

HORIZONTAL & VERTICAL CONTROL

PROPOSED STREAM BASELINE

Chain PSTREAM contains:
60001 60002 CUR 60200 CUR 60210 CUR 60220 CUR 60230 CUR 60240 CUR 60250 60003

Beginning chain PSTREAM description

Point 60001 N 1,887,759.28 E 2,486,816.01 Sta 10+00.0000

Course from 60001 to 60002 136° 14' 18.3605" Dist 33.97'

Point 60002 N 1,887,734.75 E 2,486,839.51 Sta 10+33.9705

Course from 60002 to PC 60200 108° 14' 31.1825" Dist 99.75'

Curve Data

Curve 60200
P.I. Station 11+62.5058 N 1,887,694.51 E 2,486,961.59
Delta = 48° 14' 22.4514" (RT)
Degree = 89° 07' 50.2299"
Tangent = 28.78'
Length = 54.12'
Radius = 64.28'
External = 6.15'
Long Chord = 52.54'
Mid. Ord. = 5.61'
P.C. Station 11+33.7240 N 1,887,703.52 E 2,486,934.25
P.T. Station 11+87.8463 N 1,887,668.12 E 2,486,973.07
C.C. N 1,887,642.47 E 2,486,914.13

Course from PT 60200 to PC 60210 156° 28' 47.1619" Dist 35.02'

Curve Data

Curve 60210
P.I. Station 12+50.8009 N 1,887,610.40 E 2,486,998.19
Delta = 61° 50' 07.1582" (LT)
Degree = 122° 49' 42.3848"
Tangent = 27.94'
Length = 50.34'
Radius = 46.65'
External = 7.73'
Long Chord = 47.93'
Mid. Ord. = 6.63'
P.C. Station 12+22.8637 N 1,887,636.01 E 2,486,987.04
P.T. Station 12+73.2065 N 1,887,608.13 E 2,487,026.04
C.C. N 1,887,654.63 E 2,487,029.82

Course from PT 60210 to PC 60220 94° 38' 42.9249" Dist 30.09'

Curve Data

Curve 60220
P.I. Station 13+50.1145 N 1,887,601.91 E 2,487,102.69
Delta = 24° 23' 37.1796" (LT)
Degree = 26° 27' 10.4616"
Tangent = 46.82'
Length = 92.22'
Radius = 216.60'
External = 5.00'
Long Chord = 91.52'
Mid. Ord. = 4.89'
P.C. Station 13+03.2975 N 1,887,605.70 E 2,487,056.03
P.T. Station 13+95.5129 N 1,887,617.72 E 2,487,146.76
C.C. N 1,887,821.58 E 2,487,073.57

Course from PT 60220 to PC 60230 72° 19' 24.2591" Dist 317.87'

Curve Data

Curve 60230
P.I. Station 18+16.2570 N 1,887,740.83 E 2,487,549.00
Delta = 15° 58' 25.2534" (RT)
Degree = 7° 48' 52.3115"
Tangent = 102.87'
Length = 204.41'
Radius = 733.20'
External = 7.18'
Long Chord = 203.75'
Mid. Ord. = 7.11'
P.C. Station 17+13.3848 N 1,887,714.24 E 2,487,449.62
P.T. Station 19+17.7948 N 1,887,739.05 E 2,487,651.85
C.C. N 1,887,005.97 E 2,487,639.14

Course from PT 60230 to PC 60240 90° 59' 37.0744" Dist 143.60'

Curve Data

Curve 60240
P.I. Station 20+90.5628 N 1,887,736.06 E 2,487,824.60
Delta = 7° 31' 19.4621" (LT)
Degree = 12° 54' 44.3247"
Tangent = 29.17'
Length = 58.26'
Radius = 443.73'
External = 0.96'
Long Chord = 58.21'
Mid. Ord. = 0.96'
P.C. Station 20+61.3934 N 1,887,736.56 E 2,487,795.43
P.T. Station 21+19.6484 N 1,887,739.37 E 2,487,853.58
C.C. N 1,888,180.22 E 2,487,803.13

Course from PT 60240 to PC 60250 93° 33' 20.7598" Dist 14.11'

Curve Data

Curve 60250
P.I. Station 21+53.7552 N 1,887,737.26 E 2,487,887.62
Delta = 18° 59' 04.5067" (RT)
Degree = 47° 54' 07.7939"
Tangent = 20.00'
Length = 39.63'
Radius = 119.61'
External = 1.66'
Long Chord = 39.45'
Mid. Ord. = 1.64'
P.C. Station 21+33.7559 N 1,887,738.50 E 2,487,867.66
P.T. Station 21+73.3879 N 1,887,729.59 E 2,487,906.09
C.C. N 1,887,619.12 E 2,487,860.24

Course from PT 60250 to 60003 112° 32' 26.6592" Dist 50.07'

Point 60003 N 1,887,710.39 E 2,487,952.34 Sta 22+23.4623

Ending chain PSTREAM description

STONEY POINT RD

Chain STONEY_PT contains:
30 29

Beginning chain STONEY_PT description

Point 30 N 1,888,697.9927 E 2,487,722.8987 Sta 30+00.0000

Course from 30 to 29 89° 32' 58.0000" Dist 1,873.5682'

Point 29 N 1,888,712.7257 E 2,489,596.4090 Sta 48+73.5682

Ending chain STONEY_PT description

RIVER ST. EAST

Chain RIVER_ST_E contains:
16 17 19 CUR 1340 28

Beginning chain RIVER_ST_E description

Point 16 N 1,887,027.6020 E 2,484,993.4375 Sta 34+96.5499

Course from 16 to 17 78° 39' 41.4802" Dist 38.1092'

Point 17 N 1,887,035.0944 E 2,485,030.8029 Sta 35+34.6591

Course from 17 to 19 78° 22' 27.2481" Dist 536.6233'

Point 19 N 1,887,143.2339 E 2,485,556.4172 Sta 40+71.2824

Course from 19 to PC 1340 77° 41' 11.7477" Dist 48.4786'

Curve Data

Curve 1340
Feature: 111
P.I. Station 41+46.1781 N 1,887,159.2061 E 2,485,629.5900
Delta = 3° 33' 36.7718" (LT)
Degree = 6° 44' 26.2936"
Tangent = 26.4171'
Length = 52.8172'
Radius = 850.0054'
External = 0.4104'
Long Chord = 52.8087'
Mid. Ord. = 0.4102'
P.C. Station 41+19.7610 N 1,887,153.5724 E 2,485,603.7806
P.T. Station 41+72.5782 N 1,887,166.4316 E 2,485,654.9997
C.C. N 1,887,984.0240 E 2,485,422.5094

Course from PT 1340 to 28 73° 38' 56.9600" Dist 827.4219'

Point 28 N 1,887,399.3660 E 2,486,448.9572 Sta 50+00.0000

Ending chain RIVER_ST_E description

FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL SHEETS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\p\dot\ankneyde\d0130575\0212807-shr-ATB.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	LEE	25	11
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 64D77								
PLOT DATE = Tue Dec 06 14:59:59 2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								