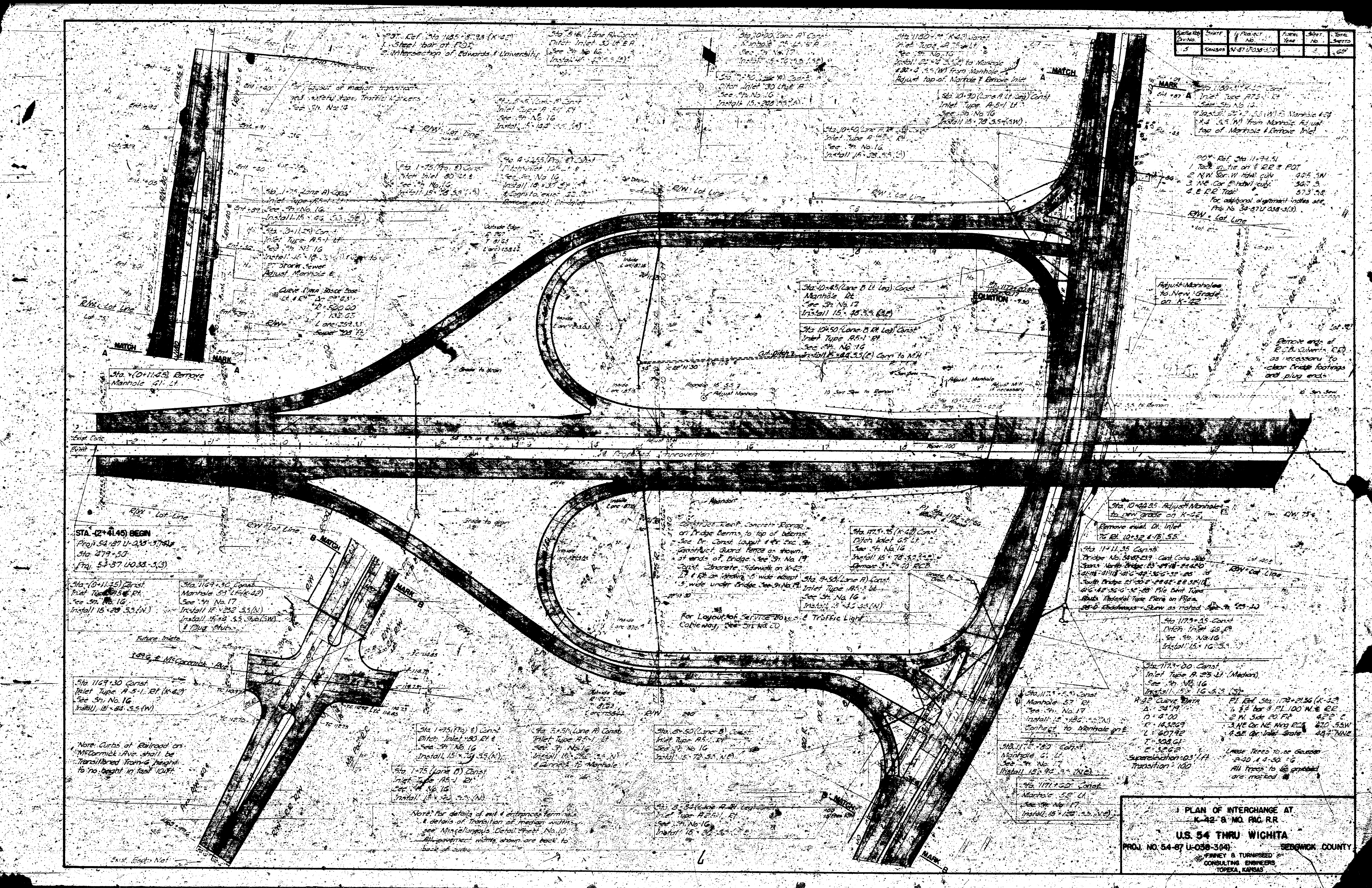


Fed. Rd. Div. No. 5 | State Kansas | Project No. 54-87 U-038-3(4) | Sheet No. 3 | Total Sheets 65
POT Ref. Sta. 1185+87.93 (K-42)
1. Steel bar at POT
2. Intersection of Edwards & University
Sta. 5+61 (Lane A) Const. Ditch Inlet 30 Lt. & A. See Sh. No. 16 Install 15 × 33 S.S. (E)
Sta. 10+90 (Lane A) Const. Manhole 25 Lt. & A. See Sh. No. 17 Install 15 × 76 S.S. (SE)
Sta. 1180+ (K-42) Const. Inlet Type A7.5-1 Lt. See Sh. No. 16 Install 21 × 4 S.S. to Manhole & 20 × 4 S.S. (W) from Manhole. Adjust top of Manhole & Remove Inlet
For Layout of median transitions and safety type Traffic Markers See Sh. No. 14
Sta. 10+90 (Lane A Lt. Leg) Const. Inlet Type A-5-1 Lt. See Sh. No. 16 Install 15 × 78 S.S. (SW)
Sta. 10+50 (Lane A Rt.) Const. Inlet Type A Rt. See Sh. No. 16 Install 15 × 28 S.S. (S)
R/W = Lot Line
Sta. 1+75 (Lane A) Const. Inlet Type A5-1 Lt. See Sh. No. 16 Install 15 × 46 S.S. (SE)
Sta. -(0+11.25) Const. Inlet Type A5-1 Lt. See Sh. No. 16 Install 15 × 18 S.S. & Conn. to 27" Storm Sewer. Adjust Manhole ℄
Curve Data Inside Edge Lt. & Rt. Δ = 29°43' R = 500.00 T = 132.63 L arc = 259.33 Super .08 '/Ft.
Sta. -(0+11.25) Remove Manhole 41 Lt.
Sta. 10+45 (Lane B Lt. Leg) Const. Manhole Rt. See Sh. No. 17 Install 15 × 48 S.S. (SE)
Sta. 10+50 (Lane B Rt. Leg) Const. Inlet Type A5-1 Rt. See Sh. No. 16 Install 15 × 48 S.S. (E) Conn. to M.H.
EQUATION
Adjust Manholes to New Grade on K-42
POT Ref. Sta. 11+94.51
1. Tack in tie on ℄ R.R. ℄ POT
2. N.W. Cor. W. Hdwl. culv. 44.5 SW
3. N.E. Cor. E. Hdwl. culv. 36.7 S
4. ℄ R.R. Track 57.3 SE
For additional alignment notes see Proj. No. 54-87 U-038-3(3).
Remove ends of R.C.B. Culverts R.R. as necessary to clear Bridge footings and plug ends.
℄ Proposed Improvement
STA. -(2+41.45) BEGIN Proj. 54-87 U-038-3(4) Sta. 479+50 Proj. 54-87 U-038-3(3)
Sta. -(0+11.25) Const. Inlet Type A5-1 Rt. See Sh. No. 16 Install 15 × 28 S.S. (N)
Sta. 1169+30 Const. Manhole 53 Lt. (K-42) See Sh. No. 17 Install 15 × 232 S.S. (N) Install 15 × 2 S.S. Stub (SW) & Plug Stub
Sta. 1169+30 Const. Inlet Type A-5-1 Rt. (K-42) See Sh. No. 16 Install 15 × 84 S.S. (W)
Note: Curbs at Railroad on McCormick Ave. shall be Transitioned from 6 height to no height in last 10 Ft.
Construct Reinf. Concrete Riprap on Bridge Berms to top of berms. See Br. Const. Layout & Br. Exc. Sh. Construct Guard Fence as shown at ends of Bridge. See Sh. No. 19. Const. Concrete Sidewalk on K-42 Lt. & Rt. as shown 5' wide except 3' wide under Bridge. See Sh. No. 19.
For Layout of Service Boxes & Traffic Light Cableway, See Sh. No. 20
Sta. 1173+35 (K-42) Const. Ditch Inlet 65 Lt. See Sh. No. 16 Install 15 × 78 S.S. Remove 3 × 3 × 20 RCB
Sta. 9+50 (Lane A) Const. Inlet Type A5-1 Lt. See Sh. No. 16 Install 15 × 46 S.S. (N)
Sta. 10+44.35 Adjust Manhole to new grade on K-42
Remove exist. Dt. Inlet 76 Rt. 10+32 & 15 S.S.
Sta. 11+11.35 Const. Bridge No. 54-87-239 Cont. Conc. Slab
Sta. 1173+35 Const. Ditch Inlet 68 Rt. See Sh. No. 16 Install 15 × 16 S.S.
Sta. 1173+00 Const. Inlet Type A 2.5 Lt. (Median) See Sh. No. 16 Install 15 × 16 S.S. (S)
Sta. 1+75 (Proj. ℄) Const. Ditch Inlet 80 Rt. ℄ See Sh. No. 16 Install 15 × 76 S.S. (N)
Sta. 5+51 (Lane A) Const. Inlet Type A5-1 Lt. See Sh. No. 16 Install 15 × 256 S.S. (N) & Connect to Manhole
Sta. 8+50 (Lane B) Const. Inlet Type A5-1 Rt. See Sh. No. 16 Install 15 × 72 S.S. (NE)
Sta. 1+75 (Lane B) Const. Inlet Type A5-1 Rt. See Sh. No. 16 Install 15 × 20 S.S. (N)
Note: For details of exit & entrance terminals & details of Transition of median widths see Miscellaneous Detail Sheet No. 10. All pavement widths shown are back to back of curbs.
Sta. 1172+ Const. Manhole 57 Rt. See Sh. No. 17 Install 15 × 186 S.S. (N) Connect to Manhole on ℄
Sta. 1172+80 Const. Manhole 6 Lt. See Sh. No. 17 Install 18 × 94 S.S. (NE)
Sta. 1171+50 Const. Manhole 58 Lt. See Sh. No. 17 Install 15 × 122 S.S. (NE)
K-42 Curve Data Δ = 24°19' D = 4°00' R = 1432.69 L = 607.92 T = 308.61 E = 32.62 Superelevation .03'/Ft. Transition 100
P.I. Ref. Sta. 1174+21.56 (K-42)
1. ¾ bar @ P.I. 100 N. ℄ R.R.
2. W. Side 20 Fir 42.2 E
3. NE Cor. NE Wing RCB 62.0 SSW
4. SE Cor. Inlet Grate 48.7 NNE
Large Trees to be Grubbed: 2-40 & 4-30 = 6. All trees to be grubbed are marked ■
MATCH A — MARK A — MATCH B — MARK B
PLAN OF INTERCHANGE AT K-42 & MO. PAC. R.R.
U.S. 54 THRU WICHITA
PROJ. NO. 54-87 U-038-3(4) SEDGWICK COUNTY
FINNEY & TURNIPSEED CONSULTING ENGINEERS TOPEKA, KANSAS