PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	235-87-I-235-1(14)43 Pt. I	1958	11	311

PLAN		BY	DATE
NOTE BOOK	SURVEYED	Monroe	11-57
	PLOTTED	Dutton	6-10-58
NO.	ALIGNMENT CHECKED	Harris	11-3-58
	RT. OF WAY CHECKED	Harris	11-10-58

PROFILE		BY	DATE
NOTE BOOK	SURVEYED	Monroe	11-57
	PLOTTED	Harris	3-7-58
	GRADES CHECKED	Harris	11-3-58
NO.	B. M.S NOTED	Rogers	9-10-58
	STRUCTURE NOTATNS CH'KD	Harris	11-10-58

℄ T.S. Sta. 67+37.84 RR Spike Black Top
35.30' N. Nail Tel. cable pole.
70.30' S. Nail Tel. cable pole.
57.70' W.S.W. Nail Power pole.
4.37' E. Toe Curb

℄ P.I. Sta. 77+92.12 Red Head R.R.
63.80' W. Nail in Top R/W Fc. Line
36.10' E. Nail in Top R/W Fc. Line
56.65' S.S.E. Nail in Top R/W Fc. Line

℄ S.T. Sta. 87+25.34 Iron Bar
60.55' S.S.W. Nail in Tel. Pole
37.20' W.N.W. Nail in 80" Mul. Tree
60.30' N.N.W. Nail in Top Fc. Post

℄ P.I. Sta. 77+92.12 Back =
Sta. 76+71.06 Ahead

P.O.T. Sta. 93+66.28 Iron Bar ℄ MacArthur
60.8' S.S.E. Nail in Tel. Pole
58.0' S.S.W. Nail in Tel. Pole
57.3' N.N.W. Nail in Power Pole

Sta. 91+10 220' Lt. Install
50' of Steel Plate Guard Fence
Terminal End Sections
See Sheet No. 52

Grading Contractor shall Complete all roadway Excavation and Embankment in the vicinity of the Bridge prior to the construction of piers and abutments.

Sta. 67+59.17 Const.
Br. No. 235-87-9.80
2-41'-72'-41' St. Gird S.P.
S.B. 40' N.B. 44' Roadway
See Sheet No. 68 thru 77

Sta. 78+45 Install
6.1"x316' C.R.P. (M.A.C.) 2 End Sect.
192' Lt. 124' Rt. Rotate 37° Lt.
D.A. = 30 Ac. Q = 26 c.f.s.
L.F. = 0.3 H.W. = 2.1

Sta. 79+32 Install
4.4"x330' C.R.P. (M.A.C.) 2 End Sect.
125' Lt. 205' Rt. Rotate 40° 30' Lt.
D.A. = 14 Ac. Q = 15 c.f.s.
L.F. = 0.3 H.W. = 1.7

Sta. 72+85
Const. Ditch Plug

Sta. 86+20
Const. Ditch Plug

F.L. Outlet
Elev. 1271.95

F.L. Outlet
El. 1272.95

F.L. Outlet
El. 1272.56

F.L. Outlet
El. 1274.20

Invert El.
1292.70

Invert El.
1288.00

Invert El.
1298.00

Invert El.
1292.12

SCHEDULE MEDIAN DRAINS THIS SHEET

Station	Direction	Type Inlet	Pipe Length	See Sheet No.
*68+00 S.B.	Lt.	I	168'	47 & 50
*73+00 S.B.	Lt.	I	186'	47 & 50
*86+00 S.B.	Lt.	I	131'	47 & 50
*92+50	Lt.	I	120'	47 & 50

* 18" Broken Back

BM # 101 Iron Bar
480.8' Lt.
Sta. 65+95.4 Elev. 1276.42

S.B. & N.B. CURVE DATA
Δ = 50° 37' 30" Rt.
D_c = 3° 00' 00"
L_s = 300.00'
L_c = 1387.50'
R_c = 1910.08'
T_s = 1054.28'
E_s = 205.04'
y_c = 7.85'
x_c = 299.81'
θ_s = 4° 30'
S.E. = 0.07'/ft.

S.B. Roadway
T.S. = 66+71.55
S.C. = 69+71.55
P.I. = 77+25.83
C.S. = 83+59.05
S.T. = 86+59.05

N.B. Roadway
T.S. = 68+94.10
S.C. = 71+94.10
P.I. = 79+48.38
C.S. = 85+81.60
S.T. = 88+81.60

℄ CURVE DATA
Δ = 50° 37' 30" Rt.
D_c = 3° 00' 00"
L_s = 300
L_c = 1387.50
R_c = 1910.08
T_s = 1054.28
E_s = 205.04
x_c = 299.81'
y_c = 7.85'
θ_s = 4° 30'
S.E. = 0.07'/ft.

Sta. 78+96.64 Const.
Br. No. 235-87-9.99 & 10.02
N.B. 54'-3½"-76'-1"-57'-5¼"
Cont. Pl. Gird. S.P.
S.B. 54'-10¼"-76'-11½"-58'-1¾"
Cont. Pl. Gird. S.P.
30' Roadway See Sh. 78 thru 93

NE¼ Sec. 17, T28S, R1E

BM # 102 Iron Bar
141' Rt. Sta. 92+75
Elev. 1276.08

EQUATION
℄ Sta. 87+97.74 Back =
℄ Sta. 87+98.15 Ahead =
N.B. Rdwy. Sta. 88+81.60 Bk. =
S.B. Rdwy. Sta. 88+03.85 Bk.

Large Trees to be Grubbed
Sta. 65+00 to Sta. 90+00 2-120"
1-90", 1-70", 2-60", 5-50", 13-40"
Trees to be grubbed are marked thus ⊗. Spare all trees not marked. Total 24

For Details of Mac Arthur Road Interchange See Sheet No. 27 thru 31

From Sta. 20+60.18
For Earthwork Quantities
See Sheet No. 10

* Exc. 326,557 Cu. Yds. (C - 20%)
† Emb. 272,131 Cu. Yds.
* Incl. 324,838 Cu. Yds. Exc. from sites furnished by the Contractor and approved as to location, material and depth of cut by the Engineer
† Incl. 3,173 Cu. Yds. Emb. for West Berm U.S. 81 Bridge
† Incl. 7,780 Cu. Yds. Emb. for East Berm C.R.I. & P. RR. Bridge

* Exc. 403,630 Cu. Yds. (C - 20%)
† Emb. 336,358 Cu. Yds.
* Incl. 399,539 Cu. Yds. Exc. from sites furnished by the Contractor and approved as to location, materials and depth of cut by the Engineer
† Incl. 8,171 Cu. Yds. Emb. for West Berm C.R.I. & P. R.R. Bridge
† Incl. 2,786 Cu. Yds. Emb. for South Berm MacArthur Rd. Bridge
† Incl. 102,285 Cu. Yds. Emb. for Ramps B & C of MacArthur Rd. Interchange

For Drainage See Sheet No. 29

Note:
Special Median Ditch Sta. 68+00 to Sta. 86+00 is Referenced to S.B. Rdy. Stationing. All Median Ditch Drainage Structures are Referenced to S.B. Rdy. Stationing.