CURVE 1 DATA
DETOUR
P.I. STA. 2285+47.64
N = 449107.3526
E = 1576631.2312
R = 1145.916'
T = 125.498'
Δ = 12°30'00"
L = 250.000'
D = 5°00'00"
V = 45 MPH
S = NO SUPER

CURVE 2 DATA
DETOUR
P.I. STA. 2289+25.50
N = 449478.5388
E = 1576555.3722
R = 1145.916'
T = 125498'
Δ = 12°30'00"
L = 250.000'
D = 5°00'00"
V = 45 MPH
S = NO SUPER

REVISIONS

DESCRIPTION	DATE

2283+84.48, 24.4' RT. MAILBOX
2284+85.99, 63.8' LT. POWER POLE
2285+00
2286+78.17, 63.9' LT. POWER POLE
STA. 2288+35.00 CONST. 11" TEMP. ASPH. DR. W/ 24" CGMP SD
2288+58.42, 40.5' LT. 28"x18" COMPA REMOVE
STA. 2288+35.00 CONST. 15" ASPH. DR. W/ 28"X18" RCPA SD
2290+00
2286+78.17, 63.9' LT. POWER POLE
SECTION 9
T-20-N, R-20-W
+52 152' LT
PUE/TEMP DETOUR
STA. 2285+87.84 TO STA. 2305+21.08 CONST. 5W BARBED FENCE 1,939 LF
2292+77.33, 64.4' LT. POWER POLE
STA. 2293+77.41 TO STA. 2293+88.56 CONST. 5W BARBED FENCE 88 LF
GUARDRAIL END TREATMENT STA. 2294+01.77 22.3' LT
INSTALL 150 LF STD W-BEAM GUARDRAIL
STA. 2294+67.71 CONST. 12" TEMP. ASPH. DR. W/ 18" CGMP SD
2295+00
2294+59.84, 42.0' RT. 51"x31" RCB REMOVE
2295+77.93, 64.2' LT. POWER POLE
PRES. R/W
EXISTING BRIDGE
CL. STA. 2297+51.64
4-36' I-BEAM SPANS
TOTAL LENGTH= 145.01'
LOW BEAM ELEV.= 2038.24'
RDWY. OT ELEV.= 2041.99'
RDWY. OT STA.= 2299+41.89
INSTALL BRIDGE CONN-THRIE BEAM (31")
PUE/TEMP DETOUR
STA. 2299+00
DETOUR PC 2288+00.00
DETOUR PT 2290+50.00
TEMP. TOC/TOS
BM #202
DETOUR N00°56'58.45"E
DETOUR N71°33'01.56"W
DETOUR PC 2284+22.14
28"X18" RCP
28"X18" COMPA
NS-206 N00°56'13"E
℄ SURVEY N00°56'58.45"E
DETOUR PT 2286+72.14
STA. 2284+95.00
BEGIN INCIDENTAL CONST.
STA. 2290+50.00
END INCIDENTAL CONST.
BEGIN PROJECT
TOC/TOS
BM #203
+82.50 81.0' RT
+35.28 134.0' RT
SECTION 10
T-20-N, R-20-W
GUARDRAIL END TREATMENT STA. 2293+26.14, 22.3' RT
INSTALL 112.5 LF STD W-BEAM GUARDRAIL
GUARDRAIL TRAIL TURNDOWN (31")
STA. 2294+97.63 CONST. 12" ASPH. DR W/ 43"X26" RCPA SD
GUARDRAIL TRAIL TURNDOWN (31")
INSTALL 118.75 LF STD W-BEAM GUARDRAIL
INSTALL BRIDGE CONN-THRIE BEAM (31")
STA. 2289+45.86 TO STA. 2303+00.00 CONST. 5W BARBED FENCE 1,369 LF
INSTALL FAN IN FENCE
SOUTH PERSIMMON CREEK
0' 25' 50' 100'
STA. 2299+00

NOTE: ALL DISTANCES SHOWN TO RIGHT OF WAY, FENCES, UTILITIES, AND OTHER EXISTING OBJECTS ARE FROM C.L. OF SURVEY

ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE & SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION

SEE SHEET 6 FOR ALL DRAINAGE STRUCTURE INFORMATION

STA. 2284+95.00
BEGIN INCIDENTAL CONST.
-1.79%
DETOUR PVC 2289+75.00 ELEV = 2059.94
DETOUR PVI 2291+00.00 ELEV = 2057.70
L=250' K=67 DETOUR
DETOUR PVT 2292+25.00 ELEV = 2050.78
EXISTING BRIDGE
CL. STA. 2297+51.64
4-36' I-BEAM SPANS
TOTAL LENGTH= 145.01'
LOW BEAM ELEV.= 2038.24'
RDWY. OT ELEV.= 2041.99'
RDWY. OT STA.= 2299+41.89
PROPOSED BRIDGE
CL. STA. 2297+44.14
62'-75'-62' TYPE III PCB SPAN
TOTAL LENGTH= 200.50'
LOW BEAM ELEV.= 2041.42'
RDWY. OT ELEV.= 2046.25'
RDWY. OT STA.= 2296+07.92
STA. 2296+43.89 BEGIN BRIDGE "A"
200.50' BRIDGE LENGTH
STA. 2298+44.39 END BRIDGE "A"
BENCHMARK #201
STA. 2284+00.05 34.39' RT
CUT "X" IN DRG. STR HEADWALL
ELEVATION = 2069.72
BENCHMARK #202
STA. 2288+08.78 64.59' LT
SET RAILROAD SPIKE IN CORNER POST
ELEVATION = 2062.19
BENCHMARK #203
STA. 2294+71.23 39.70' RT.
CUT "X" IN DRG. STR. HEADWALL
ELEVATION = 2043.12
EXIST GRADE @ ℄ SURVEY
2.71%
PVC 2291+69.39 ELEV = 2053.19
DETOUR PVC 2292+33.43 ELEV = 2050.32
STA. 2290+50.00
END INCIDENTAL CONST.
BEGIN PROJECT
L=520' K=162
L=440' K=80 DETOUR
FINISHED GRADE @ DETOUR
FINISHED GRADE @ CRL
LOW POINT 2296+07.92 ELEV = 2046.25
PVI 2296+89.39 ELEV = 2046.45
0.50%
PVI 2296+73.43 ELEV = 2038.15
DETOUR PVC 2298+78.02 ELEV = 2038.15
SP. DITCH LT FL=2047.51
SP. DITCH LT FL=2044.52
SP. DITCH RT FL=2043.70
PVI 2294+29.39 ELEV = 2045.14
SP. DITCH LT FL=2040.58
DETOUR PVI 2294+53.43 ELEV = 2038.15
SP. DITCH RT FL=2039.60
SP. DITCH LT FL=2040.58
SP. DITCH LT FL=2030.46
SP. DITCH LT FL=2029.73
SP. DITCH LT FL=2031.33
0.00%

HYDRAULIC DATA	
DRAINAGE AREA = 37.77 SQ. MI.	
CONTROLLED DRAINAGE AREA = 0 SQ. MI.	
EFFECTIVE DRAINAGE AREA = 37.77 SQ. MI.	
Q2 = 1,050 CFS	Q25 = 6,730 CFS
CHW2 = 2,034.22 FT	CHW25 = 2,038.48 FT
V2 = 5.12 FPS	V25 = 9.92 FPS
Q5 = 2,510 CFS	Q50 = 9,070 CFS
CHW5 = 2,035.56 FT	CHW50 = 2,039.96 FT
V5 = 5.63 FPS	V50 = 10.87 FPS
Q10 = 4,060 CFS	Q100 = 11,600 CFS
CHW10 = 2,036.68 FT	CHW100 = 2,041.40 FT
V10 = 7.80 FPS	V100 = 11.74 FPS
SCOUR (100 YR)	SCOUR (500 YR)
CONTRACTION = 21.10'	CONTRACTION = 32.55'
PIER = 10.86'	PIER = 11.61'
TOTAL = 31.96'	TOTAL = 44.16'

UTILITY OWNERS CONTACT INFORMATION		
OWNERS	ADDRESS	PHONE
NORTHWESTERN ELECTRIC COOPERATIVE, INC.	2925 WILLIAMS AVENUE WOODWARD, OK 73801	JOHN KIRKWOOD 580-256-7425
OGE CORP	P.O. BOX 321 OKLAHOMA CITY, OK 73101-0321	STEPHEN ECHARD 405-553-0902
PIONEER COMMUNICATIONS	205 E. ROBBERTS KINGFISHER, OK 73750	BLAKE CALLAHAN 405-375-0255

2060 2050 2040 2030 2020
DET. 2066.66 DET. 2064.86 DET. 2063.07 DET. 2061.28 DET. 2059.44 +50 2055.43 DET. 2056.53 2054.08 DET. 2052.12 2051.39 DET. 2046.91 2049.18 DET. 2042.85 2047.58 DET. 2040.04 2046.61 DET. 2038.49 2046.25 DET. 2038.15 2046.50 DET. 2038.15 2047.01 DET. 2038.18 2047.51
2284+00 2285+00 2286+00 2287+00 2288+00 2289+00 2290+00 2291+00 2292+00 2293+00 2294+00 2295+00 2296+00 2297+00