City of Santa Fe, New Mexico

memo

DATE: April 18, 2016

TO: Bicycle & Trails Advisory Committee

VIA: John Romero, Engineering Division Director JC

FROM: Rick Devine, Engineer Supervisor

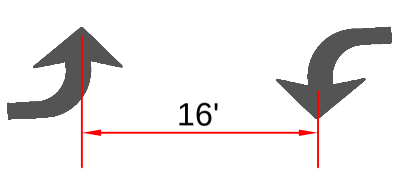
SUBJECT: Preliminary plans and estimate for the installation of bike lanes & symbols on Siringo Road, from St. Francis to Botulph Road.

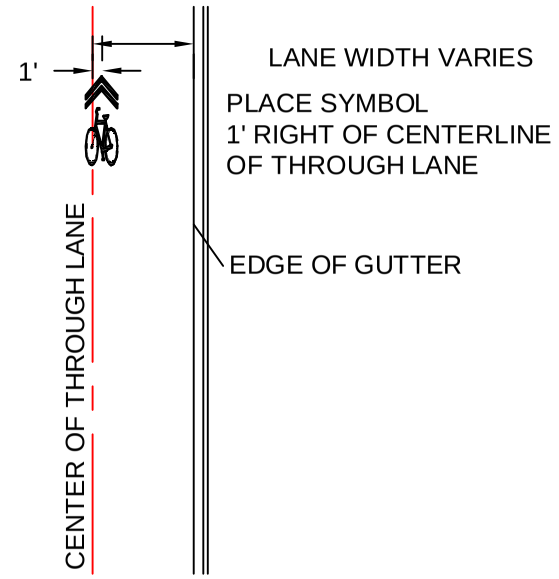
Attached, please find the preliminary drawings and estimate for the above referenced streets. Please review and comment. We have estimated the cost to install the pavement markings and signage at about $36,993. The estimate is based on New Mexico State Price Agreements. There are sufficient funds available in business unit number 32815.572500 to do the work. Please review and comment. If you require additional information at this time, please advise.

Attachments : Engineer's Estimate - 1 page
Siringo Rd pavement marking plans – 4 sheets in pdf format

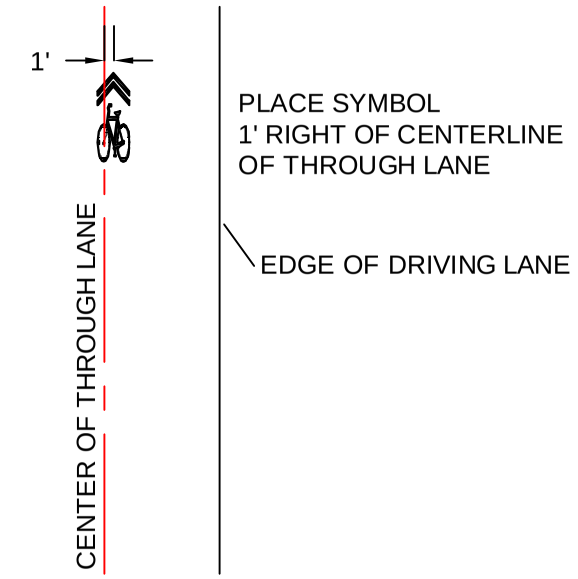
KEYED CONSTRUCTION NOTES

1. 4" WIDE PAINTED SOLID YELLOW STRIPE
1A. 4" WIDE PAINTED YELLOW DOUBLE STRIPE
2. 4" WIDE PAINTED SKIPPED YELLOW STRIPE
3. 4" WIDE PAINTED SOLID WHITE STRIPE
4. 4" WIDE PAINTED DASHED WHITE STRIPE
5. 4" WIDE PAINTED SKIPPED WHITE STRIPE
6. 4" WIDE PREFORMED WHITE STRIPE - 3M BRAND IES 380 NO SUBSTITUTES
7. 8" WIDE PREFORMED WHITE STRIPE - 3M BRAND IES 380 NO SUBSTITUTES
8. 12" WIDE PREFORMED WHITE STRIPE - 3M BRAND IES 380 NO SUBSTITUTES
9. 24" WIDE PREFORMED WHITE STRIPE - 3M BRAND IES 380 NO SUBSTITUTES
10. 4" WIDE PREFORMED YELLOW STRIPE - 3M BRAND IES 380
11. 8" WIDE PREFORMED YELLOW STRIPE - 3M BRAND IES 380
12. LEFT TURN ARROW - WHITE 3M BRAND IES 380 TAPE
13. COMBINATION THRU/RIGHT TURN ARROW - WHITE 3M BRAND IES 380 TAPE
14. THRU ARROW WHITE -3M BRAND IES 380 TAPE
15. RIGHT TURN ARROW - WHITE 3M BRAND IES 380 TAPE
16. BIKE SYMBOL AND ARROW 28 SF PER EA, 3M BRAND IES 380 TAPE
17. BIKE SHARROW SYMBOL - 28 SF PER EA, 3M BRAND IES 380 TAPE
18. 8" WIDE PAINTED SOLID WHITE STRIPE
19. TWO WAY LEFT TURN ARROWS - SEE DETAIL BELOW.

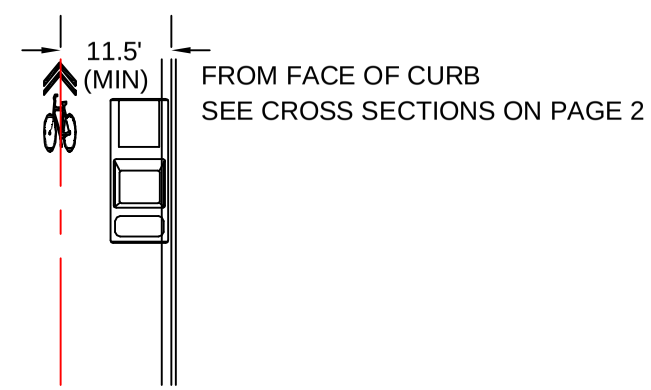




SHARROW LOCATION ON STREETS WITH NO PARKING
DETAIL A



SHARROW LOCATION ON STREETS WITH NO CURB AND GUTTER
DETAIL C



SHARROW LOCATION ON STREETS WITH PARKING
DETAIL B

Date	Remarks	By
	Revisions	

Designed By: RJD
Drawn By: RJD
Checked By: JJR

PROJECT: ON STREET BIKE MARKING

TITLE: SIRINGO RD BIKE LANES AND SHARROW PLANS

FILENAME:

Engineer's Seal

RICHARD J. DEVINE
STATE OF NEW MEXICO
13282
REGISTERED PROFESSIONAL ENGINEER

CITY OF SANTA FE

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

CITY APPROVAL

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PW/ ENG. DIR.		
A.D.A. COORD.		

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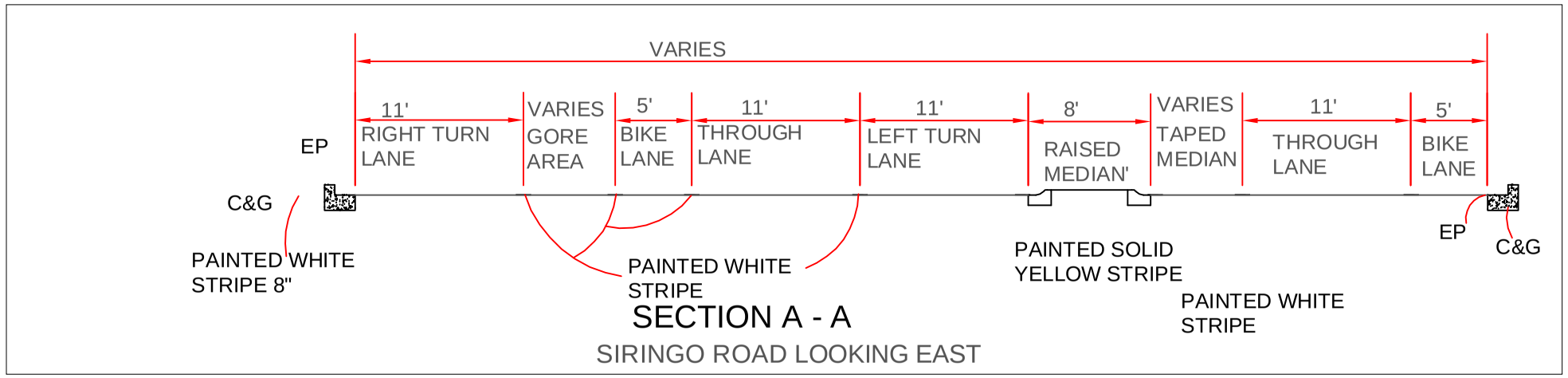
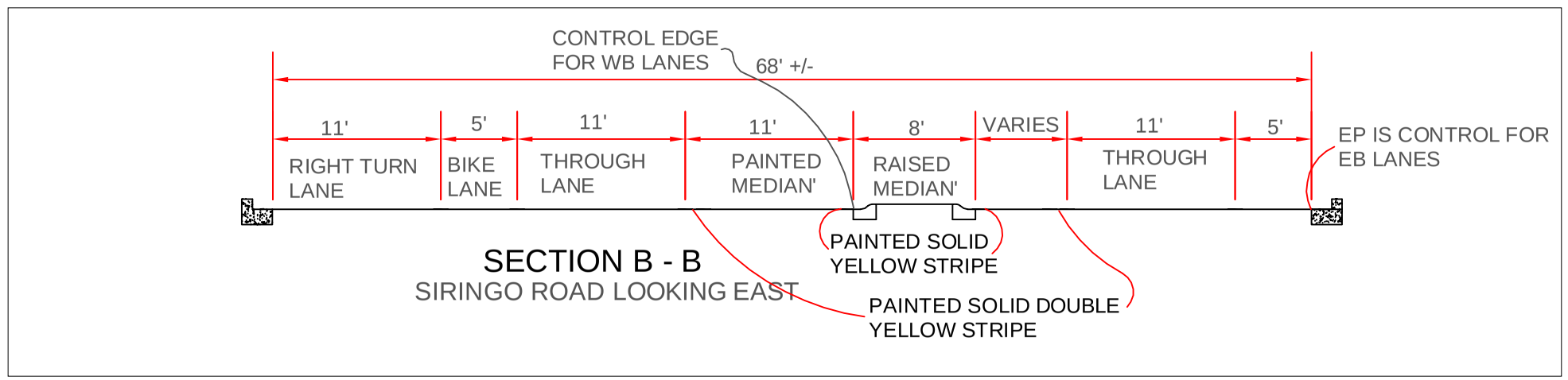
PAGE 1



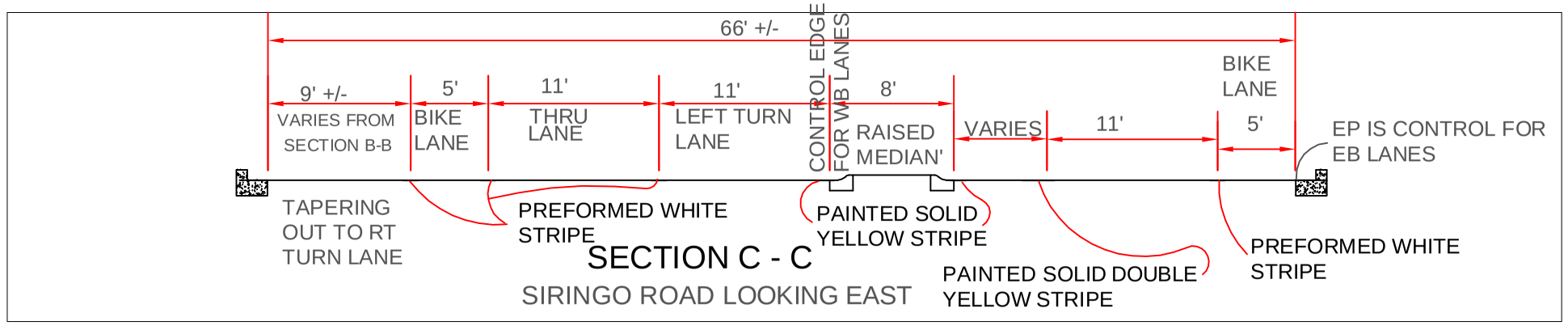
SECTION A - A

SIRINGO ROAD LOOKING EAST



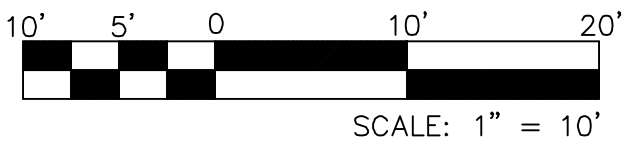
SECTION B - B

SIRINGO ROAD LOOKING EAST

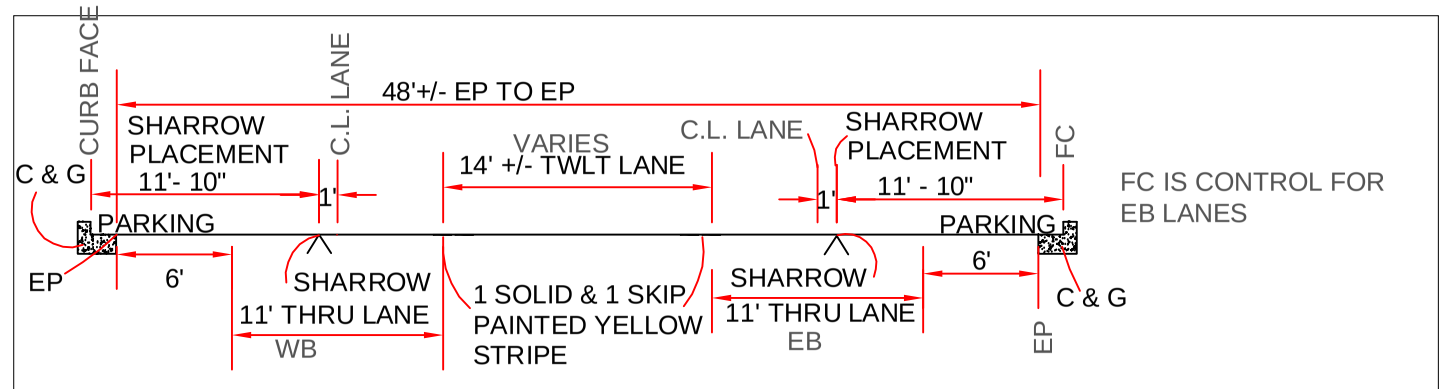


SECTION C - C

SIRINGO ROAD LOOKING EAST



FC IS CONTROL FOR WB LANES & SHARROWS



FC IS CONTROL FOR WB LANES

SECTION D - D

EAST BOUND TO BOTULPH ROAD

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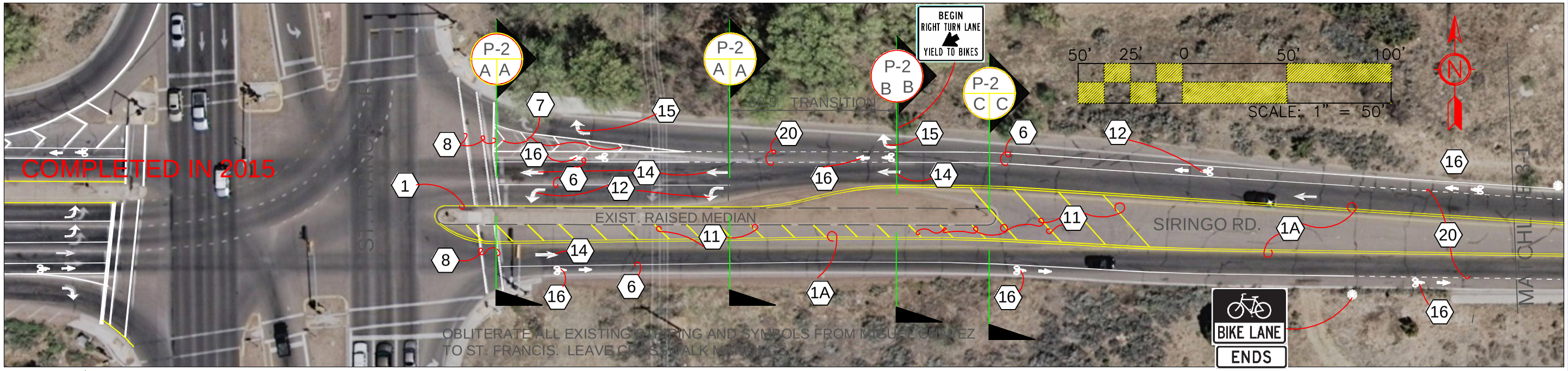

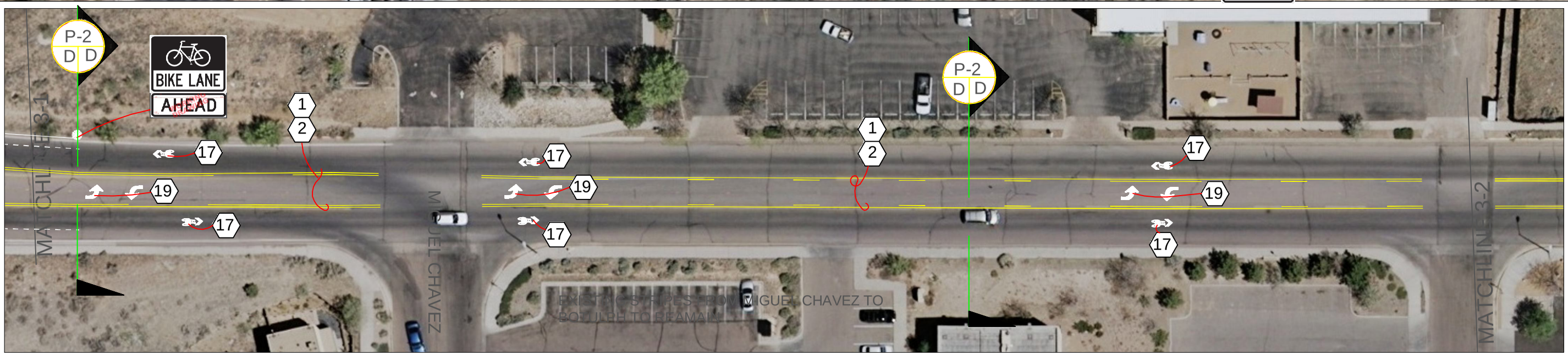

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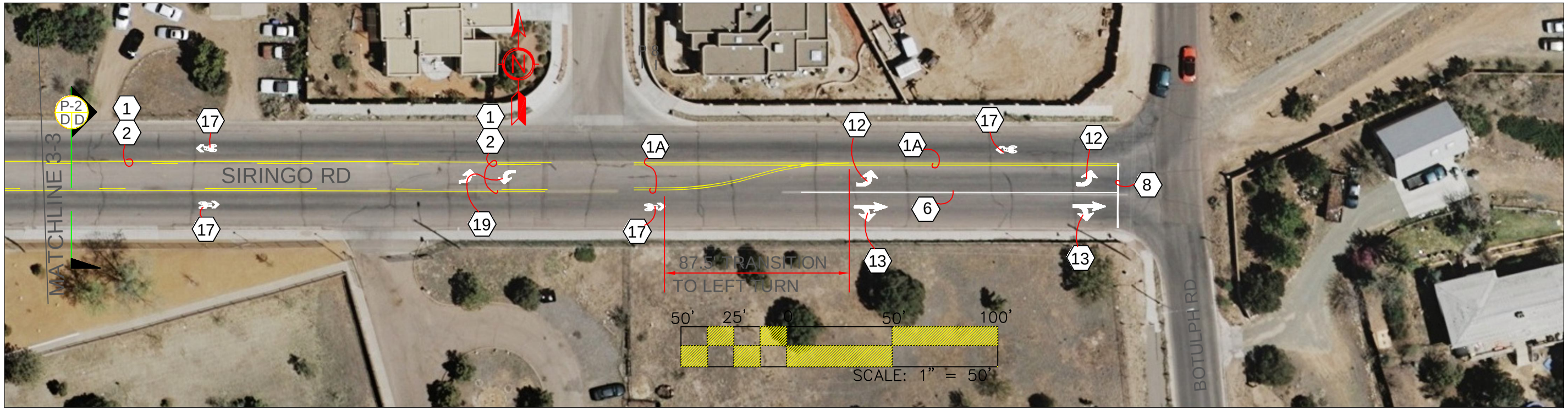

ESTIMATED QUANTITIES	UNIT	QUANTITY		
OBLITERATE 4" W EQUIV PAINTED LINE	LF	3504		
OBLITERATE PREFOMRED PAVEMENT MARKINGS	SF	200		
4" EQUIV YELLOW PAINT	LF	4,090		
4" WHITE PREFORMED STRIPE	LF	1,294		
4" YELLOW PREFORMED STRIPE	LF	2,014		
8" WHITE PREFORMED STRIPE	LF	240		
8" YELLOW PREFORMED STRIPE	LF	306		
12 WHITE PREFORMED STRIPE	LF	232		
PRE-FORMED LEFT TURN ARROW	EA	16	x24	384 sf
PRE-FORMED RIGHT TURN ARROW	EA	2	x24	48 sf
PRE-FORMED THRU ARROW	EA	4	x14	56 sf
PRE-FORMED COMBINATION RT/THRU ARROW	EA	2	x 38	76 sf
PRE-FORMED BIKE SYMBOL W/ ARROW	EA	7	x 28	196 sf
PRE-FORMED BIKE SHARROW	EA	14	x 32	448 sf

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PAGE 4

CITY OF SANTA FE - ENGINEERING DIVISION

INSTALLATION OF NEW BIKE LANES ON SIRININGO ROAD FROM ST. FRANCIS TO BOTULPH RD.

ENGINEERS ESTIMATE

12-Apr-16

	STATE OF NEW MEXICO GENERAL SERVICES DEPARTMENT PRICE AGREEMENT #60-805-16-13992			SIRINGO RD. From St. Francis to Botulph	
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE		AMOUNT
057	Placement of reflectorized high-durable acrylic traffic painted markings installed at 22 to 25 mils wet film thickness for District 5, 4 in stripe, white and yellow	LF	$0.0693	4100	$284.13
057	4" REFLECTORIZED PAINTED MARKINGS yellow	LF	$0.0693	4090	$283.44
065	Obliteration of existing long line pavement markings in Santa Fe 4-6 inch stripe	LF	$0.5000	3504	$1,752.00
066	Obliteration of existing pavement markings (Legends, Symbols, Stop Bars & Crosswalks) in Santa Fe	SF	$3.0000	200	$600.00
067	Mobilization for obliteration of pavement markings for District 5	MILE	$2.7500	60	$165.00
.68	Layout of unmarked roadways, and auxiliary lanes to include left and right lanes, and acceleration and deceleration lanes in Santa Fe. This item will be measured by the linear foot of center line stripe or length of auxiliary lanes(s) Mobilization included.	LF	$0.0300	3000	$90.00
	STATE OF NEW MEXICO GENERAL SERVICES DEPARTMENT PRICE AGREEMENT #50-805-15-13228				
038	Materials and Placement of Durable Plastic Reflective Preformed Patterned Pavement Stripe 4" white. 3M IES 380 intersection grade	LF	$2.2500	1774	$3,991.50
038	Materials and Placement of Durable Plastic Reflective Preformed Patterned Pavement Stripe 4" yellow 3M IES 380 intersection grade	LF	$2.2500	2626	$5,908.50
041	Materials and Placement of Durable Plastic Reflective Preformed Patterned Pavement Stripe 12" white 3M IES 380 intersection grade	LF	$7.0000	232	$1,624.00
042	Materials and Placement of Durable Plastic Reflective Preformed Patterned Pavement Stripe 24" white 3M IES 380 intersection grade	LF	$14.0000	0	$0.00
043	Materials and Placement of Durable Plastic Reflective Preformed Patterned Pavement Markings (legends and symbols) 3M IES 380 intersection grade	SF	$15.0000	1208	$18,120.00
046	Mobilization Required to Complete Work (one-way, one-time continuous travel within the state of New Mexico by Contractors crew to reach each site. mileage to be verified by map miles by shortest or most reasonable routes of travel)	MILE	$5.0000	60	$300.00
047	Traffic Control (Urban) (within the corporate limits of urban areas with 20,000 population and over) required to complete work. To include all signing and traffic channelization devices for adequate handling of traffic (not including shadow vehicle).	HOUR	$55.0000	15	$825.00
		TOTAL			$33,943.57
		NEW MEXICO GRT 8.3125%			$2,821.56
		GRAND TOTAL			$36,765.13