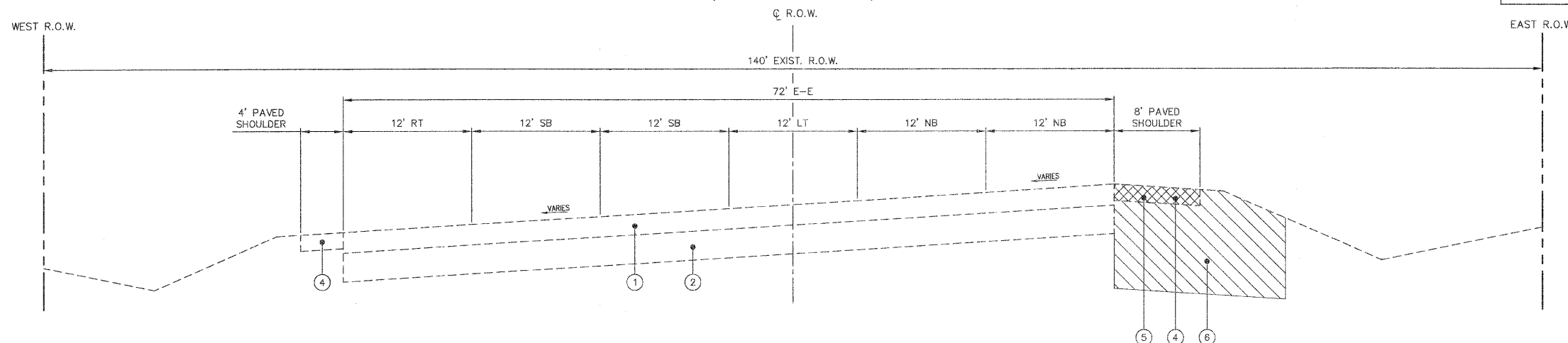


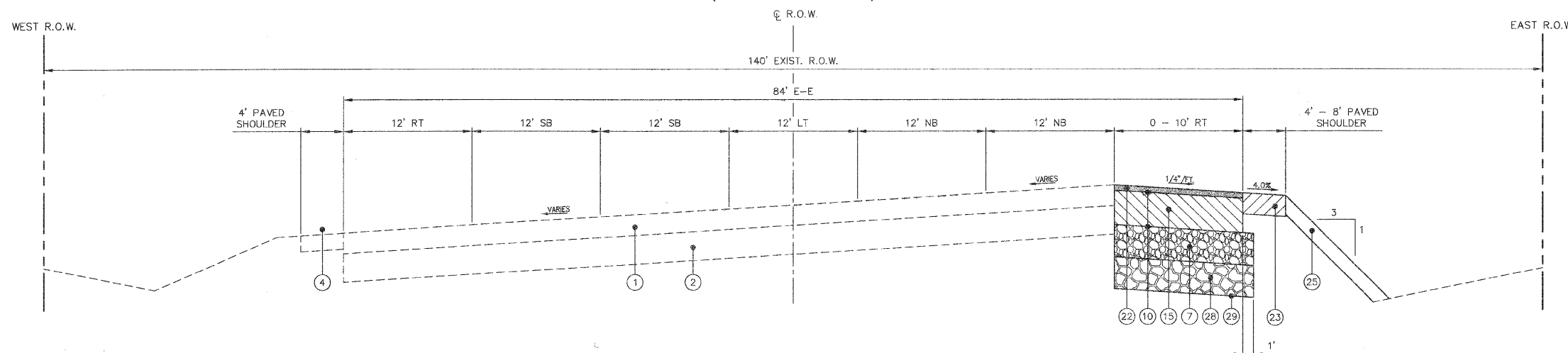


|                       |                |                  |              |           |
|-----------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 1680                  | 05-00038-00-PV | KANE/KENDALL     | 130          | 12        |
| STA.                  | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. - | ILLINOIS       | FED. AID PROJECT |              |           |

**EXISTING PAVEMENT CROSS SECTION  
ORCHARD ROAD**  
(STA. 85+00 TO STA. 86+42)



**PROPOSED PAVEMENT CROSS SECTION  
ORCHARD ROAD**  
(STA. 85+00 TO STA. 86+42)



**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"                     |   |

**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, N80 13"   | SBS/SBR PG 70-22 | 4% @ 90 Gyr. |
|              |               | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL-9.5 MM)                                    | SBS/SBR PG 70-22 | 4% @ 90 Gyr. |
| ORCHARD ROAD | HMA SHOULDER  | HOT-MIX ASPHALT SHOULDER, 8" (HMA BINDER IL-19.0 MM) (BOTTOM 6") (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.

| REVISIONS |      |
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL  
CROSS  
SECTIONS**

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

|               |  |
|---------------|--|
| DATE          |  |
| BY            |  |
| PLAN          |  |
| NOTE BOOK NO. |  |
| CHECKED       |  |
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