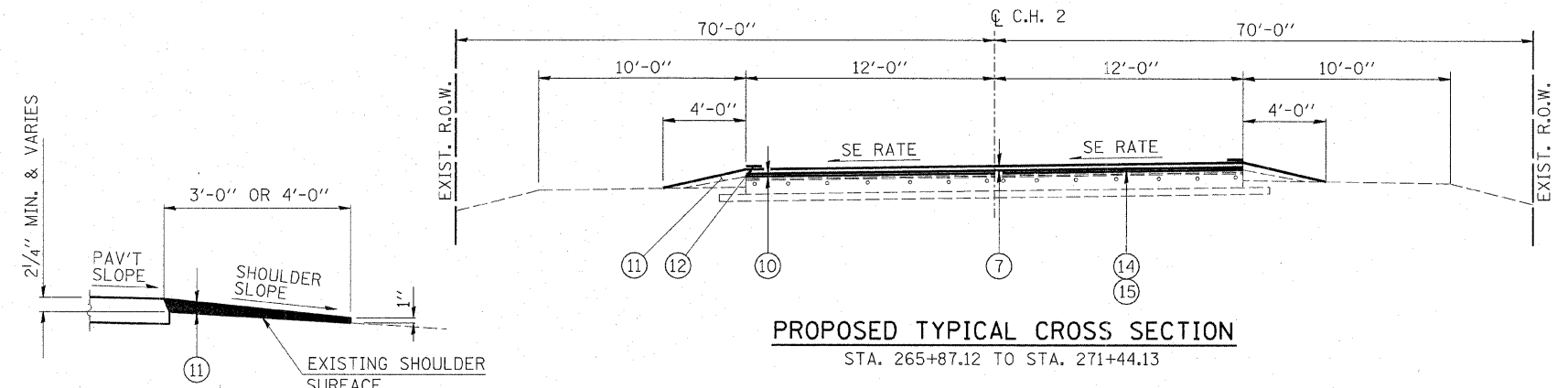
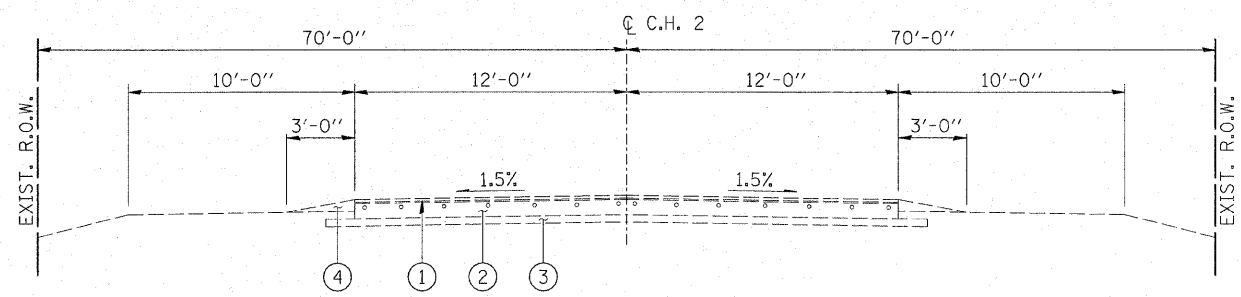
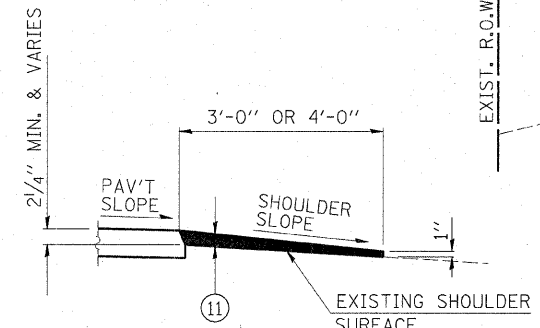


**EXISTING TYPICAL CROSS SECTION**  
STA. 265+87.12 TO STA. 271+44.13

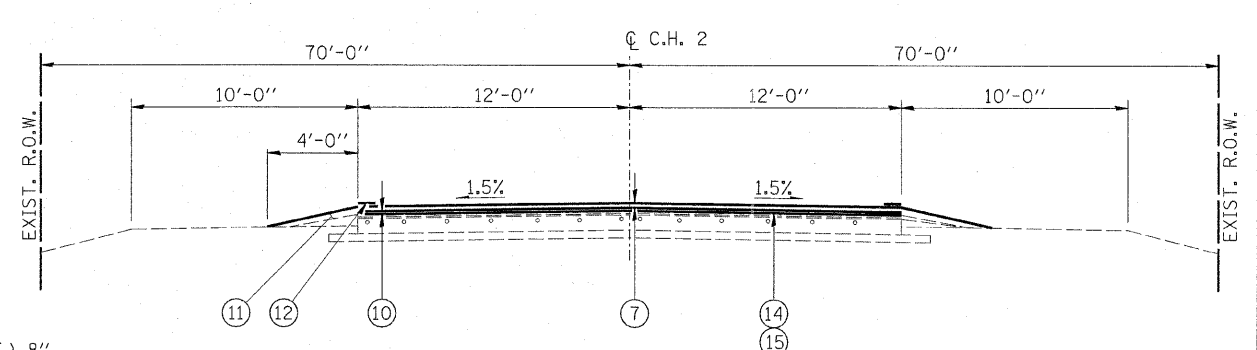


**PROPOSED TYPICAL CROSS SECTION**  
STA. 265+87.12 TO STA. 271+44.13

**DETAIL OF AGGREGATE SHOULDERS, TYPE B**



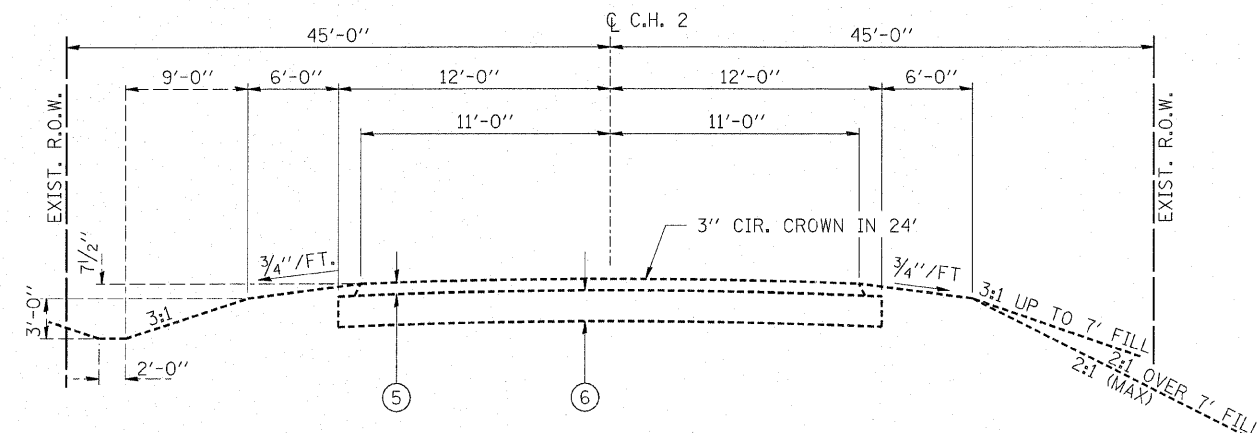
**EXISTING TYPICAL CROSS SECTION**  
STA. 271+44.13 TO STA. 272+77.00 BACK = 3+34.50 AHEAD



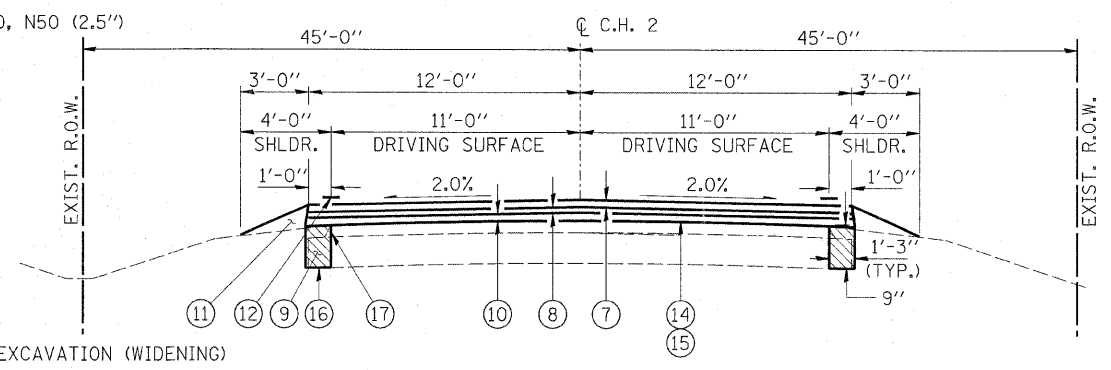
**PROPOSED TYPICAL CROSS SECTION**  
STA. 271+44.13 TO STA. 272+77.00 BACK = 3+34.50 AHEAD

**LEGEND**

- ① EXISTING H.M.A. PAVEMENT
- ② EXISTING PCC PAVEMENT (STD. REINF.) 8"
- ③ EXISTING H.M.A. STABILIZED SUB BASE 4"
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING ASPHALT CHIP SURFACE
- ⑥ EXISTING AGGREGATE BASE COURSE 8"
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1.5")
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.5")
- ⑨ AGGREGATE BASE COURSE, TYPE A, 9"
- ⑩ LEVELING BINDER (MACHINE METHOD), N50
- ⑪ AGGREGATE SHOULDERS TYPE B (SPECIAL)
- ⑫ PAINT PAVEMENT MARKING LINE 4"
- ⑬ INCIDENTAL HOT-MIX ASPHALT SURFACING
- ⑭ BITUMINOUS MATERIALS (PRIME COAT)
- ⑮ AGGREGATE (PRIME COAT)
- ⑯ EARTH EXCAVATION (WIDENING)
- ⑰ SAW JOINT (COST INCLUDED WITH EARTH EXCAVATION (WIDENING))



**EXISTING TYPICAL CROSS SECTION**  
STA. 3+34.50 TO STA. 74+05.10  
STA. 74+28.26 TO STA. 207+20.00



**PROPOSED TYPICAL CROSS SECTION**  
STA. 3+34.50 TO STA. 74+05.10  
STA. 74+28.26 TO STA. 207+20.00

PAVEMENT DESIGN	
C.H. 2 STA. 3+34.50 TO STA. 207+20.00	
DESIGN PERIOD: 20 YEARS	
STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 854 YEAR 2018	
P.V. = 91.1% S.U. = 7.6% M.U. = 1.30%	
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 8.06 OF THE BUREAU OF LOCAL ROADS AND STREETS MANUAL	
TRAFFIC FACTOR = 0.11	
SN <sub>0</sub> = 3.1	
SN <sub>1</sub> = 1.1	
1.5" HMA SURFACE a <sub>1</sub> = .6	
1.5" LEVELING BINDER a <sub>2</sub> = .6	
2.5" HMA BINDER a <sub>3</sub> = 0.83	

PAVEMENT DESIGN	
C.H. 2 STA. 265+87.12 TO STA. 271+44.13	
DESIGN PERIOD: 20 YEARS	
STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 854 YEAR 2018	
P.V. = 91.1% S.U. = 7.6% M.U. = 1.30%	
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 = 0.15	
SN <sub>0</sub> = 2.45	
SN <sub>1</sub> = 1.36	
1.5" HMA SURFACE a <sub>1</sub> = .6	
1.5" LEVELING BINDER a <sub>2</sub> = .6	

FORE SLOPES STEEPER THAN 3:1			
LT. STA.	50+00	TO LT. STA.	54+00
RT. STA.	66+00	TO RT. STA.	72+50
LT. STA.	66+00	TO LT. STA.	72+50
RT. STA.	75+00	TO RT. STA.	82+00
LT. STA.	75+00	TO LT. STA.	81+00
LT. STA.	103+00	TO LT. STA.	108+00
LT. STA.	200+00	TO LT. STA.	206+00
RT. STA.	200+00	TO RT. STA.	206+00

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

3085 STEVENSON DRIVE, SUITE 201  
SPRINGFIELD, ILLINOIS 62703  
(217) 548-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 03-75-0007-1 DATE: 02/11/08  
DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: W.J.S.

**TYPICAL SECTIONS**

**SECTION 95-00215-01-RS**

**FAS 495 C.H. 2**

**PIATT COUNTY**