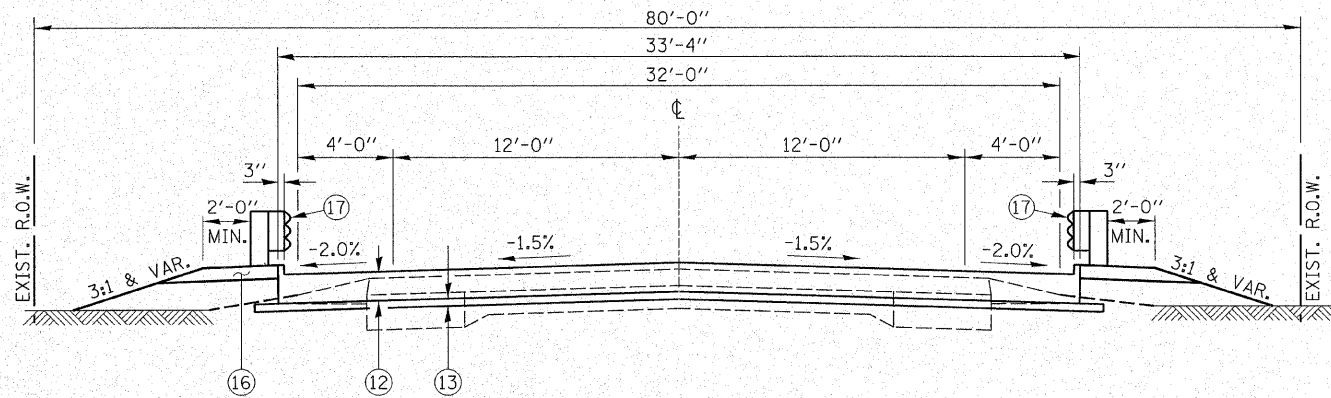


ROUTE NO.	SECTION	COUNTY	SHEETS	TOTAL SHEETS
F.A.P. 776	(116BR-1, BR-2, BR-3)B-1	HAMILTON	140	7
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

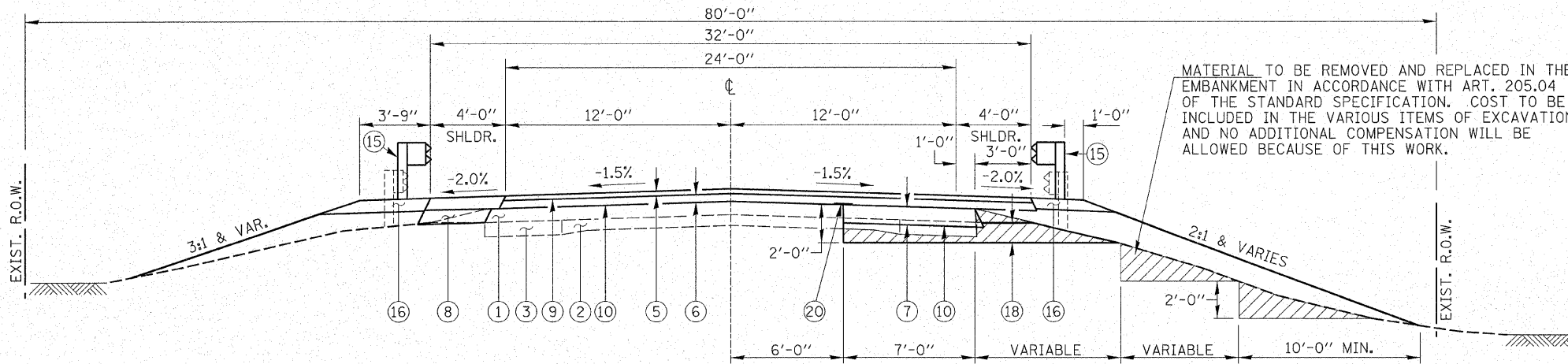
LEGEND

- 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



PROPOSED BRIDGE APPROACH PAVEMENT TYP. SECTION

STA. 538+10.20 TO STA. 538+16.20 (FLEXIBLE CONNECTOR)
 STA. 538+16.20 TO STA. 538+46.20
 STA. 539+82.20 TO STA. 540+12.20
 STA. 540+12.20 TO STA. 540+18.20 (FLEXIBLE CONNECTOR)
 STA. 543+49.10 TO STA. 543+55.10 (FLEXIBLE CONNECTOR)
 STA. 543+55.10 TO STA. 543+85.10
 STA. 545+21.10 TO STA. 545+51.10
 STA. 545+51.10 TO STA. 545+57.10 (FLEXIBLE CONNECTOR)



PROPOSED ROADWAY TYP. SECTION ADJACENT TO STRUCTURES

STA. 540+18.20 TO 543+49.10

MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

PAVEMENT DESIGN

DESIGN PERIOD: 20 YEARS
 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 1738 YEAR 2018
 P.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

PLOT DATE : 10/26/2007 FILE NAME = 41021-shr-typsections2.dgn

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