

GLN-BikePed-1

55TH AVENUE WIDENING FOR BIKE LANES AND SIDEWALK

City of Glendale

Pedestrian, Bicycle and Shared Use Facility Application

MAG Transportation Improvement Program (TIP)

FFY 2014-2018



PEDESTRIAN, BICYCLE and SHARED-USE FACILITY PROJECT APPLICATION

General Instructions:

This Excel form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for Bicycle Projects to be included in the FY2014-FY 2018 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2015, 2016 and 2017.

This application form includes:

- Part A - Contact and Project Description,
- Part B - Segment Description and Proposed Improvements,
- Part C - Total Project Budget and Schedule,
- Part D - Checklist and Signature Page, and Transmittal Instructions and Schedule.

Each part is a separate tab of this excel file. Please complete Parts A - D. Alternative application forms are available upon request.

Deadlines and Transmittal Instructions:

Two copies of a printed, complete and signed application must be received in the MAG offices by **10:00 a.m. Wednesday, September 19, 2012**. The application is to be submitted electronically and should include ArcGIS shape files depicting the project location if they are available.

Detailed transmittal instructions are located in a separate tab in this excel sheet. Late applications **will not be accepted.**

If member agencies need additional information or have questions, they should contact Teri Kennedy or Stephen Tate at (602) 254-6300 or contact them by e-mail at the following addresses:

<mailto:state@azmag.gov>

<mailto:tkennedy@azmag.gov>

<mailto:MDeCindis@azmag.gov>

All information is required, unless noted by the word - Optional.

PART A - CONTACT AND PROJECT DESCRIPTION

Contact Information	
1. Sponsoring Agency	Glendale
2. Contact Name	Steve Hancock
3. Phone	623-930-2036
4. E-Mail Address	shancock@glendaleaz.com
5. Mailing Address	5800 W. Glenn Drive, Suite 315, Glendale, AZ 85301

Project Description 6. Please provide the Project Title.	55th Avenue Widening with Bike Lanes and Sidewalk
7. Please provide a general description of the project (Please no more than 200 characters)	
This project will widen a 622 feet long section of 55th Avenue from 20 feet wide to 40 feet wide. Bike lanes, a sidewalk and curb and gutter will be added to the widened roadway.	
8. Please attach a map with streets labeled showing the location(s) of the bicycle/shared-use facility.	Please attach map with transmittal

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

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.

CMAQ Funding Eligibility

All Pedestrian, Bicycle and Shared-Use projects to be funded with federal CMAQ funds must be located in the 8-Hour Ozone Nonattainment Area. Please use the following link to verify that the project is in the nonattainment area.

[Links to 8-Hr Ozone Nonattainment Area Map](#)

Section 1 - Project Description

1. What is the type of bicycle project? (Check all that apply)

<table border="0"> <tr><td><input type="checkbox"/></td><td>Bicycle lane (4' min. w/o curb/gutter)</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>Bicycle lane (5' min. with curb/gutter)</td></tr> <tr><td><input type="checkbox"/></td><td>Shared-use path (10' min.)</td></tr> <tr><td><input type="checkbox"/></td><td>Bridge (overpass)</td></tr> <tr><td><input type="checkbox"/></td><td>Tunnel (underpass)</td></tr> <tr><td><input type="checkbox"/></td><td>Paved shoulders (5' min.).</td></tr> </table>	<input type="checkbox"/>	Bicycle lane (4' min. w/o curb/gutter)	<input checked="" type="checkbox"/>	Bicycle lane (5' min. with curb/gutter)	<input type="checkbox"/>	Shared-use path (10' min.)	<input type="checkbox"/>	Bridge (overpass)	<input type="checkbox"/>	Tunnel (underpass)	<input type="checkbox"/>	Paved shoulders (5' min.).	<table border="0"> <tr><td><input type="checkbox"/></td><td>Shoulder paving is within 4-miles of a PM-10 monitor</td></tr> <tr><td></td><td style="text-align: center;">Link MAG Webpage for Map of PM-10 Monitor Locations</td></tr> <tr><td><input type="checkbox"/></td><td>Signalized crossing</td></tr> <tr><td><input type="checkbox"/></td><td>Signalized midblock crossing/HAWK</td></tr> <tr><td><input type="checkbox"/></td><td>Mid-block crossing w/ pedestrian refuge</td></tr> <tr><td><input type="checkbox"/></td><td>Other <input style="width: 100px;" type="text"/></td></tr> </table>	<input type="checkbox"/>	Shoulder paving is within 4-miles of a PM-10 monitor		Link MAG Webpage for Map of PM-10 Monitor Locations	<input type="checkbox"/>	Signalized crossing	<input type="checkbox"/>	Signalized midblock crossing/HAWK	<input type="checkbox"/>	Mid-block crossing w/ pedestrian refuge	<input type="checkbox"/>	Other <input style="width: 100px;" type="text"/>
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<input type="checkbox"/>	Other <input style="width: 100px;" type="text"/>																								

1a. What is the type of pedestrian project? (Check all that apply)

<table border="0"> <tr><td><input type="checkbox"/></td><td>Sidewalk (5' min.)</td></tr> <tr><td><input type="checkbox"/></td><td>Wide sidewalk (8' min.)</td></tr> <tr><td><input type="checkbox"/></td><td>Detached sidewalk (4' min. buffer)</td></tr> <tr><td><input type="checkbox"/></td><td>Bridge (overpass)</td></tr> <tr><td><input type="checkbox"/></td><td>Tunnel (underpass)</td></tr> </table>	<input type="checkbox"/>	Sidewalk (5' min.)	<input type="checkbox"/>	Wide sidewalk (8' min.)	<input type="checkbox"/>	Detached sidewalk (4' min. buffer)	<input type="checkbox"/>	Bridge (overpass)	<input type="checkbox"/>	Tunnel (underpass)	<table border="0"> <tr><td><input type="checkbox"/></td><td>Signalized crossing</td></tr> <tr><td><input type="checkbox"/></td><td>Signalized midblock crossing/HAWK</td></tr> <tr><td><input type="checkbox"/></td><td>Mid-block crossing w/ pedestrian refuge</td></tr> <tr><td><input type="checkbox"/></td><td>Other <input style="width: 100px;" type="text" value="Sidewalk 4' wide with curb and gutter"/></td></tr> </table>	<input type="checkbox"/>	Signalized crossing	<input type="checkbox"/>	Signalized midblock crossing/HAWK	<input type="checkbox"/>	Mid-block crossing w/ pedestrian refuge	<input type="checkbox"/>	Other <input style="width: 100px;" type="text" value="Sidewalk 4' wide with curb and gutter"/>
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<input type="checkbox"/>	Other <input style="width: 100px;" type="text" value="Sidewalk 4' wide with curb and gutter"/>																		

2. Please describe the facility on which the improvement will be located.

For a linear feature please enter the Facility Name, Starting Limit and Ending Limit. For a point feature (e.g. an intersection or crossing) please enter a Facility Name and a Crossing Feature.

55th Avenue is north/south collector street designated as a bike route. This project will widen the roadway and add a sidewalk and curb and gutter from Cactus Road to point 622 feet south of Cactus Road.

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)

Through Lanes

The application submission will include ArcGIS shapefiles.

3. Please provide a map, aerial map, graphics and photos that clearly show the segment alignment and features that connect to other bicycle facilities and that cross into or about the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project.

4. Please provide a simple diagram of the current typical cross section, including widths, of the segment that shows the right of way limits, sidewalks and shoulders (if any), and the lanes of travel.

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

5. Please provide an estimated traffic volume (ADT) below.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology used for the ADT Estimate

6. 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.

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

7. 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

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

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

- No Utility in or abutting the alignment
- Canals & Drainage
- Power Lines & Cables

- Pipelines, Sewer and Water
- Private Structures
- Other

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

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

Water lines and sewer lines are located on the east side of 55th Avenue, well away from the section of roadway that will be widened. The Salt River Project (SRP) ditch will have to be piped and paved over for the roadway widening and the installation of a sidewalk and curb and gutter. An easement will be needed from SRP.

Section 2 - Proposed Improvements

11. Please describe the work to be performed on the project:

622 linear feet of 55th Avenue roadway will be widened from 20 feet wide to 40 feet wide. Another 6 feet of width (also 622 feet long) will be used for the addition of a sidewalk and curb and gutter on the west side of 55th Avenue. To gain the area needed for this widening an existing irrigation canal will be piped and covered. Once the roadway is widened and the sidewalk and curb and gutter are installed the roadway will be striped with a bike lanes on each side to match existing bike lanes south of the project.

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

- | | | | |
|-------------------------------------|---|-------|---------------|
| <input checked="" type="checkbox"/> | AASHTO Guide for Bicycle Facilities | Other | ADA standards |
| <input checked="" type="checkbox"/> | MAG Pedestrian Policies and Design Guidelines | | |
| <input type="checkbox"/> | MAG Complete Streets Guide | | |

13. Why is this project an enhancement to the local and/or regional transportation system? Is this a one-time opportunity?

55th Avenue is a major north-south bike route in Glendale, traversing over nine miles of bike/park lanes and short sections of multi-use pathways. This project will widen a short segment of 55th Avenue from 20 feet wide to 40 feet wide so bike lanes can be added to each side of the roadway. This segment of 55th Avenue is the only place along the bike route that does not have striped bike lanes or striped bike/park lanes. Travel for pedestrians will also be enhanced by the addition of a sidewalk on the west side of the roadway.

14. Please describe the current surface condition of the proposed project

The current surface consists of compacted dirt and gravel and a concrete lined irrigation ditch. There is also a private residence with asphalt and concrete driveways crossing the project area to enter the property.

15a. Safety improvements to be included for bike facilities: (Check all that apply)

- | | | | |
|-------------------------------------|--|--------------------|--|
| <input checked="" type="checkbox"/> | Wide bike lanes (6'-7') | Buffer Zone, Width | |
| <input type="checkbox"/> | Grade-separated crossing (overpass or underpass) | | |
| <input type="checkbox"/> | Signalized crossing | Other | |
| <input type="checkbox"/> | Path lighting | | |

15b. Safety improvements to be included for pedestrian facilities: (Check all that apply)

- | | | | |
|--------------------------|--|--------------------|---------------------------------|
| <input type="checkbox"/> | Wide sidewalk (8' min.) | Buffer Zone, Width | |
| <input type="checkbox"/> | Grade-separated crossing (overpass or underpass) | | |
| <input type="checkbox"/> | Signalized crossing | Other | |
| <input type="checkbox"/> | Path lighting | | |
| <input type="checkbox"/> | Shade | | 4' sidewalk and curb and gutter |

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

16a. Number of convenience improvements to be included for bike facilities:

- Number of Drinking Fountains
- Number of Way-finding Signs
- Number of Bike racks/lockers
- Number of Trash receptacles
- Number of Seating/Rest(s)

Number of Trees/shade structures

Other

16b. Number of convenience improvements to be included for pedestrian facilities:

- Number of Drinking Fountains
- Number of Way-finding Signs
- Number of Trash receptacles
- Number of Seating/Rest(s)

Number of Trees/shade structures

Other

17. How does this project improve upon an existing safety issue?

Since 55th Avenue in the project area is only 20 feet wide with one lane in each direction, motorists must either slow down when approaching a cyclist or cross over into the other lane to pass the cyclist. This situation is unsafe and uncomfortable for cyclists and motorists alike. The widening of the roadway and addition of bike lanes on each side of 55th Avenue will remedy this situation.

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

The addition of a sidewalk with ramps at 55th Avenue will vastly improve pedestrian and wheelchair travel for people with disabilities.

19. Connectivity: (Check all that apply)

- Project fills a gap in the system
- Project connects to other local facilities

Project is on a regional facility
Regional Facility Name

Multi Jurisdictional Project
List of Participating Jurisdictions

Number of transit routes and Park & rides served.
List: route number(s)/park & ride(s) served.

186, 170, 154, 138, 106, 90, 80, and 70

20. Total length of facility connected by this project (in miles)

Miles of facilities connected

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

21. Number of activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

0 Within 1/4 mile
List:

3 1/4 mile to 1/2 mile
List:

0 1/2 mile to 1 mile
List:

22. Number of commercial destinations (malls, retail centers, business parks, etc.) and transit services (bus/rail routes, stops, and stations) this project will benefit:

0 Within 1/4 mile
List:

11 1/4 mile to 1/2 mile
List:

23 1/2 mile to 1 mile
List:

23. Number of schools (public elementary, middle, and high schools, colleges, and universities) this project will benefit:

2 Within 1/4 mile
List:

0 1/4 mile to 1/2 mile
List:

1 1/2 mile to 1 mile
List:

24. What are the demographics of the area served:

- +15 Units Housing Density (Number of dwelling units per acre) within 1/2 mile
- The project is in a block group where the average household income is less than \$26,000/year (Use blockgroup data from the Census 2010)
- X The project is in an area that serves adults over the age of 60 years (Use blockgroup data from the Census 2010)

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

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

With new development and capital improvement projects, bike lanes on arterial streets are:	Recommended
With new development and capital improvement projects, bike lanes on collector streets are:	Recommended
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	Recommended
With new development or during development retrofits, shared-use paths are:	Not Addressed
Bicycle program implemented, including bike education, safety events, and bike maps	Required
Complete Streets Policy	Not Addressed

26. The project is: (Check one)

- Identified in General Plan, council adopted policy, or Capital Improvements Program
List:
Glendale Transportation Plan, 2009
- Consistent with general policy/practices, but not formally identified
Explain
- Not addressed by jurisdiction's plans, policies, or practices

27. Describe how this project will be publicized to the general public.

Residents living within 1/4 mile of the project location will be invited to attend a public open house during the design phase. The project will be on display at the annual Glendale Family Bike Ride and the annual Glendale Onboard (GO) Open House that showcases all active transportation projects in the City of Glendale.

28. How will you determine customer satisfaction/evaluation?

Comments on all transportation facilities and projects are solicited at the annual GO Open House. Comments on bicycle facilities and projects are solicited at the annual Glendale Family Bike Ride. The City of Glendale also has a Citizen bicycle Advisory Committee that meets monthly to review bicycle projects and address citizen concerns about bicycle facility use.

PART C - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS

Please provide a cost and programming estimate for the total project (e.g. the cost to complete all planned segment improvements). 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 the segment description(s) in Part B(s).

Cost Estimate for the Project Including ALL Segments	Cost	Optional (Additional Notes)
1. ADOT Fee	20,000	None
2. Design	52,000	None
3. Right of way	80,000	None
4. Utilities	0	None
5. Construction	148,893	None
6. Contingency	30,000	None
7. Total Cost	330,893	None

8. Please attach a detailed cost estimate if available. [Link to MAG Webpage for Bike-Ped Cost Form](#)

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

Yes

10. Expected Annual Maintenance Cost

7,500	Note
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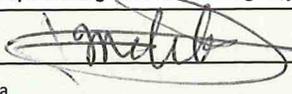
Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
11. Design	2013	Sales Tax	52,000	Not Available	52,000
12. Right of way and Utilities	2013	Sales Tax	80,000	Not Available	80,000
13. Construction	2015	Sales Tax	19,627	159,266	178,893
			151,627	159,266	310,893

55th Avenue Street Widening

PART D - SIGNATURE AND CHECKLIST

As the jurisdiction'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: Jamsheed Mehta

Title: Transportation Services Executive Director

Date:

Sept 18, 2012

WILL FILL OUT AFTER QUESTIONS APPROVED.

Checklist - OPTIONAL

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed.

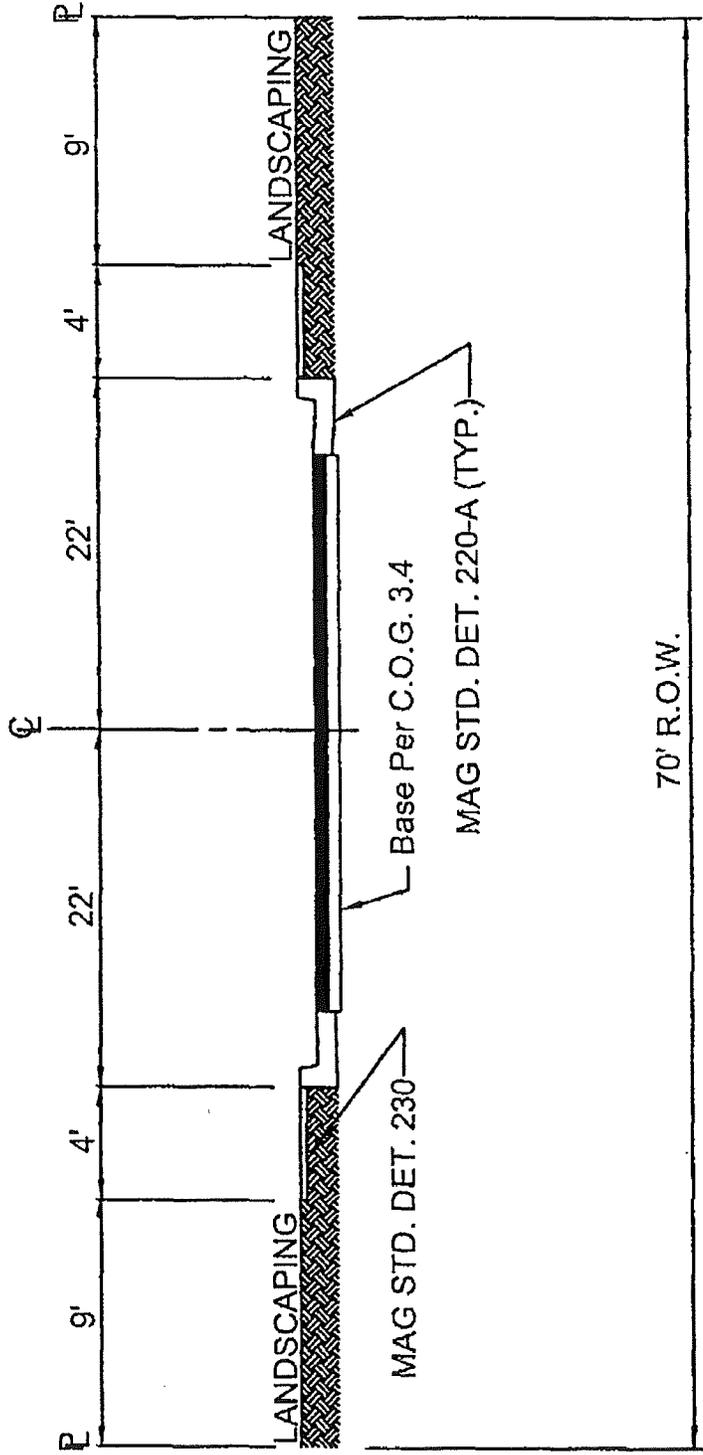
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	
Project Description, fields 6 - 7 are complete	
Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal.	
PART B - Segment Description and Proposed Improvements Fields	Complete?
Project Description, Section 1	
Fields 1 - 2 are complete	
Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal.	
Field 4 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.	
Fields 5 – 10 are complete	
Proposed Improvements, Section 2	
Fields 11 – 28 are complete	
PART C - Total Project Schedule and Budget Including All Segment Fields	Complete?
Fields 1 – 7 are complete	
Field 8 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.	
Field 9 - 10 are complete	
Fields 11 – 13 Years are complete	
Fields 11 – 13 Local Funding Sources are complete	
Fields 11 – 13 Local Costs are complete	
Field 11 - 13 Federal Costs are complete	
PART D - Signature Page Fields	Complete?
Form is signed	
Name, title and date fields are completed.	

55th Avenue Street Widening

55th Avenue Widening with Bike Lanes and Sidewalk



55th Avenue Collector Street Typical Cross Section

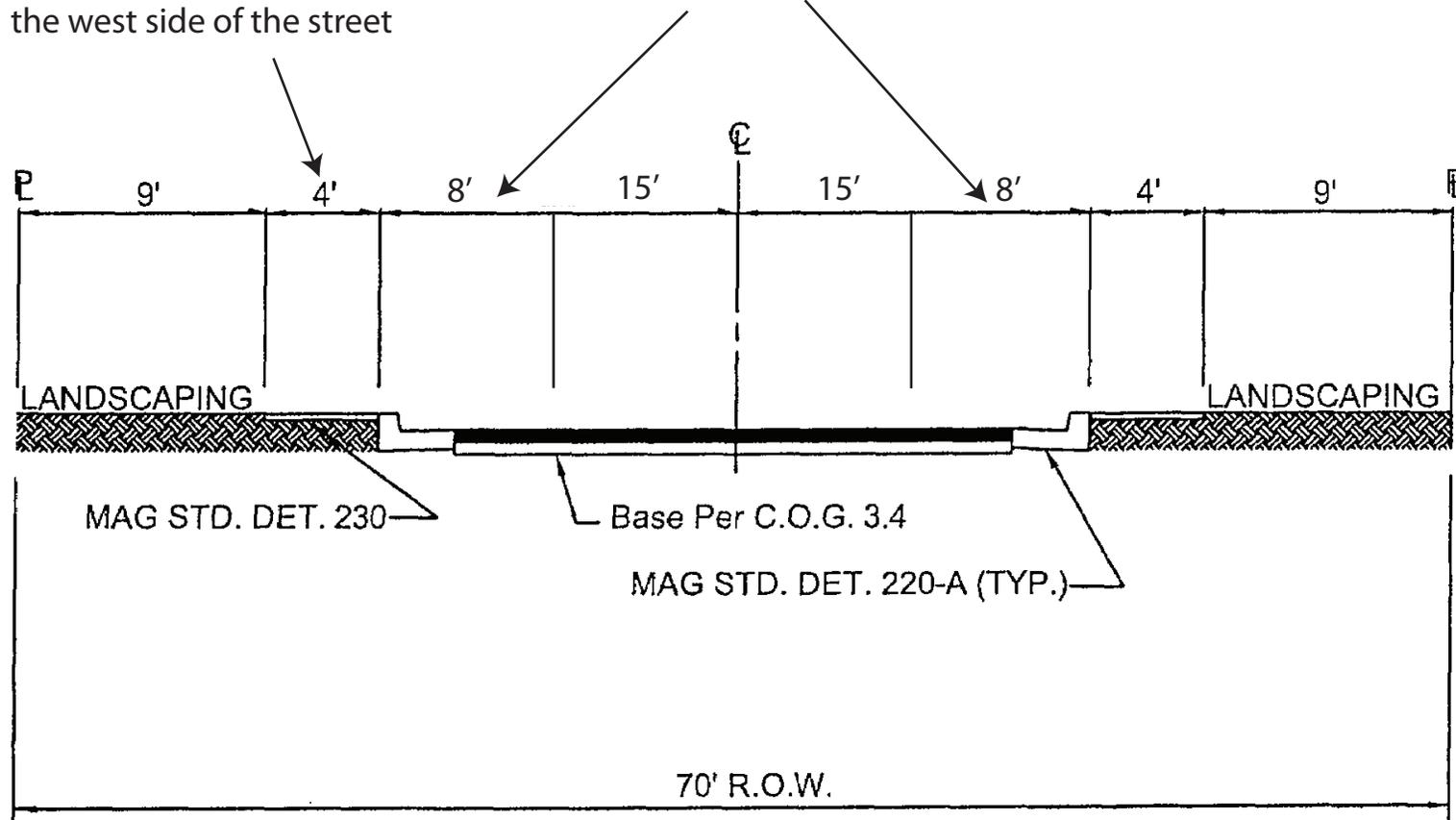


City of Glendale

55th Avenue Cross Section with the Addition of Bike Lanes and a Sidewalk

A sidewalk and curb and gutter will be added to the west side of the street

Bike lanes will be added to both sides of the street





55th Avenue looking south across the Cactus Road intersection. The palm trees straight ahead will have to be removed to widen 55th Avenue.



55th Avenue looking south. The roadway tapers down to 20 feet wide just ahead of the southbound car.



This little used irrigation ditch will be piped and buried. All of the dirt shoulder and piped ditch will be used to add pavement, sidewalk and curb and gutter.



55th Avenue looking north towards Cactus Road. The cross-section of sidewalk, curb and gutter, and asphalt in the foreground is what the project will look like all the way to Cactus Road. Bike lanes that exist further south on 55th will be extended to Cactus Road.

