

6-11

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

151

CUYAHOGA COUNTY
CUY-71-15.06

CURVE No 1
 $\Delta = 71^{\circ}04'01''$ LT.
 $\Delta c = 15^{\circ}14'41''$ LT.
 $D = 24^{\circ}54'40''$
 $R = 230.00'$
 $L = 61.20'$
 $T = 30.78'$
 $E = 2.05'$

SPIRAL No 1
 $L_s = 200.00'$
 $\theta = 24^{\circ}54'40''$
 $P = 7.20'$
 $K = 99.37'$
 $LT = 134.68'$
 $ST = 67.69'$
 $Ts(Ord) = 271.12'$
 $Ts(Cbk) = 243.84'$
 $K = 99.37'$

CURVE No 2
 $\Delta c = 21^{\circ}08'59''$ LT.
 $D = 06^{\circ}00'00''$
 $R = 954.93'$
 $L = 352.50'$
 $T = 178.28'$
 $E = 16.50'$

SPIRAL No 2
 $L_s = 200.00'$
 $(\Delta_1 + \Delta_2) = 30^{\circ}54'40''$
 $P = 5.48'$
 $LT = 123.06'$
 $ST = 81.93'$

CURVE No 3
 $PI STA 251+91.57$
 $\Delta = 11^{\circ}57'00''$ LT.
 $D = 12^{\circ}00'00''$
 $R = 477.47'$
 $L = 99.58'$
 $T = 49.97'$
 $E = 2.61'$

REF. NO.	STATION TO STATION	SIDE	B-19 8" GUARD AGGREGATE RAIL BASE ST. BEAM COURSE (DEEP)	I-15 30DDING DUMPED ROCK CHANNEL PROT.	L-10 30DDING DUMPED ROCK CHANNEL PROT.	I-10 30DDING DUMPED ROCK CHANNEL PROT.
1-P	10+00 ~ 23+50	E	644			
1-G	10+00 ~ 12+05	LT		325		
2-G	12+05 ~ 23+40	LT		1050		
3-G	15+00 ~ 17+00	LT		200		
1-D	17+00 ~ 23+50	RT			399	
2-D	17+00 ~ 17+05	RT				128
3-D	16+50 ~ 19+00	RT				13
4-D	23+15 ~ 23+50	LT				18
TOTAL			644	1575	399	159

BENCH MARK
 R.R. SPIKE IN ROOT OF 12" ASH
 2' LT. STA. 9+65 E. W. 58th ST.
 EXTENSION. ELEVATION = 655.39

NOTE:
 THIS AREA IS DESIGNATED AS AVAILABLE
 WASTE AREA FOR SUITABLE EMBANKMENT.
 THE CONTRACTOR MUST RECEIVE APPROVAL
 FROM MR. HAROLD LAUSCHE, DIRECTOR OF
 PUBLIC PROPERTIES, CITY OF CLEVELAND
 BEFORE PLACING EXCESS EXCAVATION

BENCH MARK
 R.R. SPIKE IN ROOT OF TWIN 12" MAPLE
 24' LT. STA. 12+60 W. 58th ST. EXTENSION
 ELEVATION = 671.06

BENCH MARK No 107
 R.R. SPIKE IN # 28111 M.E.L.P.
 13' LT. ROT. STA. 7+58 E. SURVEY
 EXISTING W. 58th ST.
 ELEVATION = 732.85

BENCH MARK No 108
 R.R. SPIKE IN # 69248 13' LT.
 ROT. STA. 11+34 E. SURVEY
 EXISTING W. 58th ST.
 ELEVATION = 721.59

Tack in PP
 #30543 M.E.L.P.
 PK = 15+00
 W. 58th ST.

Tack in PP
 #28111 M.E.L.P.
 Hub 1's
 of F.H.
 21.77'
 MON. STA. 7+05.55 W. 58th ST.

MATCHLINE SEE SHEET No 35