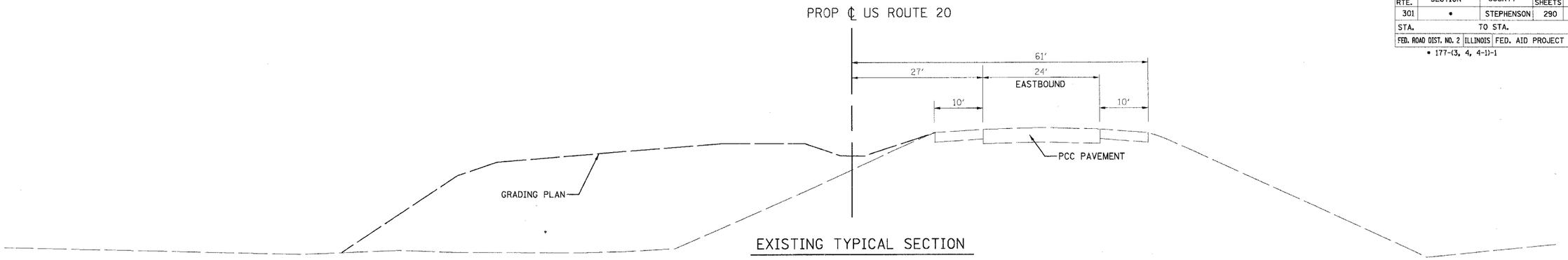
CONTRACT NO. 64577

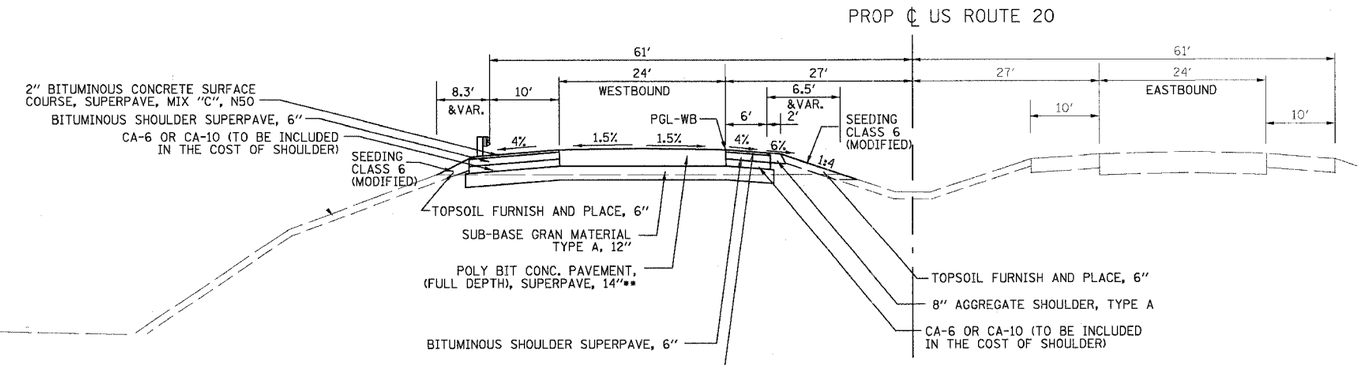
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	•	STEPHENSON	290	10
STA.	TO STA.			
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

• 177-(3, 4, 4-1)-1



EXISTING TYPICAL SECTION

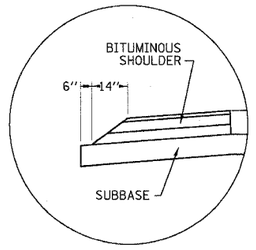
TANGENT SECTION



PROPOSED TYPICAL SECTION

STATION 1914+50.00 TO STATION 1927+00.00

GUARDRAIL STATION 1914+41.97 LT TO STATION 1917+04.47 LT



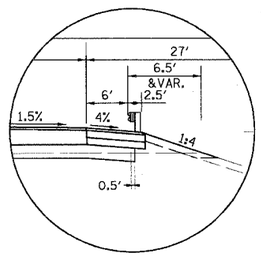
SUBBASE DETAIL UNDER BITUMINOUS SHOULDERS

NOTES:

1. THE CA-16 BACKFILL MATERIAL IN THE PIPE UNDERDRAIN TRENCH SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAIN AND PIPE UNDERDRAIN (SPECIAL)
2. STANDARD DITCH IS 3' DEEP.
3. FORESLOPE SHALL BREAK TO 1:3 WHEN IT EXTENDS MORE THAN 35' FROM PROPOSED EDGE OF PAVEMENT.
4. SEE CROSS SECTIONS FOR AREAS OF TOPSOIL EXCAVATION AND PLACEMENT.
5. IN AREAS OF ROCK CUT PLACE 12" OF TOPSOIL.
6. THE FOLLOWING UNIT WEIGHTS WERE USED IN CALCULATING THE BITUMINOUS QUANTITIES:
   112/LBS/SY/IN - SURFACE COURSE
   112/LBS/SY/IN - BINDER COURSE
   115/LBS/SY/IN - SUB-BASE GRANULAR MATERIAL

•• POLY BIT CONC. PAVEMENT, (FULL DEPTH), SUPERPAVE, 14" SHALL BE COMPOSED OF THE FOLLOWING TWO MIXES:

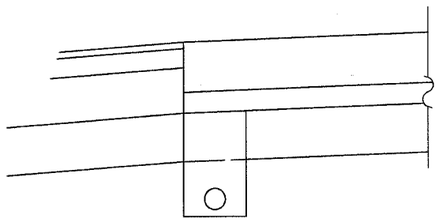
— 12" POLYMERIZED BITUMINOUS CONCRETE BINDER CSE, SUPERPAVE, IL-19, N90
— 2" POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90



PROPOSED TYPICAL SECTION

STATION 1914+50.00 TO STATION 1927+00.00

GUARDRAIL STATION 1914+41.97 RT TO STATION 1917+66.97 RT



PIPE UNDERDRAINS DETAIL

SEE STANDARD 601001, SUB-SURFACE DRAINS FOR DIMENSIONS

STATION 1914+50 TO STATION 1942+50 BOTH SIDES OF WB PAVEMENT
STATION 1942+50 TO STATION 1969+41 LEFT SIDE ONLY OF WB PAVEMENT
STATION 1969+41 TO STATION 1982+00 BOTH SIDES OF WB PAVEMENT
STATION 1964+60 TO STATION 1969+50 LEFT SIDE ONLY OF EB PAVEMENT

STRUCTURAL DESIGN INFORMATION (FLEXIBLE PAVEMENT)

DESIGN PERIOD: 20 YEARS

STRUCTURAL DESIGN TRAFFIC: YEAR 2024
PV = 7,795 SU = 325 MU = 1205

ROAD/STREET CLASSIFICATION: CLASS I

PERCENT OF STRUCTURAL TRAFFIC IN DESIGN LANE:
P = 32% S = 45% M = 45%

TRAFFIC FACTOR: TF = 7.11

MINIMUM SOIL SUPPORT:
IBR = 3.1 (STA. 1711+00 TO 1904+91.14)

REVISIONS	
NAME	DATE
PRE-FINAL	5/24/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS US ROUTE 20

SCALE: VERT. N/A
HORIZ. N/A
DATE 10/28/05

DRAWN BY DTF
CHECKED BY TVN

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