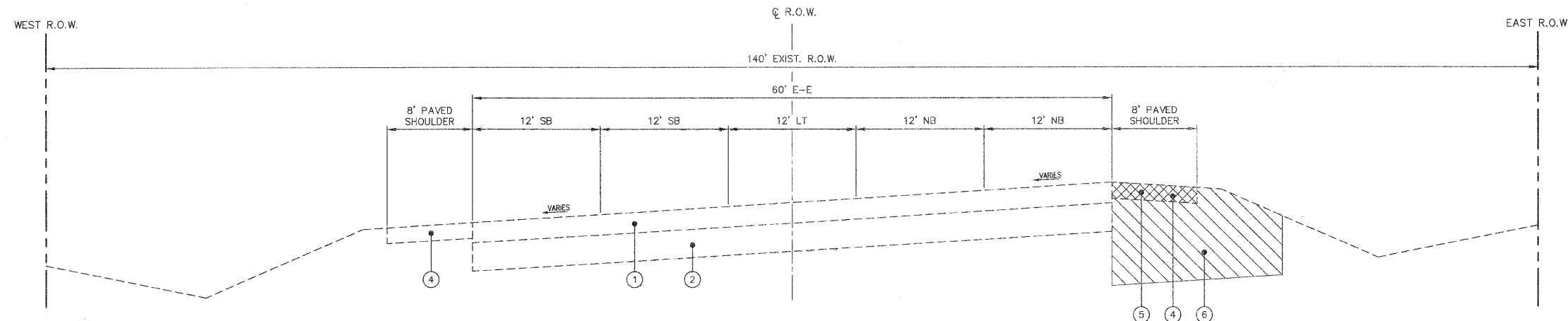


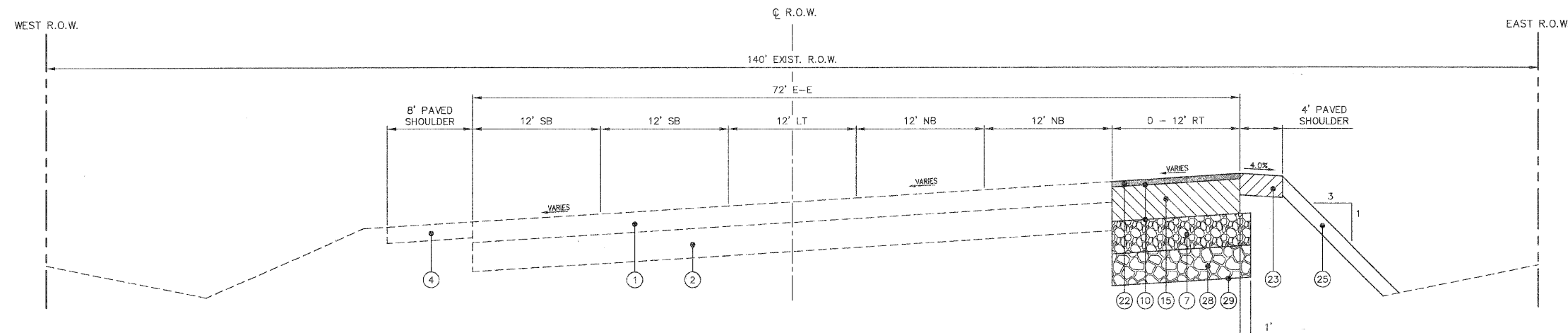


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	11
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

**EXISTING PAVEMENT CROSS SECTION
ORCHARD ROAD
(STA. 80+27 TO STA. 85+00)**



**PROPOSED PAVEMENT CROSS SECTION
ORCHARD ROAD
(STA. 80+27 TO STA. 85+00)**



LEGEND

- | | |
|---|---|
| ① EXISTING ASPHALT PAVEMENT | ⑮ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS) |
| ② EXISTING BASE MATERIAL | ⑯ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES |
| ③ EXISTING AGGREGATE SHOULDER | ⑰ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" |
| ④ EXISTING PAVED SHOULDER | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5" |
| ⑤ PAVEMENT REMOVAL | ⑲ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" |
| ⑥ EARTH EXCAVATION (WIDENING) | ⑳ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" |
| ⑦ PROPOSED AGGREGATE SUBGRADE, 12" | ㉑ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER) |
| ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | ㉒ STRIP REFLECTIVE CRACK CONTROL |
| ⑨ BITUMINOUS MATERIALS (PRIME COAT) | ㉓ TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS |
| ⑩ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) | ㉔ HOT-MIX ASPHALT SURFACE REMOVAL, 1.5" |
| ⑪ AGGREGATE (PRIME COAT) | ㉕ HOT-MIX ASPHALT SURFACE REMOVAL, 2" |
| ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS) | ㉖ POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED |
| ⑬ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS) | ㉗ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED |
| ⑭ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS) | |
| ⑮ PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS) | |
| ⑯ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25" | |

NOTE:

FROM STATION 80+27 TO 83+00 THE RIGHT TURN LANE SHALL MATCH THE EXISTING SUPER ELEVATION SLOPE ON ORCHARD ROAD. FROM STATION 83+00 TO 85+00, THE RIGHT TURN LANE SLOPE TRANSITIONS FROM AN e OF 3.2% TO A NORMAL CROWN OF -1.5%.

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
ORCHARD ROAD	WIDENING, 15"	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 13"	SBS/SBR PG 70-22	4% @ 90 Gyr.
ORCHARD ROAD	HMA SHOULDER	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL-9.5 MM)	SBS/SBR PG 70-22	4% @ 90 Gyr.
		HOT-MIX ASPHALT SHOULDER, 8" (HMA BINDER IL-19.0 MM) (BOTTOM 6")	PG 64-22	4% @ 50 Gyr.
		(HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64-22	4% @ 50 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ. YD./INCH.

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	DATE	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<h1>TYPICAL CROSS SECTIONS</h1>	
SCALE:	DATE: 03-26-09	DRAWN BY: KKP	CHECKED BY: TVW