

ENGINEER'S ESTIMATE																																						
LINE NO.	ITEM NUMBER	ITEM	UNIT	UNIT PRICE	PROJECT TOTAL		FEDERAL PARTICIPATING																NON-FEDERAL PARTICIPATING															
							S.P. 062-636-005								S.P. 062-636-006								S.P. 062-636-005															
							BRIDGE 62634		BRIDGE 62634 LIGHTING		BRIDGE 62634 ORNAMENTAL RAILING		ROADWAY AND REMOVE EXISTING BRIDGE		BRIDGES 62635 & 62636		TRAIL BRIDGES LIGHTING/RAILING		BRIDGES 62635 & 62636 ORNAMENTAL RAILING		ROADWAY		STORM SEWER		ORNAMENTAL RAILING (ABOVE \$150/FT)		TRAIL		STORM SEWER		PONDING		STORM SEWER		STORM SEWER			
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT									
A1	2021.501	MOBILIZATION	LUMP SUM	\$950,000.00	1,000	\$950,000.00	0.67797	\$644,070.00					0.06943	\$65,960.00	0.22048	\$209,460.00					0.00787	\$7,480.00	0.00587	\$5,580.00	0.00541	\$5,140.00	0.00960	\$9,120.00	0.00131	\$1,240.00	0.00119	\$1,130.00	0.00022	\$210.00	0.00066	\$630.00		
A2	2031.501	FIELD OFFICE TYPE D-MODIFIED	EACH	\$10,000.00	1,000	\$10,000.00	0.67797	\$6,779.70					0.06943	\$694.30	0.22048	\$2,204.80					0.00787	\$78.70	0.00587	\$58.70	0.00541	\$54.10	0.00960	\$96.00	0.00131	\$13.10	0.00119	\$11.90	0.00022	\$2.20	0.00066	\$6.60		
A3	2101.502	CLEARING	TREE	\$105.00	21	\$2,205.00																					21	\$2,205.00										
A4	2101.507	GRUBBING	TREE	\$95.00	21	\$1,995.00																					21	\$1,995.00										
A5	2102.501	PAVEMENT MARKING REMOVAL	SQ FT	\$1.75	64	\$112.00							64	\$112.00																								
A6	2102.502	PAVEMENT MARKING REMOVAL	LIN FT	\$0.70	30	\$21.00							30	\$21.00																								
A7	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	\$7.25	392	\$2,842.00							209	\$1,515.25																								
A8	2104.501	REMOVE CURB AND GUTTER	LIN FT	\$4.00	1935	\$7,740.00							1695	\$6,780.00													210	\$840.00			30	\$120.00						
A9	2104.501	REMOVE CONCRETE RETAINING WALL	LIN FT	\$40.00	123	\$4,920.00							123	\$4,920.00																								
A10	2104.501	REMOVE CHAIN LINK FENCE	LIN FT	\$2.60	60	\$156.00																					60	\$156.00										
A11	2104.501	REMOVE GUARD RAIL-PLATE BEAM	LIN FT	\$42.00	738	\$30,996.00							718	\$30,156.00													20	\$840.00										
A12	2104.501	REMOVE CONCRETE BARRIER	LIN FT	\$45.00	574	\$25,830.00							574	\$25,830.00																								
A13	2104.503	REMOVE CONCRETE SLOPE PAVING	SQ FT	\$2.00	2408	\$4,816.00							2408	\$4,816.00																								
A14	2104.503	REMOVE CONCRETE WALK	SQ FT	\$1.50	10758	\$16,137.00							10367	\$15,550.50													391	\$586.50										
A15	2104.503	REMOVE CONCRETE PAVEMENT	SQ FT	\$2.75	1476	\$4,059.00							1476	\$4,059.00																								
A16	2104.503	REMOVE CONCRETE APPROACH PANEL	SQ FT	\$3.00	2095	\$6,285.00							2095	\$6,285.00																								
A17	2104.503	REMOVE BITUMINOUS PAVEMENT	SQ FT	\$2.00	33449	\$66,898.00							21703	\$43,406.00																								
A18	2104.509	REMOVE WOOD BARRICADE	EACH	\$200.00	1	\$200.00							1	\$200.00													11350	\$22,700.00			396	\$792.00						
A19	2104.509	REMOVE TWISTED END TREATMENT	EACH	\$200.00	2	\$400.00							2	\$400.00																								
A20	2104.509	REMOVE MANHOLE OR CATCH BASIN	EACH	\$375.00	6	\$2,250.00							5	\$1,875.00																								
A21	2104.509	REMOVE SIGN TYPE C	EACH	\$30.00	6	\$180.00							6	\$180.00																								
A22	2104.509	REMOVE ENERGY ABSORBING TERMINAL	EACH	\$225.00	2	\$450.00							1	\$225.00													1	\$225.00										
A23	2104.513	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	\$1.90	188	\$357.20							83	\$157.70																								
A24	2104.521	SALVAGE CHAIN LINK FENCE	LIN FT	\$16.00	94	\$1,504.00																					53	\$100.70			52	\$98.80						
A25	2104.523	SALVAGE TANGENT TERMINAL	EACH	\$250.00	1	\$250.00																					94	\$1,504.00										
A26	2104.523	SALVAGE SIGN TYPE C	EACH	\$40.00	1	\$40.00																					1	\$250.00										
A27	2104.523	SALVAGE SIGN TYPE D	EACH	\$75.00	1	\$75.00																					1	\$40.00										
A28	2105.501	COMMON EXCAVATION	CU YD	\$4.25	6224	\$26,452.00							1946	\$8,270.50																								
A29	2105.503	ROCK EXCAVATION	CU YD	\$7.00	2787	\$19,509.00																					2703	\$11,487.75			1575	\$6,693.75						
A30	2105.507	SUBGRADE EXCAVATION	CU YD	\$6.50	1052	\$6,838.00																					2787	\$19,509.00										
A31	2105.522	SELECT GRANULAR BORROW (CV)	CU YD	\$9.75	2088	\$20,358.00							1052	\$6,838.00																								
A32	2105.522	SELECT GRANULAR BORROW MOD 10% (CV)	CU YD	\$11.75	1700	\$19,975.00							1970	\$19,207.50																								
A33	2211.503	AGGREGATE BASE (CV) CLASS 5	CU YD	\$21.00	703	\$14,763.00							1637	\$19,234.75													63	\$740.25										
A34	2301.531	EXPANSION JOINTS DESIGN EBH	LIN FT	\$45.00	65	\$2,925.00							424	\$8,904.00													271	\$5,691.00			8	\$168.00						
A35	2301.553	BRIDGE APPROACH PANELS	SQ YD	\$160.00	263	\$42,080.00	263	\$42,080.00					65	\$2,925.00																								
A36	2360.501	TYPE SP 9.5 WEARING COURSE MIX (2,B)	TON	\$70.00	128	\$8,960.00																																

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							S.P. 062-636-005								S.P. 062-636-006								S.P. 062-636-005											
							BRIDGE 62634		BRIDGE 62634 LIGHTING		BRIDGE 62634 ORNAMENTAL RAILING		ROADWAY AND REMOVE EXISTING BRIDGE		BRIDGES 62635 & 62636		TRAIL BRIDGES LIGHTING/RAILING		BRIDGES 62635 & 62636 ORNAMENTAL RAILING		ROADWAY		STORM SEWER		ORNAMENTAL RAILING (ABOVE \$150/FT)		TRAIL		STORM SEWER		PONDING		STORM SEWER	
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
C22	2405.511	DIAPHRAGMS FOR TYPE MN63 PREST BEAMS	LIN FT	\$100.00	54	\$5,400.00									54	\$5,400.00																		
C23	2451.601	DEWATERING (BRIDGE 62635)	LUMP SUM	\$25,000.00	1	\$25,000.00									1	\$25,000.00																		
C24	2452.601	MICROPILE MOBILIZATION	LUMP SUM	\$5,000.00	1	\$5,000.00									1	\$5,000.00																		
C25	2452.602	MICROPILES	EACH	\$4,300.00	17	\$73,100.00									17	\$73,100.00																		
C26	2452.602	MICROPILE PROOF LOAD TEST	EACH	\$20,000.00	3	\$60,000.00									3	\$60,000.00																		
C27	2502.502	DRAINAGE SYSTEM TYPE (B910)	LUMP SUM	\$2,500.00	1	\$2,500.00									1	\$2,500.00																		
C28	2545.509	CONDUIT SYSTEM (LIGHTING) TYPE 1	LUMP SUM	\$3,000.00	1	\$3,000.00									1	\$3,000.00																		
D1	2105.609	HAUL & DISPOSE OF CONTAMINATED SOIL	TON	\$40.00	434	\$17,360.00													434	\$17,360.00														
D2	2401.501	STRUCTURAL CONCRETE (1A43)	CU YD	\$600.00	100	\$60,000.00									100	\$60,000.00																		
D3	2401.501	STRUCTURAL CONCRETE (3Y43)	CU YD	\$750.00	129	\$96,750.00									129	\$96,750.00																		
D4	2401.512	BRIDGE SLAB CONCRETE (3Y43HFWC)	SQ FT	\$26.00	9636	\$250,536.00									9636	\$250,536.00																		
D5	2401.513	TYPE MOD P-1 RAILING CONCRETE (3Y46)	LIN FT	\$120.00	1319	\$158,280.00									1319	\$158,280.00																		
D6	2401.541	REINFORCEMENT BARS	POUND	\$1.15	9940	\$11,431.00									9940	\$11,431.00																		
D7	2401.541	REINFORCEMENT BARS (EPOXY COATED)	POUND	\$1.45	96900	\$140,505.00									96900	\$140,505.00																		
D8	2401.601	FOUNDATION PREPARATION WEST ABUTMENT	LUMP SUM	\$25,000.00	1	\$25,000.00									1	\$25,000.00																		
D9	2401.601	FOUNDATION PREPARATION PIER 1	LUMP SUM	\$15,000.00	1	\$15,000.00									1	\$15,000.00																		
D10	2401.601	FOUNDATION PREPARATION PIER 2	LUMP SUM	\$10,000.00	1	\$10,000.00									1	\$10,000.00																		
D11	2401.601	FOUNDATION PREPARATION PIER 3	LUMP SUM	\$6,000.00	1	\$6,000.00									1	\$6,000.00																		
D12	2401.601	FOUNDATION PREPARATION PIER 4	LUMP SUM	\$6,000.00	1	\$6,000.00									1	\$6,000.00																		
D13	2401.601	FOUNDATION PREPARATION PIER 5	LUMP SUM	\$6,000.00	1	\$6,000.00									1	\$6,000.00																		
D14	2401.601	FOUNDATION PREPARATION PIER 6	LUMP SUM	\$6,000.00	1	\$6,000.00									1	\$6,000.00																		
D15	2401.618	REINFORCED SIDEWALK SLAB TYPE 3 (3A42)	SQ FT	\$20.00	260	\$5,200.00									260	\$5,200.00																		
D16	2402.521	STRUCTURAL STEEL (3306)	POUND	\$3.00	554	\$1,662.00									554	\$1,662.00																		
D17	2402.583	ORNAMENTAL METAL RAILING TYPE SPECIAL 1	LIN FT	\$260.00	104	\$27,040.00									40	\$10,400.00							64	\$16,640.00										
D18	2403.583	ORNAMENTAL METAL RAILING TYPE SPECIAL 2	LIN FT	\$130.00	1163	\$151,190.00									1163	\$151,190.00																		
D19	2402.591	EXPANSION JOINT DEVICES, TYPE 4	LIN FT	\$165.00	42	\$6,930.00									42	\$6,930.00																		
D20	2402.595	BEARING ASSEMBLY	EACH	\$1,000.00	40	\$40,000.00									40	\$40,000.00																		
D21	2402.601	UP RAIL PROTECTION PLATFORM	LUMP SUM	\$60,000.00	1	\$60,000.00									1	\$60,000.00																		
D22	2405.502	PRESTRESSED CONCRETE BEAMS 18R8	LIN FT	\$200.00	488	\$97,600.00									488	\$97,600.00																		
D23	2405.502	PRESTRESSED CONCRETE BEAMS MN54	LIN FT	\$200.00	1340	\$268,000.00									1340	\$268,000.00																		
D24	2405.511	DIAPHRAGMS FOR TYPE MN54 PREST BEAMS	LIN FT	\$100.00	125	\$12,500.00									125	\$12,500.00																		
D25	2433.601	MODIFY SHEET PILE WALL	LUMP SUM	\$50,000.00	1	\$50,000.00									1	\$50,000.00																		
D26	2451.601	DEWATERING (BRIDGE 62636)	LUMP SUM	\$5,000.00	1	\$5,000.00									1	\$5,000.00																		
D27	2452.510	STEEL H-PILING DRIVEN 14"	LIN FT	\$36.00	1555	\$55,980.00									1555	\$55,980.00																		
D28	2452.511	STEEL H-PILING DELIVERED 14"	LIN FT	\$3.00	1555	\$4,665.00									1555	\$4,665.00																		
D29	2452.520	STEEL H-TEST PILE, 65' LONG 14"	EACH	\$7,000.00	5	\$35,000.00									5	\$35,000.00																		
D30	2452.520	STEEL H-TEST PILE, 70' LONG 14"	EACH	\$7,000.00	1	\$7,000.00									1	\$7,000.00																		
D31	2452.520	STEEL H-TEST PILE, 75' LONG 14"	EACH	\$7,000.00	1	\$7,000.00									1	\$7,000.00																		
D32	2452.530	PILE TIP PROTECTION 14"	EACH	\$100.00	32	\$3,200.00									32	\$3,200.00																		

ENGINEER'S ESTIMATE - SUMMARY																															
COST SPLITS		FEDERAL PARTICIPATING												NON-FEDERAL PARTICIPATING																	
		S.P. 062-636-005								S.P. 062-636-006				S.P. 062-636-005																	
		BRIDGE 62634		BRIDGE 62634 LIGHTING		BRIDGE 62634 ORNAMENTAL RAILING		ROADWAY AND REMOVE EXISTING BRIDGE		BRIDGES 62635 & 62636		TRAIL BRIDGES LIGHTING/RAILING		BRIDGES 62635 & 62636 ORNAMENTAL RAILING		ROADWAY		STORM SEWER		ORNAMENTAL RAILING (ABOVE \$150/FT)		TRAIL		STORM SEWER		PONDING		STORM SEWER		STORM SEWER	
		PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	QUANTITY	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT
MOB./ROADWAY/TRAIL (A1 - A111) TOTAL	\$2,082,647.40		\$781,937.70					\$594,741.50		\$412,177.30						\$38,816.20		\$77,773.80		\$5,329.10		\$127,128.60		\$17,304.48		\$15,808.15		\$2,902.20		\$8,750.98	
BRIDGE 62634 (B1 - B45) TOTAL	\$8,597,371.73		\$8,199,771.73					\$325,000.00								\$41,400.00				\$31,200.00											
BRIDGE 62635 (C1 - C28) TOTAL	\$916,029.50							\$890,889.50								\$6,680.00				\$18,460.00											
BRIDGE 62636 (D1 - D34) TOTAL	\$1,651,829.00							\$1,617,829.00								\$17,360.00				\$16,640.00											
PROJECT TOTAL	\$13,247,877.63		\$8,981,709.43					\$919,741.50		\$2,920,895.80						\$104,256.20		\$77,773.80		\$71,629.10		\$127,128.60		\$17,304.48		\$15,808.15		\$2,902.20		\$8,750.98	
FEDERAL S.P. 062-636-005 MAX %	\$7,921,160.74	80.000%	\$7,185,367.54					80.000%	\$735,793.20																						
FEDERAL S.P. 062-636-005 CAP	\$7,584,416.00																														
FEDERAL S.P. 062-636-005 TOTAL	\$7,584,416.00	76.599%	\$6,879,902.87					76.599%	\$704,513.13																						
FEDERAL S.P. 062-636-006 MAX %	\$2,336,716.64									80.000%	\$2,336,716.64																				
FEDERAL S.P. 062-636-006 CAP	\$1,182,030.00																														
FEDERAL S.P. 062-636-006 TOTAL	\$1,182,028.11									40.468%	\$1,182,028.11																				
STATE BRIDGE BONDS TOTAL	\$2,945,722.10	20.041%	\$1,800,021.12							39.224%	\$1,145,700.98																				
COUNTY CSAH TOTAL	\$906,814.81	1.680%	\$150,892.72					23.401%	\$215,228.37	10.154%	\$296,583.36					100.000%	\$104,256.20					100.000%	\$127,128.60			80.500%	\$12,725.56				
COUNTY CSAH STORM SEWER TOTAL	\$101,790.04															100.000%	\$77,773.80							100.000%	\$17,304.48		80.500%	\$2,336.27	50.000%	\$4,375.49	
CITY LOCAL TOTAL	\$522,187.77	1.680%	\$150,892.72							10.154%	\$296,583.36								100%	\$71,629.10						19.500%	\$3,082.59				
CITY LOCAL STORM SEWER TOTAL	\$4,941.42																										19.500%	\$565.93	50.000%	\$4,375.49	