



MEMORANDUM

TO: Mayor Jones and Members of the Board

FROM: Karen Proctor, Town Administrator

DATE: September 5, 2019

RE: Traffic Control Gate Discussion

DISCUSSION:

Bid documents for the S. Richfield Street and E. Fremont Avenue Traffic Gates were posted for public bid July 26th, 2019 on Quest CDN and August 6th, 2019 on BidNet. Notice of the Invitation to Bid was also published in the Villager on August 1st and August 8th. Bids were due on August 23rd, 2019. Unfortunately, only one bid was received for just the gate portion of the project (Exhibit B).

Staff is seeking direction from the Board on how they would like to proceed with the project. Attached as Exhibit A, is a spreadsheet that breaks out the different options along with descriptions, pros and cons of each option and estimated costs.

ATTACHMENTS:

Exhibit A: Richfield and Fremont Access Gates Options

Exhibit B: Estimate for gates received from DGO Access, LLC

RICHFIELD AND FREMONT ACCESS GATES OPTIONS

Options	Pro's	Con's	Estimated Costs	Cost Details	Notes
<i>(1) Rebid the whole project now</i>					
	Keep project moving	Possibility of receiving no bids	\$ 1,228	Legal Ad \$90, SEH \$1138	SEH - Update dates on IFB, update on Quest CDN, Pre-bid site meeting, Bid opening, no plan changes 4 hours admin, 4 hours engineer, 1 hour project management
<i>(2) Rebid as separate gate/road projects now</i>					
	Better possibility of receiving bids	Two contractors - more coordination during construction	\$ 2,948	Legal Ads \$180, SEH \$2768	SEH - Update plans/bid tab to identify separate items, update IFB, update on Quest CDN, Pre-bid site meeting, Bid opening for 2 projects
	Keep project moving	Possibility of bids with conflicting schedule availability			6 hours admin, 4 hours engineer intern, 6 hours engineer, 1hr project management + Additional 6 hours enginner for double construction coordinaiton
<i>(3) Rebid the whole project in February/March</i>					
	More likely to receive bids	Project delayed	\$ 1,263	Legal Ad \$90, SEH \$1173	Same as rebid now with 3% average rate increase estimate
		Possible cost increases			4 hours admin, 4 hours engineer, 1 hour project management
<i>(4) Rebid as separate gate/road projects in February/March</i>					
	Increase possibility of receiving bids	Project delayed	\$ 3,030	Legal Ads \$180, SEH \$2850	Same as rebid split now with 3% average rate increase estimate
		Possible cost increases			6 hours admin, 4 hours engineer intern, 6 hours engineer, 1hr project management - Additional 6 hours enginner for double construction coordinaiton
		Two contractors - more coordination during construction			
		Possibility of bids with conflicting schedule availability			
<i>(5) Invitation to bid directly to contractors: Road and Gate Separate or Both Road and Gate</i>					
	Increase possibility of receiving bids	Two contractors - more coordination during construction	\$ 2,502	SEH \$2502	Update plans/bid tab to identify separate items, generate contractor list, package letters & plan packets, no pre-bid site meeting (half of engineering intern time for design updates)
	Keep project moving	Possibility of bids with conflicting schedule availability			8 hours engineering intern, 6 hours engineer, 1 hour project management + Additional 6 hours enginner for double construction coordinaiton
<i>(6) Select gate contractor from bids received and contact contractors directly to bid for the road work</i>					
	Increased possibility of receiving bids	2 gate contractor options	\$ 2,072	SEH \$2072	Update plans/bid tab with selected gate info, generate contractor list, package letters & plan packets, no pre-bid site meeting
	Less time				6 hours engineering intern, 4 hours engineer, 1 hour project management + Additional 6 hours enginner for double construction coordinaiton
	Less cost				

DGO ACCESS, LLC

Estimate

LIC. # 243143

1401 Main Street
Unit B
Longmont, CO 80501

Date	Estimate #
8/23/2019	9970

Name / Address
Town of Foxfield c/o Erica Olsen, SEH 2000 S Colorado Blvd. Suite 6000 Colorado Centre Tower 1

Ship To
Town of Foxfield c/o Erica Olsen, SEH 2000 S Colorado Blvd. Suite 6000 Colorado Centre Tower 1

Rep

Item	Description	Qty	U/M	Rate	Total
Door King 160...	Barrier Gates 1601-080 Barrier Arm Operator BGO 1/2hp 115VAC 1 Phase (4x4=16)	4		2,018.115	8,072.46T
Door King 941...	Plug-in Loop Detector DKS - 1 channel + Auxiliary Relay(9411-010) (8 x .5=4)	8		143.4375	1,147.50T
Loop preforme...	RL1840, loop, preformed, 3X6 w/40' lead (8x2=16)	8		88.0875	704.70
AXS # IGAZE ...	REFLECTIVE PHOTO EYE 50FT (4x1.5=6)	4		70.875	283.50T
Door King 160...	1601-520 Arm Aluminum Assy 14' Break-away with LED (8x2=16)	8		332.775	2,662.20T
Door King 160...	Door King 1601-285 Breakaway Hardware Kit 5-30-2019 (8 x1=8)	8		567.405	4,539.24T
	Access Control RFID Readers and Start Up Tags				
AXS #CARMA...	UHF Cards (no labor)	100		6.075	607.50T
AXS #CARMA...	EXTERIOR STICKER TAG FOR METALLIC WINDSHIELD (no labor)	20		4.05	81.00T
AXS #DOLCW...	Long-range UHF Reader (4x4=16)	8		1,348.65	10,789.20T
	Access Control Software and Hardware				
Door King 183...	Multi-Door Access Controller - 3000 Codes(1838-081) (2x4=8)	2		1,203.73	2,407.46T
Door King 183...	RS232/422/485 converter (2x2=4)	2		138.51	277.02T
Door King Acc...	Door King Account Manager Software (2x1=2}	1		0.00	0.00
	Post for Photo Cells and RFID readers				

Subtotal

Sales Tax (8.31%)

Total

DGO ACCESS, LLC

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8/23/2019	9970

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Item	Description	Qty	U/M	Rate	Total
POST FOR M...	post for mounting cameras and possible lights 3"x3" sq post 3' anchored in cement and 10' above grade (4x2=8)	4		357.75	1,431.00
IRB Mounting ...	IRB Mounting post IRB325 (8x1.5=12)	8		39.2575	314.06
Wire 18/8 Shie...	Wire 18/8 Shielded	500		0.4995	249.75T
WIRE CAT 5	WIRE CAT 5	120		0.10125	12.15T
	Labor				
1.02 Commerc...	Labor charges for work performed, Driver: , Date:	104	hr	65.00	6,760.00
1.021 helper la...	helper on job, Driver , Date:	104	hr	32.77	3,408.08
	SCOPE OF WORK				
	1.0 ALL SITE PREPARATION BY OTHERS..				
	A. CONDUITS FOR 120 VAC 20 AMP				
	SERVICE REQUIRED AT ALL FOUR GATE				
	OPENERS. DO NOT SHARE CIRCUITS.				
	B. CONDUITS FOR LOOP DETECTORS				
	UNDER CURB AT ROAD BASE HEIGHT				
	REQUIRED AT EACH GATE OPENER. 3/4"				
	C. CONDUIT FOR LOW VOLTAGE				
	ELECTRICAL REQUIRED AT EACH GATE				
	OPERATOR AND EACH POST FOR RFID				
	HEAD ENDED AT CENTRAL LOCATION FOR				
	CONTROLLER.				
	D. INTERNET DROP REQUIRED AT EACH				
	CONTROLLER.				
	2.0 CONCRETE CURB AND GUTTER AND				

Subtotal

Sales Tax (8.31%)

Total

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Item	Description	Qty	U/M	Rate	Total
	<p>TOPPING BY OTHER.</p> <p>A. BASE FOR GATE OPERATOR IF TOPPING MUST BE REINFORCED TO A DEPTH SUFFICIENT FOR LOCAL CODE.</p> <p>B. PREFORMED LOOPS WILL BE LAID ON AND PINNED TO ROAD BASE BEFORE FINAL LIFT OR CONCRETE IS Poured.</p> <p>C. CAT 5E OR CAT 6 FOR CAMERAS MAY SHARE LOW VOLTAGE CONDUITS TO PHOTO CELL AREA AND RFID CARD READERS.</p> <p>3.0 DGO ACCESS TO PROVIDE A COMPLETE INTEGRATED PACKAGE OF SOFTWARE, HARDWARE AND CREDENTIALS FOR A COMPLETE WORKING SYSTEM PER PLANS AND SPECIFICATIONS.</p>				
				Subtotal	\$43,746.82
				Sales Tax (8.31%)	\$2,586.82
				Total	\$46,333.64