



Pinal County Arterial and Bridge Program Project Ranking

MAG Street Committee
November 14, 2017

Pinal County Arterial and Bridge Program: Overview

- On September 27, 2017, the MAG Regional Council approved the Pinal County Arterial and Bridge Program – Programming and Evaluation Policy
- Program is to award funding for roadway projects within the MAG planning area of Pinal County
- Project selection is based on:
 - Six quantitative criteria (65%)
 - Seven qualitative criteria (35%)
 - Includes overall committee project ranking

Pinal County Arterial and Bridge Program: Overview

- A call-for-projects was issued in August 2017
 - Total funding available: \$2,559,416
 - Available funding fiscal years: 2021 and 2022
- Four applications were received and presented to the October 10, 2017 MAG Street Committee
 - Street Committee certified the reasonableness and accuracy of the application data
 - Street Committee provided qualitative scores
- Today's agenda item represents the project ranking output

Project Information:

PROJECT #	PROJECT NAME	LIMITS	TYPE OF WORK	SEGMENT LENGTH (MILES)	LANES		EXISTING TRANSIT ROUTE? (Y / N)
					BEFORE	AFTER	
1	Apache Junction - Idaho Road	Idaho Rd: Tepee to McKellips	Roadway Reconstruction	1.5	2	2	N
2	Florence - Roundabout	SR278 & SR79B Intersection	Intersection Improvement	0.5	2	2	N
3	Maricopa - Bowlin Rd	Bowlin Rd: White Parker Rd to Anthony Blvd	Paving and Roadway Construction	1	2	2	N
4	Maricopa - White Parker Honeycutt	White & Parker and Honeycutt Intersection	Intersection Improvement	0.25	2	2	N

Quantitative Data:

PROJECT #	PROJECT NAME	CRITERIA					
		ANNUAL AVERAGE DAILY TRAFIC (AADT)	PAVEMENT / BRIDGE CONDITION (1-5 SCALE)	PEAK PERIOD SPEED DIFFERENTIAL	SEGMENT / INTERSECTION CAPACITY VEHICLES PER LANE PER HOUR (VPLPH)	CRASH RATE BY VEHICLE MILES TRAVELED	CRASH REDUCTION FACTOR SCORE
1	Apache Junction - Idaho Road	2,446	0.75	0.00%	77	12,022	14
2	Florence - Roundabout	5,428	3.00	5.00%	114	2,100	9
3	Maricopa - Bowlin Rd	9,219	0.00	17.78%	109	11,627	2
4	Maricopa - White Parker Honeycutt	4,721	3.57	35.56%	135	30,506	4

Qualitative Data

PROJECT #	PROJECT NAME	CRITERIA					
		CONNECTIVITY - REGIONAL	PROXIMITY - ACTIVITY CENTERS	INTERSECTION IMPROVEMENT - THROUGHPUT	INTERSECTION IMPROVEMENT - SAFETY	JURISDICTIONAL POLICY	COMMUNITY INVOLVEMENT
		Level of Connectivity (1-5) 5 is highest	< 1 Mile = 5 < 2 Miles = 4 < 3 Miles = 3 < 4 Miles = 2 4 Miles + = 1	Level of Improvement (1-5) 5 is highest	Level of Improvement (1-5) 5 is highest	Level of Inclusion (1-5) 5 is highest	Level of Involvement (1-5) 5 is highest
1	Apache Junction - Idaho Road	3.22	3.50	2.58	2.89	3.89	2.94
2	Florence - Roundabout	4.28	3.67	4.50	4.33	4.03	4.06
3	Maricopa - Bowlin Rd	2.22	3.36	2.67	2.39	3.50	3.53
4	Maricopa - White Parker Honeycutt	2.56	2.69	4.25	2.50	1.81	3.63

Qualitative Data

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< 2 Miles = 4							
< 3 Miles = 3							
< 4 Miles = 2							
4 Miles + = 1							
1	Apache Junction - Idaho Road	3.22	3.50	2.58	2.89	3.89	2.94
2	Florence - Roundabout	4.28	3.67	4.50	4.33	4.03	4.06
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4	Maricopa - White Parker Honeycutt	2.56	2.69	4.25	2.50	1.81	3.63

Committee Ranking

Project #	Project Name	Application Rank
1	Apache Junction - Idaho Road	3
2	Florence - Roundabout	1
3	Maricopa - Bowlin Rd	4
4	Maricopa - White Parker Honeycutt	2

Combined Results

PROJECT # AND LIMITS		QUANTITATIVE SCORE	QUALITATIVE SCORE	COMMITTEE RANKING	TOTAL SCORE
1	Idaho Rd: Tepee to McKellips	1.315	0.7	0.1	2.115
2	SR278 & SR79B Intersection	1.54	1.2	0.2	2.94
3	Bowlin Rd: White Parker Rd to Anthony Blvd	1.815	0.5	0.05	2.365
4	White & Parker and Honeycutt Intersection	1.83	0.6	0.15	2.58

Prioritized Results

PROJECT # AND LIMITS		TOTAL SCORE
1	SR278 & SR79B Intersection	2.94
2	White & Parker and Honeycutt Intersection	2.58
3	Bowlin Rd: White Parker Rd to Anthony Blvd	2.365
4	Idaho Rd: Tepee to McKellips	2.115



For information, discussion, and possible recommendation to forward the Pinal County Arterial and Bridge Program project ranking to the Transportation Review Committee to recommend projects to be selected and programmed with federal funds, and to recommend approval of the proposed project changes to the FY 2018 – FY 2022 Transportation Improvement Program and MAG 2040 Regional Transportation Plan, as appropriate.