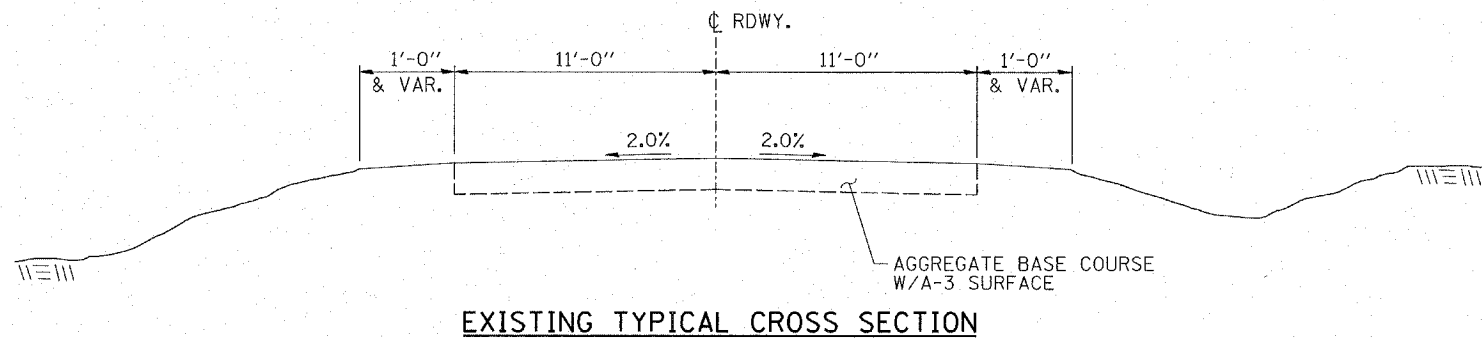


ROUTE NO.	SECTION	COUNTY	SHEETS
C.H. 5	85-00043-00-RS	DEWITT	79
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT-		CONTRACT No. 9131



EXISTING TYPICAL CROSS SECTION

PAVEMENT DESIGN DATA

MAJOR COLLECTOR
 DESIGN PERIOD: 20 YEARS
 STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 443 YEAR 2014
 P.V. = 95.2% S.U. = 4.5% M.U. = 0.3%
 CLASS III ROAD
 PERCENT OF S.D.T. IN DESIGN LANE P = 50 S = 50 M = 50
 80,000 POUND LOAD LIMIT
 TRAFFIC FACTOR T.F. = 0.03

PAVEMENT RESURFACING

MINIMUM SOIL SUPPORT: IBR
 STRUCTURAL NUMBER: D+
 PAVEMENT STRUCTURE:
 SURFACE COURSE TYPE:

MINIMUM PROPOSED PAVEMENT STRUCTURE PER RESULTS OF FALLING WEIGHT DEFLECTOMETER TEST

STA. 10+00 TO STA. 162+50
 STA. 207+50 TO STA. 276+19.67

1 1/2" BITUMINOUS SURFACE CSE.; a₁ = 0.40
 (1 1/4" MIN. DEPTH) LEVELING BINDER. a₁ = 0.40

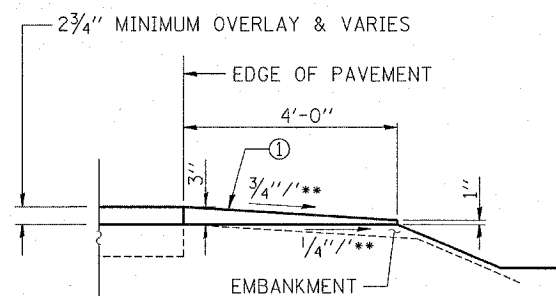
STA. 162+50 TO STA. 207+50

1 1/2" BITUMINOUS SURFACE CSE.; a₁ = 0.40
 (1 1/2" MIN. DEPTH) LEVELING BINDER. a₁ = 0.40

PAVEMENT RECONSTRUCTION

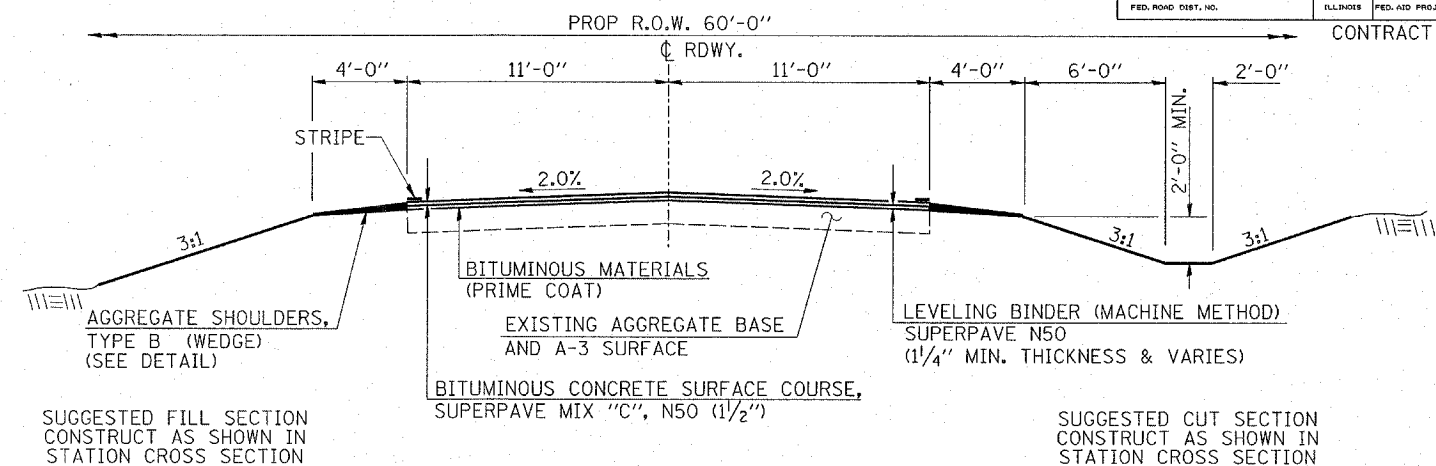
MINIMUM SOIL SUPPORT: IBR 2 ASSUMED
 STRUCTURAL NUMBER: D+ = 2.7
 PAVEMENT STRUCTURE:
 SURFACE COURSE TYPE:

1 1/2" BITUMINOUS SURFACE CSE.; a₁ = 0.40
 1 1/2" BITUMINOUS BINDER. a₁ = 0.40
 12" AGGREGATE BASE COURSE TYPE B; a₂ = 0.13



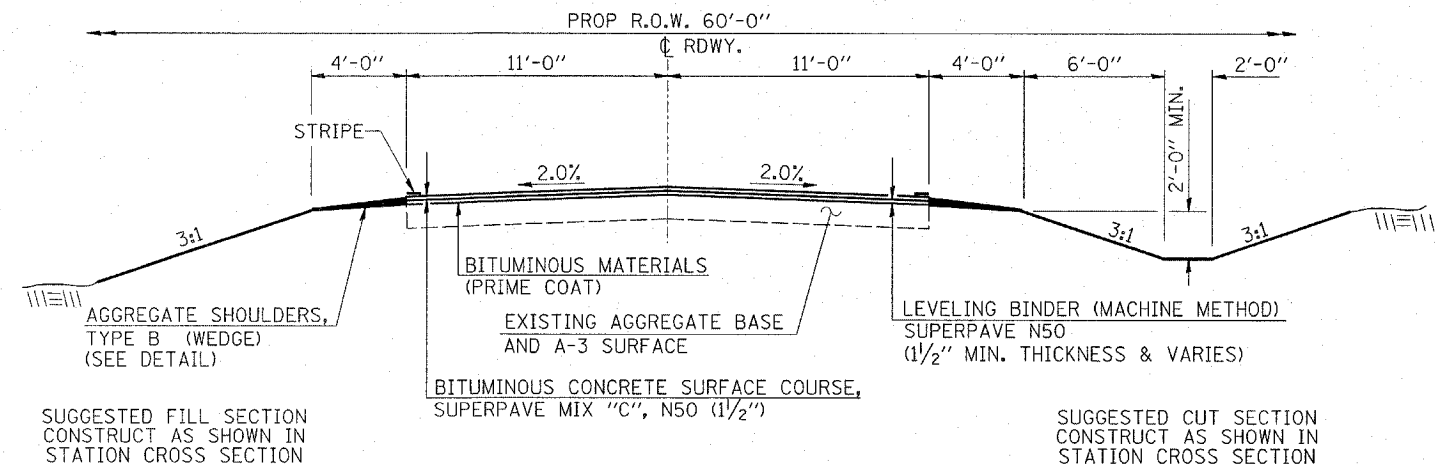
DETAIL OF AGGREGATE SHOULDERS

- ① AGGREGATE SHOULDERS, TYPE B
- ** ALGEBRAIC DIFFERENCE BETWEEN S.E. & SHOULDER SHALL NOT EXCEED 12%



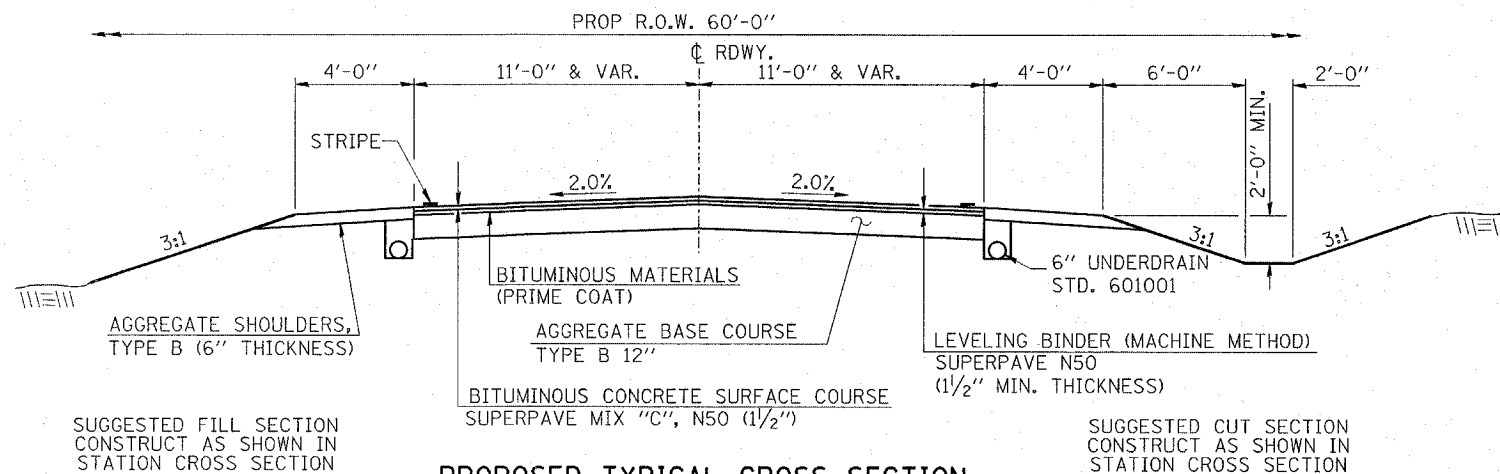
PROPOSED TYPICAL CROSS SECTION

STA. 10+09.52 TO STA. 162+30.00
 STA. 207+52.00 TO STA. 257+00.00
 STA. 268+50.00 TO STA. 274+46.92



PROPOSED TYPICAL CROSS SECTION

STA. 162+30.00 TO STA. 207+52.00



PROPOSED TYPICAL CROSS SECTION

STA. 257+00.00 TO STA. 268+50.00
 STA. 274+46.92 TO STA. 276+18.67

HLR
 Roe, Berry and Associates
 A Division of Hampton, Lenzini and Renwick, Inc.
 Civil & Structural Engineers
 3085 Stevenson Drive
 Suite 201
 Springfield, Illinois 62703
 217-546-3400
 P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637
 Account Number 03-29-0007-1
 Date: 08-20-03
 DESIGNED: L.F.S. CHECKED: DRAWN: P.K.

TYPICAL CROSS SECTIONS
 SECTION 85-00043-00-RS
 C.H. 5
 DEWITT COUNTY