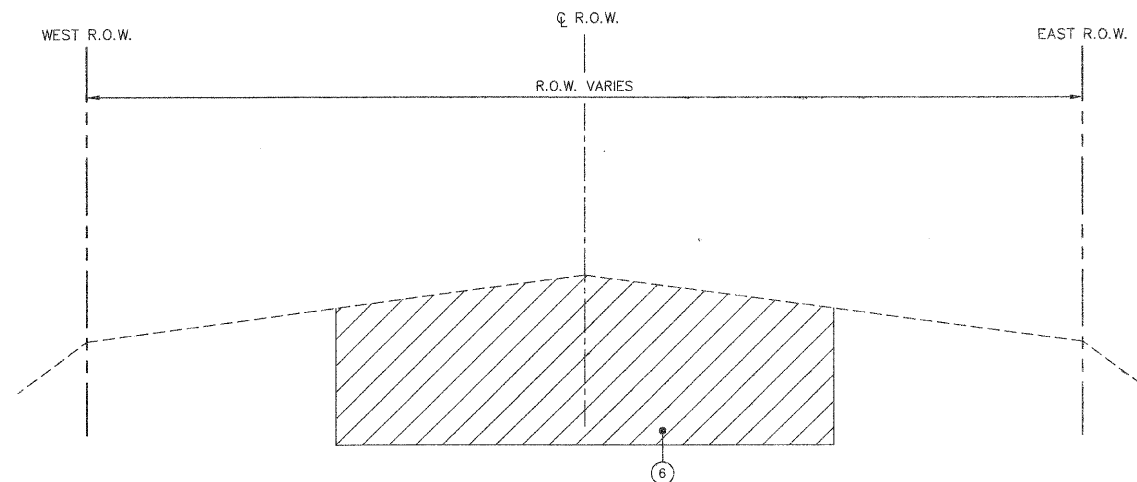


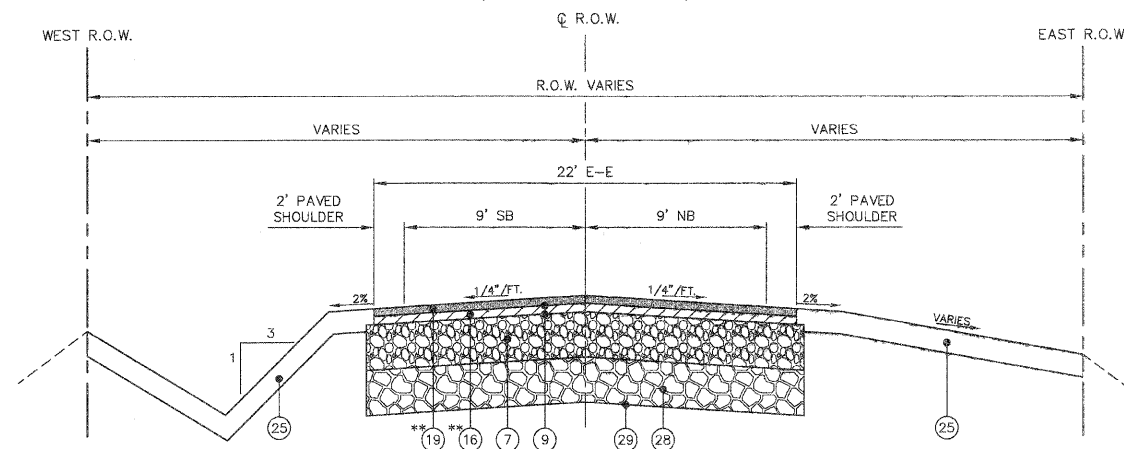


F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	13
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

**EXISTING PAVEMENT CROSS SECTION  
CANNONBALL TRAIL  
(STA. 7+83 TO STA. 9+75)**



**PROPOSED PAVEMENT CROSS SECTION  
CANNONBALL TRAIL  
(STA. 7+83 TO STA. 9+75)**



**LEGEND**

- |   |   |
|---|---|
| ① EXISTING ASPHALT PAVEMENT   | ⑰ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)    |
| ② EXISTING BASE MATERIAL  | ⑱ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES         |
| ③ EXISTING AGGREGATE SHOULDER   | ⑲ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"             |
| ④ EXISTING PAVED SHOULDER   | ⑳ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"           |
| ⑤ PAVEMENT REMOVAL  | ㉑ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"             |
| ⑥ EARTH EXCAVATION (WIDENING)   | ㉒ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" |
| ⑦ PROPOSED AGGREGATE SUBGRADE, 12"  | ㉓ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)        |
| ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12                      | ㉔ STRIP REFLECTIVE CRACK CONTROL  |
| ⑨ BITUMINOUS MATERIALS (PRIME COAT)   | ㉕ TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS                      |
| ⑩ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)                                   | ㉖ HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"                                 |
| ⑪ AGGREGATE (PRIME COAT)  | ㉗ HOT-MIX ASPHALT SURFACE REMOVAL, 2"                                   |
| ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)                          | ㉘ POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED                        |
| ⑬ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)                          | ㉙ 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"                     |   |

**EXISTING THICKNESS TABLE**

ROADWAY	EXISTING HOT-MIX ASPHALT THICKNESS (INCHES)	EXISTING AGGREGATE BASE COURSE THICKNESS (INCHES)
EXISTING BASELINE ROAD	7.5	9
HORSEMAN TRAIL (STA 3+45 TO STA 9+50)	11	12
HORSEMAN TRAIL (STA 9+50 TO STA 15+00)	7.75	3
CATERPILLAR DRIVE	4 (SHOULDER)	0 (SHOULDER)
ORCHARD ROAD	12.5	6

**HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE**

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
CANNONBALL TRAIL	NEW CONSTRUCTION	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 4 1/4" (HMA BINDER IL-19.0 MM) (BOTTOM 2 1/4") (HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64-22*	4% @ 50 Yrs.
CANNONBALL TRAIL	OVERLAY, 2"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5 MM)	PG 64-22	4% @ 50 Yrs.

\* 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:	DRAWN BY: KKP	
DATE: 03-26-09	CHECKED BY: TVW	