CUYAHOGA COUNTY
MED-42-26.17
CUY-42-0.00

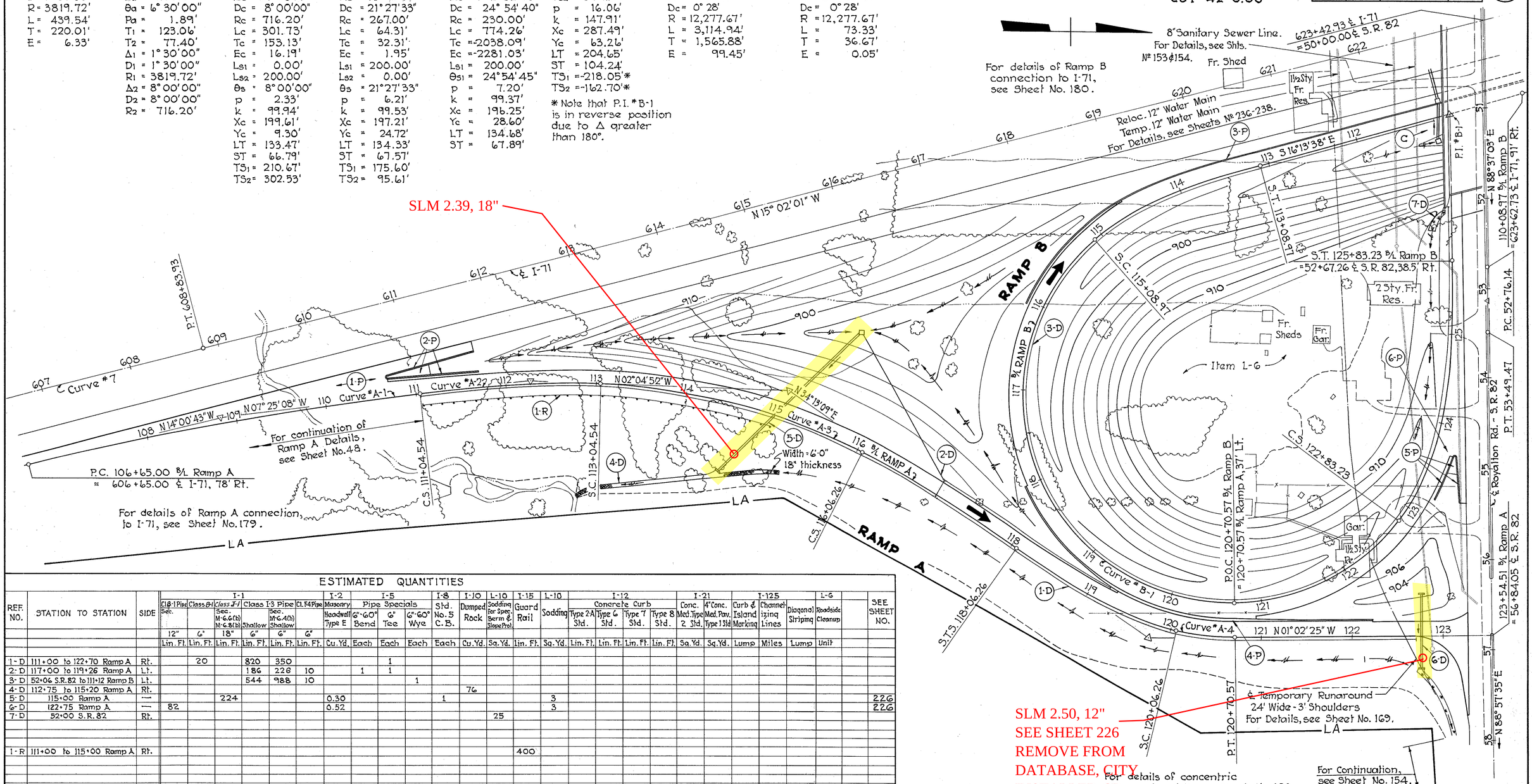
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	I-71-5(15)233	

171
302

CURVE #A-1	CURVE #A-2	CURVE #A-3	CURVE #A-4
Δ = 6° 35' 35"	Δ = 9° 30' 00"	Δ = 32° 08' 17"	Δ = 35° 15' 34"
D = 1° 30' 00"	La = 200.00'	Δc = 24° 08' 17"	Δc = 13° 48' 01"
R = 3819.72'	θa = 6° 30' 00"	Dc = 8° 00' 00"	Dc = 21° 27' 33"
L = 439.54'	Pa = 1.89'	Rc = 716.20'	Rc = 267.00'
T = 220.01'	T1 = 123.06'	Lc = 301.73'	Lc = 64.31'
E = 6.33'	T2 = 77.40'	Tc = 153.13'	Tc = 32.31'
	Δ1 = 1° 30' 00"	Ec = 16.19'	Ec = 1.95'
	D1 = 1° 30' 00"	Ls1 = 0.00'	Ls1 = 200.00'
	R1 = 3819.72'	Ls2 = 200.00'	Ls2 = 0.00'
	Δ2 = 8° 00' 00"	θs = 8° 00' 00"	θs = 21° 27' 33"
	D2 = 8° 00' 00"	p = 2.33'	p = 6.21'
	R2 = 716.20'	k = 99.94'	k = 99.53'
		Xc = 199.61'	Xc = 197.21'
		Yc = 9.30'	Yc = 24.72'
		LT = 133.47'	LT = 134.33'
		ST = 66.79'	ST = 67.57'
		TS1 = 210.67'	TS1 = 175.60'
		TS2 = 302.53'	TS2 = 95.61'

CURVE #B-1	CURVE #7	℄ S.R. 82
Δ = 255° 09' 19"	P.I. Sta. 593+34.87	P.I. Sta. 53+12.80
Δc = 192° 52' 38"	Δ = 14° 32' 11"	Δ = 00° 20' 32"
Dc = 24° 54' 40"	Dc = 0° 28'	Dc = 0° 28'
Rc = 230.00'	R = 12,277.67'	R = 12,277.67'
Lc = 774.26'	L = 3,114.94'	L = 73.33'
Tc = -2038.09'	T = 1,565.88'	T = 36.67'
Ec = -2281.03'	E = 99.45'	E = 0.05'
Ls1 = 200.00'		
Ls2 = 0.00'		
θs1 = 24° 54' 45"		
p = 7.20'		
k = 99.37'		
Xc = 196.25'		
Yc = 28.60'		
LT = 134.68'		
ST = 67.89'		
Ls2 = 300.00'		
θs2 = 37° 22' 01"		
p = 16.06'		
k = 147.91'		
Xc = 287.49'		
Yc = 63.26'		
LT = 204.65'		
ST = 104.24'		
TS1 = -218.05'*		
TS2 = -162.70'*		

* Note that P.I. #B-1 is in reverse position due to Δ greater than 180°.



ESTIMATED QUANTITIES

REF. NO.	STATION TO STATION	SIDE	I-1 Cl.B-1 Pipe Sec. 12" Lin. Ft.	I-1 Class B-1 6" Lin. Ft.	I-1 Class J-1 Sec. M-6.6(b) M-6.8(b) 18" Lin. Ft.	I-1 Class I-3 Pipe Shallow 6" Lin. Ft.	I-1 Class I-3 Pipe Sec. M-6.4(b) Shallow 6" Lin. Ft.	I-1 Cl. F4 Pipe 6" Lin. Ft.	I-2 Masonry Headwall Type E Cu. Yd.	I-5 Pipe Specials 6"-60° Bend Each	I-5 Pipe Specials 6" Tee Each	I-5 Pipe Specials 6"-60° Wye Each	I-8 Std. No. 5 C.B. Each	I-10 Dumped Rock Cu. Yd.	I-10 Sodding for Spec. Berm & Slope Prot. Sq. Yd.	I-15 Guard Rail Lin. Ft.	I-10 Sodding Sq. Yd.	I-12 Concrete Curb Type 2-A Std. Lin. Ft.	I-12 Concrete Curb Type 6 Std. Lin. Ft.	I-12 Concrete Curb Type 7 Std. Lin. Ft.	I-12 Concrete Curb Type 8 Std. Lin. Ft.	I-21 Conc. Med. Type 2 Std. Sq. Yd.	I-21 4" Conc. Med. Pav. Type 1 Std. Sq. Yd.	I-125 Curb & Island Marking Lump	I-125 Channelizing Lines Miles	I-125 Diagonal Striping Lump	I-6 Roadside Cleanup Unit	SEE SHEET NO.
1-D	111+00 to 122+70 Ramp A	Rt.		20		820	350				1																	
2-D	117+00 to 119+26 Ramp A	Lt.				186	226	10		1	1																	
3-D	52+06 S.R.82 to 111+12 Ramp B	Lt.				544	988	10				1																
4-D	112+75 to 115+20 Ramp A	Rt.												76														
5-D	115+00 Ramp A	—			224				0.30				1				3											226
6-D	122+75 Ramp A	—	82						0.52								3											226
7-D	52+00 S.R. 82	Rt.													25													
1-R	111+00 to 115+00 Ramp A	Rt.														400												
1-P																									0.11	Lump		
2-P	610+68 to 611+70	Rt.																105.5	100				36.5	Lump				
3-P	110+09 to 116+00 Ramp B	Lt.																		132	581			Lump				
4-P	118+00 Ramp B to 122+25 Ramp A	—																152				95						
5-P	123+20 to 123+70 Ramp B	Rt.																55.5	50				15	Lump				
6-P																									0.04	Lump		
	Ramp B																										55	
	TOTALS		82	20	224	1,364	1,564	20	0.82	1	2	1	1	76	25	400	6	313.0	150	132	581	95	51.5	LUMP	0.15	LUMP	55	

S.R. 82 INTERCHANGE - PLAN - RAMPS A & B