

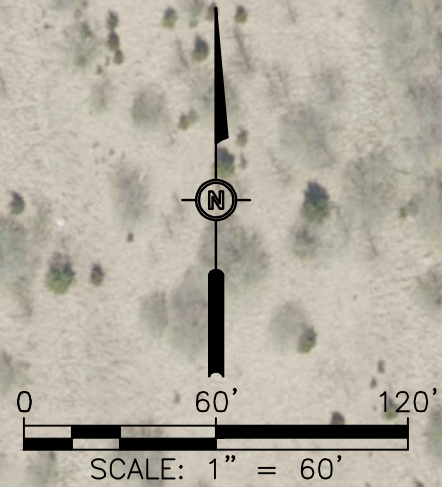
Drawing Name: C:\civildata\lonead\1\1\152\lms22888\Nifong&Sinclair-SW Roundabout-Sinclair.dwg, Layout Name: SW Roundabout-Sinclair.dwg, Plotted on: 5/2/2017 5:14:08 PM

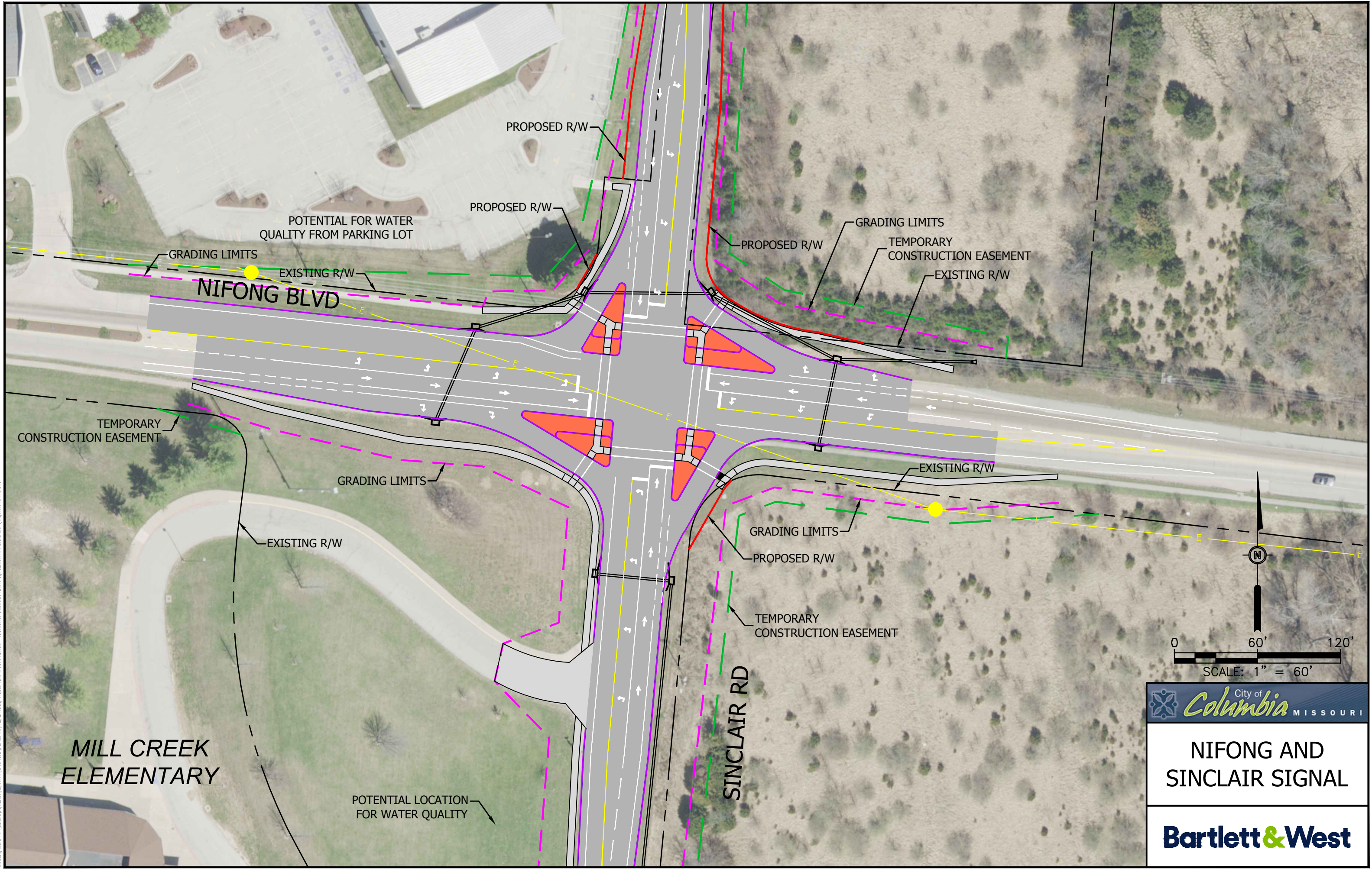
ALL RIGHTS RESERVED. ALL BARTLETT & WEST PLANS, SPECIFICATIONS AND DRAWINGS ARE PROTECTED UNDER COPYRIGHT LAW, AND NO PART MAY BE COPIED, REPRODUCED, DISPLAYED PUBLICLY, USED TO CREATE DERIVATIVES, DISTRIBUTED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM BY ANY MEANS WITHOUT PRIOR WRITTEN PERMISSION OF BARTLETT & WEST.



# NIFONG & SINCLAIR ROUNABOUT

**Bartlett & West**





Drawing Name: C:\projects\1901272\1901272.dwg; User: C:\projects\1901272\1901272.dwg; Plot Date: 11/14/2017 10:47:26 AM

**MILL CREEK  
ELEMENTARY**

**NIFONG BLVD**

**SINCLAIR RD**

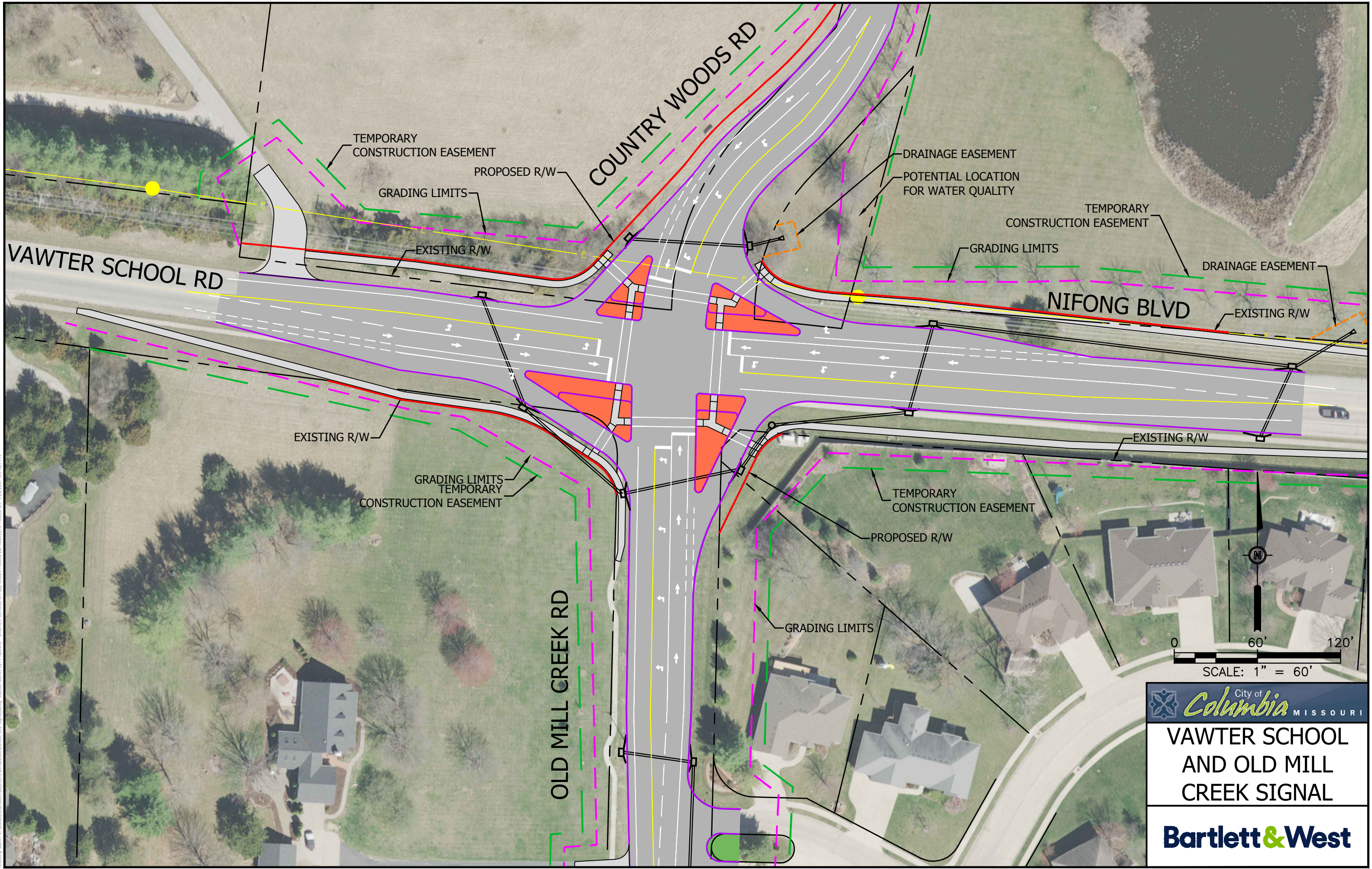


**NIFONG AND  
SINCLAIR SIGNAL**

**Bartlett & West**

ALL RIGHTS RESERVED. ALL BARTLETT & WEST PLANS, SPECIFICATIONS AND DRAWINGS ARE PROTECTED UNDER COPYRIGHT LAW, AND NO PART MAY BE COPIED, REPRODUCED, DISPLAYED PUBLICLY, USED TO CREATE DERIVATIVES, DISTRIBUTED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM BY ANY MEANS WITHOUT PRIOR WRITTEN PERMISSION OF BARTLETT & WEST.





Drawing Name: C:\projects\158401272\158401272.dwg - VAWTER SCHOOL & MILL CREEK - Signal - CITY SIGNAL - VAWTER SCHOOL & MILL CREEK - Signal.dwg Layout Name: CITY SIGNAL - VAWTER SCHOOL & MILL CREEK - Signal.dwg Plotted on: 4/28/2017 5:34:27 PM

ALL RIGHTS RESERVED. ALL BARTLETT & WEST PLANS, SPECIFICATIONS AND DRAWINGS ARE PROTECTED UNDER COPYRIGHT LAW, AND NO PART MAY BE COPIED, REPRODUCED, DISPLAYED PUBLICLY, USED TO CREATE DERIVATIVES, DISTRIBUTED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM BY ANY MEANS WITHOUT PRIOR WRITTEN PERMISSION OF BARTLETT & WEST.



1719 SOUTHRIDGE DRIVE SUITE 100 • JEFFERSON CITY MO 65109  
 573.634.3181 • FAX 573.634.7904 • 866.869.8031  
 WWW.BARTWEST.COM

## Concept Cost Estimate

Date: May 3, 2017  
 Project No.: 16137.400

Description	Unit Price	Unit	Nifong Blvd. and Sinclair Rd. Inters.				Vawter School Rd. and Old Mill Creek Rd. Inters.			
			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
<b>Construction Subtotal</b>				\$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
<b>Total Conceptual Project Cost</b>				\$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.