FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	235811-235(112)15	1959	5	39

K.F.B.I., Inc.
W½ S½ NW¼ Sec 28

Cline V. Eyestone
E½ Lot 2 - All Lot 5 &
E½ NW¼ Ex. Ry. & Hwy.
Sec 28 T26S R1E

¼ Sec. Line

Existing R/W & Access Control

Oil

Oil

Sta 477+84 S.B. @ Install
30" x 198' C.R.P.
2 End Sect. Rotate 25° 14' Rt.
124 Lt. 70 Rt.
D.A. = 15 Ac. Q = 21 c.f.s.
L.F. = 0.4 H.W. = 2.4'

For Shoulder Transition
Detail See Sheet No. 3

EXCEPTION
Sta. 477+70.12 To
Sta. 479+22.87 = 52.75'

Sta. 478+22.87
Br. No. 35W-87-25.44
Not A Part Of This Contract

Sta. 478+22.87 END
Proj 235-811-235-102)59

P.O.T. Sta. 478+46.61
(1) Iron Bar @ Intersection of Back Tan. Extended and ¼ Section Line.

Southbound Roadway

F.L. Elev. 1327.14

474.80' RM No. 129
12" 8"

107°50'

240.00 Tan.

11.56 Tan.

Ctr. Sec. 28

71°44'

18°25'

Ctr. Sec. 28

Sta. 477+54.36
Br. No. 35W-87-25.42
Not A Part Of This Contract

F.L. Outlet
1326.30

Sta 464+00 Const.
Type III Inlet 13.3' Rt 235 Lt. & Rt.
Install 15" x 60' C.R.P. (M.A.C.)
See Sheet No. 9 of 10

Northbound Roadway
Construction Limits

Existing R/W & Access Control

Shirley O. Eyestone
S 300 of W 611 of SW¼ NW¼
Ex. ROW Sec 28

Sta. 477+23 N.B. @ Install
30" x 198' C.R.P. 2 End Sect.
47' Lt. 131' Rt.
D.A. = 9 Ac. Q = 16 c.f.s.
L.F. = 0.4 H.W. = 2.0'

B.M. #165 Iron Bar
235' Rt. Sta. 476+80
Elev. 1326.90

Curve Data 235 Northbound
Δ = 13°-04'-29.46" Rt
D_c = 1°-30'-00"
L_s = 200'
L_c = 1004.99'
R_c = 3819.83
T_s = 707.62'
C_s = 49.46'
$\frac{1}{2}\theta_s$ = 1.75'
X_s = 199.99'
θ_s = 1°30'-00"
S.E. = 0.04 ft/ft

PI Sta 468+42.57
TS Sta 463+34.95
SC Sta 463+34.95
CS Sta 473+39.94
ST Sta 475+39.94

Curve Data 235 Southbound
Δ = 13°-07'-30.25"
D_c = 1°-30'-00"
L_s = 200'
R_c = 3819.83
T_s = 537.56
X_c = 199.99
$\frac{1}{2}\theta_c$ = 1.75'
θ_s = 1°30'-00"
TS = 472+29.78
SC = 474+29.78
PI = 477+67.34
PT = 482+04.78
S.E. = 0.04 ft/ft

TS Sta 472+29.78
SC Sta 474+29.78
PT Sta 482+04.78
FAI. 235 SB
441.36
Δ = 13°-07'-30.25"
Ref. Bar Sta 478+46.61
P = 0.44
537.56'
79.21'

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
CHECKED
(E.W.) (N.S.)
STRUCTURE NO. (IF APPLICABLE)

Toe Ditch Lt.
8' Sp. Ditch Rt.
P.C. = 00 Elev. 1335.56
P.T. = 76 Elev. 1336.91
+2.50%
1000' V.C.
900' V.C.
N.P.S.D. = 600'
+ 70.12 End Wearing Surface
-1.20%
Sta. 484+60
Elev. 1358.81
Gas Line
Existing Ground Line
Oil Lines
-0.10% Rt.
El. Rt. 25.21
Southbound Roadway Profile
F.L. El. Lt. 1323.70
F.L. El. Rt. 1323.90
P.I. = 60 Elev. 1357.97
-0.25%
No Ditch Lt.
8' Sp. Ditch Rt.
P.C. = 60 Elev. 1338.82
P.T. = 94 Elev. 1336.32
+2.50%
1000' V.C.
800' V.C.
N.P.S.D. = 675'
+ 88.76 End Wearing Surface
+ 87.19
F.L. Elev. Lt. 1324.10
F.L. Elev. Rt. 1324.20
-0.16% Rt.
Existing Ground Line
El. Rt. 26.30
Gas Line
Northbound Roadway Profile
Oil Lines
Sta. 457+60
Sta. 458+45.38

1330.62 1330.70 1331.48 1331.37 1332.1 1332.50 1333.38 1335.21 1336.56 1336.47 1338.97 1340.06 1341.67 1342.56 1343.97 1345.04 1347.56 1349.65 1351.74 1352.98 1353.71 1354.27 1355.48 1355.64 1355.92 1356.46 1355.96

Southbound Roadway Profile Grade
Northbound Roadway Profile Grade

465 6 7 8 9 410 1 2 3 4 475 6 7 8 9

1320 1330

* Exc. = 354,541 Cu. Yds. (C = 20%)
† Emb. = 295,451 Cu. Yds.
* Includes 382,872 Cu. Yds. Exc. from Borrow Area (N) on Proj. #30W-87-130W-(2)53
† Includes 7,190 Cu. Yds. Emb. for East Berm of U.S. 81 Bridge.
† Includes 4,200 Cu. Yds. Emb. For West Berm of St. L. & S.F. Ry Bridge S.B. Rdwy.
† Includes 3,380 Cu. Yds. Emb. For West Berm of St. L. & S.F. Ry Bridge N.B. Rdwy.

BRUNING NO. 501

PLATE I - PLAN - PROFILE OF P. A. & E.
MADE AND PRINTED BY THE C. S. BRUNING COMPANY, INC.