FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	5-A(4)	1940.

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64

LAKE COUNTY.
S.H. 2 SEC. Q (PT.)

TREE PROTECTION

STATION	SIDE	SIZE	KIND.	RIP-RAP WALLS							RIP-RAP WELLS & AERATION.									PRUNING. EXIST. TREES.					TAPER GRADE AT TREE ETC.
				STATION		MAIN WALL AVG. HT. FEET.	FEET FROM ℄	RETURNS		SQ. YDS.	WELLS			AERATION						PAY SIZE					
				FROM	TO			AVG. HT.	LENGTH.		DIA.	AVG. HGHT.	SQ. YDS.	INCHES AVG. DEPTH	HALF CIRCLE DIA.	FULL CIRCLE DIA.	RECT-ANGULAR	CU. YDS IN WELL	TOTAL CU. YDS	6"	12"	20"	30"	36"	
418+68	L	40"	Maple								9.5	6	19.9	12					33.4					1	
418+84	L	30"	Maple								8.5	5	14.8	12			33X30	10.5	47.2				1		
419+61	L	36"	Maple								9.0	4	12.6	12		30		9.4	35.6					1	
428+77	L	30"	Maple																				1		1
431+68	R	40"	Maple											3			50X16		7.4					1	
432+82	R	40"	Maple											3			60X12		6.6					1	
432+58	R	40"	Maple											3			60X12		6.6					1	
437+88	L	30"	Maple																				1		1
457+71	L	12"	Maple											4	20			1.9	1.9		1				
457+93	R	36"	Maple																					1	1
458+05	L	30"	Maple											3			40X10		3.7				1		
459+50	R	40"	Maple																					1	
459+87	R	40"	Maple																					1	
460+32	R	28"	Maple	459+35	460+83	3.0'	28.5'	2.0'	18'	57.3													1		
460+68	R	44"	Maple																					1	
463+01	R	24"	Birch																				1		
463+30	R	6"	Maple	462+85	463+74	2.0'	27.0'	1.5'	17'	25.4										1					
463+59	R	28"	Maple																				1		
480+94	R	3"	Maple																	1					1
482+91	R	14"	Elm.																		1				1
483+15	L	12"	Maple	483+00	483+30	2.0'	27.0'	1.5'	18'	12.7											1				
483+16	R	6"	Maple																	1					1
483+89	L	32"	Maple											3			10X20		1.8				1		
509+86	L	19"	Elm											4			13X20		3.2			1			
510+64	L	42"	Willow											4			12X20		3.0					1	
515+14	L	14"	Maple											4			13X15		2.4		1				
515+51	L	10"	Maple											3			10X15		1.4		1				
521+12	R	17"	Pine																			1			
521+32	R	15"	Pine																			1			
522+51	R	31"	Maple											3			10X20		1.8				1		
522+81	R	5"	Maple											3			10X10		0.9	1					
523+36	R	2"	Maple											3			10X10		0.9	1					
522+98	L	34"	Maple																				1		
523+36	L	36"	Maple																					1	
523+54	L	33"	Maple	522+83	524+20	2.5'	23.5'	2.0'	22'	47.8													1		
523+71	L	30"	Maple																				1		
524+10	L	48"	Maple																					1	
524+57	R	5"	Maple											3			10X10		0.9	1					
524+83	R	13"	Maple											4			12X20		3.0		1				
525+11	R	12"	Oak.											4			12X20		3.0		1				
525+88	L	39"	Maple																					1	1
526+81	L	18"	Maple																			1			1
544+82	L	37"	Hickory.											3			12X20		2.2					1	
550+00	L	38"	Maple											3			14X20		2.6					1	
550+80	L	51"	Maple											3			14X20		2.6					1	
550+88	L	18"	Maple											3			12X15		1.7			1			
551+24	L	38"	Maple											3			12X20		2.2					1	
551+80	L	36"	Maple											3			9X20		1.7					1	
552+11	R	54"	Maple																					1	1
552+27	R	37"	Maple																					1	1
552+24	R	44"	Maple																					1	1
552+94	R	42"	Maple																					1	1
553+37	R	40"	Maple																					1	1
555+65	L	29"	Pine											3			12X20		2.2				1		
556+25	L	34"	Maple											3			11X60		6.1				1		
556+41	L	48"	Maple											3			11X60		6.1					1	
556+68	L	33"	Maple											3			11X30		3.1				1		
557+05	L	20"	Maple											3			12X50		5.6			1			
557+21	L	23"	Ash.											3			12X50		5.6			1			
557+37	R	30"	Maple																				1		1
557+67	R	35"	Maple																				1		1
558+75	L	70"	Sasfras																					2	2
559+51	R	55"	Maple																					1	1
560+77	R	35"	Maple											3			9X20		1.7				1		
562+32	L	74"	Maple											3			13X30		3.6					1	
563+49	R	27"	Maple																				1		1
445+33	L	32"	Maple																				1		1
462+63	R	12"	Walnut																		1				1
492+95	R	53"	Maple																					1	1
496+14	L	7"	Maple																	1					1
537+64	L	84"	Maple																					1	
483+40	R	7"	Maple																	1					
485+31	R	24"	Maple											6	15			1.6	1.6				1		
484+27	R	5"	Maple											6	10			0.7	0.7	1					
TOTALS										143.2			47.3						233.0	9	8	7	21	30	23

TRAFFIC NOTE

TRAFFIC SHALL BE MAINTAINED AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER.

STA. 406+32 TO STA. 408+46 – TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

STA. 408+46 TO STA. 428+00 - ONE WAY TRAFFIC SHALL BE MAINTAINED ON THE RIGHT EXISTING LANE OF PAVEMENT UNTIL THE LEFT T-71 LANE OF NEW PAVEMENT IS COMPLETED. THEN ONE WAY TRAFFIC SHALL BE MAINTAINED ON THE COMPLETED LANE UNTIL THE RIGHT T-71 LANE IS COMPLETED. AFTER BOTH LANES ARE COMPLETED, TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

STA. 428+0 TO STA. 480+0 – TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

STA. 480+0 TO STA. 495+50 - SAME AS 408+46 TO 428+0

STA. 495+50 TO STA. 502+50 - TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

STA. 502+50 TO STA. 524+50

① FROM 502+50 TO 510+50 BUILD RIGHT T-71 LANE. MAINTAIN TWO WAY TRAFFIC ON EXISTING PAVEMENT.

② FROM 510+50 TO 516+0 BUILD LEFT T-71 LANE. MAINTAIN TWO WAY TRAFFIC ON EXISTING PAVEMENT.

③ FROM 516+0 TO 524+50 BUILD RIGHT T-71 LANE. MAINTAIN TWO WAY TRAFFIC.

④ FROM 502+50 TO 510+50 BUILD LEFT T-71 LANE. MAINTAIN ONE WAY TRAFFIC ON RIGHT COMPLETED LANE.

⑤ FROM 510+50 TO 516+0 BUILD RIGHT T-71 LANE. MAINTAIN ONE WAY TRAFFIC ON COMPLETED LEFT LANE AND ONE WAY TRAFFIC ON EXISTING PAVEMENT.

⑥ FROM 516+0 TO 524+50 BUILD LEFT T-71 LANE. MAINTAIN ONE WAY TRAFFIC ON RIGHT COMPLETED LANE. AFTER BOTH LANES ARE COMPLETED, TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

STA. 524+50 TO STA. 529+0 – TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

STA. 529+0 TO STA. 543+50

① BUILD RIGHT T-71 LANE AND MAINTAIN TWO WAY TRAFFIC.

② BUILD LEFT T-71 LANE AND MAINTAIN ONE WAY TRAFFIC ON COMPLETED RIGHT LANE. WHEN BOTH LANES ARE COMPLETED, TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

STA. 543+50 TO 566+50± MAINTAIN TWO WAY TRAFFIC AT ALL TIMES.

WHEREVER IT BECOMES NECESSARY TO REMOVE PART OF THE OLD ROAD WHILE MAINTAINING TWO WAY TRAFFIC ON SAME, THE REMAINDER SHALL BE WIDENED TO AT LEAST 20 FOOT WIDTH BY THE ADDITION OF T-110 MATERIAL. CROSSINGS FROM OLD TO NEW ROADS, ETC. SHALL BE CONSTRUCTED OF T-110 MATERIAL. CALCIUM CHLORIDE SHALL BE APPLIED AS A DUST PALLIATIVE AS DIRECTED BY ENGINEER. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ON THE OUTSIDE OF ALL LANES WHERE THE SLOPE EXCEEDS 5 FT. IN HEIGHT, A SUITABLE GUARD RAIL 3'-6" IN HEIGHT DURING THE TIME SUCH LANES ARE IN USE.

WHERE IT BECOMES NECESSARY TO CARRY TRAFFIC IN A ONE WAY LANE, THE CONTRACTOR SHALL PROVIDE SIGNALMEN AT EACH END OF EACH ONE WAY LANE AT LEAST TWO OF WHOM SHALL BE ON DUTY AT ALL HOURS OF THE DAY AND NIGHT.

PAYMENT FOR ALL OF THE ABOVE WORK WITH THE EXCEPTION OF AGGREGATE AND CALCIUM CHLORIDE SHALL BE INCLUDED IN THE LUMP SUM BID FOR MAINTAINING TRAFFIC.

METHODS OF MAINTAINING TRAFFIC OTHER THAN THAT OUTLINED ABOVE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.