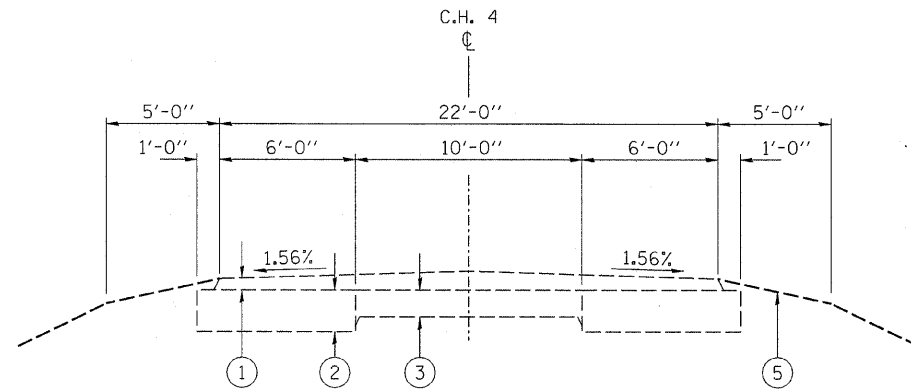
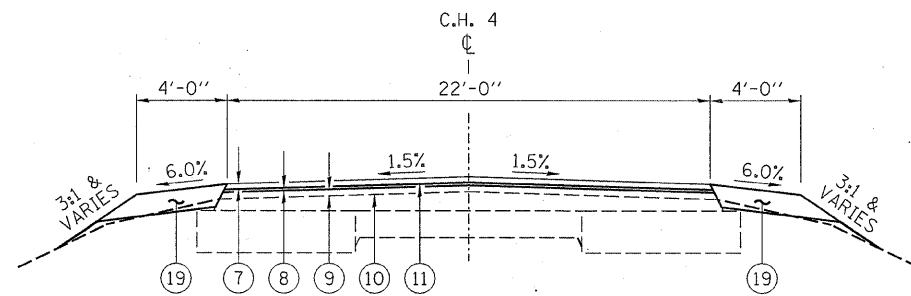


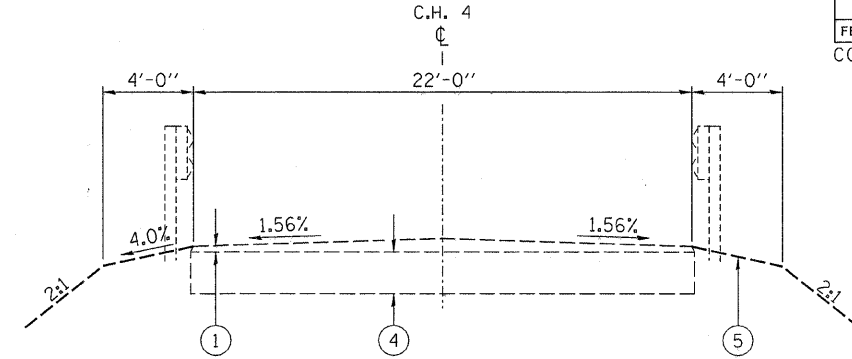
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057-02-RS	IROUOIS	100	6
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
			CONTRACT NO. 87322	



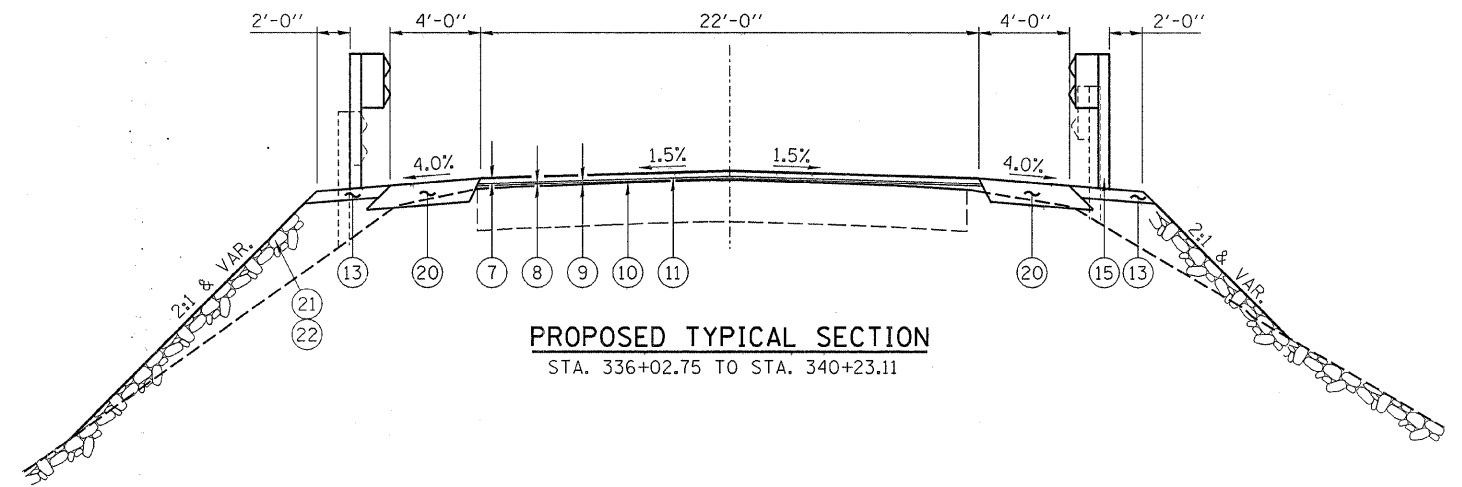
EXISTING TYPICAL SECTION
STA. 192+00.30 TO STA. 336+02.75



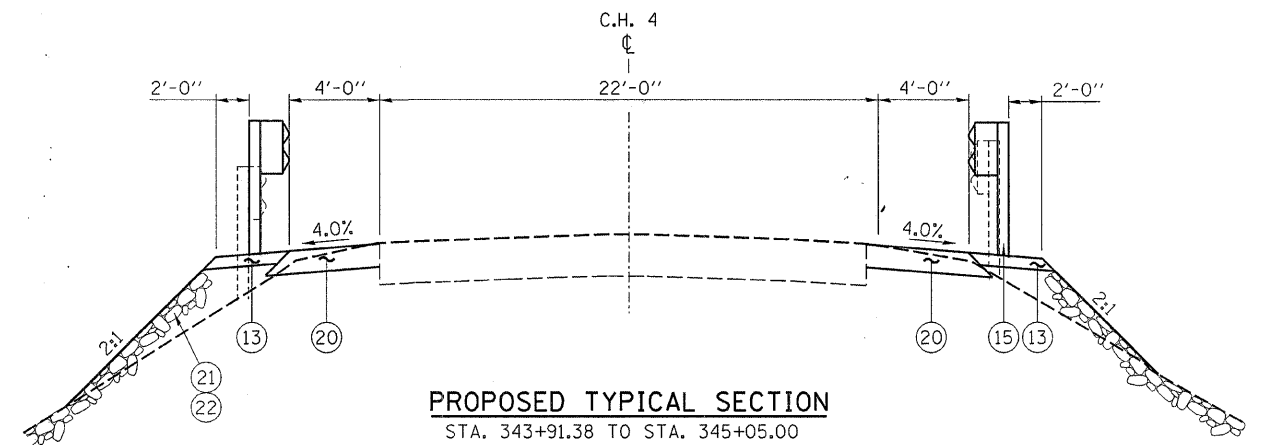
PROPOSED TYPICAL SECTION
STA. 192+00.30 TO STA. 336+02.75



EXISTING TYPICAL SECTION
STA. 336+02.75 TO STA. 340+23.11
STA. 343+91.38 TO STA. 345+05.00

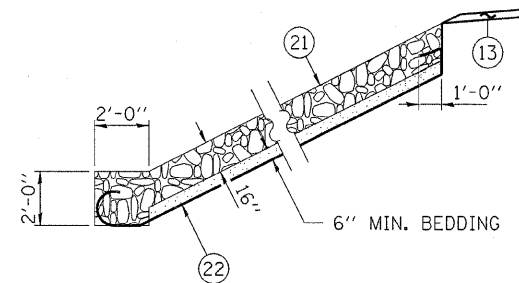


PROPOSED TYPICAL SECTION
STA. 336+02.75 TO STA. 340+23.11



PROPOSED TYPICAL SECTION
STA. 343+91.38 TO STA. 345+05.00

PAVEMENT DESIGN	
C.H. 4 STA. 192+60.30 TO STA. 340+23.11	
DESIGN PERIOD 20 YEARS	
STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 1115.4 YEAR 2018	
P.V. = 982 S.U. = 78 M.U. = 56	
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 = 0.30	
SN ₁ = 3.45	
SN ₂ = 2	
1.5" HMA SURFACE a ₁ = .6	
0.75" LEVELING BINDER a ₂ = .3	
1.75 HMA BINDER a ₃ = .58	



RIPRAP DETAIL
STA. 339+09.00 TO STA. 340+09.00
STA. 344+04.44 TO STA. 344+54.44

LEGEND

- | | | |
|--|--|--|
| ① EXISTING HMA SURFACE 3" | ⑧ LEVELING BINDER (MACHINE METHOD) N50 (0.75" MINIMUM THICKNESS) | ⑮ STEEL PLATE BEAM GUARDRAIL TYPE A |
| ② EXISTING AGGREGATE BASE COURSE 11" | ⑨ LEVELING BINDER (MACHINE METHOD) N50 (1.75" THICKNESS MIN) | ⑯ EARTH EMBANKMENT |
| ③ PCC CONCRETE PAVEMENT | ⑩ BITUMINOUS MATERIALS (PRIME COAT) | ⑰ INCIDENTAL HOT-MIX ASPHALT SURFACING |
| ④ EXISTING AGGREGATE BASE COURSE 9" | ⑪ AGGREGATE (PRIME COAT) | ⑱ AGGREGATE SURFACE COURSE 6" |
| ⑤ EXISTING EARTH SHOULDERS | ⑫ HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT | ⑲ AGGREGATE SHOULDER TYPE A 6" |
| ⑥ EXISTING STEEL PLATE BEAM GUARDRAIL | ⑬ HOT-MIX ASPHALT SHOULDERS 3" | ⑳ HOT MIX ASPHALT SHOULDERS 6" |
| ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1/2" THICKNESS MIN.) | ⑭ | ㉑ STONE RIPRAP CLASS A-4 |
| | | ㉒ FILTER FABRIC |

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
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SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 03-46-0001-1 DATE: 03/04/08
DESIGNED: L.F.S. CHECKED: DRAWN: W.J.S.

TYPICAL SECTIONS
F.A.S. 321 / C.H. 4
SECTION 05-00057-02-RS
IROUOIS COUNTY