

ACTION SHEET
CITY COUNCIL COMMITTEE MEETING OF 06/10/15
ITEM FROM FINANCE COMMITTEE MEETING OF 06/01/15

ISSUE:

20. Request for Approval of Associated Costs in Resolution No. 2015-14 Regarding City of Santa Fe Green Bike Lanes Pilot Project at Paseo De Peralta/Don Gaspar, Camino Carlos Rey/Siringo and Camino Carlos Rey/Cerrillos Road and Video Detection System and Procurement Under State Price Agreement . (Ladd Lucero)

FINANCE COMMITTEE ACTION:

Approved as Discussion Item.

FUNDING SOURCE: 32815.572500.0112900

SPECIAL CONDITIONS OR AMENDMENTS

STAFF FOLLOW-UP:

VOTE	FOR	AGAINST	ABSTAIN
COUNCILOR TRUJILLO	X		
COUNCILOR RIVERA	X		
COUNCILOR LINDELL	X		
COUNCILOR MAESTAS	Not present to vote		
CHAIRPERSON DOMINGUEZ			

4-13-15

**ACTION SHEET
ITEM FROM THE
PUBLIC WORKS/CIP AND LAND USE COMMITTEE MEETING
OF
TUESDAY, MAY 26, 2015**

ITEM 7

REQUEST FOR APPROVAL OF GREEN COLORED PAVEMENT MARKINGS IN BICYCLE LANES AT HIGH-RISK INTERSECTION WITHIN THE CITY OF SANTA FE PILOT PROJECT **(LADD LUCERO)**

PUBLIC WORKS COMMITTEE ACTION: Approved

FUNDING SOURCE: 32815.572500.0112900

SPECIAL CONDITIONS / AMENDMENTS / STAFF FOLLOW UP:

VOTE	FOR	AGAINST	ABSTAIN
CHAIRPERSON TRUJILLO			
COUNCILOR BUSHEE	X		
COUNCILOR DIMAS	X		
COUNCILOR DOMINGUEZ	X		
COUNCILOR RIVERA	X		

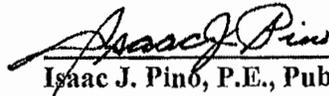
City of Santa Fe, New Mexico

memo

DATE: May 15, 2015

TO: Public Works Committee

VIA:



Isaac J. Pinó, P.E., Public Works Department Director

John Romero, Traffic Engineering Division Director 

FROM: Ladd Lucero, Traffic Engineering Technician 

ITEM AND ISSUE:

GREEN COLORED PAVEMENT MARKINGS IN BICYCLE LANES AT HIGH-RISK INTERSECTIONS WITHIN THE CITY OF SANTA FE PILOT PROJECT UPDATE

BACKGROUND & SUMMARY:

City Council approved the attached resolution on February 11, 2015 directing staff to work with the Metropolitan Planning Organization and the Bicycle and Trails Advisory Committee (BTAC) to study the costs, benefits and potential locations to implement a pilot project to install and evaluate green colored pavement markings in bicycle lanes at high-risk intersections within the City of Santa Fe. The resolution also direct staff to, within sixty (60) days of adoption, report back to the BTAC and to the Governing Body its findings.

A conceptual plan was presented to BTAC on March 18, 2015. At that time, BTAC appointed a subcommittee and asked them to further evaluate the plan and present to BTAC at their next meeting.

The revised plan was presented to BTAC at their April 15, 2015 meeting. BTAC recommended approval of the plan, with two amendments. They asked that:

1. Staff present findings of the pilot project within 1 year of approval by the City Council
2. Only \$50,000 of CIP On-Road Bicycle funds be used for the pilot project.

In addition to the pavement markings we will be placing needed bicycle signal detection at the five signalized intersections. There are currently two different types of detection

systems available for bicycle detection with which we want to evaluate as part of this pilot project. We will be placing an infrared detection system at the intersections of Paseo De Peralta/Don Gaspar, Camino Carlos Rey/Siringo and Camino Carlos Rey/Cerrillos and a video detection system at Richards Ave. /Governor Miles and Camino Carlos Rey/W. Zia Rd.

RECOMMENDED ACTION:

Approval of proposed pilot project in the amount of \$ 45,879.68 to be expended from the CIP On-Road Bicycle fund 32815.572500.0112900.

Approval of Procurement for:

1. Pavement Markings with San Bar in the amount of \$ 24,312.68 (Lowest of 3-Quotes)
2. Bicycle Signal detection with AM Signal Inc. in the amount of \$ 12,747.00 and Gades Sales Co. Inc. in the amount of \$ 8,820.00

Attachments: Resolution

San Bar Construction Corporation
 9101 Broadway SE
 Albuquerque, NM 87105
 www.sanbarcc.com

Proposal



Phone: 505-452-8000
 Fax: 505-452-8800

Proposal: 15D0429A
Date: 4/29/2015

To: Estimator Attn: Estimator	Project: Green Bike Lane RFQ Various Locations Santa Fe, NM 87501
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Estimator:		
Chris Cartwright		

Reference	Description	Quantity	UOM	Unit Price	Extended Price
MB Metal Barrier					
MB618000	Traffic Control	30.00	HR	\$195.0000	\$5,850.00
Total MB Metal Barrier					\$5,850.00
PM Pavement Markings					
PM631002	Sweeping	1.00	LS	\$1,030.000	\$1,030.00
PM704741	Thermoplastic Preformed Pavement Marking 4" stripe	179.00	LF	\$1.9200	\$343.68
PM704752	Thermoplastic Preformed Pavement Marking Symbol Bike w/Sharrow Thru	2.00	EA	\$178.0000	\$356.00
PM704759bd	Thermoplastic Preformed Pavement Marking Bike Detection Symbol	5.00	EA	\$194.0000	\$970.00
PM704759bs	Thermoplastic Preformed Pavement Marking Green Panel w/ Bike Symbol	20.00	EA	\$243.0000	\$4,860.00
PM704759s	Thermoplastic Preformed Pavement Marking Solid Green Panel	1,040.00	SF	\$10.2500	\$10,660.00
PM704759sa	Thermoplastic Preformed Pavement Marking Green Panel w/ Straight Arrow	1.00	EA	\$243.0000	\$243.00
Total PM Pavement Markings					\$18,462.68

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Estimator		
Chris Cartwright		

Proposal Total: \$24,312.68

Notes

Proposal excludes layout, blue staking, concrete coring, removal of curing compound and sweeping.

Permanent Markings include one mobilization. Excludes curb nose painting. If required a charge of \$3.00/SF will be added to invoice. Layout points to be provided by general contractor at 30' to 40' intervals maximum.

Excludes taxes, permits, and bonds.

Proposal valid for 30 days.

Please contact Frank or Brad in our scheduling department regarding any pre or post bid scheduling concerns. They can be reached at the above phone number or Frank@sanbarcc.com or Bradb@sanbarcc.com.

Additional Mobilizations \$500.00 Ea.

Acceptance	
Accepted by:	_____
Title:	_____
Date:	_____



TRAFFIC CONTROL SOLUTIONS

6221 Chappell Rd. NE
 Albuquerque, NM 87113
 (505) 345-8295 Fax: (505) 345-0546
 www.highwaysupply.net

License#: 91853
 NM Dept. of Labor #: 002199220110314 Exp 3/14/2017

To:	City Of Santa Fe Public Works - Traffic Engineering Dept.	Contact:	Ladd Lucero
Address:	1142 Siler Rd #A Santa Fe, NM 87507	Phone:	(505) 955-2200
Project Name:	Green Bike Lanes (Pilot Project)	Bid Number:	
Project Location:	Camino Carlos Rey, Richards Ave, Don Gaspar, Santa Fe, NM	Bid Date:	5/5/2015

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	GREEN BIKE LANES/SYMBOLS Per PLANS, C/P	1.00	LS	\$25,511.461	\$25,511.46
	SURFACE PREPARATION (WATERBLASTING) - SF	2,220.00	SF	\$2.100	\$4,662.00
	TRAFFIC CONTROL & BARRICADING	5.00	CDY	\$850.000	\$4,250.00
Total Bid Price:				\$34,423.46	

Notes:

- Traffic Control price include (1) TCS assigned to project during both surface prep. and green bike lanes installation.
- **NOTES/INCLUSIONS PAVEMENT MARKINGS:** We will need City of Santa Fe to assist with survey and layout for both operations. This quote includes (1) move-in, additional will be \$1200.00 each occurrence.
- **EXCLUSIONS GENERAL:** Any Items not listed in "Inclusions", bond, any permit fees, barricading bond.
- **EXCLUSIONS TRAFFIC CONTROL:** Professional Engineering Services, any media or published public information, special information signs, business access signs, caution tape or flagline, temp. signals, barrier wall, glare shielding, light towers, chip seal markers, striping or removal, flagperson(s), pilot car or driver, 24-7 or double shift labor coverage, impact attenuators, messageboards.
- **EXCLUSIONS PAVEMENT MARKINGS:** Survey and layout, pavement seal after waterblasting.

Payment Terms:

Payment Terms: Net 30 W.A.C. - Quote is Valid for 60 Days - Traffic Control Items are subject to gross receipts tax at 7.00% payable to Highway Supply, LLC unless a NTTC Type 5 or 6 for subcontracted services is provided. Our bond rate is \$13.55/\$1000

<p>ACCEPTED: The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p>	<p>CONFIRMED: Highway Supply</p> <div style="text-align: right;">  </div> <p>Authorized Signature:</p> <p>Estimator: Steve Clark (505) 345-8295 sclark@highwaysupply.net</p>
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SF PAVEMENT MARKING, LLC

May 7, 2015

Mr. Ladd Lucero
City of Santa Fe – Traffic Eng.
Santa Fe, NM

Dear Mr. Lucero:

Thank you for contacting SF Pavement Marking, LLC regarding the bicycle thermoplastic pavement symbols ITB. We are unfortunately not able to bid at this time due to the fact that we do not perform thermoplastic materials installations. We do install the preformed pavement marking tape by 3m FYI.

If you have any questions, please feel free to contact us. My number is 505-670-1702.

Again, thank you for choosing SF Pavement Marking, LLC.

Sincerely,

Randy B. Lucero
President – SF Pavement Marking, LLC



Estimate

AM Signal, Inc.
 9935 Titan Park Circle
 Littleton CO 80125
 Ph: 720-348-6925 Fx: 720-348-6950

Date	Estimate #
3/6/2015	179

Bill To
Accounts Payable Santa Fe PO Box 909 Santa Fe NM 87504-0909

Ship To
Traffic Division Santa Fe 200 Lincoln Avenue Santa Fe NM 87501

SO Type	Contract #	Terms	FOB	Expires	Sales Rep
Standard		Net 30	ORIGIN	5/29/2015	Karly Fisher

Notes

RICK DEVINE
 NEW MEXICO SPECIAL PRICING
 FREIGHT IS INCLUDED

Quantity	Item	Description	Rate	Amount
2	TRAFISENSE CAMERA 13MM (S)	TRAFISENSE 13MM CAMERA **INTERSECTIONS: Pasco De Peralta/Don Gaspar Camino Carlos Rey/Siringo	3,250.00	6,500.00
1	TRAFISENSE CAMERA 19MM (S)	TRAFISENSE 19MM CAMERA **INTERSECTIONS: Cerrillos/Camino Carlos Rey	3,250.00	3,250.00
3	TI X-STREAM EDGE (S)	TI X-STREAM EDGE	850.00	2,550.00
3	TRAFISENSE 3-WIRE CABLE (S)	K-6802TCS D 18 GAGE TWISTED PAIR 3 WIRE CABLE, DRAIN, FOR TRAFISENSE	50.00	150.00
3	24VDC POWER SUPPLY	WEIDMULLER - 9928890024 - 24VDC POWER SUPPLY - DIN RAIL MOUNTED	99.00	297.00



TRAFFIC CONTROL SPECIALISTS
www.gadestrafic.com

Date: 05/06/15

Bill to: City of Santa Fe

Job: Bike Detection

Qty	Description	Unit Price	Line Total
Richards & Governor Miles			
1	WDR Camera w/camera mount	\$1,810.00	\$1,810.00
1	Edge2 single camera input processor with Bike Differentiation	\$2,250.00	\$2,250.00
1	250' Siamese cable - (Coax & SJOW)	\$350.00	\$350.00
W. Zia Road & Camino Carlos Rey			
1	WDR Camera W/camera mount	\$1,810.00	\$1,810.00
1	Edge2 single camera input processor with Bike Differentiation	\$2,250.00	\$2,250.00
1	250' Siamese cable - (Coax & SJOW)	\$350.00	\$350.00

Subtotal	\$8,820.00
Tax	\$0.00
Total	\$8,820.00

Quote good for 60 days

Sincerely,

John Beale

jbeale@gadestrafic.com

303-862-1770

7100 N. Broadway #51 Denver, CO, 80221 (303) 862-1770

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CITY OF SANTA FE NEW MEXICO

RESOLUTION NO. 2015-14

INTRODUCED BY:

Mayor Javier Gonzales

Councilor Patti Bushee

A RESOLUTION

DIRECTING STAFF TO COLLABORATE WITH THE METROPOLITAN PLANNING ORGANIZATION (MPO) AND THE BICYCLE AND TRAILS ADVISORY COMMITTEE (BTAC) TO STUDY THE COSTS, BENEFITS AND POTENTIAL LOCATIONS TO IMPLEMENT A PILOT PROJECT TO INSTALL AND EVALUATE GREEN COLORED PAVEMENT MARKINGS IN BICYCLE LANES AT HIGH-RISK INTERSECTIONS WITHIN THE CITY OF SANTA FE; WORK WITH THE MPO, BTAC AND OTHER STAKEHOLDERS TO CONDUCT A STUDY OF EXISTING BICYCLE SAFETY ISSUES; REVIEW THE METROPOLITAN BICYCLE MASTER PLAN PROJECT RECOMMENDATIONS FOR ON-ROAD BIKEWAY IMPROVEMENTS; AND DEVELOP AN IMPLEMENTATION PLAN OVER THE NEXT FIVE YEARS TARGETED AT IMPROVING ON-ROAD BICYCLE SAFETY WITHIN THE CITY OF SANTA FE.

WHEREAS, pavement marking options for designated bicycle lanes are covered by national guidance in the Manual on Uniform Traffic Control Devices (MUTCD) as well as in publications by the American Association of State Highway and Transportation Officials (AASHTO); and

1 **WHEREAS**, in 2011, green colored pavement in marked bicycle lanes and in extensions of
2 bicycle lanes through intersections and other traffic conflict areas received interim approval from the
3 Federal Highway Administration (FHWA) as a traffic control device; and

4 **WHEREAS**, the FHWA found positive operational effects in experiments, such as bicyclists
5 positioning themselves more accurately as they travel across intersections and through conflict areas,
6 but no notable negative operational effects; and

7 **WHEREAS**, research has also shown that bicyclists and motorists both have a positive
8 impression of the effect of the green colored pavement, with bicyclists saying that they feel safer
9 when it is present, and motorists saying that it gives them an increased awareness that bicyclists might
10 be present and where those bicyclists are likely to be positioned within the traveled way; and

11 **WHEREAS**, Santa Fe County and City have received numerous awards for its high quality
12 of life in outdoor recreation and ecotourism, including:

- 13 • League of American Bicyclists awarded Santa Fe a Silver designation for its bicycle
14 transportation infrastructure;
- 15 • International Mountain Biking Association awarded Santa Fe a Silver-level Ride Center;
- 16 • USA Today listed Santa Fe as one of America’s top mountain biking towns;
- 17 • Singletracks.com voted Santa Fe one of the Top Ten mountain biking destinations in
18 North America;
- 19 • Runners World Magazine rated Santa Fe’s Dale Ball trail system one of 25 best trail runs
20 in America;
- 21 • Singletracks.com voted Santa Fe one of the Top Ten mountain biking destinations in
22 North America;
- 23 • Conde Nast voted Santa Fe as the best small town in America; and

24 **WHEREAS**, the Santa Fe Metropolitan Bicycle Master Plan states that “the MPO will work
25 with member agencies to stay abreast of the latest research in the development of best practices for

1 bicycle facilities and to identify opportunities to put such practices into use in the Santa Fe MPO
2 area”; and

3 **WHEREAS**, this includes consideration of new striping options for bike lanes and shared
4 lanes, use of shared-lane arrows, creation of bike boulevards and means of cyclist actuation of traffic
5 signals, and

6 **WHEREAS**, the Metropolitan Bicycle Master Plan “recommends that each MPO member
7 legally adopt bike lanes or paved shoulders as standard on-road provisions for bicyclists on major
8 roadways (arterials and major collectors); and

9 **WHEREAS**, the Metropolitan Bicycle Master Plan developed an Implementation Plan with
10 short-, medium-, and long-term project recommendations for both Trails and On-Road Bikeway
11 facilities, and

12 **WHEREAS**, the Governing Body desires for staff to collaborate with the MPO and BTAC to
13 study the costs, benefits, and potential locations to implement a pilot project to install and evaluate
14 green colored pavement markings in bicycle lanes at high-risk intersections within the city of Santa
15 Fe.

16 **NOW, THEREFORE, BE IT FURTHER RESOLVED BY THE GOVERNING BODY**
17 **OF THE CITY OF SANTA FE** that the Governing Body hereby directs staff within the Public
18 Utilities Department and Public Works Department to:

- 19 1. Work with the MPO and BTAC to study the costs, benefits and potential locations to
20 implement a pilot project to install and evaluate green colored pavement markings in
21 bicycle lanes at high-risk intersections within the city of Santa Fe;
- 22 2. Within sixty (60) days of adoption of this resolution, report back to the BTAC and to
23 the Governing Body its findings.

24 **BE IT FURTHER RESOLVED** that staff within the Public Utilities Department and Public
25 Works Department are directed to:

