



Transportation Alternatives / CMAQ Application for
FY 2018, 2019, and 2020 Projects

Connecting the Gap on Roeser Road: 32nd Street to 36th Street Bicycle & Pedestrian Improvements

Phoenix

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 21, 2015 at 10:00 a.m.**

(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Phoenix: Connecting the Gap on Roeser Road: 32nd Street to 36th Street Bicycle & Pedestrian Improvements**PART A - CONTACT AND PROJECT DESCRIPTION****Contact Information**

1. Name of Sponsoring Agency	Phoenix
2. Agency Contact Name	Eileen Yazzie
3. Phone Number of Agency Contact	602.534.5692
4. E-Mail Address of Agency Contact	eileen.yazzie@phoenix.gov
5. Mailing Address of Agency Contact	200 W. Washington, 5th Floor Phoenix, AZ 85003

Project Description

6. Please provide the Project Title.	Connecting the Gap on Roeser Road: 32nd Street to 36th Street Bicycle & Pedestrian Improvements
7. Please provide a concise, specific description of the project (250 character limit):	Design and construct pedestrian improvements on south side and stripe bicycle lanes on both sides.
8. Please provide the project limits:	Roeser Road: 32nd Street to 550 Ft. East of 36th Street (@ the San Francisco Canal)

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PART B-DETAILED PROJECT DESCRIPTION

This part of the form identifies the current characteristics and proposed improvements for each project.

The purpose of Part B is to provide sufficient information to evaluate the cost estimate for the project and to provide assurance that the project will be capable of meeting the ADOT administered federal design review and clearance process. This process requires environmental, ROW and utilities clearances and a bid ready design prior to FHWA approval to encumber federal funding for construction.

NOTE: For Part B, Questions 14-20, the specified distance will vary (and update automatically) depending on the project type identified in Part B, Question 1. Pedestrian-only projects will use a distance of 1/4 mile, while bicycle and Shared-Use projects will use a distance of 1/2 mile.

1. Please select which funding source(s) this project is applying for. Check all that apply.

- Congestion Mitigation and Air Quality (CMAQ)
- Transportation Alternatives (TA)

2. What type of project is this? (Check all that apply)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Bicycle Lane (4' min. w/o curb/gutter) | <input type="checkbox"/> Shoulder paving is within 4-miles of a PM-10 Monitor |
| <input checked="" type="checkbox"/> Bicycle Lane (5' min. with curb/gutter) | <input type="checkbox"/> Wide Sidewalk (8' min.) |
| <input type="checkbox"/> Buffered Bike Lane | <input type="checkbox"/> Detached Sidewalk with 4' min. buffer |
| <input type="checkbox"/> Protected Bike Lane | <input type="checkbox"/> Signalized Crossing |
| <input type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input checked="" type="checkbox"/> Sidewalk (5' min.) | <input type="text"/> |
| <input type="checkbox"/> Planning Study | |

3. What other major elements are included in this project? (Check all that apply)

- | | |
|--|----------------------|
| <input type="checkbox"/> Bridge (overpass) | Other: |
| <input type="checkbox"/> Tunnel (underpass) | <input type="text"/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input type="checkbox"/> Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|---|--|
| <input type="checkbox"/> Number of Bike racks/lockers | <input type="checkbox"/> Number of Seating/Rest Area(s) |
| <input type="checkbox"/> Number of Drinking Fountains | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Way-finding Signs | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Trash receptacles | Other: |
| <input type="checkbox"/> Number of Trees | <input type="text"/> |
| <input type="checkbox"/> Number of new openings in street walls | |
| <input type="checkbox"/> Number of Shade Structures | |

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PART B-DETAILED PROJECT DESCRIPTION

5. Please describe the existing condition of the project site and any problem(s) being addressed.

Roeser Rd. between 32nd Street and 550 Ft. East of 36th Street (San Francisco Canal) is a two lane roadway with no bicycle facilities, no sidewalks on the south side, and intermittent sidewalks on the north side. The north side of the street is all commercial/industrial complexes and on the south side is a City of Phoenix public park, Esteban Park, which has baseball diamonds; basketball, volleyball, and tennis courts; a playground; lighted softball fields, soccer, rugby fields, and restrooms.

There are currently bike lanes on Roeser Road from 7th Avenue to 32nd Street, then they are non-existent from 32nd Street to 550 Ft. East of 36th Street (San Francisco Canal). Just east of the San Francisco Canal, the bike lanes begin again, and continue to 48th Street.

The right of way for the street in this segment, is 58 feet, while the vehicle lanes take only 23 feet and the sidewalks on the north side are 6 feet. There is a large dirt shoulder on the south side.

6. Please describe the work being done and improvements being made as part of this project.

The City of Phoenix is proposing to add a new sidewalk facility to the south side (including curb and gutter), and add stripe bicycle lanes to both sides on Roeser Road between 32nd Street to 550 Ft. East of 36th Street (@ the San Francisco Canal). This would require adding at least 10 feet to the roadway for bicycle lanes.

7. What do you hope to achieve with this project?

As noted in the project title, this project will complete the missing gap for bicyclists and pedestrians along the Roeser Road Corridor. Funding this project would complete a 4 block gap in the bicycle lanes and sidewalks (on the southside) that currently exist for 6 miles along the corridor, between 7th Avenue to 48th Street along the corridor. This project would continue the connected, low-stress environment for bicyclists and pedestrians on the 2 lane roadway.

Additionally, ADOT is planning to work with the City of Tempe to install a bike/ped bridge over the I-10 freeway at the Alameda/Roeser Road alignment. And the City of Tempe is currently designing a bicycle improvement along Alameda Road. Funding this City of Phoenix project, would provide continuous connectivity between Tempe and Phoenix in the future, once the bike/ped bridge is built.

8. Safety improvements to be included for this project: (Check all that apply)

- | | | |
|--------------------------|---|--------------------------------|
| <input type="checkbox"/> | Medians with pedestrian crossing islands | <input type="checkbox"/> Other |
| <input type="checkbox"/> | Roadway Reconfiguration (Road Diet) | |
| <input type="checkbox"/> | Striping/re-striping to narrow vehicle lanes | |
| <input type="checkbox"/> | Color pavement or similar treatment | |
| <input type="checkbox"/> | Lighting | |
| <input type="checkbox"/> | Landscape buffer between sidewalk and roadway | |
| <input type="checkbox"/> | Rectangular Rapid Flash Beacon (RRFB) | |
| <input type="checkbox"/> | Driver Feedback Sign | |

Phoenix : Connecting the Gap on Roeser Road: 32nd Street to 36th Street Bicycle & Pedestrian Improvements

PART B-DETAILED PROJECT DESCRIPTION

9. Does this project include a road safety education component?

- Yes
- No

Please Explain:

10. How does this project or planning study address safety?

Roeser Road has continuous bike lanes and sidewalks on the south side for 6 miles, with the exception between 32nd Street and 500 feet east of 36th street. This project would complete the missing link for these facilities and create the clear delination between bicyclists, pedestrians, and vehicles that is currently missing.

11. How does the project improve ADA facilities for persons with disabilities?

The sidewalks will be done to ADA standards and include ADA ramps at appropriate locations.

12. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:

The accessibility for the neighborhoods on the east and west sides of the proposed project would greatly improve, as there are no bicycle lanes, nor sidewalk in this section of Roeser Road. These residents would be able to better access the park, the corridor, and the intersecting streets between 7th Avenue and 48th Street safer.

13. How does the project create a sense of place?

This project is adjacent to the City of Phoenix Esteban Park. Adding bike lanes and a sidewalk would add to the healthy lifestyle and active programs that are already occuring at the park.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Roeser Road has continuous bike lanes and sidewalks on the south side for 6 miles, with the exception between 32nd Street and 500 feet east of 36th street (the proposed project limits).

Project connects to other local bikeways

List of connected bikeways:

Roeser Road: 7th Ave to 32nd Street bike lanes, Roeser Road 500 Ft. east of 36th to 48th Street bike lanes, 48th Street bike lanes, 24th Street bike lanes, 7th Street bike lanes, Central Avenue bike lanes, 7th Avenue bike lanes.

Multi Jurisdictional Project (please include letter of support (See Part C)

List of Participating Jurisdictions:

Total length of bikeways directly connected by this project (in miles)

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PART B-DETAILED PROJECT DESCRIPTION

15. Number of transit stops this project will connect to. Do NOT count major transit facilities (park and rides, transit centers, etc.) in this question. List associated route(s) and their peak frequency, using Valley Metro as the source.

Within 1/2 mile

16. Number of transit routes serviced by the transit stops in question 15 that this project will connect to. List associated route(s) and their peak frequency, using Valley Metro as the source.

Within 1/2 mile

List routes and frequency:

Route 52: Roeser - 30 minute weekday & 60 minute weekend

Route 30: University - 30 minute weekday & 60 minute weekend

17. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:

Within 1/2 mile

List:

18. Number of non-commercial activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

Within 1/2 mile

List:

Esteban Park

Tuhavi Park

19. Number of commercial and employment destinations (malls, retail centers, business parks, etc.) this project will benefit (for example, a mall is ONE destination; do NOT count every store in a mall as a separate destination):

Within 1/2 mile

List:

6 Business/Industrial Parks: Southern Garden Industrial Park, Wells Industrial Park, Atlanta Industrial Park, First AZ Industrial Park, Park 40 Industrial Park, and the Valley Commerce Center

20. Number of K-8 public schools this project will benefit:

Within 1/2 mile

List:

21. Number of other schools (charter schools, high schools, colleges, and universities) this project will benefit:

Within 1/2 mile

List:

1 school - Brooks Academy

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PART B-DETAILED PROJECT DESCRIPTION

22 Number of activity centers for air quality cost effectiveness (i.e. bank, church, hospital, health care facility, light rail station, park-and-ride lot, office park, post office, public library, shopping area, grocery store, university or junior college):

Within 1/4 miles

List:

1/4 miles to 1/2 miles

List:

6 Business/Industrial Parks: Southern Garden Industrial Park, Wells Industrial Park, Atlanta Industrial Park, First AZ Industrial Park, Park 40 Industrial Park, and the Valley Commerce Center. 1 school - Brooks Academy.

23. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

Use the MPO/COG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom Summary." Next, select "Corridor of Interest." Left-click to begin drawing. Draw a line through all census block groups adjacent to your project, left-clicking where needed to change the direction of the line. Double-click to finish drawing the line. The selected census block groups will become highlighted in blue. A pop-up box will appear with "Results for Selected Block Groups." Select the "Summary Report" tab, and use the data found there. You may export the results to Excel (click the printer icon at the top-right side of the pop-up window) for your records.

24. Please provide the following information on the facility on which the improvement will be located.

For a linear project, please enter the Facility Name, Starting Limit and Ending Limit:

Roeser Road: 32nd Street to 550 Ft. East of 36th Street (@ the San Francisco Canal)

For a point project (e.g. an intersection or crossing), please enter a Facility Name and a Crossing Feature:

Federal Functional Classification of the Facility:

Major Collector

[Link to MAG webpage for Federal Functional Classification Map](#)

Type of Facility the Improvement will be located on:

Collector Road

Length (in Miles)

Posted Speed Limit (MPH)

Number of Travel Lanes Before Project

Number of Travel Lanes After Project

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PART B-DETAILED PROJECT DESCRIPTION

25. Please provide an estimated traffic volume (ADT) on the nearest parallel arterial.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology and Source used for the ADT Estimate

Pneumatic tubes - Average Daily Traffic (ADT) is calculated by first calibrating the traffic count by month/day to account for daily and seasonal fluctuations in traffic. ADT may not represent the actual count taken on a particular day but instead has been adjusted to represent anticipated traffic flow on an average day throughout the year. The daily factors are calculated by first averaging the bi-directional traffic volume totals for the 12 full weeks of each weekday. The factor is that average divided by the sum of each of the 12 instances of a weekday day.

26. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete.

Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

27. Current ROW: (Check all that apply)

- | | | | |
|-------------------------------------|----------------------------|--------------------------|--------------------------------------|
| <input checked="" type="checkbox"/> | Agency owns all ROW Needed | <input type="checkbox"/> | Agency owns easement |
| <input type="checkbox"/> | ROW to be acquired | <input type="checkbox"/> | Agency has right-of-use (i.e. canal) |
| <input type="checkbox"/> | Owners will donate ROW | <input type="checkbox"/> | Condemnation may be required |

28. Please describe any right of way issues associated with the project.

29. Please indicate whether all parcels for this project have been inventoried.

Yes No

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PART B-DETAILED PROJECT DESCRIPTION

30. Current Utilities in or abutting the alignment: (Check all that apply)

<input type="checkbox"/>	No Utility in or abutting the alignment	<input type="checkbox"/>	Private Structures
<input checked="" type="checkbox"/>	Canals & Drainage		
<input checked="" type="checkbox"/>	Power Lines & Cables	Other:	
<input checked="" type="checkbox"/>	Pipelines, Sewer and Water	<input type="text"/>	

31. Please describe any utility conflicts that will need to be addressed.

There are power lines on the north side. There are no proposed improvements that would affect the powerlines on the north side of the street. All improvements are on the south side. On the south side, there is an open drainage/floodway on the most eastern part of the project, for only 375, that will need to be addressed in the design.

32. Guidelines used to develop project: (Check all that apply)

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other: <input type="text"/>
<input type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	
<input checked="" type="checkbox"/>	MAG Complete Streets Guide	
<input type="checkbox"/>	MAG Designing Transit Accessible Communities	
<input type="checkbox"/>	MAG Valley Path Brand & Wayfinding Signage Guidelines	
<input type="checkbox"/>	NACTO Urban Bikeway Design Guide	
<input type="checkbox"/>	RPTA Bus Stop Program and Standards	

33. Jurisdiction has the following policies for improved bicycle/shared use facilities:

With new development and capital improvement projects, bike lanes on arterial streets are:	<input type="text" value="Not Addressed"/>
With new development and capital improvement projects, bike lanes on collector streets are:	<input type="text" value="Not Addressed"/>
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	<input type="text" value="Recommended"/>
With new development or during development retrofits, shared-use paths are:	<input type="text" value="Recommended"/>
Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="Yes"/>
Complete Streets Policy	<input type="text" value="Yes"/>

34. The project is: (Check one)

<input checked="" type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
	List: <input type="text" value="Identified in the City of Phoenix Bicycle Master Plan as priority #26"/>
<input type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source)
	Explain: <input type="text"/>
<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices
	Explain: <input type="text"/>

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PART B-DETAILED PROJECT DESCRIPTION

35. How will the applicant measure the success of this project?

The City of Phoenix is planning to utilize the MAG Bicycles Count program bike counters and will do a before an after count.

36. Will bicycle/pedestrian count technology be incorporated? Will the devices broadcast automatic updates or require manual data collection? If manual, how will the agency identify staff resources to dedicate to collecting the data?

No

37. Will the project include an education/marketing component upon completion of construction, to publicize the project and increase citizen awareness of the project impact and benefits? If yes, please describe below.

City of Phoenix communicates completed projects via it's website and social media outlets.

38. Will the project include wayfinding signage elements? If yes, please describe below.

No.

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PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM											
Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.											
Sponsoring Agency:		Phoenix	Project Title:		Connecting the Gap on Roeser Road: 32nd Street to 36th Street Bicycle & Pedestrian Improvements		Application Date:		9/17/2015		
Part	Item Description			Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
A. Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY			LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00	
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN			LS	1	\$8,000.00	\$8,000.00	No	\$0.00	\$8,000.00	
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)			LS	1	\$15,000.00	\$15,000.00	No	\$0.00	\$15,000.00	
	4. HAZMAT ASSESSMENT			LS	1	\$2,000.00	\$2,000.00	No	\$0.00	\$2,000.00	
	Subtotal Scoping (Part A)						\$30,000.00		\$0.00	\$30,000.00	
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.			LS	1	\$50,000.00	\$50,000.00	No	\$0.00	\$50,000.00	
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report			LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00	
	3. DRAINAGE REPORT			LS	1	\$15,000.00	\$15,000.00	No	\$0.00	\$15,000.00	
	4. SWPPP			LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00	
	Subtotal PE (Part B)						\$73,000.00		\$0.00	\$73,000.00	
Subtotal Preliminary Engineering (Part A + Part B)							\$103,000.00		\$0.00	\$103,000.00	
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition			LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00	
Subtotal Right-of-Way Acquisition (Part C)							\$3,000.00		\$0.00	\$3,000.00	
D. Utility Relocation	1. Utility Relocation			LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00	
Subtotal Utility Relocation (Part D)							\$3,000.00		\$0.00	\$3,000.00	
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPPP Measures		LS	1	\$3,000.00	\$3,000.00	Yes	\$2,829.00	\$171.00	
		Site Preparation		LS	1	\$7,500.00	\$7,500.00	Yes	\$7,072.50	\$427.50	
		Demolition	Sawcut	LF	1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
			Remove Structures and Obstructions	LS	1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
			Remove Fencing	LF	1		\$0.00	Yes	\$0.00	\$0.00	
			Remove Structural Concrete	CY	1		\$0.00	Yes	\$0.00	\$0.00	
			Remove Asphaltic Concrete Pavement	CY	2,500	\$8.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
			Remove Concrete Sidewalks, Slabs	CY	0		\$0.00	Yes	\$0.00	\$0.00	
		Hazmat Abatement		LS	1		\$0.00	Yes	\$0.00	\$0.00	
		Retaining Wall - Reinforced Concrete Cantilevered		SF	1		\$0.00	Yes	\$0.00	\$0.00	
		Earthwork	General Excavation	CY	3,000	\$6.00	\$18,000.00	Yes	\$16,974.00	\$1,026.00	
			Drainage Excavation	CY	375	\$8.00	\$3,000.00	Yes	\$2,829.00	\$171.00	
			Structural Excavation	CY	1		\$0.00	Yes	\$0.00	\$0.00	
			Structural Backfill	CY	1		\$0.00	Yes	\$0.00	\$0.00	
			Borrow (In Place)	CY	1		\$0.00	Yes	\$0.00	\$0.00	
		Curb & Gutter		LF	3,300	\$30.00	\$99,000.00	Yes	\$93,357.00	\$5,643.00	
		Aggregate Base		CY	3,300	\$13.00	\$42,900.00	Yes	\$40,454.70	\$2,445.30	
		Pathway Or Sidewalk Materials	Concrete	SF	15,000	\$4.50	\$67,500.00	Yes	\$63,652.50	\$3,847.50	
			Colored Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00	
			Stamped Color Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00	
			Precast Concrete Pavers	SF	1		\$0.00	Yes	\$0.00	\$0.00	
			Asphaltic Concrete	Ton	1		\$0.00	Yes	\$0.00	\$0.00	
			Polymer or Resin Stabilized Surface	SF	1		\$0.00	Yes	\$0.00	\$0.00	
		Crosswalk Enhancement	Concrete Pavers	SF	1		\$0.00	Yes	\$0.00	\$0.00	
			Stamped Asphalt	SF	1		\$0.00	Yes	\$0.00	\$0.00	
			Stamped Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00	
			Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00	
		Integral Color Concrete		SF	1		\$0.00	Yes	\$0.00	\$0.00	
		Pedestrian ADA Ramp		SF	10	\$10.00	\$100.00	Yes	\$94.30	\$5.70	
		Culvert Extensions		LF	1		\$0.00	Yes	\$0.00	\$0.00	
Pedestrian Lighting Including Conduit And Trenching		Each	1		\$0.00	Yes	\$0.00	\$0.00			
Handrail	Standard	LF	1		\$0.00	Yes	\$0.00	\$0.00			
	Decorative	LF	1		\$0.00	Yes	\$0.00	\$0.00			
Subtotal Hardscape Construction							\$281,000.00		\$264,983.00	\$16,017.00	

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PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

Sponsoring Agency:	Phoenix	Project Title:	Connecting the Gap on Roeser Road: 32nd Street to 36th Street Bicycle & Pedestrian Improvements	Application Date:	9/17/2015
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements	Each	50	\$350.00	\$17,500.00	Yes	\$16,502.50	\$997.50	
		Trees (15 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Trees (5 Gallon Size)	Each	1		\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (5 Gallon Size)	Each	50	\$15.00	\$750.00	Yes	\$707.25	\$42.75	
		Shrubs (1 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Cactus (5 Gallon Size)	Each	1		\$0.00	Yes	\$0.00	\$0.00	
		Mulch	Decomposed Granite	CY	50	\$85	\$4,250	Yes	\$4,008	\$242
			Organic	CY	1		\$0	Yes	\$0	\$0
		Structural Soil		CY	250	\$100	\$25,000	Yes	\$23,575	\$1,425
		Seeding		Acre	1		\$0	Yes	\$0	\$0
		Turf Sod		SY	1		\$0	Yes	\$0	\$0
		Boulders		Each	1		\$0	Yes	\$0	\$0
		Irrigation System	Drip	SF	1	\$35,000.00	\$35,000	Yes	\$33,005	\$1,995
			Turf	SF	1		\$0	Yes	\$0	\$0
			Directional Bore	LF	1		\$0	Yes	\$0	\$0
		Sleeving For Irrigation System	Cut and Patch	LF	1		\$0	Yes	\$0	\$0
		Landscape Header Curb		LF	200	\$15.00	\$3,000	Yes	\$2,829	\$171
		Landscape Establishment		LS	1	\$20,000.00	\$20,000	Yes	\$18,860	\$1,140
	Subtotal Landscaping & Irrigation Items					\$105,500		\$99,487	\$6,014	
	3. Site Furnishings	Benches	Each	1		\$0	Yes	\$0	\$0	
		Seatwalls	LF	1		\$0	Yes	\$0	\$0	
		Bike Racks	Each	1		\$0	Yes	\$0	\$0	
		Trash Receptacles	Each	1		\$0	Yes	\$0	\$0	
		Drinking Fountains	Each	1		\$0	Yes	\$0	\$0	
		Signage (Standard Traffic Control)	Each	1		\$0	Yes	\$0	\$0	
		Signage (Wayfinding)	Each	1		\$0	Yes	\$0	\$0	
		Tree Grates	Each	1		\$0	Yes	\$0	\$0	
		Subtotal Site Furnishings					\$0		\$0	\$0
		4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter	Each	1		\$0	Yes	\$0	\$0
	Asphalt Concrete Base		Ton	2,000	\$95.00	\$190,000	Yes	\$179,170	\$10,830	
	Asphalt Concrete Surface Course		Ton	750	\$95.00	\$71,250	Yes	\$67,189	\$4,061	
	New Storm Drain (24" to 30") RGRCP		LF	375	\$85.00	\$31,875	Yes	\$30,058	\$1,817	
						\$0	Yes	\$0	\$0	
						\$0	Yes	\$0	\$0	
				1		\$0	Yes	\$0	\$0	
				1		\$0	Yes	\$0	\$0	
				1		\$0	Yes	\$0	\$0	
	Subtotal Other Construction					\$293,125		\$276,417	\$16,708	
	5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	\$0.00	\$0	No	\$0	\$0	
		Traffic Control	LS	1	\$13,000.00	\$13,000	Yes	\$12,259	\$741	
		Construction Survey & Layout	LS	1	\$50,000.00	\$50,000	Yes	\$47,150	\$2,850	
		Construction Contingencies	LS	1	\$100,000.00	\$100,000	Yes	\$94,300	\$5,700	
		Construction Administration	LS	1	\$100,000.00	\$100,000	Yes	\$94,300	\$5,700	
		Subtotal Mobilization & Administration Costs					\$263,000		\$248,009	\$14,991
	Subtotal Construction Or Implementation Cost (Part E)							\$942,625	\$888,895	\$53,730
F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)							\$1,051,625	\$888,895	\$162,730	
G. Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,000							\$10,000	\$0	\$10,000	
H. Total Project Cost Including ADOT Fees (Part F + Part G)							\$1,061,625	\$888,895	\$172,730	

Phoenix: Connecting the Gap on Roeser Road: 32nd Street to 36th Street Bicycle & Pedestrian Improvements

PART E - TOTAL PROJECT SCHEDULE AND BUDGET

Please verify that the cost and programming estimates for the total project are correct below. The numeric values on this sheet (in GREY) are automatically populated from the cost estimate sheet (Part D) and cannot be modified. If there are any errors in the numeric values on this sheet, please verify and correct the numbers you have entered into the cost estimate sheet (Part D). You MUST fill in the GREEN portions of Part E manually.

The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified in questions 24-27 in Part B.

Cost Estimate for the Project Including ALL Segments	Cost	Additional Notes (if needed)
1. ADOT Fee	\$10,000	
2. Design	\$103,000	
3. Right of way	\$3,000	
4. Utilities	\$3,000	
5. Construction	\$942,625	
6. Contingency	\$100,000	Currently included in the Construction cost. No more than 20% of Construction Cost
7. Total Cost	\$1,061,625	

8. Will the agency maintain the improvement after it is completed?

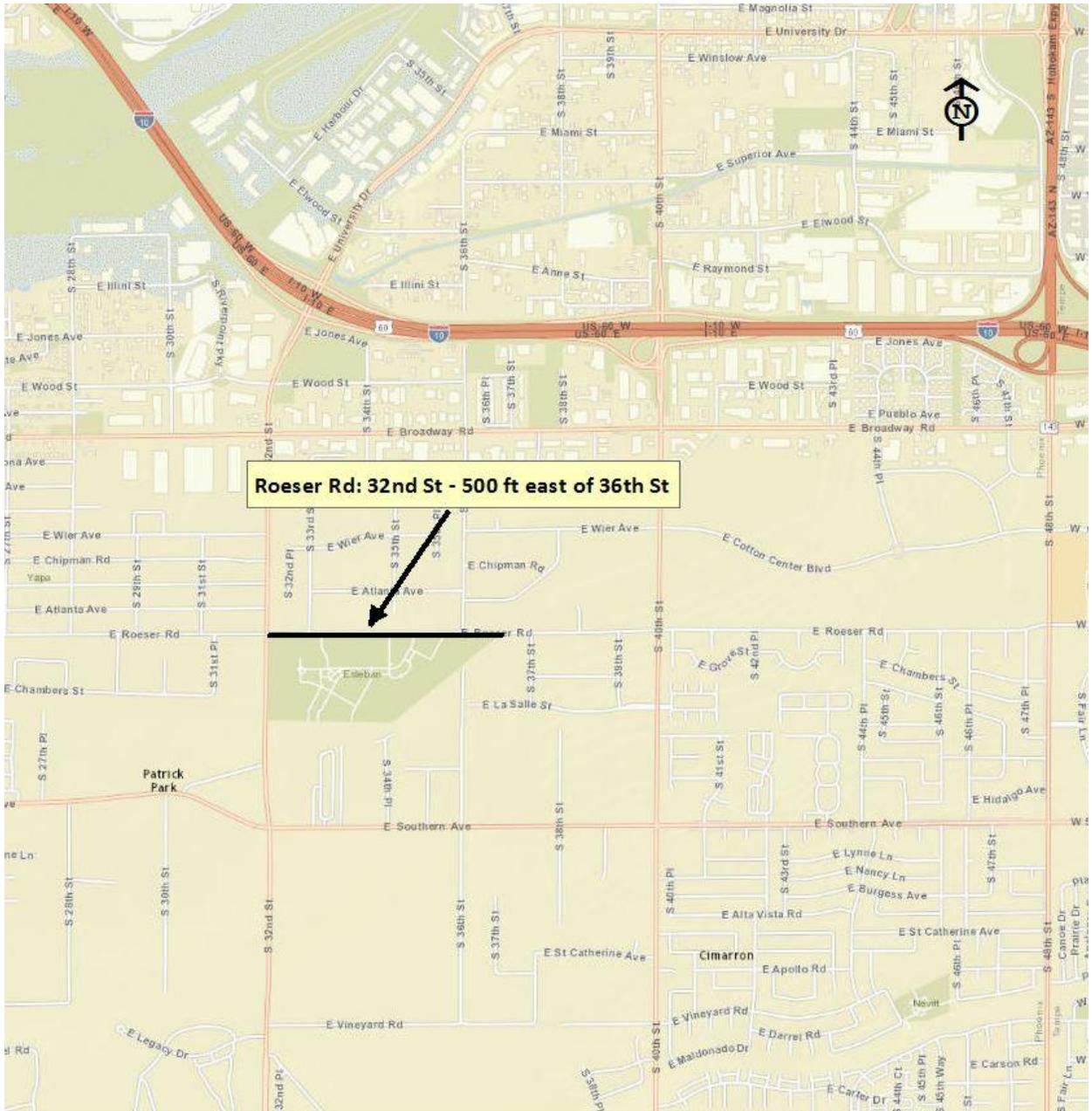
9. Expected Annual Maintenance Cost

10. Identify Source of Maintenance Funds

Requested MAG Programming	Year	Short Work Description (E.g. Construct Multiuse Path)	Local Funding Source	Local Cost	Federal Cost	Total Cost	Local Share
11. Design (Optional)	2017		Capital Construction Funds (CCF)	\$103,000	Not Available	\$103,000	100.0%
12. Right of way (Optional)			Capital Construction Funds (CCF)	\$3,000	Not Available	\$3,000	100.0%
13. Utilities (Optional)			Capital Construction Funds (CCF)	\$3,000	Not Available	\$3,000	100.0%
14. Other (Optional)			Capital Construction Funds (CCF)	\$10,000	Not Available	\$10,000	100.0%
15. Construction	2019		Capital Construction Funds (CCF)	\$53,730	\$888,895	\$942,625	5.7%
16. Total Costs				\$172,730	\$888,895	\$1,061,625	16.3%

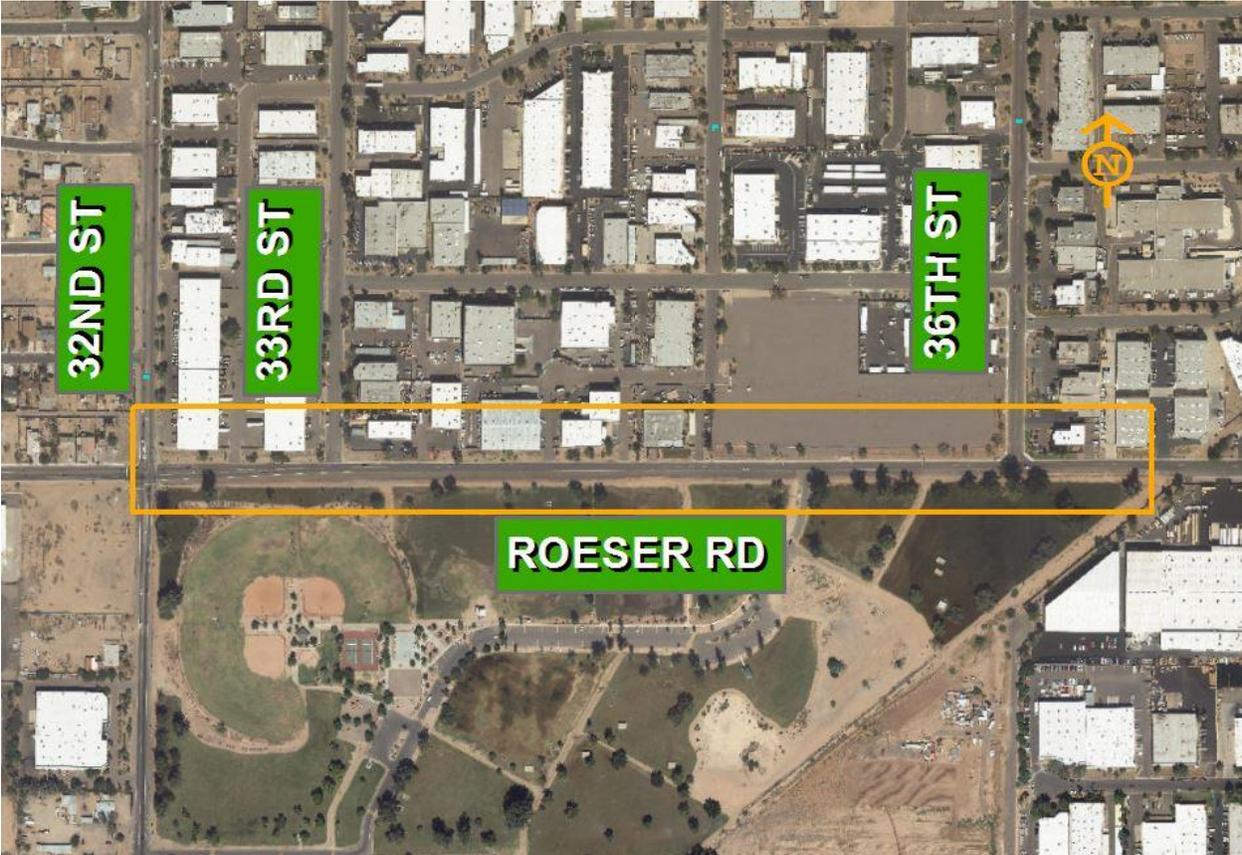
PART F - SIGNATURE AND CHECKLIST	
Checklist	
This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.	
COVER SHEET	Complete?
Cover Sheet is completely filled out	✓
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	✓
Project Description, fields 6 - 8 are complete	✓
PART B - Project Description	Complete?
Fields 1 - 14 (Project Description) are complete	✓
Fields 15 - 17 (Transit) are complete	✓
Fields 18 – 22 (Attractors and Demographics) are complete	✓
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete	✓
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete	✓
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete	✓
PART C - Required Attachments	Complete?
Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.	✓
Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.	✓
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).	✓
Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.	✓
(OPTIONAL) - Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.	
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.	
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	
PART D - Cost Estimate Worksheet	Complete?
Sponsoring Agency, Project Title, and Application Date are complete	✓
Part A - Scoping is complete	✓
Part B - Final Preliminary Engineering Design is complete	✓
Part C - Right-of-Way Acquisition is complete	✓
Part D - Utility Relocation is complete	✓
Part E - Construction or Implementation is complete	✓
Parts F, G, and H - Costs are complete and accurate	✓
PART E - Total Project Schedule and Budget Including All Segment Fields	Complete?
Fields 1 – 7 are complete and costs are accurate	✓
Field 8 - 10 are complete	✓
Fields 11 – 15 Years are complete	✓
Fields 11 – 15 Local Funding Sources are complete	✓
Fields 11 – 15 Local Costs are complete and accurate	✓
Field 11 - 15 Federal Costs are complete and accurate	✓
Field 16 Total Costs are complete and accurate	✓
PART F - Signature and Checklist	Complete?
Entire checklist is completed.	✓
Form is signed by MAG member agency's manager/administrator or designated representative.	✓
Name, title and date fields under the signature are completed.	✓

SIGNATURE(S):	
As the MAG member agency's <u>manager/administrator or designated representative</u> , I certify that this application is accurate and complete and that the project will be included in the sponsoring MAG member agency's local CIP/TIP if the project is selected for federal funding.	
Signature:	
Name:	Name: Ray Dovalina, P.E.
Title:	Title: Street Transportation Director
Date:	Date: September 16, 2015



Roeser Rd: 32nd St - 500 ft east of 36th St

Project Map



Site Visit (September 17, 2015) Photos for Roeser Road, Bike/Ped Application

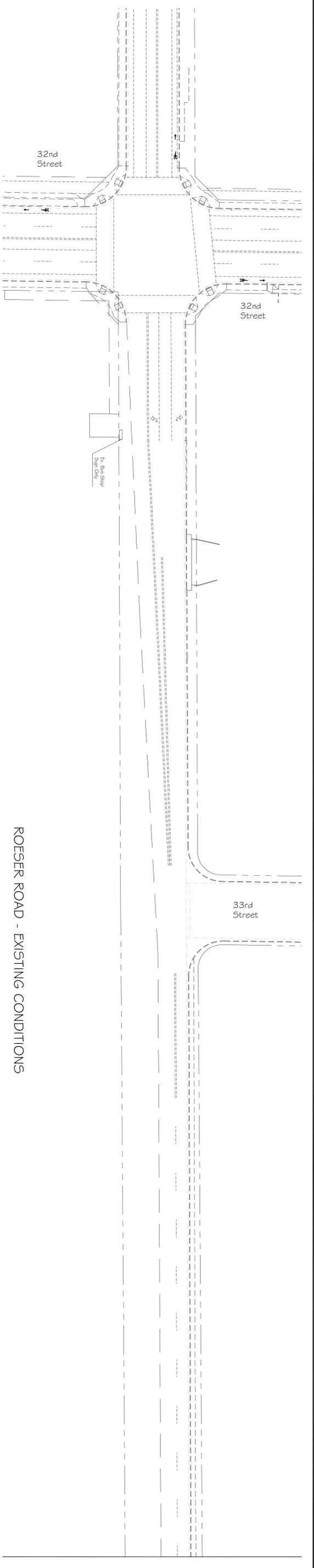




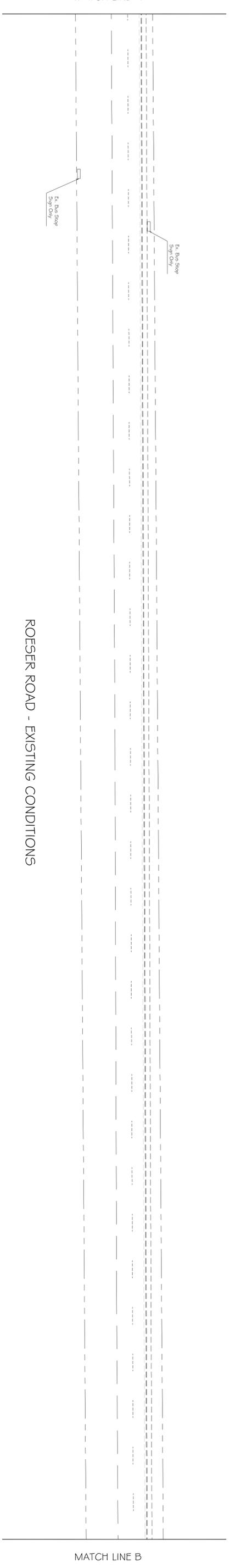




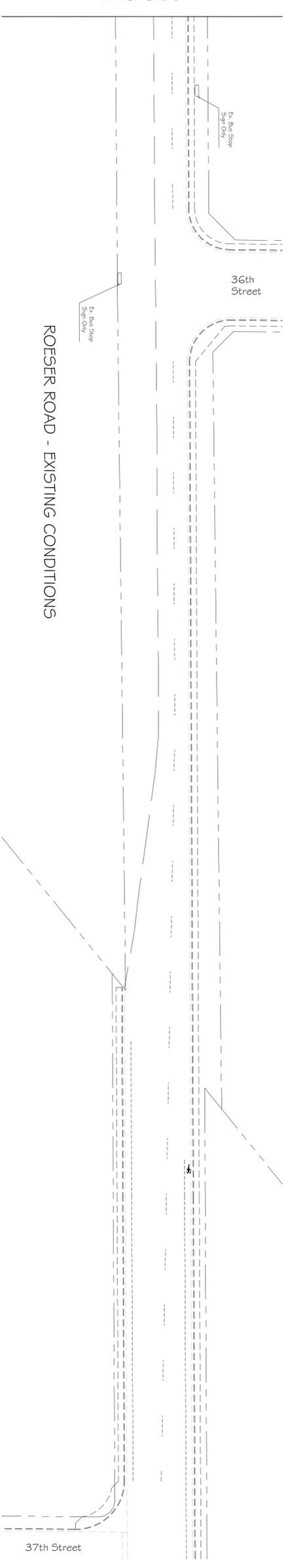
Vicinity Map



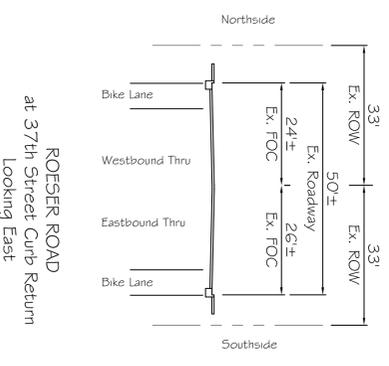
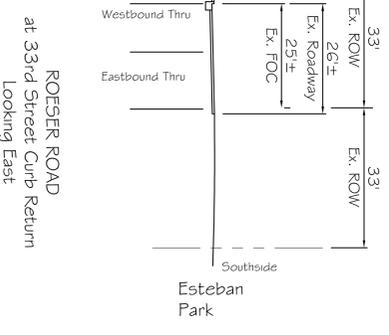
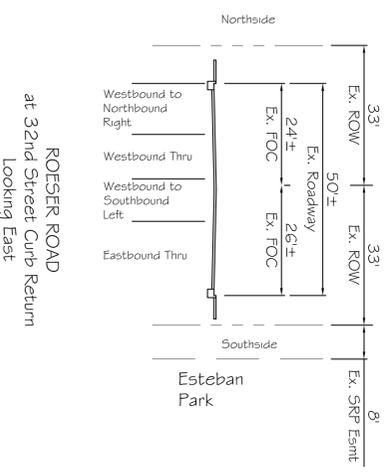
ROESER ROAD - EXISTING CONDITIONS



ROESER ROAD - EXISTING CONDITIONS



ROESER ROAD - EXISTING CONDITIONS



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CITY OF PHOENIX, ARIZONA
 STREET TRANSPORTATION DEPARTMENT
GEOMETRIC DESIGN
 ROESER ROAD
 32nd STREET TO 37th STREET
 ROADWAY IMPROVEMENTS

PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2.24, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX.

PROJECT #	10333
PRE. DESIGNED BY	CK
DATE/OCT 2015	DATE
SHEET NO.	1
TOTAL SHEETS	1
SCALE: 1" = 40'	