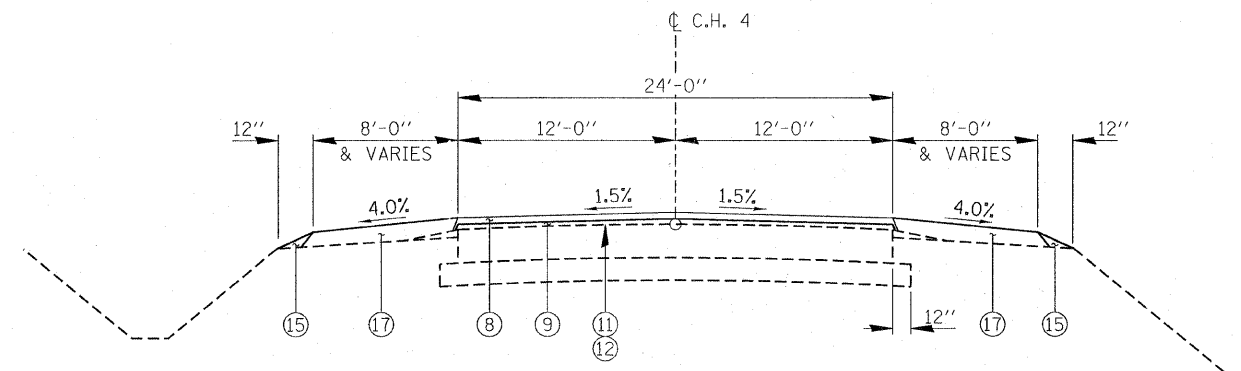
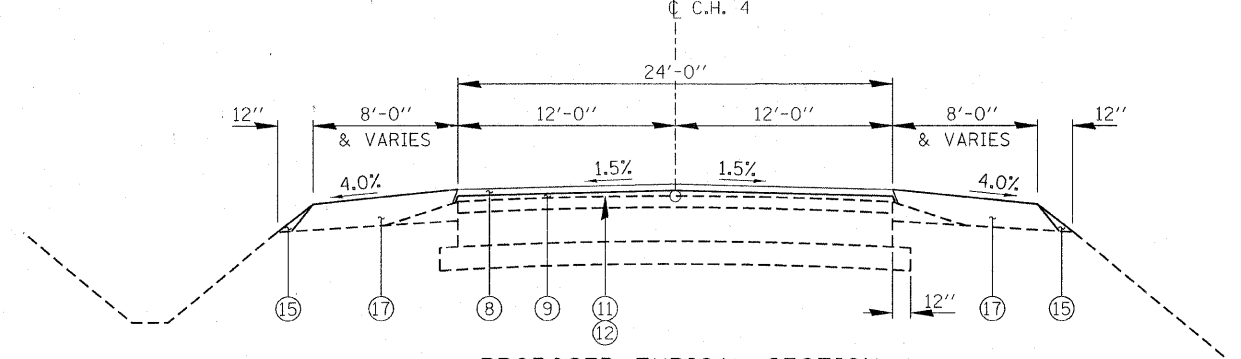


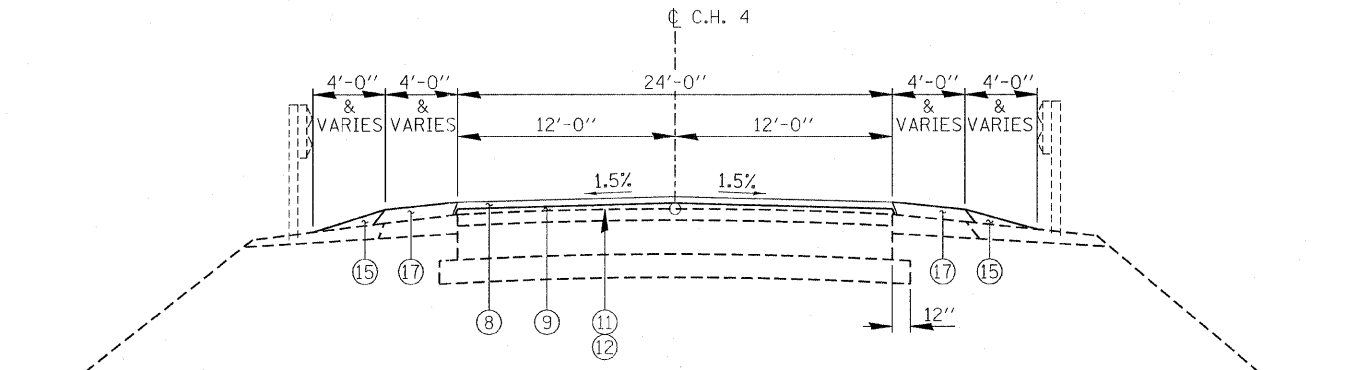
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00205-02-RS	IROQUOIS	76	7
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 87363		



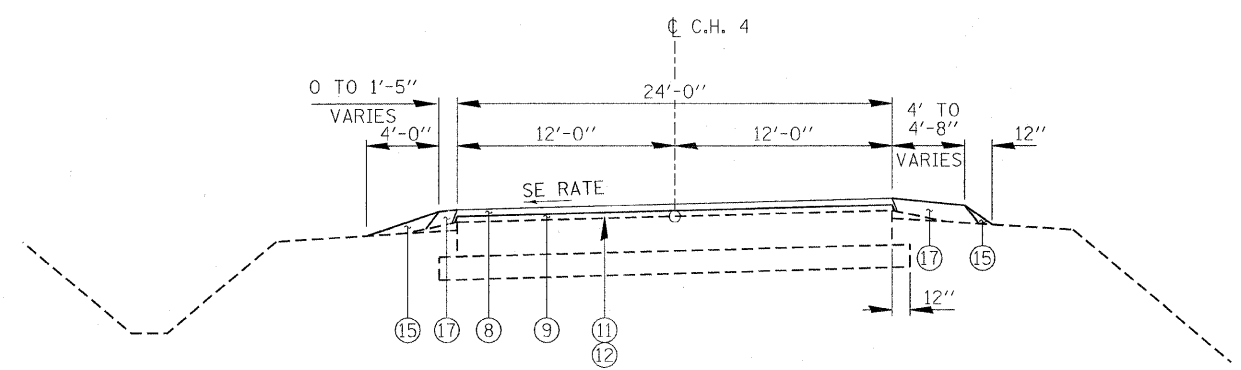
PROPOSED TYPICAL SECTION
 STA. 4+85.00 TO STA. 8+85.00
 STA. 27+00.00 TO STA. 29+47.17



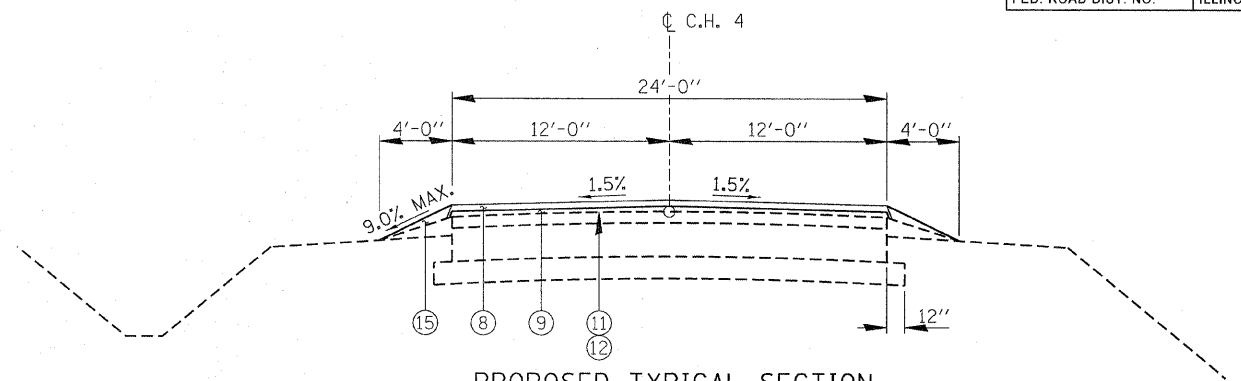
PROPOSED TYPICAL SECTION
 STA. 8+85.00 TO STA. 16+00.00
 STA. 22+62.00 TO STA. 27+00.00



PROPOSED TYPICAL SECTION
 STA. 16+00.00 TO STA. 17+95.01
 BRIDGE OMISSION STA. 17+95.01 TO STA. 20+54.27
 STA. 20+54.27 TO STA. 22+62.00



PROPOSED TYPICAL SECTION
 STA. 29+47.17 TO STA. 30+00.00



PROPOSED TYPICAL SECTION
 STA. 35+49.67 TO STA. 40+07.86
 STA. 44+45.60 TO STA. 46+18.00

PAVEMENT DESIGN
 C.H. 4 STA. 4+85.00 TO STA. 27+00.00
 DESIGN PERIOD 20 YEARS
 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 4330 YEAR 2018
 P.V. = 3811 S.U. = 303 M.U. = 217
 CLASS II ROAD
 PERCENT OF S.D.T. IN DESIGN LANE P = 50% S = 50% M = 50%
 80,000 LB. LOAD LIMIT
 DESIGN PER CHAPTER 37 SECTION 8.08 OF THE BUREAU OF LOCAL ROADS AND STREETS MANUAL
 TRAFFIC FACTOR = 1.65
 SN_e = 3.3
 SN_o = 0
 1.5" HMA SURFACE a₁ = .6
 1.75" LEVELING BINDER a₂ = .7
 LAPP THICKNESS 3.25" MAX.

PAVEMENT DESIGN
 C.H. 4 STA. 27+00.00 TO STA. 46+18.00
 DESIGN PERIOD 20 YEARS
 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 1575 YEAR 2018
 P.V. = 1386 S.U. = 110 M.U. = 79
 CLASS III ROAD
 PERCENT OF S.D.T. IN DESIGN LANE P = 50% S = 50% M = 50%
 80,000 LB. LOAD LIMIT
 DESIGN PER CHAPTER 37 SECTION 8.08 OF THE BUREAU OF LOCAL ROADS AND STREETS MANUAL
 TRAFFIC FACTOR = 0.59
 SN_e = 2.90
 SN_o = 0
 1.5" HMA SURFACE a₁ = .6
 1.75" LEVELING BINDER a₂ = .7
 LAPP THICKNESS 3.25" MAX.

LEGEND

- ① EXISTING AGGREGATE SHOULDER TYPE B
- ② EXISTING PCC CONCRETE PAVEMENT 9"
- ③ EXISTING SUB BASE GRANULAR MATERIAL, TYPE A 6"
- ④ EXISTING HMA SURFACE 3"
- ⑤ EXISTING CONCRETE PAVEMENT 9-6-9
- ⑥ EXISTING AGGREGATE BASE COURSE TYPE A 4"
- ⑦ EXISTING AGGREGATE BASE COURSE 9"
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1 1/2" THICKNESS MIN.)
- ⑨ LEVELING BINDER (MACHINE METHOD) N50 (1.75" THICKNESS MIN.)
- ⑩ BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ AGGREGATE (PRIME COAT)
- ⑫ HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT
- ⑬ PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ INCIDENTAL HOT-MIX ASPHALT SURFACING
- ⑯ HOT-MIX ASPHALT SHOULDERS 3.25"
- ⑰ AGGREGATE SURFACE COURSE, TYPE B 6"

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

HLR

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

ELGIN • SPRINGFIELD

PROJECT NUMBER: 07.0120.320 DATE: 05/06/08
 DESIGNED: L.F.S. CHECKED: DRAWN: TWK

PROPOSED TYPICAL SECTIONS
 F.A.S. 321 / C.H. 4
 SECTION 05-00205-02-RS
 IROQUOIS COUNTY

PLOT DATE 15/16/2008 FILE NAME = 46002-ah-typsections.dgn