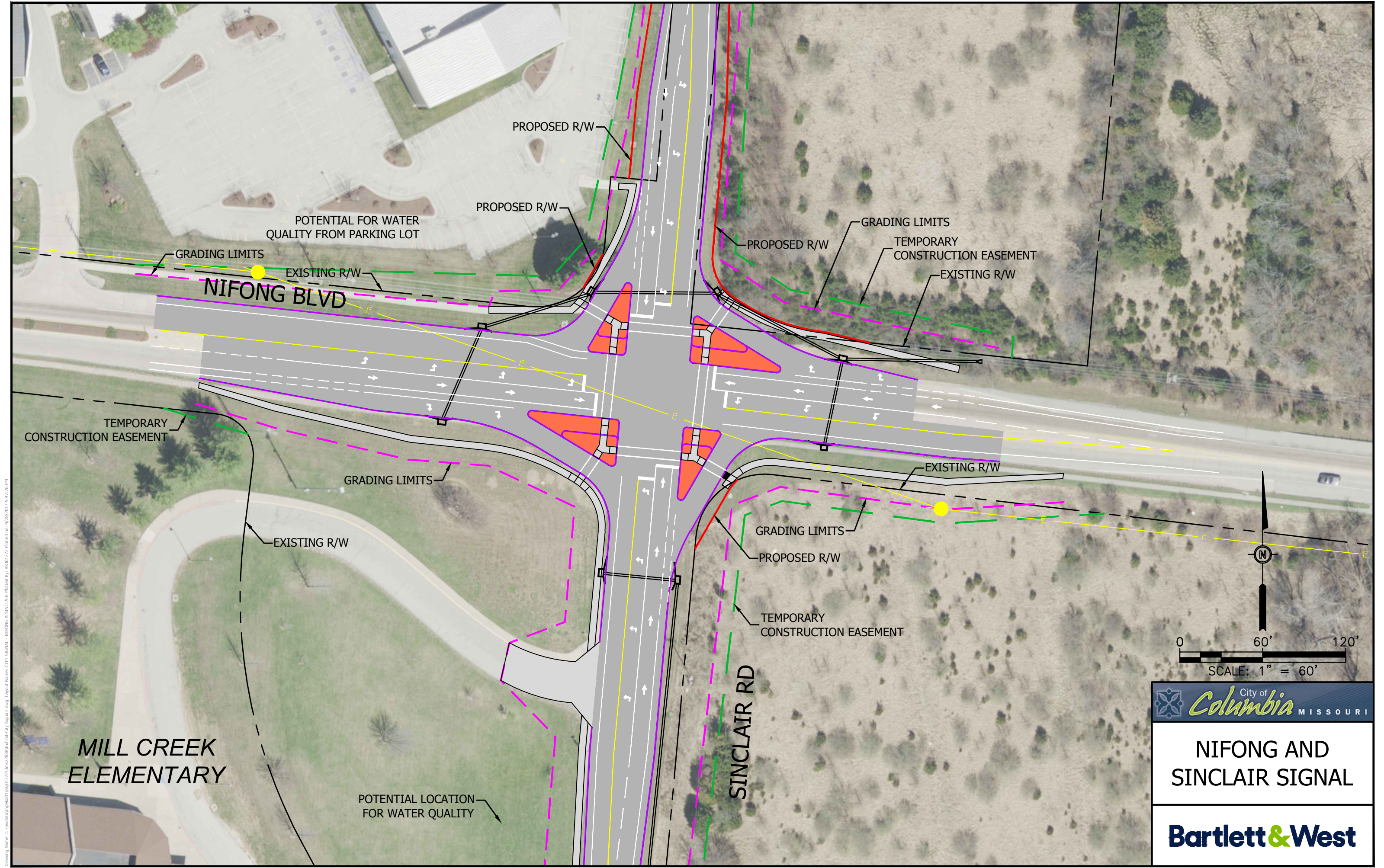


Drawing Name: C:\pawdata\topo\ae01\dd01152\dmz22888\Nifong&Sinclair.dwg Layout Name: SW Roundabout-SingleLine.dwg Plot Date: 5/2/2017 5:14:08 PM

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Drawing Name: C:\pavdata\lupae01\4601272\mcs2888\Exhibit-City Signals.dwg Layout Name: CITY SIGNAL - NIFONG & SINCLAIR Plotted By: A0101272 Plotted on: 4/28/2017 5:47:26 PM



NIFONG AND
SINCLAIR SIGNAL

Bartlett & West



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Concept Cost Estimate

Date: May 3, 2017
Project No.: 16137.400

Description	Unit Price	Unit	Nifong Blvd. and Sinclair Rd. Inter.				Vawter School Rd. and Old Mill Creek Rd. Inter.			
			Roundabout		Signal		Roundabout		Signal	
			Quantity	Extension	Quantity	Extension	Quantity	Extension	Quantity	Extension
Mobilization	5%	LS	1	\$40,000.00	1	\$50,478.13	1	\$37,000.00	1	\$65,231.75
Construction Signage/Traffic Control	25,000.00	LS	1	\$25,000.00	1	\$25,000.00	1	\$25,000.00	1	\$25,000.00
Construction Staking	15,000.00	LS	1	\$15,000.00	1	\$15,000.00	1	\$15,000.00	1	\$15,000.00
Earthwork	Varies	LS	1	\$60,000.00	1	\$40,000.00	1	\$60,000.00	1	\$40,000.00
Removals	Varies	LS	1	\$20,000.00	1	\$25.00	1	\$20,000.00	1	\$30.00
Concrete Pavement with Integral Curb	60.00	SY	5,134	\$308,040.00	7,619	\$457,140.00	4,146	\$248,760.00	9,608	\$576,480.00
Aggregate for Base	7.50	SY	5,345	\$40,087.50	7,869	\$59,017.50	4,259	\$31,942.50	9,854	\$73,905.00
Concrete Driveway	55.00	SY	211	\$11,605.00	250	\$13,750.00	113	\$6,215.00	246	\$13,530.00
Inlet	5,000.00	EA	8	\$40,000.00	10	\$50,000.00	9	\$45,000.00	18	\$90,000.00
18" RCP	60.00	LF	520	\$31,200.00	955	\$57,300.00	840	\$50,400.00	1,459	\$87,540.00
18" RCP End Section	1,000.00	EA	3	\$3,000.00	2	\$2,000.00	1	\$1,000.00	4	\$4,000.00
Permanent Truck Apron	120.00	SY	365	\$43,800.00	#N/A		365	\$43,800.00	#N/A	
Concrete Flume	150.00	SY	29	\$4,350.00	#N/A		32	\$4,800.00	#N/A	
Decorative Concrete Pavement	90.00	SY	424	\$38,160.00	238	\$21,420.00	225	\$20,250.00	332	\$29,880.00
Removable Island	120.00	SY	95	\$11,400.00	233	\$27,960.00	85	\$10,200.00	269	\$32,280.00
Concrete Sidewalk	40.00	SY	905	\$36,200.00	545	\$21,800.00	669	\$26,760.00	1,075	\$43,000.00
Concrete Sidewalk Ramp	80.00	SY	82	\$6,560.00	44	\$3,520.00	81	\$6,480.00	42	\$3,360.00
Detectable Warning Panels	30.00	SF	161	\$4,830.00	161	\$4,830.00	161	\$4,830.00	161	\$4,830.00
Traffic Signal	1.00	LS	#N/A		1	\$130,800.00	#N/A		1	\$130,800.00
Pavement Marking	15,000.00	LS	1	\$15,000.00	1	\$15,000.00	1	\$15,000.00	1	\$15,000.00
Erosion Control	10,000.00	LS	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00	1	\$10,000.00
Finished Seed	5,000.00	LS	1	\$5,000.00	1	\$5,000.00	1	\$5,000.00	1	\$5,000.00
Property Fencing	100.00	LF	#N/A		#N/A		155	\$15,500.00	550	\$55,000.00
Permanent Signage	Varies	LS	1	\$25,000.00	1	\$15,000.00	1	\$25,000.00	1	\$15,000.00
Lighting	Varies	LS	1	\$50,000.00	1	\$35,000.00	1	\$50,000.00	1	\$35,000.00
Contingency	10%			\$84,000.00		\$106,000.00		\$78,000.00		\$137,000.00
Construction Subtotal				\$928,232.50		\$1,166,040.63		\$855,937.50		\$1,506,866.75
No Landscaping Included				\$0.00		\$0.00		\$0.00		\$0.00
Temporary Construction Easements	1.50	SF	25,423	\$38,134.50	35,827	\$53,740.50	46,650	\$69,975.00	90,672	\$136,008.00
Permanent Street Easements	3.00	SF	3,503	\$10,509.00	7,797	\$23,391.00	18,926	\$56,778.00	16,268	\$48,804.00
Utility Relocations (Unknown)	50,000.00	LS	1	\$10,000.00	1	\$20,000.00	1	\$60,000.00	1	\$170,000.00
Total Conceptual Project Cost				\$986,876.00		\$1,263,172.13		\$1,042,690.50		\$1,861,678.75

This project cost opinion was prepared using bid tabulation information available at the time of preparation and is prepared in good faith using engineer's judgment and experience. The engineer makes no guarantee as to the actual costs for construction. At the time of preparation, the third party utility relocation needs were unknown, and therefore, are only conceptual in nature at this time. In addition, other project costs such as engineering, contract administration and construction observation are not included.