

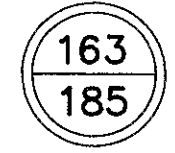
ESTIMATED QUANTITIES

PARTICIPATION CODE
 I = IM-271-6(74)252
 II = IM-90-1(167)45
 IV = 100% STATE

CALC. BY: *[Signature]*
 DATE: *2/20/92*
 CHKD. BY: *[Signature]*
 DATE: *2/19/92*

LAKE COUNTY
 LAK-90/271-1.88/0.00

OHIO
 FHWA REGION 5



** = 50% FEDERAL
 * = CONTINGENCY QUANTITY, SUBJECT TO NON-PERFORMANCE AT NO PENALTY TO THE STATE

ITEM	STRUCTURE NO. LAK-271-								STRUCTURE NO. LAK-90-																PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION					
	0001		0105		0127 E		0145 SW		0243 R		0380		0528 L		0528 R		0599 L		0599 R		0605 L		0605 R		0645 L		0645 R						I	II	IV		
	I	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II	IV	II									IV	
202					500																										500		202	23500	500	S.Y.	WEARING COURSE REMOVED
509																													100	900		509	11401	1000*	LB.	REINFORCING STEEL, AS PER PLAN, <i>GRADE 60</i>	
SPEC	1590			1924	749							2496	1074	1230	820			891	1725		1724		1637		1663			1590	8318	7615	SPEC	51267502	17523	S.Y.	SEALING OF CONCRETE SURFACES (EPOXY) (SEE PROPOSAL NOTE)		
SPEC				1629				2166				1744	1061	1213				835												8648	SPEC	51273000	8648	S.Y.	TREATING CONCRETE BRIDGE DECKS WITH HMWM RESIN (SEE PROPOSAL NOTE)		
513								1050	1050			4200																	1050	5250	513	16590	6300	LB.	‡ STRUCTURAL STEEL, MISC.: MISCELLANEOUS STRUCTURAL STEEL REPAIR (SEE PROPOSAL NOTE)		
513								5	5			4																	5	9	513	16800	14	EACH	STRUCTURAL STEEL, MISC.: RETROFIT PIN AND HANGER ASSEMBLY (SEE PROPOSAL NOTE)		
513												4																		4	513	16800	4	EACH	STRUCTURAL STEEL, MISC.: REPLACE PIN AT FIXED HINGE (SEE PROPOSAL NOTE)		
516								35	35			178	146	174	115			128	116		116		111		111			59	35	35	516	11211	70	L.F.	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN		
SPEC	59			81	68			68	68			178	146	174	115			128	116		116		111		111			59	705	775	SPEC	51614010	1539	L.F.	POURED POLYURETHANE JOINT SEAL		
516																														23*	516	46701	23*	EACH	RESET BEARING, AS PER PLAN		
517																																517	76201	334	L.F.	RAILING FACED, AS PER PLAN, TYPE A	
517																																517	76201	4082	L.F.	RAILING FACED, AS PER PLAN, TYPE B	
518	8			12	3			7	6			12	8	8	4			4	16		16		14		14			8	73	51	518	12801	132	EACH	SCUPPER MODIFICATION, AS PER PLAN		
518	4			4	4			10	10			12	8	12	6			8	16		16		24		24			4	100	54	518	62200	158	EACH	STRUCTURE DRAINAGE, MISC.: SCUPPER PLUGGING		
519	285			5								1743																285		1748	519	11101	2033*	S.F.	PATCHING CONCRETE STRUCTURE, AS PER PLAN **		
SPEC	633			363	138							534	27	48	50			35	111		62		78		25			633	414	1057	SPEC	51911502	2104*	S.F.	PATCHING CONCRETE STRUCTURE WITH TROWELABLE MORTAR ** (SEE PROPOSAL NOTE)		
SPEC								4				2	2	2				2												10	SPEC	51912510	10*	S.Y.	PATCHING CONCRETE BRIDGE DECK OVERLAYS		
SPEC								1908				1431	1080				747													5166	SPEC	51912602	5166*	S.F.	LOW PRESSURE EPOXY INJECTING OF DELAMINATED CONCRETE - BRIDGE DECK TOP SURFACE		
SPEC		244		86	180			440		580		262	18	4		72														1886	SPEC	51912602	1886*	S.F.	LOW PRESSURE EPOXY INJECTING OF DELAMINATED CONCRETE - BRIDGE DECK BOTTOM SURFACE		
SPEC					500																								500		SPEC	51922006	500	S.Y.	MICRO SILICA MODIFIED CONCRETE OVERLAY (1.50" THICK) (SEE PROPOSAL NOTE)		
SPEC	1067							2193					758						1665	1665	1504	1504						1067	9289		SPEC	51922006	10356	S.Y.	MICRO SILICA MODIFIED CONCRETE OVERLAY (2.00" THICK) (SEE PROPOSAL NOTE)		
SPEC	49				13			64					25						42	56	50	38						49	288		SPEC	51922100	337*	C.Y.	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS) (SEE PROPOSAL NOTE)		
SPEC	LUMP																												LUMP			SPEC	51922300	LUMP		TEST SLAB (SEE PROPOSAL NOTE)	
601		8		243		11		12				82					9	13		12				101		7				498	601	20001	498	S.Y.	CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN (<i>SEE SHT. 15B</i>)		
SPEC	792			969								1300																792	2269		SPEC	60739910	3061	L.F.	VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC		
SPEC								2166					1061	1213				835												5275	SPEC	85050070	5275	S.Y.	BRIDGE DECK GROOVING (SEE PROPOSAL NOTE)		

‡ AS PER PLAN

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STILSON & ASSOCIATES, INC.
 CONSULTING ENGINEERING AND ARCHITECTURE
 COLUMBUS AND CLEVELAND

ESTIMATED QUANTITIES
 LAK-90/271-1.88/0.00

LAKE COUNTY

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
W.M.	R.T.P.		V.S.	G.W.M.	2/21/92	