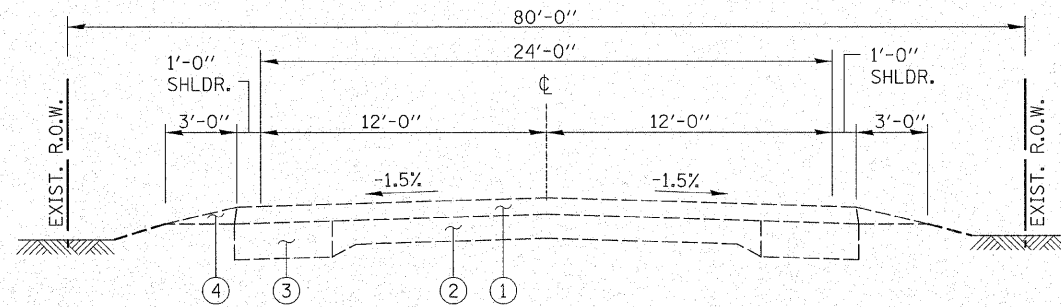
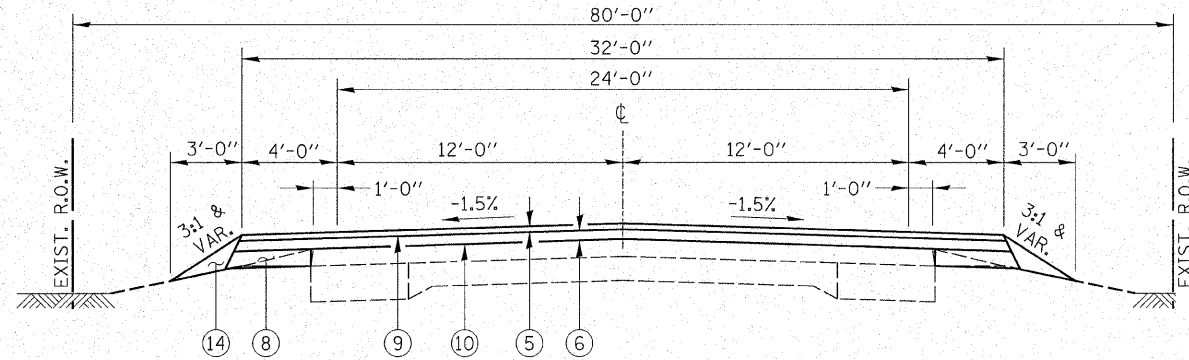


ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.P. 776	(116BR-1, BR-2, BR-3)B-1	HAMILTON	140	6
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		



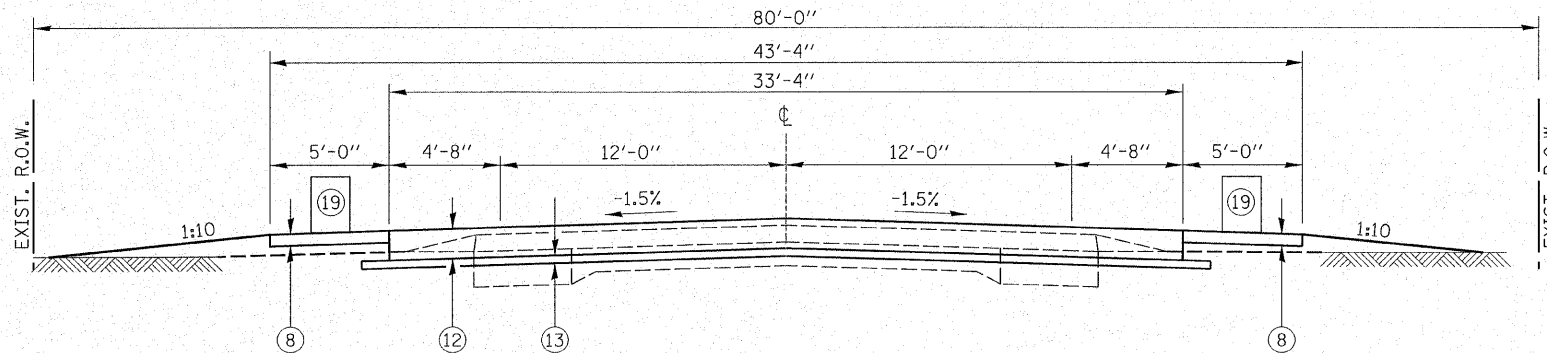
EXISTING TYPICAL CROSS SECTION

STA. 513+50.00 TO 516+31.73
 STA. 517+18.27 TO 520+00.00
 STA. 536+00.00 TO 538+59.20
 STA. 540+22.20 TO 543+71.10
 STA. 544+81.10 TO 547+50.0



PROPOSED ROADWAY TYP. SECTION

STA. 513+50.00 TO 515+82.25
 STA. 517+67.75 TO 520+00.00
 STA. 536+00.00 TO 538+10.20
 STA. 545+57.10 TO 547+50.00



PROPOSED BRIDGE APPROACH PAVEMENT TYP. SECTION

STA. 515+76.25 TO STA. 515+82.25 (FLEXIBLE CONNECTOR)
 STA. 515+82.25 TO STA. 516+12.25
 STA. 517+37.75 TO STA. 517+67.75
 STA. 517+67.75 TO STA. 517+73.75 (FLEXIBLE CONNECTOR)

LEGEND

- ① EXISTING BITUMINOUS RESURFACING (2 1/2")
- ② EXISTING 18' WIDE CONCRETE PAVEMENT (9"-6"-9")
- ③ EXISTING CONCRETE BASE COURSE WIDENING (9")
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90 (1 1/2" THICKNESS MIN)
- ⑥ LEVELING BINDER (MACHINE METHOD), N90 (3/4" MIN)
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19, N90 (1 1/2")
- ⑧ HOT-MIX ASPHALT BASE COURSE 1 1/2"
- ⑨ BITUMINOUS MATERIALS (PRIME COAT)
- ⑩ AGGREGATE (PRIME COAT)
- ⑪ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- ⑫ BRIDGE APPROACH PAVEMENT
- ⑬ SEE STANDARD 420401 FOR SUB-BASE GRANULAR MATERIAL INCLUDED IN THE COST OF BRIDGE APPROACH PAVEMENT
- ⑭ EMBANKMENT
- ⑮ STEEL PLATE BEAM GUARDRAIL
- ⑯ HOT-MIX ASPHALT SHOULDERS (6")
- ⑰ TRAFFIC BARRIER TERMINAL TYPE 6
- ⑱ GRANULAR EMBANKMENT SPECIAL (12 1/2")
- ⑲ IMPACT ATTENUATORS (FULLY REDIRECTIVE, TEST LEVEL 3, NARROW)
- ⑳ STRIP REFLECTIVE CRACK CONTROL

PAVEMENT DESIGN

DESIGN PERIOD: 20 YEARS
 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 1738 YEAR 2018
 F.V. = 1286 S.U. = 243 M.U. = 209
 ROAD/STREET CLASSIFICATION: CLASS III ROAD
 PERCENT OF S.D.T. IN DESIGN LANE
 P = 50% S = 50% M = 50%
 TRAFFIC FACTOR = ACTUAL TF 1.07 AC TYPE 64-22
 MINIMUM TF N/A
 PG GRADE: BINDER = 64-22 SURFACE = 64-22
 SUBGRADE SUPPORT RATING:
 SSR= POOR

HAMPTON, LENZINI & RENWICK, INC.
 CIVIL & STRUCTURAL ENGINEERS

3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 (217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-41-0021-1 DATE: 07/31/07
 DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: W.J.S.

TYPICAL SECTIONS
 F.A.P. ROUTE 776 (IL 142)
 SECTION (116BR-1, BR-2, BR-3)B-1
 HAMILTON COUNTY