

MS-20-0018 CROSSING IMPROVEMENTS
 BID# 2034

LOCATION A: MASSACHUSETTS ST AND 21st ST

ITEM	DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		Wildcat Concrete Services		J. Warren Co., Inc.		Phoenix Concrete LLC	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
STREET QUANTITIES											
1	Mobilization	LS	1	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$18,000.00	\$18,000.00	\$19,250.00	\$19,250.00
2	Remove Existing Full Depth Roadway Pavement	SY	14	\$45.00	\$630.00	\$120.00	\$1,680.00	\$115.00	\$1,610.00	\$66.00	\$924.00
3	Remove Existing Curb And Gutter	LF	152	\$18.00	\$2,736.00	\$15.60	\$2,371.20	\$16.10	\$2,447.20	\$35.00	\$5,320.00
4	Remove Existing Sidewalk	SY	72	\$15.00	\$1,080.00	\$25.00	\$1,800.00	\$40.25	\$2,898.00	\$30.00	\$2,160.00
5	Remove & Relocate Existing Sign Assembly	EA	2	\$150.00	\$300.00	\$550.00	\$1,100.00	\$200.00	\$400.00	\$750.00	\$1,500.00
6	Remove Existing Fire Hydrant Assembly	EA	1	\$100.00	\$100.00	\$1,250.00	\$1,250.00	\$1,150.00	\$1,150.00	\$825.00	\$825.00
7	Clearing and Grubbing	LS	1	\$550.00	\$550.00	\$3,000.00	\$3,000.00	\$4,945.00	\$4,945.00	\$7,500.00	\$7,500.00
8	Concrete Curb And Gutter (24", Type CG-1)	LF	105	\$45.00	\$4,725.00	\$71.50	\$7,507.50	\$65.55	\$6,882.75	\$65.00	\$6,825.00
9	Concrete Curb And Gutter (24", Type CG-2)	LF	19	\$50.00	\$950.00	\$98.00	\$1,862.00	\$89.70	\$1,704.30	\$65.00	\$1,235.00
10	Concrete Curb And Gutter (24", Type CG-3)	LF	30	\$50.00	\$1,500.00	\$83.00	\$2,490.00	\$75.90	\$2,277.00	\$65.00	\$1,950.00
11	Concrete Curb (Type C-1)	LF	82	\$40.00	\$3,280.00	\$74.00	\$6,068.00	\$67.85	\$5,563.70	\$65.00	\$5,330.00
12	Concrete Bike Slot (6", Reinforced)	SY	19	\$110.00	\$2,090.00	\$158.00	\$3,002.00	\$143.75	\$2,731.25	\$85.00	\$1,615.00
13	Concrete Sidewalk (4")	SY	93	\$100.00	\$9,300.00	\$88.00	\$8,184.00	\$80.50	\$7,486.50	\$110.00	\$10,230.00
14	Detectable Warning Panels	SF	56	\$35.00	\$1,960.00	\$225.00	\$12,600.00	\$207.00	\$11,592.00	\$55.00	\$3,080.00
15	Detectable Warning Panels (Radial, 9.5' Radius)	SF	13	\$40.00	\$520.00	\$285.00	\$3,705.00	\$258.75	\$3,363.75	\$55.00	\$715.00
16	Asphalt Surface Course (2")	LS	1	\$205.00	\$205.00	\$5,500.00	\$5,500.00	\$4,840.00	\$4,840.00	\$3,025.00	\$3,025.00
17	Red Brick-Patterned Stamped Concrete Pavement (6", Reinforced, 4k)	SY	3	\$190.00	\$570.00	\$750.00	\$2,250.00	\$690.00	\$2,070.00	\$260.00	\$780.00
18	Concrete Pavement (8", Unreinforced, 4k)	SY	10	\$120.00	\$1,200.00	\$250.00	\$2,500.00	\$230.00	\$2,300.00	\$108.00	\$1,080.00
19	9" Wide Mountable Curb	LF	45	\$50.00	\$2,250.00	\$71.50	\$3,217.50	\$65.55	\$2,949.75	\$65.00	\$2,925.00
20	Traffic Control	LS	1	\$15,000.00	\$15,000.00	\$9,400.00	\$9,400.00	\$9,000.00	\$9,000.00	\$17,500.00	\$17,500.00
21	Seeding, Mulching, & Fertilizing (Permanent)	LS	1	\$4,000.00	\$4,000.00	\$7,300.00	\$7,300.00	\$2,500.00	\$2,500.00	\$4,500.00	\$4,500.00
22	Flex Post Delineators	EA	6	\$270.00	\$1,620.00	\$210.00	\$1,260.00	\$190.00	\$1,140.00	\$275.00	\$1,650.00
23	Fire Hydrant Assembly	LS	1	\$7,500.00	\$7,500.00	\$8,150.00	\$8,150.00	\$7,475.00	\$7,475.00	\$5,500.00	\$5,500.00
24	Valve Adjustment (Paved)	EA	3	\$250.00	\$750.00	\$875.00	\$2,625.00	\$805.00	\$2,415.00	\$1,450.00	\$4,350.00
STRIPING QUANTITIES											
25	4" Wide Solid White Line (Preformed Thermoplastic or MMA)	LF	133	\$2.00	\$266.00	\$5.00	\$665.00	\$4.60	\$611.80	\$1.65	\$219.45
26	6" Wide Solid White Line (Preformed Thermoplastic or MMA; 8'-Wide Crosswalks)	LF	112	\$4.00	\$448.00	\$7.50	\$840.00	\$6.90	\$772.80	\$2.20	\$246.40
27	4" Wide Double Yellow Centerline (Preformed Thermoplastic or MMA)	LF	125	\$4.00	\$500.00	\$12.50	\$1,562.50	\$11.50	\$1,437.50	\$4.40	\$550.00
28	4" Wide Solid Yellow Line (Preformed Thermoplastic or MMA)	LF	80	\$5.00	\$400.00	\$6.25	\$500.00	\$5.75	\$460.00	\$1.65	\$132.00
29	4" Wide Dotted White Line (Preformed Thermoplastic or MMA; 2' Segment, 2' Gap)	LF	14	\$5.00	\$70.00	\$6.25	\$87.50	\$5.75	\$80.50	\$1.65	\$23.10
30	4" Wide Dotted White Line (Preformed Thermoplastic or MMA; 2' Segment, 4' Gap)	LF	80	\$5.00	\$400.00	\$6.25	\$500.00	\$5.75	\$460.00	\$1.65	\$132.00
31	24" Stop Bar (Preformed Thermoplastic or MMA)	LF	32	\$20.00	\$640.00	\$20.00	\$640.00	\$18.40	\$588.80	\$22.00	\$704.00
32	10' Wide Crosswalk (Preformed Thermoplastic or MMA; 2' Segment, 4' Gap)	LF	85	\$28.00	\$2,380.00	\$37.50	\$3,187.50	\$34.50	\$2,932.50	\$27.50	\$2,337.50
33	5' Wide Bicycle Conflict Marking (Preformed Thermoplastic or MMA; 2' Bar, 4' Gap)	SF	200	\$6.00	\$1,200.00	\$50.00	\$10,000.00	\$46.00	\$9,200.00	\$16.50	\$3,300.00
34	Green MMA for Bicycle Only Areas	SF	144	\$15.00	\$2,160.00	\$27.50	\$3,960.00	\$25.30	\$3,643.20	\$16.50	\$2,376.00
PAVEMENT MARKING QUANTITIES											
35	Bike Lane Marking (Preformed Thermoplastic or MMA)	EA	2	\$500.00	\$1,000.00	\$815.00	\$1,630.00	\$747.50	\$1,495.00	\$330.00	\$660.00
36	Bicyclist marking (Preformed Thermoplastic or MMA)	EA	2	\$300.00	\$600.00	\$250.00	\$500.00	\$230.00	\$460.00	\$330.00	\$660.00
37	MMA Line marking (Preformed Thermoplastic or MMA)	EA	6	\$50.00	\$300.00	\$56.50	\$339.00	\$51.75	\$310.50	\$82.50	\$495.00
38	Shared Lane Marking (Preformed Thermoplastic or MMA)	EA	4	\$400.00	\$1,600.00	\$500.00	\$2,000.00	\$460.00	\$1,840.00	\$330.00	\$1,320.00
39	Right Turn Lane Arrow (Preformed Thermoplastic or MMA)	EA	2	\$350.00	\$700.00	\$375.00	\$750.00	\$345.00	\$690.00	\$330.00	\$660.00
40	"Only" Marking (Preformed Thermoplastic or MMA)	EA	2	\$400.00	\$800.00	\$625.00	\$1,250.00	\$575.00	\$1,150.00	\$360.00	\$720.00

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				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			
SIGN QUANTITIES														
41	R10-6A, Stop Here on Red	EA	2	\$350.00	\$700.00	\$233.00	\$466.00	\$212.75	\$425.50	\$275.00	\$550.00			
42	R3-5R, Right Turn Only	EA	2	\$350.00	\$700.00	\$250.00	\$500.00	\$230.00	\$460.00	\$330.00	\$660.00			
43	R4-11, Bikes May Use Full Lane	EA	2	\$350.00	\$700.00	\$95.00	\$190.00	\$86.25	\$172.50	\$330.00	\$660.00			
44	Custom, Except Bikes	EA	2	\$300.00	\$600.00	\$125.00	\$250.00	\$115.00	\$230.00	\$330.00	\$660.00			
45	W11-15, Bicycle & Pedestrian Crossing	EA	2	\$400.00	\$800.00	\$375.00	\$750.00	\$345.00	\$690.00	\$330.00	\$660.00			
46	W16-9P, Ahead	EA	2	\$300.00	\$600.00	\$107.50	\$215.00	\$100.00	\$200.00	\$125.00	\$250.00			
PAVEMENT MARKING REMOVAL QUANTITIES														
47	4" Solid White Striping Removal	LF	20	\$2.00	\$40.00	\$2.00	\$40.00	\$1.75	\$35.00	\$5.50	\$110.00			
SIGNAL QUANTITIES														
48	Pedestrian Hybrid Beacon System (Inc. Bike and Ped Signals, No Right Turn LED and all wiring)	EA	1	\$103,000.00	\$103,000.00	\$125,000.00	\$125,000.00	\$85,000.00	\$85,000.00	\$95,500.00	\$95,500.00			
LOCATION A TOTAL:					\$190,920.00	LOCATION A TOTAL:		\$259,644.70	LOCATION A TOTAL:		\$221,086.80	LOCATION A TOTAL:		\$223,354.45

LOCATION B: TENNESSEE ST and 7th ST

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT			
STREET QUANTITIES														
1	Mobilization	LS	1	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$13,500.00	\$13,500.00			
2	Remove Existing Full Depth Roadway Pavement	SY	20	\$18.00	\$360.00	\$120.00	\$2,400.00	\$115.00	\$2,300.00	\$66.00	\$1,320.00			
3	Asphalt Surface Course (2")	LS	1	\$205.00	\$205.00	\$1,500.00	\$1,500.00	\$1,380.00	\$1,380.00	\$3,025.00	\$3,025.00			
4	Red Brick-Patterned Stamped Concrete Pavement (6", Unreinforced, 4k)	SY	10	\$190.00	\$1,900.00	\$750.00	\$7,500.00	\$690.00	\$6,900.00	\$260.00	\$2,600.00			
5	Concrete Pavement (8", Unreinforced, 4k)	SY	17	\$120.00	\$2,040.00	\$260.00	\$4,420.00	\$230.00	\$3,910.00	\$108.00	\$1,836.00			
6	9" Wide Mountable Curb	LF	46	\$30.00	\$1,380.00	\$75.00	\$3,450.00	\$65.55	\$3,015.30	\$65.00	\$2,990.00			
7	Traffic Control	LS	1	\$4,000.00	\$4,000.00	\$7,000.00	\$7,000.00	\$6,500.00	\$6,500.00	\$7,250.00	\$7,250.00			
8	Flex Post Delineators	EA	4	\$270.00	\$1,080.00	\$160.00	\$640.00	\$150.00	\$600.00	\$275.00	\$1,100.00			
STRIPING QUANTITIES														
9	4" Wide Solid White Line (Preformed Thermoplastic or MMA)	LF	94	\$2.00	\$188.00	\$5.00	\$470.00	\$5.00	\$470.00	\$2.20	\$206.80			
10	8' Wide Crosswalk (Preformed Thermoplastic or MMA; 2' Segment, 4' Gap)	LF	48	\$10.00	\$480.00	\$40.00	\$1,920.00	\$34.50	\$1,656.00	\$27.50	\$1,320.00			
11	Thermoplastic or MMA; Hatching, 10' Spacing)	LF	12	\$13.00	\$156.00	\$20.00	\$240.00	\$17.25	\$207.00	\$15.00	\$180.00			
12	24" Stop Bar (Preformed Thermoplastic or MMA)	LF	38	\$20.00	\$760.00	\$25.00	\$950.00	\$23.00	\$874.00	\$27.50	\$1,045.00			
PAVEMENT MARKING QUANTITIES														
13	Yield Line Marking (Preformed Thermoplastic or MMA)	EA	8	\$50.00	\$400.00	\$56.50	\$452.00	\$51.75	\$414.00	\$82.50	\$660.00			
SIGN QUANTITIES														
14	R10-25, Press Button to Turn On Warning Lights	EA	2	\$270.00	\$540.00	\$170.00	\$340.00	\$155.25	\$310.50	\$125.00	\$250.00			
15	W11-2, Pedestrian Crossing	EA	3	\$400.00	\$1,200.00	\$375.00	\$1,125.00	\$345.00	\$1,035.00	\$330.00	\$990.00			
16	W16-7pL, Downward Diagonal Arrow (Pointing	EA	1	\$263.00	\$263.00	\$75.00	\$75.00	\$69.00	\$69.00	\$125.00	\$125.00			
17	W16-7pR, Downward Diagonal Arrow (Pointing	EA	1	\$263.00	\$263.00	\$75.00	\$75.00	\$69.00	\$69.00	\$125.00	\$125.00			
18	W16-9P, Ahead	EA	1	\$300.00	\$300.00	\$110.00	\$110.00	\$97.75	\$97.75	\$125.00	\$125.00			
19	OM1-2, Object Marker	EA	1	\$300.00	\$300.00	\$195.00	\$195.00	\$178.25	\$178.25	\$125.00	\$125.00			
PAVEMENT MARKING REMOVAL QUANTITIES														
20	4" Solid White Striping Removal	LF	20	\$2.00	\$40.00	\$1.60	\$32.00	\$1.43	\$28.60	\$5.50	\$110.00			
SIGNAL QUANTITIES														
21	One Sided Rectangular Rapid Flashing Beacon System (With Push Button)	EA	1	\$12,000.00	\$12,000.00	\$9,950.00	\$9,950.00	\$7,650.00	\$7,650.00	\$8,450.00	\$8,450.00			
22	One Sided Rectangular Rapid Flashing Beacon System (Without Push Button)	EA	1	\$10,500.00	\$10,500.00	\$9,300.00	\$9,300.00	\$6,630.00	\$6,630.00	\$7,350.00	\$7,350.00			
23	Pedestal Post with Pedestrian Push Button	EA	1	\$2,000.00	\$2,000.00	\$3,250.00	\$3,250.00	\$2,075.00	\$2,075.00	\$2,350.00	\$2,350.00			
24	Junction Box (Pre-Fab)	EA	1	\$1,500.00	\$1,500.00	\$540.00	\$540.00	\$350.00	\$350.00	\$600.00	\$600.00			
25	3" HDPE Conduit	LF	20	\$35.00	\$700.00	\$65.00	\$1,300.00	\$50.00	\$1,000.00	\$55.00	\$1,100.00			
26	Multi-Conductor Cable No. 14 AWG 3/C	LF	35	\$2.00	\$70.00	\$7.00	\$245.00	\$1.00	\$35.00	\$8.00	\$280.00			
LOCATION B TOTAL:					\$45,125.00	LOCATION B TOTAL:		\$62,479.00	LOCATION B TOTAL:		\$57,754.40	LOCATION B TOTAL:		\$59,012.80

	Wildcat Concrete Services	J. Warren Co., Inc.	Phoenix Concrete LLC
PROJECT TOTAL:	\$236,045.00	\$322,123.70	\$278,841.20
		\$278,841.20	\$282,367.25