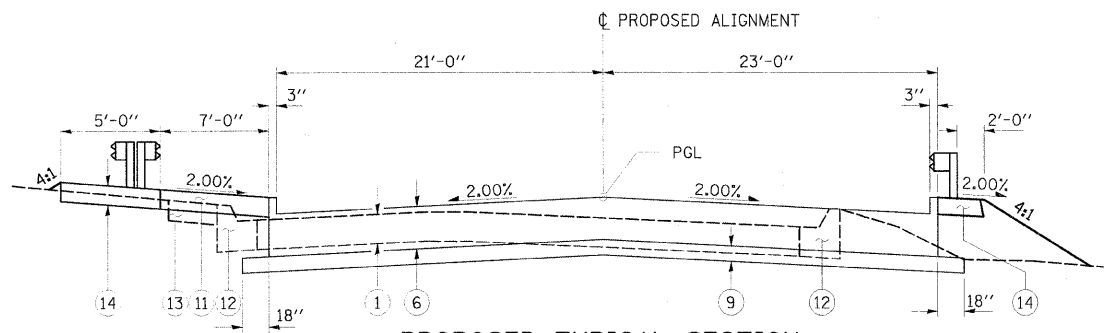
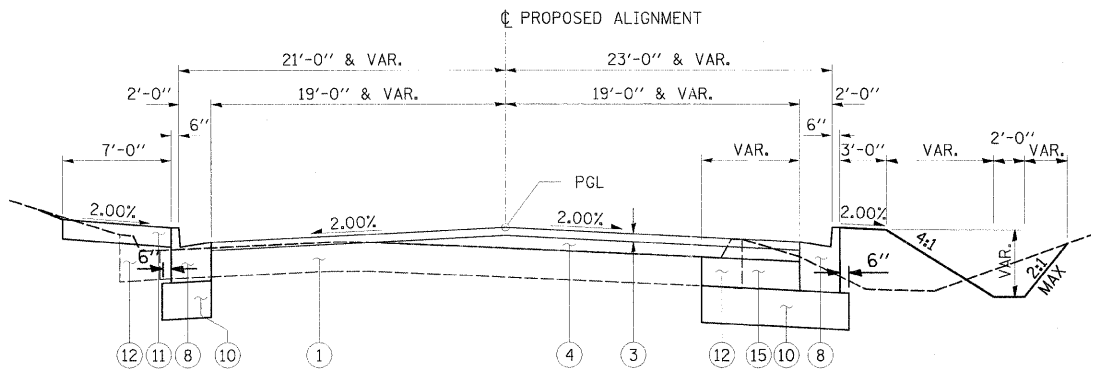


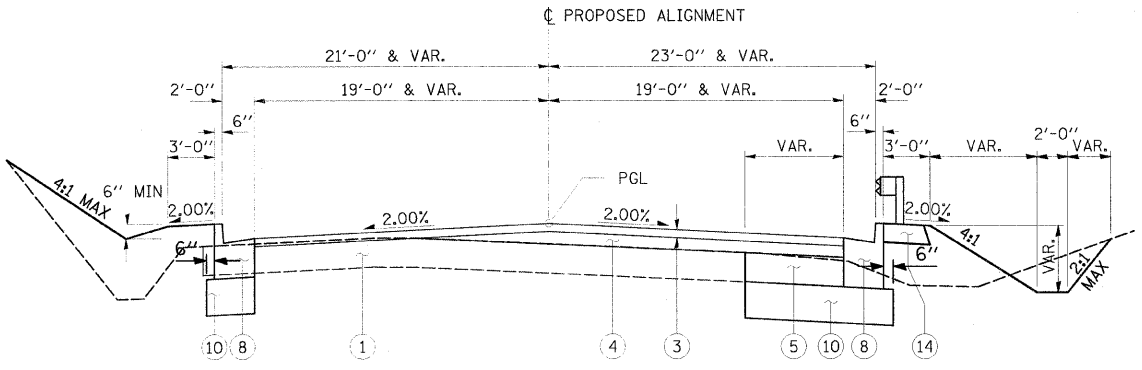
|                     |          |                  |           |              |
|---------------------|----------|------------------|-----------|--------------|
| ROUTE NO.           | DISTRICT | COUNTY           | SHEET NO. | TOTAL SHEETS |
| F.A.U. 2503         | (35)BR-2 | KENDALL          | 129       | 5            |
| FED. ROAD DIST. NO. |          | FED. AID PROJECT |           |              |
| 5                   |          |                  |           |              |



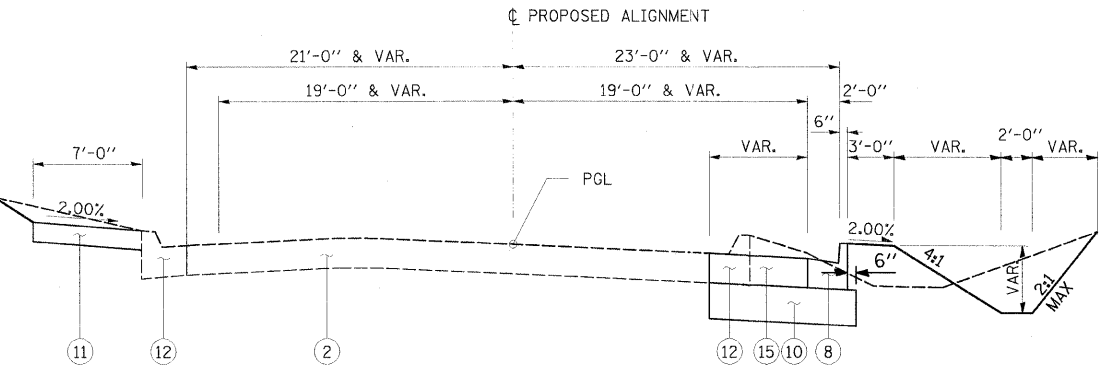
**PROPOSED TYPICAL SECTION**  
 STA. 12+03.00 TO STA. 12+08.00 FLEXIBLE PAVEMENT CONNECTOR  
 STA. 12+08.00 TO STA. 12+38.00 BRIDGE APPROACH PAVEMENT  
 STA. 13+44.00 TO STA. 13+74.00 BRIDGE APPROACH PAVEMENT  
 STA. 13+74.00 TO STA. 13+80.00 FLEXIBLE PAVEMENT CONNECTOR



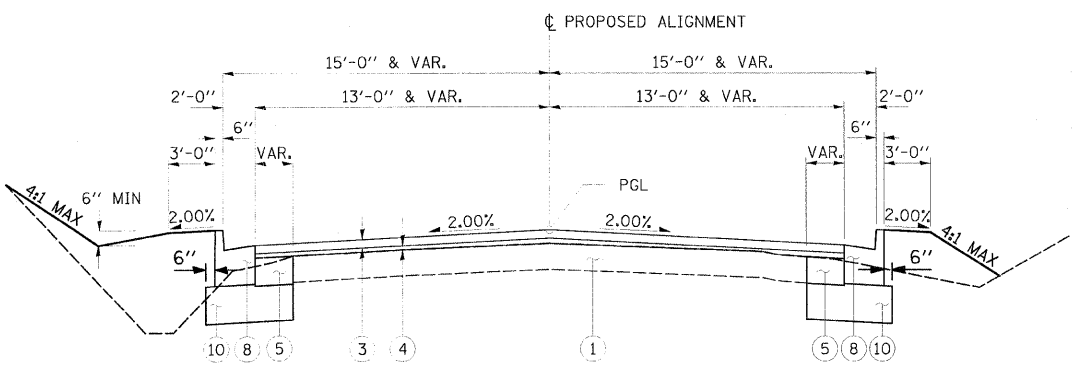
**PROPOSED TYPICAL SECTION**  
 STA. 13+80.00 TO STA. 14+50.00



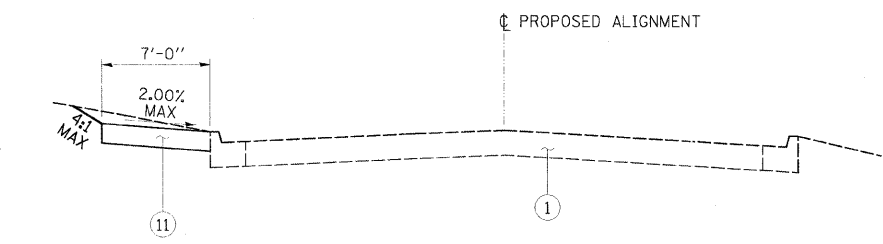
**PROPOSED TYPICAL SECTION**  
 STA. 10+80.63 TO STA. 12+03.00



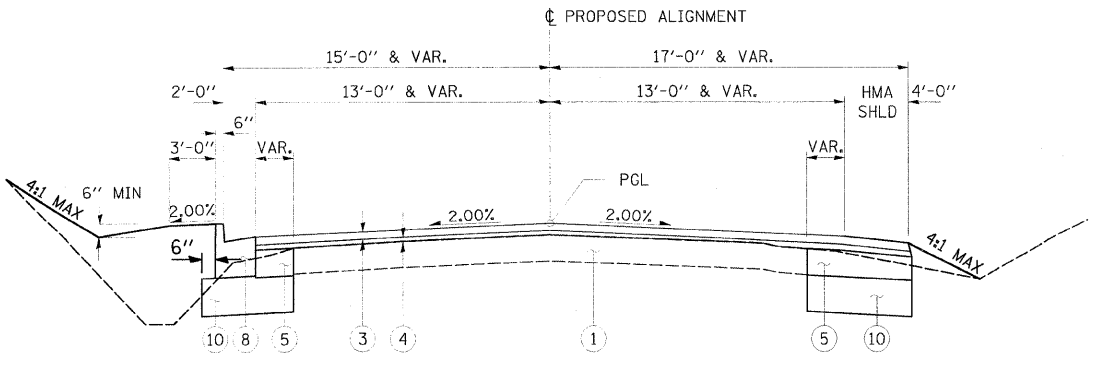
**PROPOSED TYPICAL SECTION**  
 STA. 14+50.00 TO STA. 16+01.15



**PROPOSED TYPICAL SECTION**  
 STA. 10+13.22 TO STA. 10+80.63



**PROPOSED TYPICAL SECTION**  
 STA. 16+01.15 TO STA. 16+85.75



**PROPOSED TYPICAL SECTION**  
 STA. 7+00.00 TO STA. 10+13.22

|                       | HMA Binder      | HMA Level Binder         | HMA Surface       | HMA Base Course |
|-----------------------|-----------------|--------------------------|-------------------|-----------------|
| PG Grade              | PG64-22         | PG64-22                  | PG64-22           | PG58-22         |
| Max % Rap Allowable** | 15%             | 15%                      | 10%               | 25%             |
| Design Air Voids      | 4.0% @ N70      | 4.0% @ N70               | 4.0% @ N70        | 4.0% @ N50      |
| Mixture Composition   | IL 19.0         | IL 9.5                   | IL 12.5 or IL 9.5 | IL 19.0         |
| Friction Aggregate    |                 |                          | Mixture D         |                 |
| Density Test Method   | Cores / Nuclear | Satisfaction of Engineer | Cores / Nuclear   | *               |

\* Material shall be compacted to 93.0 - 97.4 percent of the maximum theoretical density, except that when placed as first lift on an unimproved subgrade the minimum percent compaction shall be 92.0 percent. The maximum theoretical density shall be determined from the moving average as specified in the QC/QA Specifications.

\*\* If RAP option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the Engineer

**LEGEND**

- ① EXISTING HMA RESURFACING OVER CONCRETE PAVEMENT
- ② EXISTING CR CONCRETE PAVEMENT
- ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1.5" THICKNESS)
- \*④ LEVELING BINDER VARIABLE DEPTH (MACHINE METHOD), N70 (1" MIN / 5" MAX)
- ⑤ HOT-MIX ASPHALT BASE COURSE, 10"
- ⑥ BRIDGE APPROACH PAVEMENT
- ⑦ BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)
- ⑧ CRC COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- ⑪ PORTLAND CEMENT CONCRETE SIDEWALK 4"
- ⑫ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑬ EXISTING SIDEWALK
- ⑭ HOT-MIX ASPHALT BASE COURSE, 6", SPECIAL
- ⑮ PORTLAND CEMENT CONCRETE PAVEMENT, 11"

\*NOTE: HMA BINDER COURSE, IL-19.0, N70 SHALL BE PLACED WITH MINIMUM 2-1/4" LIFTS WHERE LEVELING BINDER THICKNESS EXCEEDS 5".  
 HMA BASE COURSE, 6", SPECIAL TO BE USED FOR GUARDRAIL STABILIZATION.

**PAVEMENT STRUCTURAL DESIGN - IL RTE. 25**  
 DESIGN PERIOD 20 YEARS  
 STRUCTURAL DESIGN TRAFFIC (SDT) = 9300 (2018)  
 PV = 8110 SU = 828 MU = 362  
 ROAD/STREET CLASSIFICATION: CLASS II  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 50% S = 50% MU = 50%  
 TRAFFIC FACTOR ACTUAL TF 3.81 AC TYPE 20  
 MINIMUM TF N.A.  
 PC GRADE BINDER = 64-22 SURFACE = 64-22  
 SUBGRADE SUPPORT RATING  
 SSR = POOR  
 SSR = POOR

**HAMPTON, LENZINI & RENWICK, INC.**  
 CIVIL & STRUCTURAL ENGINEERS  
 3085 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 (217) 546-3400  
 ELGIN • SPRINGFIELD  
 PROJECT NUMBER: 12-06-0029-I DATE: 06/01/07  
 DESIGNED: LFS CHECKED: S.W.M. DRAWN: TWK

**PROPOSED TYPICAL SECTIONS**  
 SECTION (35) BR-2  
 IL 25 OVER WAUBONSEE CREEK  
 KENDALL COUNTY