



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

**67TH AVENUE AND ORANGEWOOD AVENUE SIDEWALK IMPROVEMENTS**

**CITY OF GLENDALE**

**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)**

**Glendale: 67th Ave and Orangewood Ave Sidewalk Improvements****PART A - CONTACT AND PROJECT DESCRIPTION****Contact Information**

1. Name of Sponsoring Agency	Glendale
2. Agency Contact Name	Debbie Albert, P.E.
3. Phone Number of Agency Contact	623-930-2939
4. E-Mail Address of Agency Contact	dalbert@glendaleaz.com
5. Mailing Address of Agency Contact	City of Glendale - Transportation Services 6210 West Myrtle, Suite 112 Glendale, Arizona 85031

**Project Description**

6. Please provide the Project Title.	67th Ave and Orangewood Ave Sidewalk Improvements
7. Please provide a concise, specific description of the project (250 character limit):	New sidewalk and ADA ramps will be added to fill in pedestrian facility gaps. New curb and gutter and driveways will be added for access control along business frontages, collecting drainage runoff and protecting overhead power poles.
8. Please provide the project limits:	67th Avenue from Glendale Avenue and Orangewood Avenue Orangewood Avenue from 67th Avenue to US 60 (Grand Avenue)

Glendale : 67th Ave and Orangewood Ave Sidewalk Improvements

**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 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 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" value=""/>   |
| <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" value="N/A"/> |
| <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" value="N/A"/>                                       |
| <input type="checkbox"/> Number of new openings in street walls |  |
| <input type="checkbox"/> Number of Shade Structures             |  |

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

67th Avenue and Orangewood Avenue provide connectivity between the two major transportation corridors of Glendale Avenue and US 60 (Grand Avenue). A portion of Orangewood Avenue is a scalloped street with only two lanes, creating an undesirable condition for safety. Both streets have numerous gaps in pedestrian facilities where there is no sidewalk or sidewalk ramps. In those sections with no sidewalk, there is also no curb and gutter. As a result, there is no access control for business ingress and egress.

Glendale : 67th Ave and Orangewood Ave Sidewalk Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

This project will add new curb and gutter, sidewalk, sidewalk ramps and driveways, as well as half street widening for bike route striping on Orangewood Avenue.

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

This project will add curb and gutter, sidewalk and sidewalk ramps to fill in gaps for the pedestrian facilities, widen the street to provide striped bike lanes and eliminate gaps for the existing bike routes, improve safety by providing driveways for access control, and improve traffic safety and operations by eliminating the scalloped street condition.

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

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

Other

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

- Yes
- No

Please Explain:

Glendale promotes road safety education on our City website, including information such as Travel Green, GAIN Night to promote pedestrian and bicycle safety, Glendale Family Bike Ride, and other transportation education links.

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

Orangewood Avenue tapers from five to two lanes within a half mile of US 60 (Grand Avenue). With increasing traffic volumes, Orangewood Avenue will continue to experience heavy traffic delays and congestion. Adding curb and gutter on the outside of the roadway will protect pedestrians on the new sidewalk facilities. Restriping to add bike lanes will provide safety for bicyclists.

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

The project will included new sidewalk, ADA sidewalk ramps with domes and driveways to allow persons with disabilities to safely travel between Glendale Avenue and Grand Avenue. Existing sidewalk ramps that do not meet current ADA requirements will be replaced.

Glendale : 67th Ave and Orangewood Ave Sidewalk Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

There is a Summerfield Place Subdivision and other homes adjacent to 67th Avenue within the project limits, as well as a Triple T Mobile Home Park just to the east. This project will provide access with continuous sidewalk facilities from the neighborhoods to bus stops, retail centers, Glendale High School, and other nearby destinations.

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

This project will improve an older part of the City with standard roadway sections, better delineate businesses with curbs and driveways, and provide pedestrian and bicycle connectivity to major arterials.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Portions of roadway without sidewalk

Project connects to other local bikeways

List of connected bikeways:

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)

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.

11 Within 1/4 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.

2 Within 1/4 mile

List routes and frequency:

Route 70 (Glendale Ave/24th St) - 15 minutes

Route 67 (67th Ave) - 30 minutes

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

0 Within 1/4 mile

List:

Glendale : 67th Ave and Orangewood Ave Sidewalk Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

Within 1/4 mile

List:

Desert Garden Park and Lions Park, plus a future soccer complex (69th Ave and Orangewood) and a future city park (65th Ave and US 60 - Grand Ave)

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 1/4 mile

List:

Retail Center (Family Dollar/Farmers Ins./QT), Maricopa Co. Probation Depart., Glendale Plaza IV (Cricket, Dollar Store, Etc), Multi Enterprise (Food Wholesaler), Glendale Field Operations Complex

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

Within 1/4 mile

List:

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

Within 1/4 mile

List:

Glendale High School

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:

JPMorgan Chase, Super Carniceria, TASC Treatment Assessment

1/4 miles to 1/2 miles

List:

Free Methodist Church, Steps house Center for Healing, Glendale Dial-A-Ride

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## PART B-DETAILED PROJECT DESCRIPTION

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:

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:

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

Type of Facility the Improvement will be located on:

 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

The City of Glendale's Traffic Count Program provides traffic counts annually or based on available funding. The traffic count data collected is represented in Annual Average Daily Traffic (AADT) volumes around major intersections throughout the city.

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)

- Agency owns all ROW Needed
- ROW to be acquired
- Owners will donate ROW

- Agency owns easement
- Agency has right-of-use (i.e. canal)
- Condemnation may be required

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

The City needs to acquire approximately 1500 SF from one parcel that currently does not provide the required ROW width for the roadway typical section. There are no visible or known impacts within the area to be acquired.

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 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.

The only anticipated utility conflicts will be minor valve box and manhole adjustments to grade. No overhead power pole or fire hydrant relocations are anticipated.

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other:
<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	<input type="text" value="AASHTO Green Book"/>
<input 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="Required"/>
With new development and capital improvement projects, bike lanes on collector streets are:	<input type="text" value="Required"/>
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="No"/>

34. The project is: (Check one)

<input type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <input type="text"/>
<input checked="" type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <input type="text" value="The project is not currently listed in the City's CIP, but will be added if funding is secured."/>
<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 project will be considered a success if the roadways can be improved to meet the City's requirements for Arterial and Collector typical sections by adding striped bike lanes, curb and gutter and sidewalk. The improvements will improve pedestrian connectivity by installing continuous sidewalks as well as provide bike lanes.

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.

Yes, the City will include the scope, location and benefits of the project on our website, as well as public involvement during construction to keep the citizens informed.

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

No

Glendale: 67th Ave and Orangewood Ave Sidewalk Improvements

**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.

<b>Sponsoring Agency:</b>	City of Glendale	<b>Project Title:</b>	67th Ave and Orangewood Ave Sidewalk Improvements	<b>Application Date:</b>	9/21/2015
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
A. Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$2,000.00	\$2,000.00	No	\$0.00	\$2,000.00		
	<b>Subtotal Scoping (Part A)</b>						<b>\$0.00</b>	<b>\$22,000.00</b>		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$130,000.00	\$130,000.00	No	\$0.00	\$130,000.00		
	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	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	4. SWPPP	LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00		
	<b>Subtotal PE (Part B)</b>						<b>\$0.00</b>	<b>\$143,000.00</b>		
<b>Subtotal Preliminary Engineering (Part A + Part B)</b>							<b>\$0.00</b>	<b>\$165,000.00</b>		
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	1	\$6,000.00	\$6,000.00	No	\$0.00	\$6,000.00		
<b>Subtotal Right-of-Way Acquisition (Part C)</b>							<b>\$0.00</b>	<b>\$6,000.00</b>		
D. Utility Relocation	1. Utility Relocation	LS	1	\$1,500.00	\$1,500.00	No	\$0.00	\$1,500.00		
<b>Subtotal Utility Relocation (Part D)</b>							<b>\$0.00</b>	<b>\$1,500.00</b>		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	\$3,000.00	\$3,000.00	Yes	\$2,829.00	\$171.00
		Site Preparation		LS	1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00
		Demolition	Sawcut	LF	6,100	\$2.00	\$12,200.00	Yes	\$11,504.60	\$695.40
			Remove Structures and Obstructions	LS	1	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00
			Remove Fencing	LF	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Structural Concrete	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Asphaltic Concrete Pavement	CY	900	\$10.00	\$9,000.00	Yes	\$8,487.00	\$513.00
			Remove Concrete Sidewalks, Slabs	CY	0		\$0.00	Yes	\$0.00	\$0.00
		Hazmat Abatement		LS	0		\$0.00	Yes	\$0.00	\$0.00
		Retaining Wall - Reinforced Concrete Cantilevered		SF	0		\$0.00	Yes	\$0.00	\$0.00
		Earthwork	General Excavation	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Drainage Excavation	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Structural Excavation	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Structural Backfill	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Borrow (In Place)	CY	0		\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	6,100	\$20.00	\$122,000.00	Yes	\$115,046.00	\$6,954.00
		Aggregate Base		CY	1,100	\$45.00	\$49,500.00	Yes	\$46,678.50	\$2,821.50
		Pathway Or Sidewalk Materials	Concrete	SF	36,600	\$8.00	\$292,800.00	Yes	\$276,110.40	\$16,689.60
			Colored Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Stamped Color Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete	Ton	2,500	\$100.00	\$250,000.00	Yes	\$235,750.00	\$14,250.00
			Polymer or Resin Stabilized Surface	SF	0		\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement	Concrete Pavers	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Stamped Asphalt	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Stamped Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Integral Color Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
		Pedestrian ADA Ramp		SF	700	\$10.00	\$7,000.00	Yes	\$6,601.00	\$399.00
		Culvert Extensions		LF	0		\$0.00	Yes	\$0.00	\$0.00
		Pedestrian Lighting Including Conduit And Trenching		Each	0		\$0.00	Yes	\$0.00	\$0.00
		Handrail	Standard	LF	0		\$0.00	Yes	\$0.00	\$0.00
Decorative	LF		0		\$0.00	Yes	\$0.00	\$0.00		
<b>Subtotal Hardscape Construction</b>							<b>\$760,500.00</b>	<b>\$717,151.50</b>	<b>\$43,348.50</b>	

Glendale: 67th Ave and Orangewood Ave Sidewalk Improvements

**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.

<b>Sponsoring Agency:</b>	City of Glendale	<b>Project Title:</b>	67th Ave and Orangewood Ave Sidewalk Improvements	<b>Application Date:</b>	9/21/2015
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
<b>E. Construction Or Implementation</b> [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Requirements	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Trees (15 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Trees (5 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (5 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (1 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Cactus (5 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Mulch	Decomposed Granite	CY	0		\$0	Yes	\$0	\$0
			Organic	CY	0		\$0	Yes	\$0	\$0
		Topsoil		CY	0		\$0	Yes	\$0	\$0
		Seeding		Acre	0		\$0	Yes	\$0	\$0
		Turf Sod		SY	0		\$0	Yes	\$0	\$0
		Boulders		Each	0		\$0	Yes	\$0	\$0
		Irrigation System	Drip	SF	0		\$0	Yes	\$0	\$0
			Turf	SF	0		\$0	Yes	\$0	\$0
		Sleeving For Irrigation System	Directional Bore	LF	0		\$0	Yes	\$0	\$0
			Cut and Patch	LF	0		\$0	Yes	\$0	\$0
		Landscape Header Curb		LF	0		\$0	Yes	\$0	\$0
	Landscape Establishment		LS	0		\$0	Yes	\$0	\$0	
	Subtotal Landscaping & Irrigation Items					\$0		\$0	\$0	
	3. Site Furnishings	Benches	Each	0		\$0	Yes	\$0	\$0	
		Seatwalls	LF	0		\$0	Yes	\$0	\$0	
		Bike Racks	Each	0		\$0	Yes	\$0	\$0	
		Trash Receptacles	Each	0		\$0	Yes	\$0	\$0	
		Drinking Fountains	Each	0		\$0	Yes	\$0	\$0	
		Signage (Standard Traffic Control)	Each	0		\$0	Yes	\$0	\$0	
		Signage (Wayfinding)	Each	0		\$0	Yes	\$0	\$0	
		Tree Grates	Each	0		\$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	0		\$0	Yes	\$0	\$0	
		Relocate Catch Basin / Storm Drain Extension	Each	3	\$15,000	\$45,000	Yes	\$42,435	\$2,565	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
		Subtotal Other Construction					\$45,000	\$42,435	\$2,565	
	5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	80,700	\$80,700	No	\$0	\$80,700	
		Traffic Control	LS	1	114,300	\$114,300	Yes	\$107,785	\$6,515	
		Construction Survey & Layout	LS	1	15,200	\$15,200	Yes	\$14,334	\$866	
		Construction Contingencies	LS	1	152,400	\$152,400	Yes	\$143,713	\$8,687	
		Construction Administration	LS	1	76,200	\$76,200	Yes	\$71,857	\$4,343	
		Subtotal Mobilization & Administration Costs					\$438,800	\$337,688	\$101,112	
	<b>Subtotal Construction Or Implementation Cost (Part E)</b>							<b>\$1,244,300</b>	<b>\$1,097,275</b>	<b>\$147,025</b>
	<b>F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)</b>							<b>\$1,416,800</b>	<b>\$1,097,275</b>	<b>\$319,525</b>
<b>G. Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,000</b>							<b>\$30,000</b>	No	\$0	
<b>H. Total Project Cost Including ADOT Fees (Part F + Part G)</b>							<b>\$1,446,800</b>	<b>\$1,097,275</b>	<b>\$349,525</b>	

Glendale: 67th Ave and Orangewood Ave Sidewalk 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	\$30,000	
2. Design	\$165,000	
3. Right of way	\$6,000	NWC or Myrtle & 67th Ave
4. Utilities	\$1,500	Minor adjustments
5. Construction	\$1,091,900	
6. Contingency	\$152,400	20% of Construction Cost
7. Total Cost	\$1,446,800	

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)	2018	Design Sidewalk Improvements	Sales Tax	\$165,000	Not Available	\$165,000	100.0%
12. Right of way (Optional)	2019	Acquire RW (NWC or Myrtle & 67th Ave)	Sales Tax	\$6,000	Not Available	\$6,000	100.0%
13. Utilities (Optional)	2020	Utility Adjustments During Construction	Sales Tax	\$1,500	Not Available	\$1,500	100.0%
14. Other (Optional)	2018	ADOT Fee	Sales Tax	\$30,000	Not Available	\$30,000	100.0%
15. Construction	2020	Construct Half Street Improvements and Sidewalk	Sales Tax	\$147,025	\$1,097,275	\$1,244,300	11.8%
16. Total Costs				\$349,525	\$1,097,275	\$1,446,800	24.2%

## Glendale: 67th Ave and Orangewood Ave Sidewalk Improvements

**PART F - SIGNATURE AND CHECKLIST****Checklist**

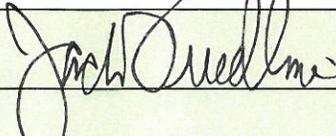
This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

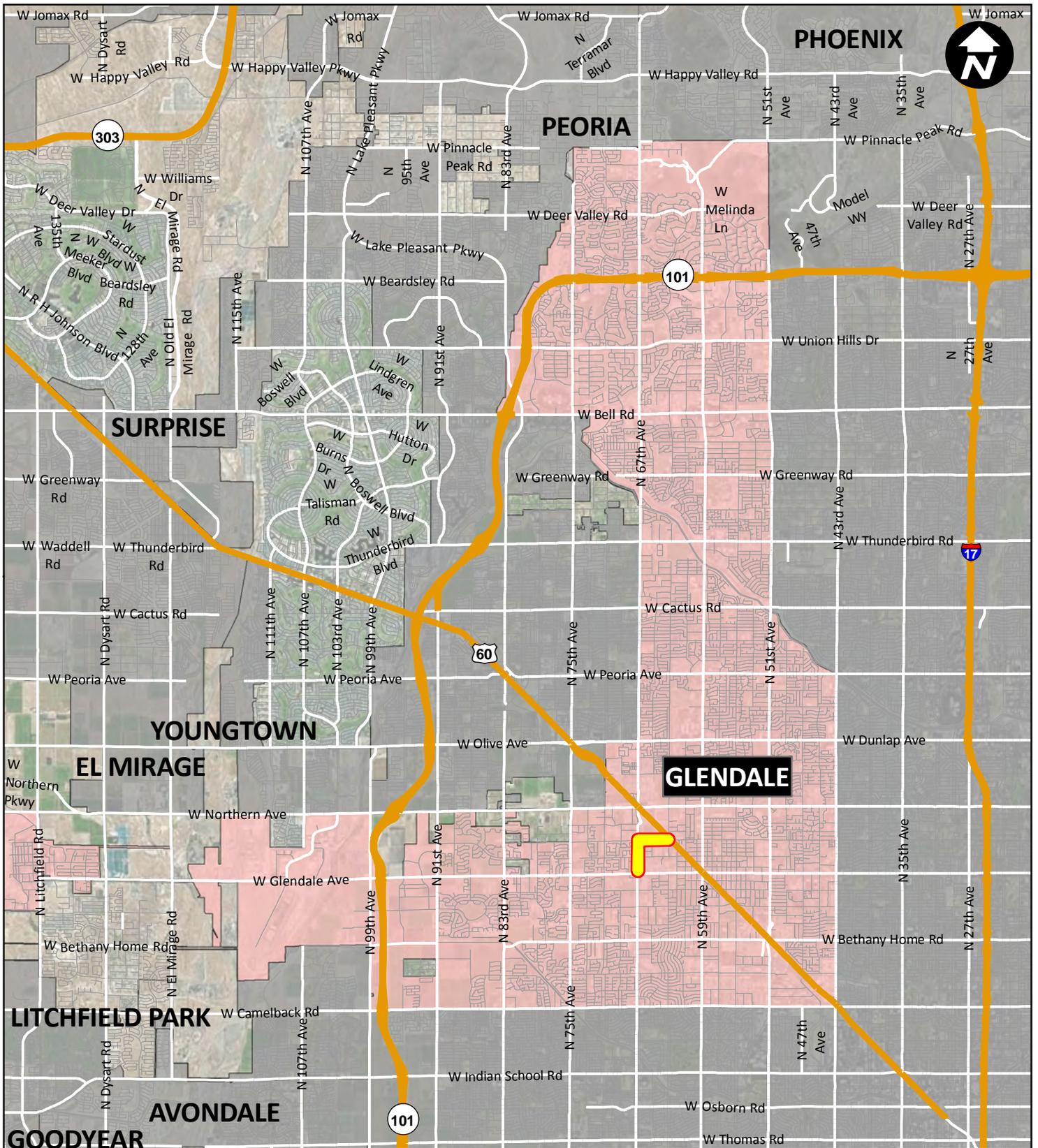
<b>COVER SHEET</b>	<b>Complete?</b>
Cover Sheet is completely filled out	Yes
<b>PART A - Contacts and Project Description Fields</b>	<b>Complete?</b>
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
<b>PART B - Project Description</b>	<b>Complete?</b>
Fields 1 - 14 (Project Description) are complete	Yes
Fields 15 - 17 (Transit) are complete	Yes
Fields 18 – 22 (Attractors and Demographics) are complete	Yes
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete	Yes
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete	Yes
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete	Yes
<b>PART C - Required Attachments</b>	<b>Complete?</b>
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.	Yes
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.	Yes
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).	Yes
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.	Yes
(OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.	No
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.	No
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	No
<b>PART D - Cost Estimate Worksheet</b>	<b>Complete?</b>
Sponsoring Agency, Project Title, and Application Date are complete	Yes
Part A - Scoping is complete	Yes
Part B - Final Preliminary Engineering Design is complete	Yes
Part C - Right-of-Way Acquisition is complete	Yes
Part D - Utility Relocation is complete	Yes
Part E - Construction or Implementation is complete	Yes
Parts F, G, and H - Costs are complete and accurate	Yes
<b>PART E - Total Project Schedule and Budget Including All Segment Fields</b>	<b>Complete?</b>
Fields 1 – 7 are complete and costs are accurate	Yes
Field 8 - 10 are complete	Yes
Fields 11 – 15 Years are complete	Yes
Fields 11 – 15 Local Funding Sources are complete	Yes
Fields 11 – 15 Local Costs are complete and accurate	Yes

Field 11 - 15 Federal Costs are complete and accurate	Yes
Field 16 Total Costs are complete and accurate	Yes
<b>PART F - Signature and Checklist</b>	<b>Complete?</b>
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager/administrator or designated representative.	Yes
Name, title and date fields under the signature are completed.	Yes

## SIGNATURE(S):

As the MAG member agency's manager/administrator or designated representative, 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:	Jack Friedline
Title:	Director of Public Works
Date:	09-17-2015



	PROJECT NAME		EXHIBIT TITLE	
	67th Ave & Orangewood Ave, Glendale Ave to Grand Ave, Sidewalk Improvements		Vicinity Map	
	DATE	PROJECT NO	LEGEND	
	9/21/2015	N/A	 Project Area	
SCALE	PAGE NO	TOTAL PAGES		
1 inch = 2 miles	1	1		



MATCH BELOW LEFT



MATCH ABOVE RIGHT

MATCH PG 2 OF 4 TOP LEFT



	PROJECT NAME <b>67th Ave &amp; Orangewood Ave, Glendale Ave to Grand Ave, Sidewalk Improvements</b>		EXHIBIT TITLE <b>Plan View</b>	
	DATE <b>9/21/2015</b>		PROJECT NO <b>N/A</b>	
	SCALE <b>1-Inch = 50-Feet</b>		PAGE NO <b>1</b>	TOTAL PAGES <b>4</b>
	LEGEND  <b>Project Area</b>			

MATCH PG 1 OF 4 BOTTOM RIGHT

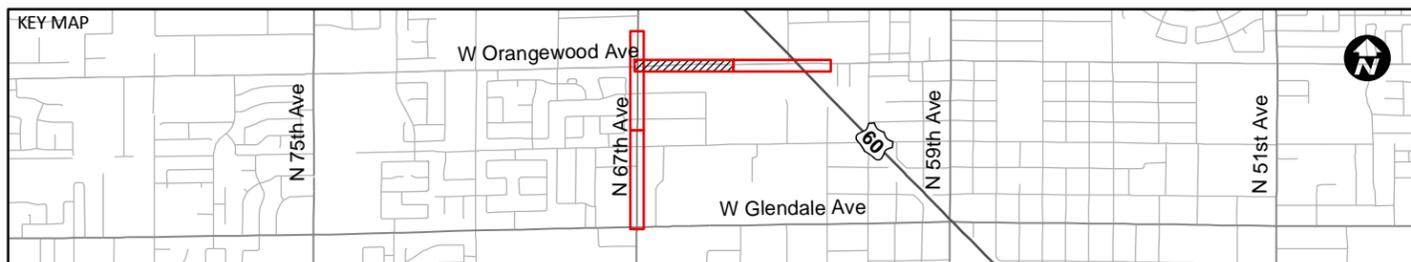


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MATCH ABOVE RIGHT



	PROJECT NAME <b>67th Ave &amp; Orangewood Ave, Glendale Ave to Grand Ave, Sidewalk Improvements</b>		EXHIBIT TITLE <b>Plan View</b>
	DATE <b>9/21/2015</b>	PROJECT NO <b>N/A</b>	
	SCALE <b>1-Inch = 50-Feet</b>	PAGE NO <b>2</b>	TOTAL PAGES <b>4</b>
	LEGEND  <b>Project Area</b>		



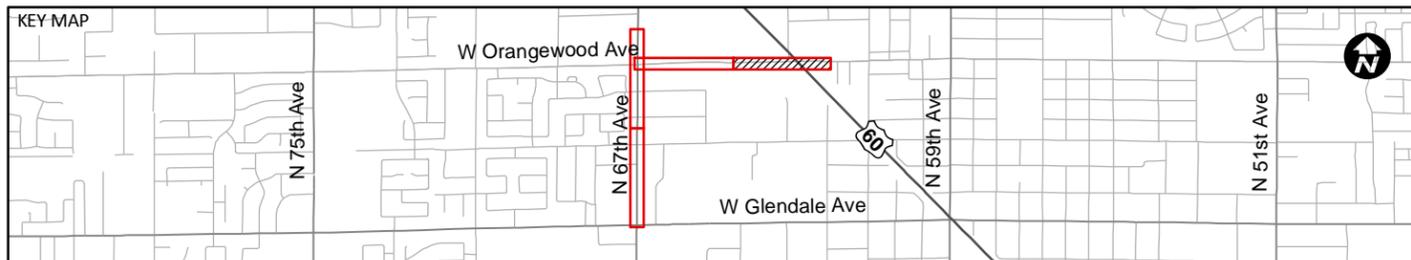
	PROJECT NAME <b>67th Ave &amp; Orangewood Ave, Glendale Ave to Grand Ave, Sidewalk Improvements</b>		EXHIBIT TITLE <b>Plan View</b>	
	DATE <b>9/21/2015</b>	PROJECT NO <b>N/A</b>	LEGEND  <b>Project Area</b>	
	SCALE <b>1-Inch = 50-Feet</b>	PAGE NO <b>3</b>	TOTAL PAGES <b>4</b>	

MATCH PG 3 OF 4 BOTTOM RIGHT



MATCH BELOW LEFT

MATCH ABOVE RIGHT



	PROJECT NAME <b>67th Ave &amp; Orangewood Ave, Glendale Ave to Grand Ave, Sidewalk Improvements</b>		EXHIBIT TITLE <b>Plan View</b>
	DATE <b>9/21/2015</b>	PROJECT NO <b>N/A</b>	
	SCALE <b>1-Inch = 50-Feet</b>	PAGE NO <b>4</b>	TOTAL PAGES <b>4</b>
	LEGEND  <b>Project Area</b>		



**67th Avenue, South of Palmaire Avenue (Looking South)**



**67th Avenue, South of Orangewood Avenue (Looking South)**

	PROJECT NAME <b>67th Ave and Orangewood Ave Sidewalk Improvements</b>		EXHIBIT TITLE <b>Existing Condition Photos</b>	
	DATE <b>9/21/2015</b>	PROJECT NO <b>N/A</b>		LEGEND
	SCALE <b>N.T.S.</b>	PAGE NO <b>1</b>	TOTAL PAGES <b>2</b>	

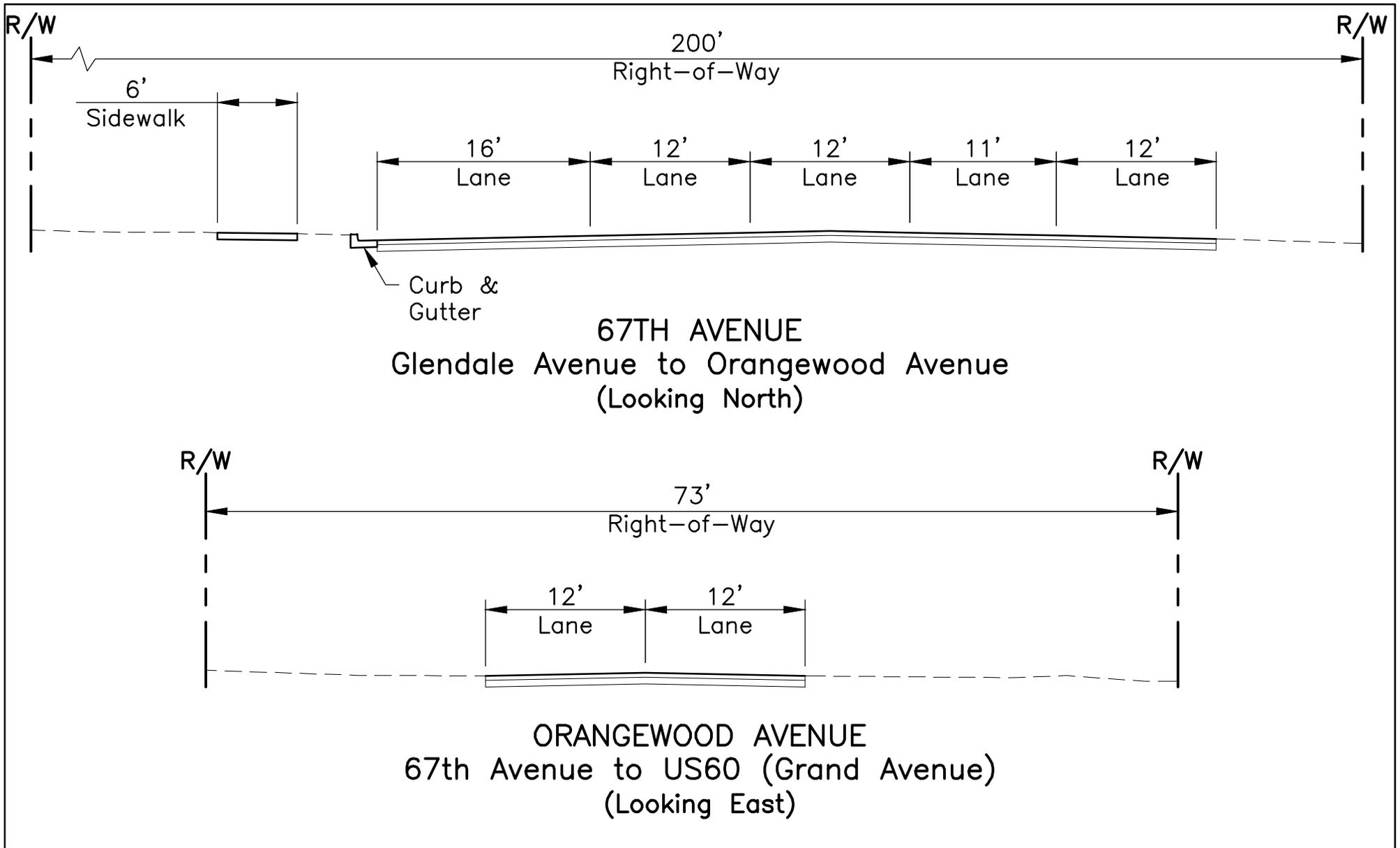


**Orangewood Avenue, East of 64th Avenue (Looking East)**



**Orangewood Avenue, West of 64th Drive (Looking West)**

	PROJECT NAME <b>67th Ave and Orangewood Ave Sidewalk Improvements</b>		EXHIBIT TITLE <b>Existing Condition Photos</b>	
	DATE <b>9/21/2015</b>	PROJECT NO <b>N/A</b>		LEGEND
	SCALE <b>N.T.S.</b>	PAGE NO <b>2</b>	TOTAL PAGES <b>2</b>	



	PROJECT NAME <b>67th Ave and Orangewood Ave Sidewalk Improvements</b>		EXHIBIT TITLE <b>Existing Typical Roadway Section</b>	
	DATE <b>9/21/2015</b>		PROJECT NO <b>N/A</b>	
	SCALE <b>1"=10'</b>		PAGE NO <b>1</b>	TOTAL PAGES <b>1</b>