



City Council Report

Date: May 8, 2017
To: City Council
Through: Kari Kent, Assistant City Manager
From: Beth Huning, City Engineer
Marc Ahlstrom, Assistant City Engineer
Subject: Flood Control Improvement Projects (5 Locations) – Five Intergovernmental Agreements (IGAs) with the Flood Control District of Maricopa County

District 1, 2, 4, and 5

Purpose and Recommendation

The purpose of this report is to provide information to the City Council to review and consider approval of five (5) separate Intergovernmental Agreements (IGAs) between the Flood Control District of Maricopa County (“District”) and the City of Mesa (“City”) for the construction, construction management, operation, and maintenance of drainage improvements within the City. The five proposed IGA’s are for the following projects:

1. Skyview Drainage Project
2. Gilbert and Hackamore Drainage Project
3. Firefly and Southern Drainage Project
4. Maple and Main Drainage Project
5. Lazona and Broadway Drainage Project

Refer to Exhibit “A” for the location map of each project.

Staff recommends that the Council approve all five (5) IGAs and a Resolution authorizing the City Manager or his designee to enter into each of the IGAs.

Background

On April 27, 2011, the District Board of Directors adopted Resolution FCD 2009R003A (C-69-09-062-6-01) authorizing the District to cost-share in recommended drainage projects by local agencies under the District’s Small Project Assistance Program (SPAP). In December 2016, City staff received approval for five (5) individual projects for cost share under the SPAP for fiscal year 2017. Consequently, each project has been approved by the District for funding up to a maximum of \$250,000.

1) Skyview Drainage Project

This area of the City (north of Brown Road, west of Power Road) has flooded at various times and takes on a significant amount of storm water flow due to a lack of retention for

the contributing watershed. City Staff proposes the addition of a storm drain network to capture flows that currently inundate neighborhood streets. These flows will be directed to a City of Mesa owned basin that will be expanded to add additional volume.

2) Gilbert and Hackamore Drainage Project

This area of the City (north of Brown Road and immediately east of Gilbert Road) has historically experienced flooding and experiences drainage issues due to flat streets that have limited street capacity for storm water. A storm drain system is proposed to extend east from Gilbert Road into Hackamore Street to capture flows that otherwise flood residences on this street.

3) Firefly and Southern Drainage Project

This area of the City (north of Southern Avenue and east of Sossaman Road) has experienced flooding and drainage issues that have created a hazard for residential properties located on Firefly Avenue and Southern Avenue. City staff proposes the construction of wall openings to improve drainage conveyance from the development to the City right of way and openings to an adjacent regional box culvert for acceptance of this additional storm water.

4) Maple and Main Drainage Project

This area of the City (north of Main Street and west of Greenfield Road) has experienced flooding and drainage issues due to lack of storm water retention for upstream areas. City staff proposes to extend a storm drain pipe with catch basins along Sulley and Maple Street to capture overflow from an adjacent basin that overtops during storm events.

5) Lazona and Broadway Drainage Project

This area of the City (north of Broadway Road and east of Stapley Drive) has experienced flooding and drainage issues for residential properties located on Lazona Drive. Lack of street capacity and storm drain infrastructure within the local streets creates issues with storm water flow conveyance during larger storm events. City staff proposes to add storm drain pipes in Broadway Road and Lazona Drive to capture flows that otherwise create drainage issues for the neighborhood and ultimately inundate the intersection of Broadway and Stapley.

Discussion

The purpose of each IGA is to identify and define the responsibilities of the District and the City for design, right-of-way acquisition, utility relocation, construction, construction management, operation, and maintenance of the proposed projects. The City must participate in the construction cost of each project and also operate and maintain the facilities. The District will fund seventy five percent (75%) of the project construction cost incurred and invoiced between July 1, 2017 and June 30, 2018, up to a maximum

of \$250,000 per project in accordance with the District's SPAP as stated in each IGA.

Once a bid for each project has been received and accepted, the construction contract will be brought to the City Council for consideration. The local matching funds will come from the Transportation Department's Local Street Sales Tax.

Alternatives

The City Council could choose not to enter into each of the five (5) IGAs with the District. The City's lack of participation in funding would stop the projects, resulting in continued drainage problems for each of the areas identified. This alternative is not recommended.

Fiscal Impact

The District will fund seventy-five percent (75%) of the project construction costs incurred for each project up to a maximum contribution of \$250,000. The City will be responsible for funding the remainder of the costs. The City will also be 100% responsible for design, land acquisition, construction administration, operation, and maintenance costs. A breakdown of the total estimated construction cost for each Project is as follows.

Project Description	Total Estimated Construction Cost	District Estimated Contribution	City's Estimated Contribution
1. Skyview Drainage Project	\$860,000	\$250,000	\$610,000
2. Gilbert and Hackamore Drainage Project	\$300,000	\$225,000	\$75,000
3. Firefly and Southern Drainage Project	\$315,000	\$236,500	\$78,750
4. Maple and Main Drainage Project	\$300,000	\$225,500	\$75,000
5. Lazona and Broadway Drainage Project	\$705,000	\$250,000	\$455,000
Totals	\$2,480,000	\$1,187,000	\$1,293,7500

Coordinated With

The Transportation Department concurs with this recommendation.