



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

71ST AVENUE AND ORANGEWOOD AVENUE ROADWAY 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: 71st Ave & Orangewood Ave Roadway 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. | 71st Ave & Orangewood Ave Roadway Improvements |
| 7. Please provide a concise, specific description of the project (250 character limit): | |
| <p>New sidewalk, ADA ramps and curb and gutter will be added to fill in pedestrian facility gaps. Bike lanes will be provided on 71st Avenue and Orangewood Avenue.</p> | |
| 8. Please provide the project limits: | |
| <p>71st Avenue, Myrtle Avenue to Orangewood Avenue Orangewood Avenue, 69th Avenue to 72nd Avenue</p> | |

Glendale : 71st Ave & Orangewood Ave Roadway 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 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 style="width: 100%; height: 20px;" 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 style="width: 100%; height: 20px; border: 1px solid black;" 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 style="width: 100%; height: 20px; border: 1px solid black;" 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.

71st Avenue is a collector street between a residential subdivision and single lot homes. The street is divided with one lane in each direction with an existing at-grade dirt median. There are no curbs or sidewalk within the project limits. Orangewood Avenue has no curb and gutter or sidewalk on the north side.

Glendale : 71st Ave & Orangewood Ave Roadway 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, raised median, sidewalk, sidewalk ramps, driveways and striped bike lanes.

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, as well as roadway improvements to allow for striped bike lanes.

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?

Installing raised median will remove five overhead power poles out of the clear zone, eliminate traffic from crossing over a dirt median and reducing vehicle crashes. Adding curb and gutter on the outside of the roadway will protect pedestrians on the new sidewalk facilities. Narrowing the lane widths to stripe bike lanes will reduce travel speeds.

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 through the project limits. Existing sidewalk ramps that do not meet current ADA requirements will be replaced.

Glendale : 71st Ave & Orangewood Ave Roadway 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 single lot homes immediately adjacent to 71st Avenue within the project limits, as well as other subdivisions south of the project limits along 71st Avenue. This project will provide access with continuous sidewalk facilities from the neighborhoods to bus stops, an elementary school, retail centers, 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 a standard roadway section, provide safety improvements with a raised median and accommodate pedestrian and bicycle connectivity to Glendale Ave.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Portions of roadway without sidewalk / bike lanes & routes

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.

2 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.

2 Within 1/2 mile

List routes and frequency:

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

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

0 Within 1/2 mile

List:

Glendale : 71st Ave & Orangewood Ave Roadway 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 1/2 mile

List:

Orangewood Park, plus a future soccer complex (69th Ave and Orangewood)

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:

National Pump Company

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

Within 1/2 mile

List:

Desert Spirit Elementary School

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

Within 1/2 mile

List:

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:

Salon Del Reino de los Testigos De Jehova

1/4 miles to 1/2 miles

List:

Glendale : 71st Ave & Orangewood Ave Roadway Improvements

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

Glendale : 71st Ave & Orangewood Ave Roadway Improvements

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

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.

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

Yes

No

Glendale : 71st Ave & Orangewood Ave Roadway Improvements

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)

Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
List:

Consistent with general policy/practices, but not formally identified (provide source)
Explain:

Not addressed by jurisdiction's plans, policies, or practices
Explain:

Glendale : 71st Ave & Orangewood Ave Roadway Improvements

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 roadway can be improved to meet the City's requirements for a Collector typical section by adding curb and gutter, raised median and sidewalks. The improvements will reduce traffic accidents by adding raised median, as well as improve bicycle and pedestrian connectivity by installing continuous sidewalks and ADA sidewalk ramps.

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

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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: | City of Glendale | Project Title: | Glendale : 71st Ave & Orangewood Ave Roadway Improvements | Application Date: | 9/21/2015 |
|---------------------------|------------------|-----------------------|---|--------------------------|-----------|

| 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 | \$4,000.00 | \$4,000.00 | No | \$0.00 | \$4,000.00 | | |
| | 3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents) | LS | 1 | \$4,000.00 | \$4,000.00 | No | \$0.00 | \$4,000.00 | | |
| | 4. HAZMAT ASSESSMENT | LS | 1 | \$1,000.00 | \$1,000.00 | No | \$0.00 | \$1,000.00 | | |
| | Subtotal Scoping (Part A) | | | | | | \$0.00 | \$14,000.00 | | |
| B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E | 1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules. | LS | 1 | \$95,000.00 | \$110,000.00 | No | \$0.00 | \$110,000.00 | | |
| | 2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report | LS | 0 | \$3,000.00 | \$0.00 | No | \$0.00 | \$0.00 | | |
| | 3. DRAINAGE REPORT | LS | 1 | \$3,000.00 | \$3,000.00 | No | \$0.00 | \$3,000.00 | | |
| | 4. SWPPP | LS | 1 | \$2,000.00 | \$2,000.00 | No | \$0.00 | \$2,000.00 | | |
| | Subtotal PE (Part B) | | | | | | \$0.00 | \$115,000.00 | | |
| Subtotal Preliminary Engineering (Part A + Part B) | | | | | | | \$0.00 | \$129,000.00 | | |
| C. Right-of-Way Acquisition | 1. Right-of-Way Acquisition | LS | 1 | \$10,000.00 | \$10,000.00 | No | \$0.00 | \$10,000.00 | | |
| Subtotal Right-of-Way Acquisition (Part C) | | | | | | | \$0.00 | \$10,000.00 | | |
| D. Utility Relocation | 1. Utility Relocation | LS | 1 | \$10,000.00 | \$10,000.00 | No | \$0.00 | \$10,000.00 | | |
| Subtotal Utility Relocation (Part D) | | | | | | | \$0.00 | \$10,000.00 | | |
| 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 | \$1,500.00 | \$1,500.00 | Yes | \$1,414.50 | \$85.50 |
| | | Site Preparation | | LS | 1 | \$3,000.00 | \$3,000.00 | Yes | \$2,829.00 | \$171.00 |
| | | Demolition | Sawcut | LF | 2,300 | \$2.00 | \$4,600.00 | Yes | \$4,337.80 | \$262.20 |
| | | | Remove Structures and Obstructions | LS | 0 | | \$0.00 | Yes | \$0.00 | \$0.00 |
| | | | 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 | 600 | \$10.00 | \$6,000.00 | Yes | \$5,658.00 | \$342.00 |
| | | | 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 | 6,800 | \$20.00 | \$136,000.00 | Yes | \$128,248.00 | \$7,752.00 |
| | | Aggregate Base | | CY | 1,100 | \$45.00 | \$49,500.00 | Yes | \$46,678.50 | \$2,821.50 |
| | | Pathway Or Sidewalk Materials | Concrete | SF | 25,200 | \$10.00 | \$252,000.00 | Yes | \$237,636.00 | \$14,364.00 |
| | | | 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 | 1,900 | \$100.00 | \$190,000.00 | Yes | \$179,170.00 | \$10,830.00 |
| | | | 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 | 2,400 | \$20.00 | \$48,000.00 | Yes | \$45,264.00 | \$2,736.00 |
| | | 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 | | |
| Subtotal Hardscape Construction | | | | | | | \$651,235.80 | \$39,364.20 | | |

Glendale: 71st Ave & Orangewood Ave Roadway 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 | \$129,000 | |
| 3. Right of way | \$10,000 | Parcel north of Myrtle Avenue |
| 4. Utilities | \$10,000 | Minor adjustments, Relocation Irrigation headwalls and ditch |
| 5. Construction | \$969,900 | |
| 6. Contingency | \$140,100 | 20% of Construction Cost |
| 7. Total Cost | \$1,289,000 | |

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

9. Expected Annual Maintenance Cost

10. Identify Source of Maintenance Funds

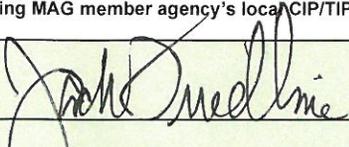
| Requested MAG Programming | Year | Short Work Description (E.g. Construct Multiuse Path) | Local Funding Source | Local Cost | Federal Cost | Total Cost | Local Share |
|-----------------------------|------|---|----------------------|------------|---------------|-------------|-------------|
| 11. Design (Optional) | 2018 | Design Sidewalk Improvements | Sales Tax | \$129,000 | Not Available | \$129,000 | 100.0% |
| 12. Right of way (Optional) | 2019 | Acquire RW (North of Myrtle) | Sales Tax | \$10,000 | Not Available | \$10,000 | 100.0% |
| 13. Utilities (Optional) | 2020 | Utility Adjustments During Construction | Sales Tax | \$10,000 | Not Available | \$10,000 | 100.0% |
| 14. Other (Optional) | 2018 | ADOT Fee | Sales Tax | \$30,000 | Not Available | \$30,000 | 100.0% |
| 15. Construction | 2020 | Construct Sidewalk Improvements | Sales Tax | \$162,379 | \$947,621 | \$1,110,000 | 14.6% |
| 16. Total Costs | | | | \$341,379 | \$947,621 | \$1,289,000 | 26.5% |

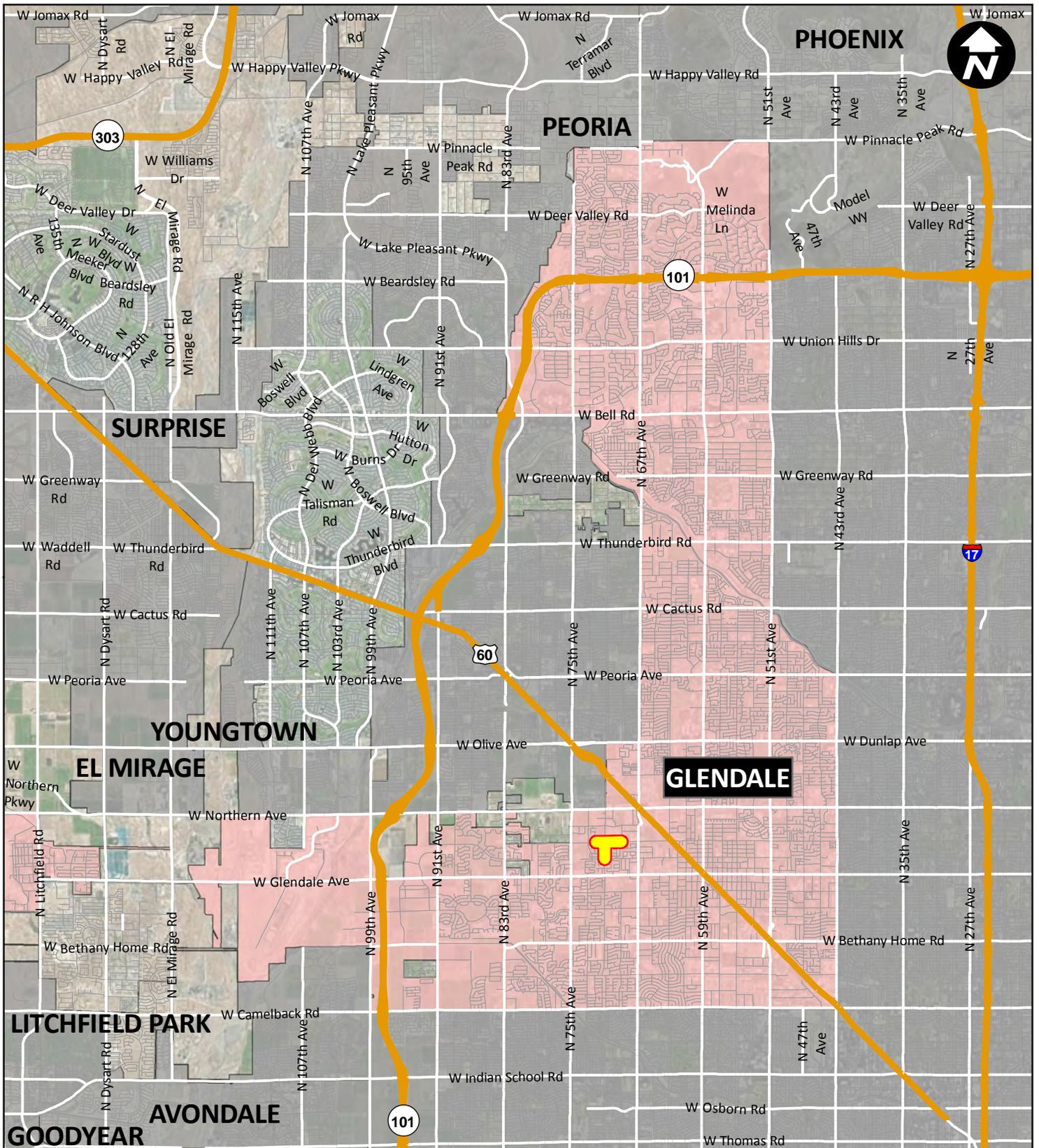
| PART F - SIGNATURE AND CHECKLIST | |
|---|------------------|
| <h1>Checklist</h1> | |
| This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed. | |
| COVER SHEET | Complete? |
| Cover Sheet is completely filled out | Yes |
| PART A - Contacts and Project Description Fields | Complete? |
| Contact Information, fields 1 – 5 are complete | Yes |
| Project Description, fields 6 - 8 are complete | Yes |
| PART B - Project Description | Complete? |
| 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 |
| 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. | 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. | Yes |
| (OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application. | Yes |
| (OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application. | Yes |
| PART D - Cost Estimate Worksheet | Complete? |
| 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 |
| PART E - Total Project Schedule and Budget Including All Segment Fields | Complete? |
| 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 |
| PART F - Signature and Checklist | Complete? |
| 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 |

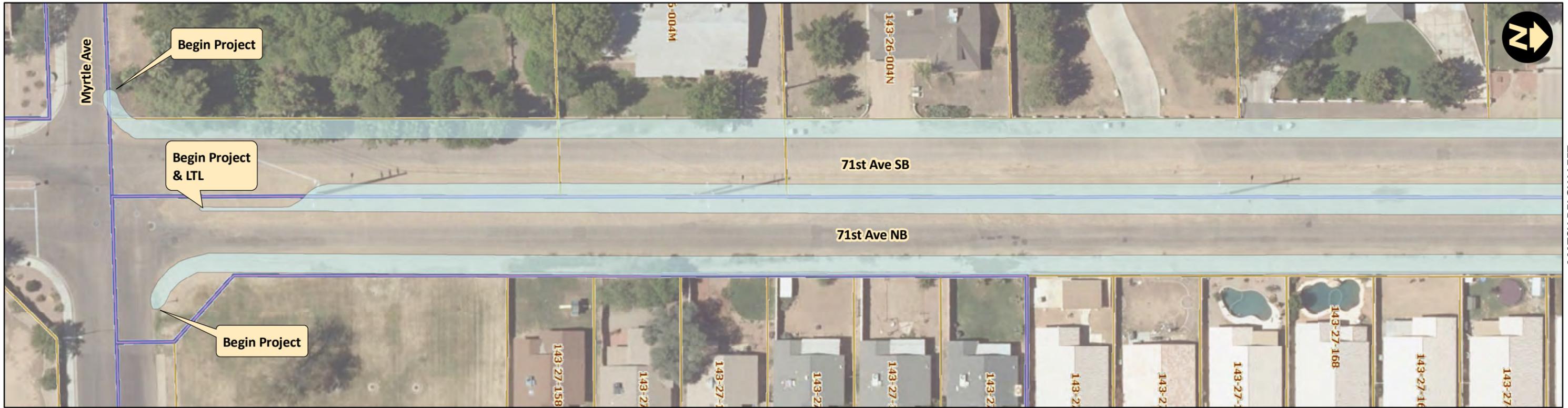
SIGNATURE(S):

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 |



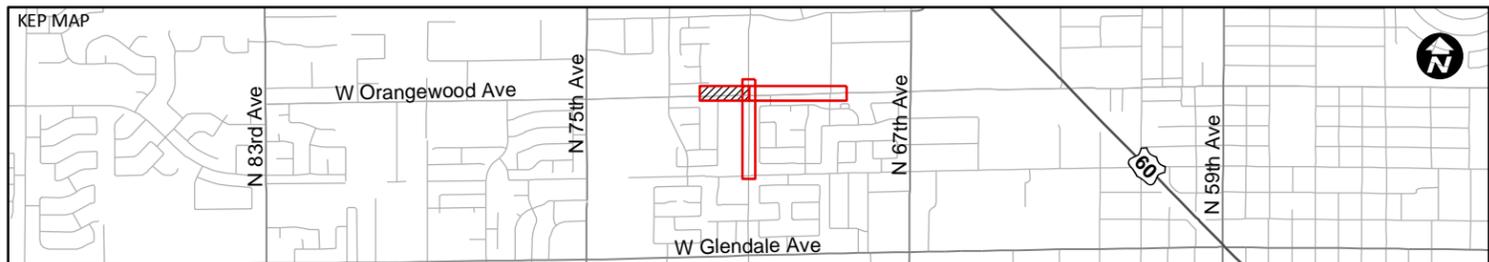
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|  | PROJECT NAME | | EXHIBIT TITLE | |
| | 71st Ave and Orangewood Ave Roadway Improvements | | Vicinity Map | |
| | DATE | PROJECT NO | LEGEND | |
| | 9/21/2015 | N/A |  Project Area | |
| SCALE | PAGE NO | TOTAL PAGES | | |
| 1 inch = 2 miles | 1 | 1 | | |



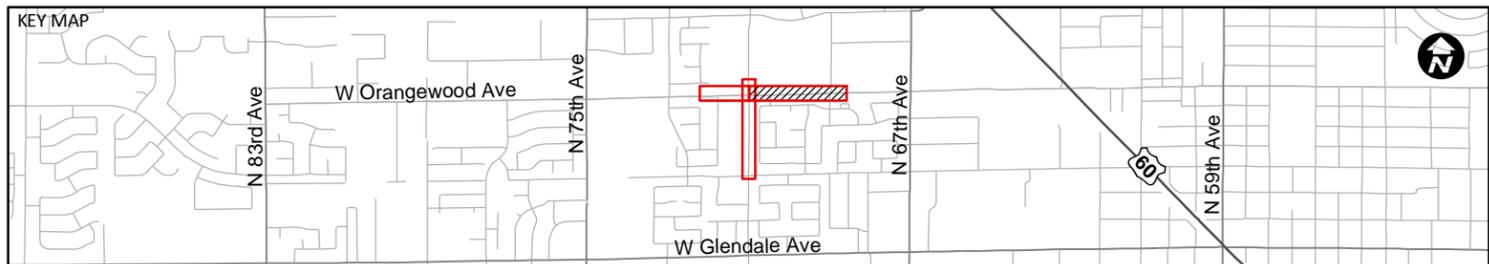
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|  | PROJECT NAME 71st Ave and Orangewood Ave Roadway Improvements | | EXHIBIT TITLE Plan View | |
| | DATE 9/21/2015 | | PROJECT NO N/A | |
| | SCALE 1-Inch = 50-Feet | | PAGE NO 1 | TOTAL PAGES 3 |
| | LEGEND  Project Area | | | |



MATCH PG 3 OF 3 TOP LEFT



| | | | |
|------------------|--|-------------|---------------|
| | PROJECT NAME | | EXHIBIT TITLE |
| | 71st Ave and Orangewood Ave Roadway Improvements | | Plan View |
| | DATE | PROJECT NO | LEGEND |
| | 9/21/2015 | N/A | |
| SCALE | PAGE NO | TOTAL PAGES | |
| 1-Inch = 50-Feet | 2 | 3 | Project Area |



| | | | | |
|---|---|--------------------------|-----------------------------------|---|
|  | PROJECT NAME 71st Ave and Orangewood Ave Roadway Improvements | | EXHIBIT TITLE Plan View | |
| | DATE 9/21/2015 | PROJECT NO N/A | | LEGEND  Project Area |
| | SCALE 1-Inch = 50-Feet | PAGE NO 3 | TOTAL PAGES 3 | |



71st Avenue (Looking South)



71st Avenue (Looking North)

| | | | |
|--|---|--------------------------|---|
|  | PROJECT NAME 71st Ave and Orangewood Ave Roadway Improvements | | EXHIBIT TITLE Existing Condition Photos |
| | DATE 9/21/2015 | PROJECT NO N/A | LEGEND |
| | SCALE N.T.S. | PAGE NO 1 | |

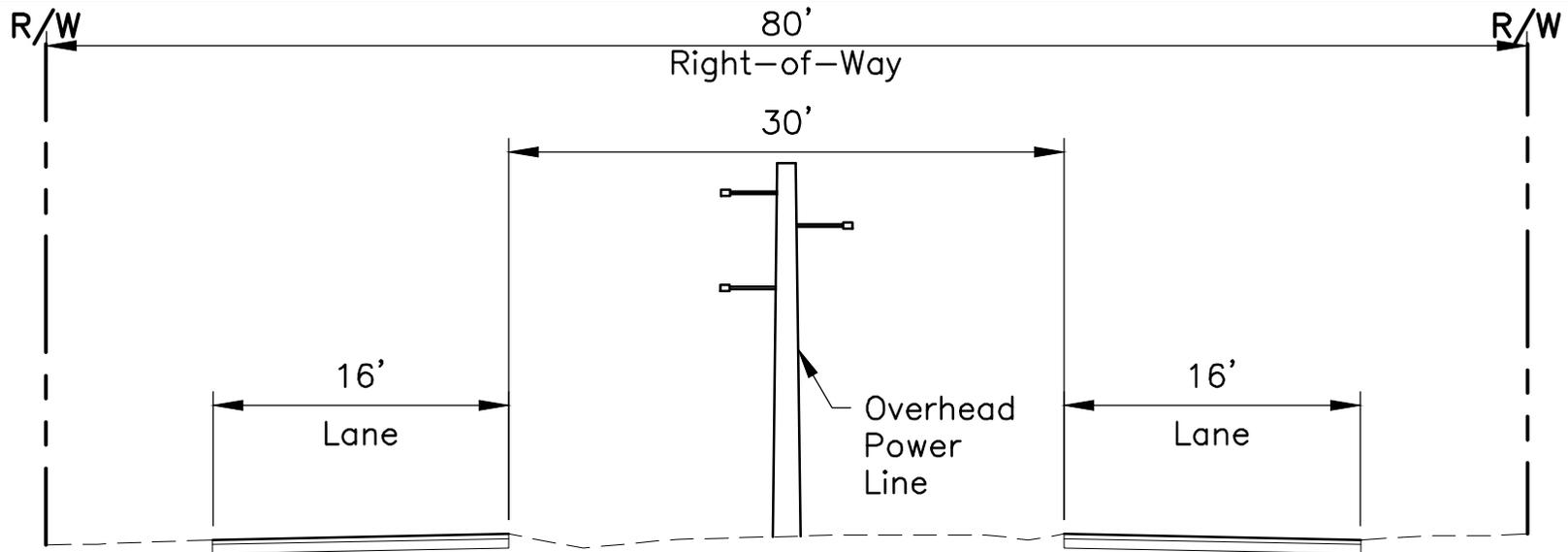


Orangewood Avenue, West of 69th Avenue (Looking West)

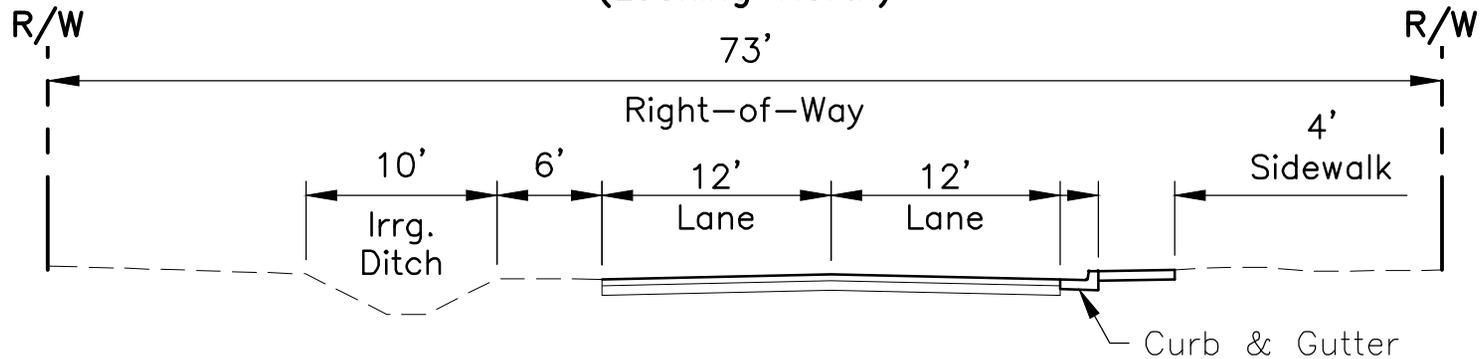


Orangewood Avenue, East of 71st Avenue (Looking East)

| | | | |
|--|---|--------------------------|---|
|  | PROJECT NAME 71st Ave and Orangewood Ave Roadway Improvements | | EXHIBIT TITLE Existing Condition Photos |
| | DATE 9/21/2015 | PROJECT NO N/A | LEGEND |
| | SCALE N.T.S. | PAGE NO 2 | |



71ST AVENUE
Myrtle Avenue to Orangewood Avenue
(Looking North)



ORANGEWOOD AVENUE
69th Avenue to 72nd Avenue
(Looking East)



PROJECT NAME
**71st Ave and Orangewood Ave
Roadway Improvements**

DATE
9/21/2015

SCALE
1"=10'

PROJECT NO
N/A

PAGE NO
1

TOTAL PAGES
1

EXHIBIT TITLE
Existing Typical Roadway Section

LEGEND