



mesa·az Transportation Advisory Board Report

Date: March 17, 2015
To: Transportation Advisory Board
From: Jim Hash, Senior Planner (SA)
Subject: Potential Projects for Application to the MAG Design Assistance Program

Purpose

The purpose of this report is to provide information to the Transportation Advisory Board (TAB), regarding potential projects for application to the Maricopa Association of Governments (MAG) Design Assistance Program.

Background and Discussion

The City's Transportation Department Bicycle and Pedestrian Program traditionally have applied for MAG Design Assistance Grants each cycle year that it has been offered. Mesa's Bicycle and Pedestrian Program established a list of prioritized project that were adopted by Mesa City Council through the 2012 Mesa Bicycle Master Plan. Those projects were prioritized through a specific set of quantitative and qualitative criteria to ensure that specific needs of multi-modal integration be met.

Each year projects are selected from this priority list and are submitted for Design Assistance Grant money during each competitive cycle. The projects selected are chosen in sequential order and are then re-evaluated to ensure that they meet current needs of the City, and will be competitive against other municipality submittals for the current round of funding.

Projects targeted for this round of funding of the MAG Design Assistance Program are:

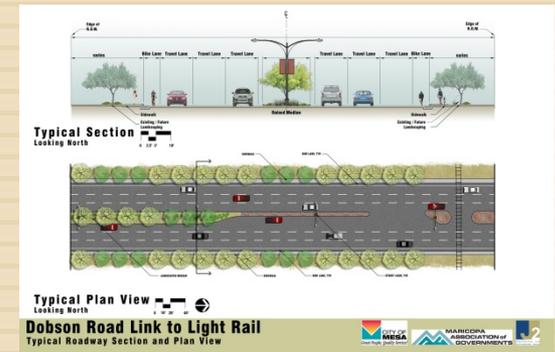
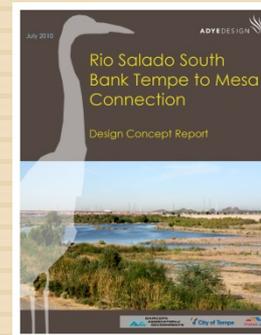
1. Main Street Complete Street Project – Gilbert Rd to Power Rd
2. US60 Alignment Shared Use Path – Dobson Rd to Power Rd
3. Eastern Canal Shared Use Path – McKellips Rd to Baseline Rd

Summary

A significant amount of thought and effort goes into the selection of projects to be submitted to MAG for the Design Assistance Program. Mesa has become very reputable for bringing quality, regionally significant projects consideration. Transportation Planning staff will evaluate the next projects in the queue, and determine if they are in fact competitive and will not only be viable quality projects, which meet current City needs, but also compete well regionally against other projects that may be submitted.

MAG 2015 DESIGN ASSISTANCE PROGRAM

March 2015 TAB Presentation



The MAG Design Assistance Program

The MAG Design Assistance Program was initiated in 1996 to encourage the development of pedestrian facilities according to the *MAG Pedestrian Policies and Design Guidelines*

2012 Bicycle Master Plan

BICYCLE MASTER PLAN: 2012

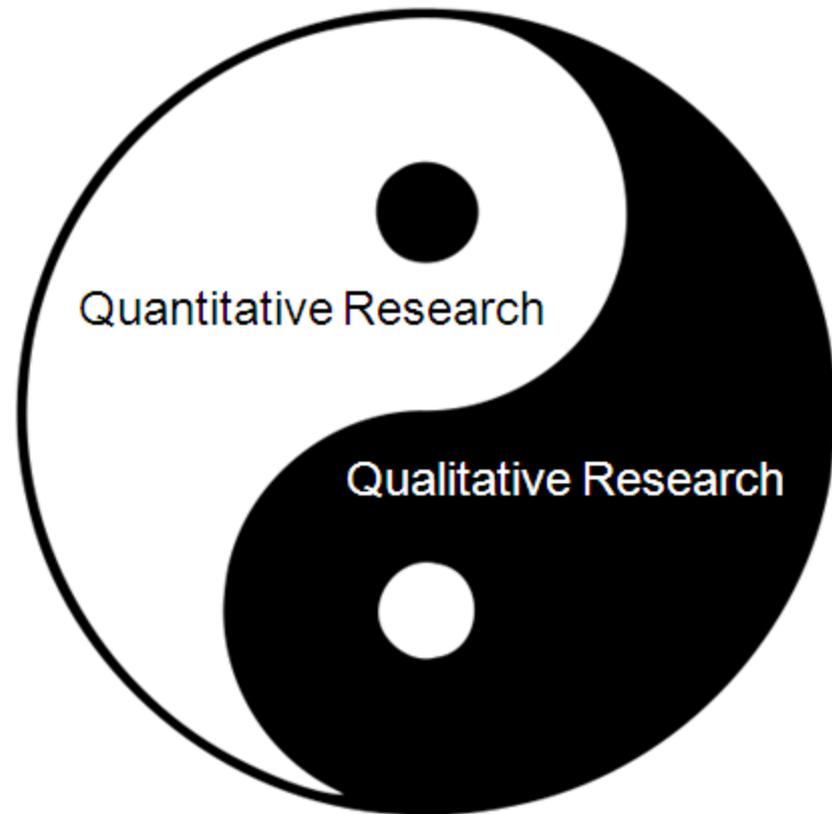



mesa·az

Bicycle Master Plan Project Analysis

Quantitative research defined gaps and deficiencies in the system based on a set criteria.

Qualitative research identified the needs and desires of the residents of Mesa as well as determining project viability.



Top 40 Priority Projects

Top 40 Featured Projects

Table A													
Priority	Project Location and Description	Facility Type	District	Length	GAP Evaluation		Implementation Criteria Score		Estimated Costs			Estimated ROW Costs	Estimated O&M Costs/yr
					Need Score	Criteria Total Score	Need + Criteria Score	Design	Construction	30% Contingency			
1	Riverview/Rio Salado Pathway - Wrigleyville West to Tempe Rio Salado Pathway	Shared-Use Path	2	0.9	2.0	7	9	\$85,803	\$858,025	\$257,408	\$0	\$5,577	
2	Loop 202 San Tan Freeway R.O.W. - Baseline Road to U.S. 60	Shared-Use Path	6	0.6	4.0	6	10	\$61,905	\$619,054	\$185,716	\$0	\$4,024	
3	Riverview/Rio Salado Pathway - Wrigleyville West to Dobson Road	Shared-Use Path	1	0.5	3.0	8	11	\$48,603	\$486,029	\$145,809	\$0	\$3,159	
4	West Mesa Connector - Center Street to Dobson Road	Shared-Use Path	1	2.0	2.0	9	11	\$399,760	\$3,997,601	\$1,199,280	\$0	\$13,111	
5	Main Street - Consolidated Canal to Power Road	Cycle Track	2	5.8	1.0	10	11	\$720,029	\$7,200,291	\$2,160,087	\$1,440,058	\$37,442	
6	US 60 R.O.W. - Lindsay Road to Recker Road	Shared-Use Path	2	4.0	2.0	10	12	\$399,760	\$3,997,601	\$1,199,280	\$0	\$25,984	
7	Porter Park Pathway - Mesa Drive to McKellips Road	Shared-Use Path	1	1.8	3.0	10	13	\$181,392	\$1,813,916	\$544,175	\$0	\$11,790	
8	Southern Avenue - West City Limit (Fiesta District) to Extension Road	Shared-Use Path	3	1.8	2.0	11	13	\$180,000	\$1,800,000	\$540,000	\$360,000	\$11,700	
9	Loop 202 San Tan Freeway - Power Road to Baseline Road (Gateway Shared-Use Pathway Project)	Shared-Use Path	6	5.6	2.0	11	13	\$556,312	\$5,563,116	\$1,668,935	\$0	\$36,160	
10	Main Street - Gilbert Road to the Consolidated Canal	Cycle Track	4	0.2	1.0	13	14	\$29,386	\$293,865	\$88,159	\$58,773	\$1,528	
11	Main Street - Power Road to Sossaman Road	Bike Lane	5	1.0	1.0	13	14	\$24,728	\$247,278	\$74,184	\$49,456	\$6,429	
12	Main Street - Sossaman Road to Ellsworth Road	Bike Lane	5	2.0	2.0	13	15	\$50,447	\$504,471	\$151,341	\$100,894	\$13,116	
13	Dobson Road - Broadway Road to Rio Salado Parkway/8th Street	Bike Lane	6	1.5	1.0	14	15	\$65,000	\$650,000	\$195,000	\$130,000	\$9,786	
14	Eastern Canal - University Drive to Broadway Road	Shared-Use Path	5	1.1	2.0	13	15	\$114,812	\$1,148,120	\$344,436	\$0	\$7,463	
15	US 60 R.O.W. - Gilbert Road to Lindsay Road	Shared-Use Path	6	1.0	2.0	13	15	\$99,266	\$992,663	\$297,799	\$0	\$6,452	

Top 40 Featured Projects

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Priority	Project Location and Description	Facility Type	District	Length	GAP Evaluation		Implementation Criteria Score		Estimated Costs			Estimated ROW Costs	Estimated O&M Costs/yr	
					Need Score	Criteria Total Score	Need + Criteria Score	Design	Construction	30% Contingency				
16	US 60 R.O.W. - Recker Road to the Loop 202 San Tan Freeway	Shared-Use Path	6	3.3	2.0	13	15	\$330,668	\$3,306,685	\$992,005	\$0	\$21,493		
17	Dobson Road - Rio Salado Parkway to the Loop 202 Red Mountain Freeway	Bike Lane	1	0.7	1.0	14	15	\$17,221	\$172,208	\$51,662	\$34,442	\$4,477		
18	RWCD/EMF - Broadway Road to Southern Avenue	Shared-Use Path	2	1.1	2.0	14	16	\$143,000	\$1,430,000	\$429,000	\$0	\$6,967		
19	Southern Avenue - Country Club Drive to Extension Road	Cycle Track	4	0.5	2.0	14	16	\$61,938	\$619,381	\$185,814	\$123,876	\$3,221		
20	University Drive - Country Club Drive to Robson	Bike Lane	1	0.2	1.0	15	16	\$4,000	\$40,000	\$12,000	\$10,000	\$1,040		
21	RWCD/EMF - Ray Road to Williams Field Road	Shared-Use Path	6	1.0	1.0	15	16	\$103,190	\$1,031,899	\$309,570	\$0	\$6,707		
22	RWCD Canal SUP - Brown Road to Broadway Road	Shared-Use Path	2	2.3	4.0	12	16	\$231,781	\$2,317,812	\$695,344	\$0	\$15,066		
23	US 60 R.O.W. - Country Club Drive to Gilbert Road	Shared-Use Path	4	3.0	3.0	13	16	\$300,404	\$3,004,039	\$901,212	\$0	\$19,526		
24	Loop 202 Red Mountain Freeway - McKellips Road to University Drive	Shared-Use Path	5	2.5	3.0	13	16	\$253,832	\$2,538,317	\$761,495	\$0	\$16,499		
25	Loop 202 Red Mountain Freeway - University Drive to Southern Avenue	Shared-Use Path	5	2.5	3.0	13	16	\$253,978	\$2,539,779	\$761,934	\$0	\$16,509		
26	Dobson Road - Broadway Road to Guadalupe Road	Bike Lane	3	3.1	2.0	14	16	\$100,750	\$1,007,500	\$302,250	\$201,500	\$20,316		
27	Utah Canal Connection - Rio Salado Parkway to the West Mesa Connector	Shared-Use Path	1	0.9	5.0	12	17	\$68,857	\$688,572	\$206,572	\$0	\$5,968		
28	Loop 202 Red Mountain/CAP - Power Road to McKellips Road	Shared-Use Path	5	1.7	3.0	14	17	\$171,165	\$1,711,652	\$513,496	\$0	\$11,126		
29	Broadway Road - Dobson Road to West City Limit	Bike Lane	3	0.8	2.0	15	17	\$19,614	\$196,137	\$58,841	\$39,227	\$5,100		
30	Highline Trail - Gilbert Road to Val Vista Drive	Shared-Use Path	1	2.0	5.0	13	18	\$199,352	\$1,993,518	\$598,055	\$0	\$12,958		
31	Highline SRP Powerline Easement - Val Vista Drive to Power Road	Shared-Use Path	2	4.0	5.0	13	18	\$399,880	\$3,998,799	\$1,199,640	\$0	\$25,992		
32	RWCD/EMF - Southern Avenue to Baseline Road	Shared-Use Path	2	1.2	3.0	15	18	\$117,225	\$1,172,254	\$351,676	\$0	\$7,620		

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33	Broadway Road - Country Club Drive to Gilbert Road	Bike Lane	4	3.0	2.0	16	18	\$74,762	\$747,621	\$224,286	\$149,524	\$19,438	
34	Mesa Drive - Broadway Road to University Drive	Bike Lane	4	1.0	2.0	16	18	\$25,124	\$251,240	\$75,372	\$50,248	\$6,532	
35	University Drive - Robson to Macdonald	Bike Lane	4	0.2	1.0	17	18	\$4,757	\$47,566	\$14,270	\$9,513	\$1,237	
36	Tempe Canal - University Drive to Rio Salado Parkway/8th Street	Shared-Use Path	3	0.8	5.0	13	18	\$77,804	\$778,043	\$233,413	\$0	\$5,057	
37	Eastern Canal Trail - Lindsay Road to University Drive	Shared-Use Path	1	1.6	2.0	16	18	\$143,000	\$1,430,000	\$429,000	\$0	\$10,719	
38	Salt River Basin Shared-Use Path - McKellips Road to Center Street	Shared-Use Path	1	1.1	5.0	14	19	\$143,000	\$1,430,000	\$429,000	\$0	\$7,208	
39	Rio Salado Parkway/8th Street - Longmore to Alma School Road	Bike Lane	3	0.5	5.0	14	19	\$12,646	\$126,463	\$37,939	\$25,293	\$3,288	
40	Powerline Easement - Ellsworth Road to Signal Butte Road	Bike Lane	6	2.0	5.0	14	19	\$50,450	\$504,499	\$151,350	\$100,900	\$13,117	

Projects Currently In Design

Top 40 Featured Projects												
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Priority	Project Location and Description	Facility Type	District	Length	Need Score	Criteria Total Score	Need + Criteria Score	Design	Construction	30% Contingency		
1	Riverview/Rio Salado Pathway - Wrigleyville West to Tempe Rio Salado Pathway	Shared-Use Path	3	0.8	3.0	7	9	\$85,803	\$858,035	\$257,409	\$0	\$1,531
2	Loop 202 San Tan Freeway R.O.W. - Baseline Road to U.S. 60	Shared-Use Path	6	0.6	4.0	6	10	\$61,905	\$619,054	\$185,716	\$0	\$4,024
3	Riverview/Rio Salado Pathway - Wrigleyville West to Dobson Road	Shared-Use Path	1	0.5	3.0	8	11	\$48,503	\$485,030	\$145,509	\$0	\$3,150
4	West Mesa Connector - Center Street to Dobson Road	Shared-Use Path	1	2.0	3.0	9	11	\$399,760	\$3,997,601	\$1,199,280	\$0	\$13,115
5	Main Street - Consolidated Canal to Power Road	Cycle Track	2	5.8	1.0	10	11	\$720,029	\$7,200,291	\$2,160,087	\$ 1,440,058	\$37,442
6	US 60 R.O.W. - Lindsay Road to Recker Road	Shared-Use Path	2	4.0	2.0	10	12	\$399,760	\$3,997,601	\$1,199,280	\$0	\$25,984
7	Porter Park Pathway - Mesa Drive to McKellips Road	Shared-Use Path	3	0.8	3.0	10	13	\$180,000	\$1,800,000	\$540,000	\$0	\$11,700
8	Southern Avenue - West City Limit (District) to Extension Road	Shared-Use Path	3	1.8	2.0	11	13	\$180,000	\$1,800,000	\$540,000	\$380,000	\$11,700
9	Loop 202 San Tan Freeway - Power Road to Baseline Road (Future Shared-Use Pathway Project)	Shared-Use Path	6	0.6	3.0	11	13	\$61,905	\$619,054	\$185,716	\$0	\$4,024
10	Main Street - Gilbert Road to the Consolidated Canal	Cycle Track	4	0.2	1.0	13	14	\$29,386	\$293,865	\$88,159	\$58,773	\$1,528
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14	Eastern Canal - University Drive to Broadway Road	Shared-Use Path	5	1.1	2.0	13	15	\$114,812	\$1,148,120	\$344,436	\$0	\$7,463
15	US 60 R.O.W. - Gilbert Road to Lindsay Road	Shared-Use Path	6	1.0	2.0	13	15	\$99,266	\$992,663	\$297,799	\$0	\$6,452

Next Projects Proposed

Top 40 Featured Projects															
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2	Loop 202 San Tan Freeway R.O.W. - Baseline Road to U.S. 60	Shared-Use Path	6	0.6	4.0	6	10	\$61,905	\$619,054	\$185,716	\$0	\$4,024			
3	Riverview/Rio Salado Pathway - Wrigleyville West to Dobson Road	Shared-Use Path	1	0.5	3.0	8	11	\$48,503	\$485,030	\$145,509	\$0	\$3,150			
4	West Mesa Connector - Center Street to Dobson Road	Shared-Use Path	1	2.0	3.0	9	11	\$200,760	\$2,007,601	\$610,080	\$0	\$13,111			
★	★	5	Main Street - Consolidated Canal to Power Road	Cycle Track	2	5.8	1.0	10	11	\$720,029	\$7,200,291	\$2,160,087	\$ 1,440,058	\$37,442	
6	US 60 R.O.W. - Lindsay Road to Recker Road	Shared-Use Path	2	4.0	2.0	10	12	\$399,760	\$3,997,601	\$1,199,280	\$0	\$25,984			
7	Porter Park Pathway - Mesa Drive to McKellips Road	Shared-Use Path	2	0.0	2.0	10	10	\$100,000	\$1,000,000	\$300,000	\$0	\$10,000			
8	Southern Avenue - West City Limit (District) to Extension Road	Shared-Use Path	3	1.8	2.0	11	13	\$180,000	\$1,800,000	\$540,000	\$380,000	\$11,700			
9	Loop 202 San Tan Freeway - Power Road to Baseline Road (5th Street Shared Use Pathway Project)	Shared-Use Path	2	5.5	3.0	11	13	\$550,000	\$5,500,000	\$1,650,000	\$0	\$30,000			
★	★	★	10	Main Street - Gilbert Road to the Consolidated Canal	Cycle Track	4	0.2	1.0	13	14	\$29,386	\$293,865	\$88,159	\$58,773	\$1,528
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13	Dobson Road - Broadway Road to Rio Salado Parkway/8th Street	Bike Lane	6	2.0	2.0	14	15	\$80,000	\$800,000	\$240,000	\$150,000	\$7,000			
★	★	14	Eastern Canal - University Drive to Broadway Road	Shared-Use Path	5	1.1	2.0	13	15	\$114,812	\$1,148,120	\$344,436	\$0	\$7,463	
★	★	15	US 60 R.O.W. - Gilbert Road to Lindsay Road	Shared-Use Path	6	1.0	2.0	13	15	\$99,266	\$992,663	\$297,799	\$0	\$6,452	

Questions

