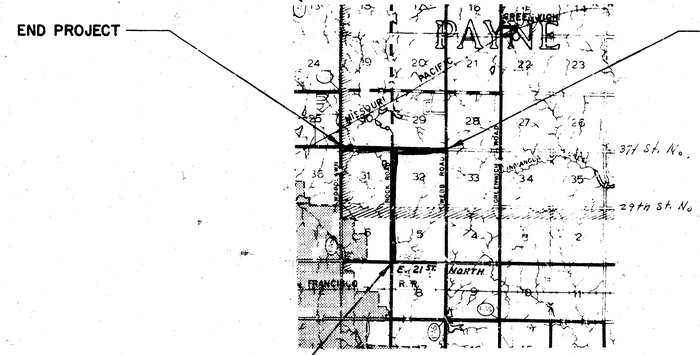
STATE | PROJECT NO | SHEET NO | TOTAL SHEETS
KANSAS

SEDGWICK COUNTY HIGHWAY DEPARTMENT

GRADING, CULVERTS &
SUBGRADE STABLIZATION,
SURFACING



NET LENGTH OF PROJECT	FT	MILES
NET LENGTH OF BRIDGES	FT	MILES
NET LENGTH OF ROAD	FT	MILES
EXCEPTIONS	FT	MILES
ADDITIONS	FT	MILES
TOTAL LENGTH OF PROJECT	FT	MILES

PLANS PREPARED BY
SEDGWICK COUNTY HIGHWAY DEPT.

APPROVED
DATE
COUNTY ENGINEER

APPROVED
DATE
CHAIRMAN
BOARD OF COUNTY COMMISSIONERS

PUBLIC ROAD DIVISION	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	831-L, M	1973	3	18

Sta. 0+00 - S.W. Cor. Sec. 5
Minneha Township
Trimble
39.0 S.E. to 3" in. cor. post
44.9 S.W. " "X" on steel cor. post
28.5 E. " line of H.L.P's-5
30.0 S. " " " fc. E.

Sec. 6, Twp 27S, R2E (Minneha)
Design Speed: 60 MPH
Traffic Count: 102 Vehicles Per Day

Sta. 26+52 W¼ Cor. Sec. 5
Minneha Township
Iron Pipe On ℄
78.6 W. SW. To 60" In. Fc. Post
13.0 S. To Line Of Fc. West

Plowed
R/W 50' From Sec. Line 2
R/W 50' From Sec. Line 1
Rock
Plowed
Sec. 5, Twp. 27S, R2E (Minneha)
Rd.
Posture
Plowed

BM#1 - RR Spike in H.L.P. 50 S.E. of Sec. Cor. S.W. Cor. 5-Minneha — Elev. = 1403.16

BM#2 - Bent 60 in ft. post 70' W of ¼ Corner W ¼ Cor. 5-Minneha — Elev. = 1408.61

Note: Alter grade as necessary to meet existing pavement at 1st Street

E.C. 1837.04 ft (1.30%)
E.T. 1903.04 ft

1200 V.C.
700 V.C.
1800 V.C.
900 V.C.

-0.538%
-0.524%
+0.733%
-0.521%
-0.667%

Existing ℄ Lt. = 1395.2
Rt. = 1395.7

Vertical Points

Sta 53+42.3 N.W. Cor. Sec. 5
Minneha Township
Iron
643 N.W. to 39 in. fc. post
41.3 S.W. " " cor.
62.1 W.S.W. " " fc.
858 N.E. " " fc.

2-18"x24' E.P.'s to be installed this area. Location to be determined by owners @ time of construction

Sec. 6, Twp 27S, R2E (Minneha)

Existing ℄ Lt. = 1397.0
Rt. = 1397.3

Sec. 5, Twp. 27S, R2E (Minneha)

Rock
RD

BM#3 - Bent 60 in stump 70' S.W. of Sec. Corner N.W. Cor. 5-Minneha — Elev. = 1401.00

PLATE 2, PLAN PROFILE
KEUFFEL & ESSER CO.

Road 831-M W.O. RC 323

PUBLIC ROAD DIVISION	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	831-L, M	1973	4	18

Sta 531+42.3 S.W. Cor. Sec. 32 Payne Township Iron
64.3' N.W. 10.3°± in ft. post
64.3' S.W. " " " "cor. "
62.1' N.E. " " " " "
88.8' N.E. " " " ft. "

Sec. 31, Twp. 26 S., R2E (Payne)

Design Speed: 60 M.P.H.
Traffic Count: 91 Vehicles Per Day

Sta. 79+95.2 W. ¼ Cor. Sec. 26 (Payne Township)
Iron Pin Over Stone -- 55.2' W. To 3" In Fc. Post
68.8 N.W. To P.L.M. -- In Line Of Fc. E.

+20 Install 24" X 24" E.P. Lt.

+28 Remove (℄) 24" C.M.P.
+29 Remove (℄) 24" C.M.P.
+72 Const. 20' Width Mound Ent. Lt.
+102 Install 24" X 24" E.P. Lt.
+43 Remove C.M.A.C. (Equalizer) Cross Culvert
+81 Install 24" X 24" E.P. Rt.
+15 U.S.G.S. Std. Tablet 35' Rt.
+18 Const. 18' Top 12:1 Slopes
+43+27.3 C.M.A.C. 24"-40' Rt. Extend 17' Lt. & Rt. Install Additional 43'-27.3' C.M.P. North Side

Wheat
Plowed
Rock Rd.
R.O.W. 30' From Sec. Line
Sec. 32, Twp. 26 S., R2E (Payne)
5-27S-R2E
Section Corner

B.M. #3 - Bent 60d in stump 70' S.W. of Section Corner N.W. Cor. 5-Minneola — Elev. = 1401.00

B.M. #4 - Bent 60d in hedge tree 150' W. of ¼ Corner W. ¼ Cor. 32-Payne — Elev. = 1390.89

Elev. 15,760 Cu. Yds (129%)
Emb. 12,257 Cu. Yds.

-0.52 1%
-0.06 7%
+0.51 7%
+0.66 7%
-0.51 7%
-0.65 7%

400' V.C.
1000' V.C.
1500' V.C.
600' V.C.

Existing ℄ Elev. = 1399.9
Existing ℄ Elev. = 1393.3
Existing ℄ Elev. = 1388.8
Existing ℄ Elev. = 1389.9
Existing ℄ Elev. = 1393.8
Existing ℄ Elev. = 1388.9
Existing ℄ Elev. = 1380.0

Subgrade Profile 2
Natural Ground
Spot Elev.
Ditch Elev.

+94 Install (Lt.) 24" X 24' E.P.
Remove 12" X 20' C.M.P.
+85 Remove (℄) 24" X 35' C.M.P.
+25 Install (℄) 2-36" X 42' C.R.P. D.A. = 3.1 C Ac. C = 0.8 IE Rt. = 1381.00 IE Lt. = 1380.50
+84 Install (℄) 2-36" X 42' C.R.P. Remove 43" X 27" X 32' C.M.A.C. D.A. = 39.2 Ac. C = 0.8 IE Rt. = 1381.00, IE Lt. = 1380.50
+85 Remove (℄) 29" X 18" X 32' C.M.A.C.
+79 Remove (℄) 29" X 18" X 32' C.M.A.C.
+13 Const. 20' Width Mound Ent.
102 Const. 20' Width Mound Entrance
Pasture
Pond
Rock
Wheat
R.O.W. 30' From Sec. Line
Sec. 32, Twp. 26 S., R2E (Payne)

Sta. 106+48.0 S.W. Cor. Sec. 29 Payne Twp. Stone (Iron over)
105.0' W-N.W. to 3"± in T.P.
48.0' E-N.E. " " " "
30.5' N. to line of T.P.'s - W.

B.M. #5 - 60d in T.P. 100' N.W. of Sec. Cor. S.W. Cor. 29-Payne — Elev. 1393.63

* Exc. 3801 Cu. Yds (+30%)
Emb. 2319 Cu. Yds
* Includes 786 Cu. Yds. To Be Wasted

Road # 831-L

K+E PLATE 2. PLAN-PROFILE KEUFFEL & ESSER CO.

P.O.T. - Sta. 0+00
SW Cor. Sec. 30 - T26S - R2E
Iron Pipe
63.5 N.W. to 3/4" in. fc. post
81.5 S.W. " " "
48.5 S.E. " " M.L.P.
43.3 N.E. " " T.P.

NOTE: (COUNTY)
Work To Be Done With County Funds & Forces.
Remove & Salvage Existing 3-19'X19'6" W.P.B.
Oil Stabilization Of 32,405 Sq.Yds. (Or 1.57 Mi. Of 28' Rdwy.)
Owner To Furnish Pipe

NOTE: (CONTRACTOR)

EARTHWORK			
Sta. To Sta.	Excavation Cu. Yds. Common	Embankment Type A MR-90	
8+00	15+00	40	2984
Channel Change		4770	
Total		4810	2984

DRAINAGE STRUCTURES			
Station	SIZE	TYPE	LENGTH
13+55	12'10"X8'4"	C.R.P.	240'

B.M. #1 - R.R. Spike in W. Face of 45" S.W. of Sec. 31 Payne Twp. Elev. 185.74

Delete Note

Sta. 0+35 Install: (2) 5'-10"X9'-4"X80' Multi-Plate Arch

Delete Note

Sec. 30, T26S, R2E (Payne)

+06.1 Tan. 241'

+30.4 Tan. 205.47'

CREEK

Temp. Esmt.

CHISOLM

50' R/W

+42 Tan.

Chisholm Creek Inc.

Delete Note

St No

+83 L103' K.G.E. from Mason Line 93 LF

Delete Note

50' R/W

+77 Tan. 30'

Temp. Esmt.

116 Tan.

50' R/W

+00 Tan. 30'

Delete Note

Delete Note

To Be Removed By County Funds & Forces

CHANNEL CHANGE DATA
P.I. Sta. South Of Sta. 44+60
Δ = 39°40'
D = 6°45'
T = 243.54'
L = 474.24'

Temp. Esmt.

+00 Tan. 270'

+17 Tan. 270'

Temp. Esmt.

#2235.5 Cu.Yds. Com. Exc. (-30%)
2984 Cu.Yds. Emb.

Includes 2984 Cu.Yds. From Channel Change
Channel Change Includes
4770 Cu.Yds. Com. Exc.

NOTE: Excess Excavation Shall Be ... At Engineer's Discretion

PLAN

PROFILE

Sec. 30 - T26S - R2E (Payne)

P.O.T. - Sta 22+68.15
S.E. Cor. Sec. 30 - T26S - R2E
Iron Pipe Cor.
52.3 S.E. to 3/4" in Witness Hedge
44.8 N.E. " fc cor.
31.7 N.W. " cor.
79.2 S.W. " M.L.P.

Existing

Jack P. DeBoer Assoc. Inc.

50' R/W

50' R/W

Delete Note

Jack P. DeBoer Assoc. Inc.

37 fn

ST, N/o,

P.O.T. - Sta 51+14.20
S.E. Cor. Sec. 30 - T26S - R2E
42.7 N.W. to 3/4" in cor. post
41.8 S.W. " " "
103.0 N.W. " " T.P.
98.6 S.W. " " "

50' R/W

B.M. #2: Bent 60# in fc post 100' S.E. of N.W. Cor. Sec. 32 - Payne Twp. Elev. 205.27

Sec. 31 - T26S - R2E (Payne)

B.M. #1: R.R. Spike in W. Face of S.W. of Sta. Cor. Sec. 31 Payne Twp. Elev. 185.74

K&E PLATE & FILM-RITE

Road 610-31

Sta. 51+14.20-SW. Cor. Sec. 29
Stone On ℄
10.5' W.N.W. To 3 NS In T.P.
14.8' E.N.E. To 3 NS In T.P.
5.7' N.W. To 3 NS In T.P.
5.8' N.E. To 3 NS In T.P.
58.2' S.E. To 3 NS In Cor. Post

Jack P. DeBoer Assoc. Inc.

Grass Waterway

50' R/W

Sec. 29, T26S, R2E (Payne Twp.)

Sta. 77+71.5 S. 1/4 Cor. Sec. 29
Stone On ℄
1' East To Line Of Fc. North
29.5' North To Line Of T.P. South
53.6' N.W. To 3 NS In T.P.
89.1' N.E. To 3 NS In T.P.
31.4' S. To 3 NS In Cor. Post
31.9' N. To 3 NS In Cor. Post

Kansas 610-31-32 : 1973

Delete Note

50' R/W

*Note: Owner To Furnish Pipe

Sta. 60+91 Remove ℄
2-50"X31"X32' C.M.A.C.
* Install 4-50"X31"X40' C.M.A.C. With Headwalls
* Includes: Exist. 2-50"X31"X32' C.M.A.C. Shall Be Reinstalled & Extended To 40' Length (See Detail On This Sheet)

37th ST. No

National Cash Register Co.

Sec. 32, T26S, R1E

BAR SIZE & LENGTH
h Bars #4 @ 26'-8"
V Bars #4 @ 5'-3"
d Bars #4 @ 3'-0"
d_1 Bars #4 @ 5'-0"
d_2 Bars #4 @ 5'-4"

B.M. #3 Bent 60d In Fc. Post 100' S.E. Of Sec. Cor (N.W. Cor. Sec. 32) -- Elev. 205.27

B.M. #4 Bent 60d In Fc. Post 100' N. Of 1/4 Cor S. 1/4 Sec. 29 (Payne Twp.) -- Elev. 225.23

HEADWALL DETAIL
Note: Reinforcing Steel To Be Included In Price Of Concrete.

PLAN

Road 831

Exist E El. 204.96
℄ Lt. 203.96

Exist E El. 204.0
℄ Lt. 203.9

℄ Rt. 203.35

PROFILE

Sec. 29, T26S, R2E

Delete Note

John Teben

Jack P. DeBoer Assoc. Inc.

Sec. 32, T26S, R1E

37TH ST. No

50' R/W

Sta. 10+16.30 SE. Cor. Sec. 29
Stone & Iron Pin On ℄
4.4' S.E. To Steel Cor. Post
47.3' S.W. To Steel Cor. Post
47.8' N.W. To R.R. Spike In H.L.P.
51.1' N.E. To 3 NS In Cor. Post
36.5' W. To Steel Fc. S.
11.0' S. To Steel Fc. W.

B.M. #5 R.R. Spike In H.L.P. 35' S.W. Of Sec. Cor. (N.E. Cor. Sec. 32 - Payne) -- Elev. 227.95

Exist E El. 202.2
Exist ℄ El. 202.2

℄ El. 233.4
E El. 233.4

℄ El. 233.4

Road # 610-32

K&E PLATE 2, PLAN-PROFILE
KEUFFEL & ESSER CO.