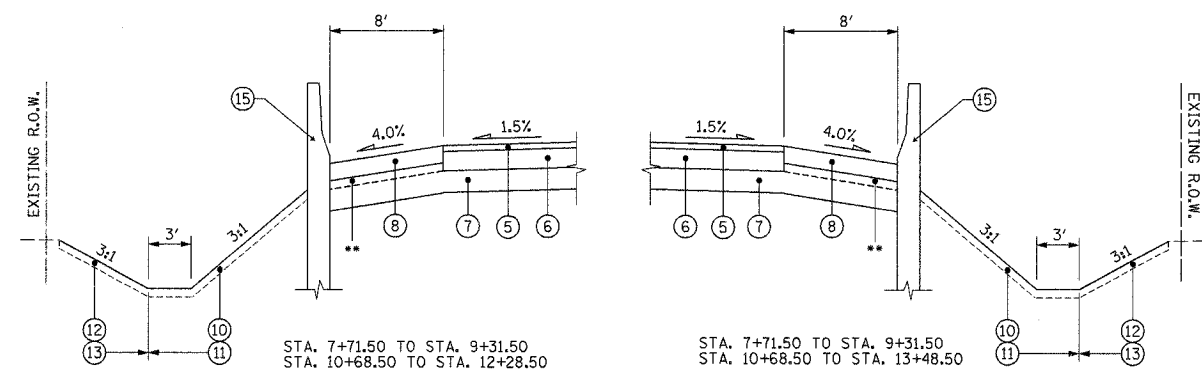
STA. 5+10.00 TO STA. 6+50.00
STA. 14+50.00 TO STA. 15+15.00



STA. 6+50.00 TO STA. 7+71.50
STA. 12+28.50 TO STA. 14+50.00

STA. 6+50.00 TO STA. 7+71.50
STA. 13+48.50 TO STA. 14+50.00

OR



STA. 7+71.50 TO STA. 9+31.50
STA. 10+68.50 TO STA. 12+28.50

STA. 7+71.50 TO STA. 9+31.50
STA. 10+68.50 TO STA. 13+48.50

PROPOSED TYPICAL SECTION

STA. 6+50 TO STA. 9+31.50
STA. 10+68.50 TO STA. 14+50

•• ADDITIONAL AGGREGATE THICKNESS INCIDENTAL TO 7
••• PROVIDE CONCRETE CURB, TYPE B BENEATH TRAFFIC BARRIER TERMINAL SECTION, TYPE 6 PER HWY STD 631031

LEGEND :

EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE ± 5"
- (B) P.C.C. BASE COURSE (VARIES 7"-9")
- (C) HOT-MIX ASPHALT SHOULDER (DEPTH VARIES)
- (D) AGGREGATE SHOULDER
- (E) STEEL PLATE BEAM GUARDRAIL
- ▨ ITEM TO BE REMOVED

PROPOSED IMPROVEMENTS:

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 3 "
- ② PAVEMENT REMOVAL
- ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5mm, N50, 2 "
- ④ LEVELING BINDER (MACHINE METHOD), IL-9.5, N50 (1" & VARIES)
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50, 2" } HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 13"
- ⑥ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 11"
- ⑦ AGGREGATE SUBGRADE, 12"
- ⑧ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑨ AGGREGATE SHOULDERS, TYPE B, 8"
- ⑩ TOPSOIL FURNISH AND PLACE, 4"
- ⑪ SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
- ⑫ COMPOST FURNISH AND PLACE, 2"
- ⑬ SEEDING, CLASS 3 & 5A
- ⑭ STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑮ CONCRETE RETAINING WALL
- ⑯ CONCRETE CURB, TYPE B

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
OPERATION	MIXTURE TYPE	AC TYPE	AIR VOIDS
ROADWAY RECONSTRUCT. (FULL-DEPTH)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5mm, N50 (2")	PG 64-22	4% @ 50 GYR.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (11")	PG 64-22*	4% @ 50 GYR.
ROADWAY RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5mm, N50 (2")	PG 64-22	4% @ 50 GYR.
	LEVELING BINDER (MACHINE METHOD), IL-9.5mm, N50 (1")	PG 64-22*	4% @ 50 GYR.
DRIVEWAYS	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL 9.5mm, N50 (2")	PG 64-22	4% @ 50 GYR.
	HOT-MIX ASPHALT BASE COURSE, 6" (PE) OR 8" (CE) (BINDER IL 19.0mm)	PG 64-22*	4% @ 50 GYR.
SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 8"	PG 64-22*	2% @ 30 GYR.
TEMPORARY RAMP	HOT-MIX ASPHALT BINDER IL 19.0 N50	PG 64-22*	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 lbs/sq yd/ln
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	ILLINOIS ROUTE 176 OVER THE KISHWAUKEE RIVER	
		TYPICAL SECTIONS	
		SCALE: VERT. N.T.S.	DRAWN BY: WS
		HORIZ. N.T.S.	CHECKED BY: RJS
		DATE: 10-05-07	
		GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.	
		CHICAGO, ILLINOIS	