Report and Recommendations on Amending Pima County's 1997 and 2004 General Obligation Bond Ordinances, and the 1997 Highway User Revenue Fund Bond Ordinance

Pima County Bond Advisory Committee, March 9, 2018

I. Background

Pima County Code Chapter 3.06, the "Truth in Bonding" code, requires that bond implementation plan ordinances be amended to reflect substantial modifications to bond-funded projects. The code defines what constitutes a "substantial modification," and when an amendment must be adopted in relation to actions of the Board that implement affected projects. The code also requires that amendments to bond ordinances be considered and adopted by the Board at public hearings, after advance public notice, and only after review by the County Bond Advisory Committee.

This round of bond ordinance amendments affects two projects from the 1997 General Obligation Bond Program, one project from the 2004 General Obligation Bond Program, and 12 projects from the 1997 Highway User Revenue Fund (HURF) bond program. Similar to last year's amendments to the 1997 General Obligation Bond Program, three of these are the result of the February 2017 bond sale, whereby the County sold all of the remaining 1997 and 2004 general obligation bonds. The intent is to spend the bond funds remaining as effectively and as soon as possible.

1997 General Obligation Bonds

SW-2 Tangerine Landfill Closure
SW-4 El Camino Del Cerro Environmental Remediation

2004 General Obligation Bonds

5.4 Tohono O'odham Nation Drainage Improvements

1997 HURF Bonds

DOT-6 Magee Road, La Canada Drive to Oracle Road
DOT-11 Drexel Road, Tucson Boulevard to Alvernon Way
DOT-20 La Cholla Boulevard, Ruthrauff Road to River Road
DOT-23 Thornydale Road, Cortaro Farms Road to Linda Vista Boulevard
DOT-24 Mainsail Boulevard and Twin Lakes Drive, Twenty-Seven Wash Vicinity
DOT-31 Tanque Verde Road, Catalina Highway to Houghton Road
DOT-41 Neighborhood Transportation Improvements
DOT-44 Orange Grove Road, Thornydale Road to Oracle Road
DOT-50 Kinney Road, Ajo Way to Bopp Road
DOT-53 Old Tucson-Nogales Highway-Summit Neighborhood
DOT-57 Safety Improvements
DOT-59 Road Repair and Pavement Preservation

II. Ordinance Amendment Requirements Per the Truth In Bonding Code

Section 3.06.070 of Pima County's Truth in Bonding Code establishes procedures for making changes to a bond implementation plan ordinance. Recognizing that over time the availability of more detailed design and cost information, and changes in circumstances, may require changes in

a bond implementation plan presented to the voters at the time of a bond election, Section 3.06.070 authorizes the Board to amend bond implementation plans to accommodate "substantial modifications" to projects. Substantial modifications are defined as:

1. An increase or decrease in total actual project costs by 25 percent or more
2. An increase or decrease in actual bond costs by 25 percent or more
3. An increase or decrease in actual other revenues by 25 percent or more; for projects with other revenues estimated at zero, a substantial modification shall be defined as an increase in "other" (non-bond) revenues of $100,000 or more
4. A delay in a project construction or implementation schedule of 12 months or more
5. A delay in the scheduled sale of bonds of 24 months or more
6. Any project that is not constructed
7. Any project that is added to those to be constructed
8. Any increase or decrease in the project scope that alters the disclosed project benefits
9. All changes to a bond implementation plan necessitated by only a portion of the proposed bond questions being approved at the special election

The Pima County Bond Advisory Committee is tasked with reviewing and making recommendations to the Board of Supervisors regarding all proposed bond ordinance amendments.

III. Recommended Amendments

The bond ordinances are attached to this report with language that is being deleted shown in the "strike-out format" (~~example~~), while new language that is being added to the ordinance is underlined (example). In this format, the ordinances only contain those projects that are being amended; not the entirety of the ordinance.

A brief description of the recommended ordinance amendments impact on each project is presented below.

1997 General Obligation Bonds

SW-2 Tangerine Landfill Closure
SW-4 El Camino Del Cerro Environmental Remediation

The Tangerine Landfill Closure project was completed last fiscal year. The El Camino del Cerro Environmental Remediation project has $484,451 in bond funds remaining but the capital project is completed and the site is ready to proceed to a maintenance phase. Ongoing groundwater testing is an operating cost not a capital cost and therefore will be budgeted in the future as part of Pima County's Department of Environmental Quality's operating budget. At the same time, funding is needed for closure activities at the Ina Road Landfill. This ordinance amendment would transfer the remaining bond funding from El Camino del Cerro Environmental Remediation Project to Tangerine Landfill Closure project, and add Ina Road Landfill to the scope of the project to permit the funding to be spent on closure activities at the Ina Road landfill. The bond funded Ina Road Landfill closure activities are scheduled to be completed by the end of this Fiscal Year, June 30, 2019.

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2004 General Obligation Bonds

5.4 Tohono O'odham Nation Drainage Improvements

An initial storm drain project was completed in 2015 in the vicinity of the Tohono O'odham Sells Youth Recreation Center, at a cost of $606,489. Since then there have been multiple unsuccessful efforts to identify an additional project and execute the required intergovernmental agreement (IGA). On October 18, 2017, Regional Flood Control District staff met with the Executive Director of Planning and Economic Development for the Tohono O'odham Nation. Since the Nation is unable to execute a project in the near future, and the bond funds have already been sold, the District recommends that the funding be reallocated to another project. When the Nation is ready to proceed with a project and a new IGA, the District will fund that project with non-bond funding. This ordinance amendment would expand the scope of this project to permit spending of the remaining bond funds on the City of Tucson El Rio Golf Course Drainage Improvement Project. The City of Tucson has requested that the District assist them in addressing residential flooding that occurs downstream of the golf course. The project will include retention/detention improvements within the golf course and is anticipated to be substantially completed by October, 2018.

1997 HURF Bonds

Reallocation of Remaining Bond Funds to DOT-59 Road Repair and Pavement Preservation

This ordinance amendment would create a new project, DOT-59 Road Repair and Pavement Preservation. This project will provide funding to address the Pima County Department of Transportation's top priority, which is repairing roads in the unincorporated Pima County. The project would be funded with cost savings from nine other bond projects. Six of these bond projects were completed at a cost less than estimated, two are budgeted for completion at a cost less than previously estimated, and one project is recommended to be retired. The cost savings total $16 million in bond funding which would then be allocated to the new project. In some cases, the non-bond "other funding" is also being reduced in the ordinance to the amount spent. The status of these nine projects is included below.

DOT-6 - Magee Road, La Canada Drive to Oracle Road

The Magee Road, La Canada Drive to Oracle Road project was completed in November 2015. It was funded with a combination of RTA, Federal and County HURF Bonds. Due to a favorable bidding climate at the time of construction and the utilization of RTA and bond funds to leverage Federal funding, the total bond funds were less than estimated. This amendment reduces the bond funding and other funding to match actual funds expended on the project.

DOT-11 - Drexel Road, Tucson Boulevard to Alvernon Way

Drexel Road, Tucson Blvd to Alvernon Way was completed in January 2013. In 2013 the Bond Ordinance was amended reducing the project scope and bond funding allocation to align with the projected traffic needs at the time. The current amendment further reduces the

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bond allocation to the actual bond funds expended on the project.

DOT-20 - La Cholla Boulevard, Ruthrauff Road to River Road

La Cholla Blvd, Ruthrauff Road to River Road was completed in November 2011 and was primarily funded by the RTA. Due to the significant funding contribution from the RTA the entire bond allocation for this project was not expended. This amendment reduces the bond allocation and other funding to match actual funds expended on the project.

DOT-24 - Mainsail Boulevard and Twin Lakes Drive, Twenty-Seven Wash Vicinity

The Mainsail Boulevard and Twin Lakes Drive project is recommended for retirement. The costs of the project have been determined to outweigh the benefits. Growth in the vicinity of Mainsail Boulevard has not been significant enough to warrant initiating this project. Traffic volumes in the area of Mainsail have been relatively level since 1997. For example, traffic counts taken on Twin Lakes in 1996 showed 929 Average Daily Traffic (ADT) and in 2008, the last year counts are available, showed and increase to only 1281 ADT. On Hawser, which is the east-west street that connects to Oracle Road south of Mainsail, the counts have actually decreased from 3160 in 1996 to 2438 in 2014. Given the low growth, and decreased traffic volumes on Hawser Road, the benefits to adding a new all-weather crossing over Twenty-Seven Wash do not outweigh the costs that would be required to construct this roadway. Compared to other regional needs for all-weather access, this project ranks relatively low. This amendment reduces the bond allocation match actual funds expended on the project.

DOT-31 - Tanque Verde Road, Catalina Highway to Houghton Road

Tanque Verde Road, Catalina Highway to Houghton Road was completed in September 2011 with significant funding from the RTA. Due to the significant funding contribution from the RTA, the entire bond allocation for this project was not expended. This amendment reduces the bond allocation to match actual bond funds and other funds expended on the project.

DOT-41 – Neighborhood Transportation Improvements

DOT-41 HURF bond funded 16 projects between 2002 and 2015 throughout County Supervisorial District 2. At this time there are no further improvements planned and this amendment reduces the bond allocation to match actual bond funds expended on the projects.

DOT-44- Orange Grove Road, Thornydale Road to Oracle Road

Construction of Orange Grove from Camino de la Tierra to La Canada, the most heavily traveled segment, was completed in July 2014. Additionally, the road was widened to include a two-way left-turn lane from La Canada to Oracle to address safety issues, and construction of this segment was funded with DOT-57 Safety Improvements. In 2013, the ordinance was

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amended to modify the scope and reduce the bond funding. This amendment reduces the bond funding further to match the actual funds expended.

DOT-50 - Kinney Road, Ajo Way to Bopp Road

Construction of Ajo Way (SR 86) and Kinney is currently in progress and being managed by ADOT. Pima County will begin construction of improvements at Bopp Road and Kinney in the second half of 2018. This amendment reduces the bond funding to align with the current forecasted project budget.

DOT-53 - Old Tucson-Nogales Highway-Summit Neighborhood

This project was completed in November 2015 and included funding from the RTA. This amendment reduces the bond allocation to match actual bond funds expended on the project.

DOT-57 - Safety Improvements

To date DOT-57 has funded 99 projects, with other projects planned. Funds are primarily used as a means to leverage federal funding for safety projects. This amendment reflects a minor reduction to the bond allocation for DOT-57, and would still reserve $9 million in bond funding for future safety improvement projects.

DOT-23 - Thornydale Road, Cortaro Farms Road to Linda Vista Boulevard

The scope of the Thornydale Road, Cortaro Farms Road to Linda Vista Boulevard is being revised to reflect the changing priorities of Pima County from traffic capacity expansion to pavement repair and preservation. This section of Thornydale Road would no longer be widened to four lanes. Instead the project would widen and pave the shoulders, and repair the existing pavement with a mill/overlay. No change in bond funding is recommended, but other funding would be reduced. The project is scheduled to begin this summary and be completed by late 2018.

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ORDINANCE 2018-

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY ARIZONA RELATING TO HIGHWAY USER REVENUE FUND REVENUE BOND PROJECTS AMENDING ORDINANCE NUMBER 1997-80 BOND IMPLEMENTATION PLAN, NOVEMBER 4, 1997 SPECIAL ELECTION (AS PREVIOUSLY AMENDED) FOR THE PURPOSE OF AMENDING SCOPE, BOND FUNDING, OTHER FUNDING AND IMPLEMENTATION PERIODS FOR CERTAIN PROJECTS.

The Board of Supervisors of Pima County (the "Board") finds that:

A. The Board of Supervisors adopted Chapter 3.06 of the Pima County Code titled "Bonding Disclosure, Accountability and Implementation;" and

B. In compliance with Chapter 3.06, the Board of Supervisors adopted Ordinance Number 1997-80, the "Transportation Bond Implementation Plan, November 4, 1997 Special Election;" and

C. The Board of Supervisors, has previously amended the Transportation Bond Implementation Plan a number of times in compliance with Chapter 3.06; and

D. The Board of Supervisors desires to again amend Ordinance Number 1997-80 (as previously amended) in compliance with provisions of Chapter 3.06.

BE IT ORDAINED by the Board of Supervisors of Pima County, Arizona. that:

Ordinance Number 1997-80 (as previously amended) is hereby amended as follows:

6) <u>DOT-6 - Magee Road, La Canada Drive to Oracle Road</u>

NOTE: This project is now part of the Regional Transportation Authority (RTA) project #12 Magee Road, La Canada Drive to Oracle Road. RTA project scope is to widen to a 4-lane arterial roadway with bike lanes and sidewalks. Project construction to start in RTA Period 2.

Location:	Unincorporated County
Bond Funding:	~~$3,750,000~~ 2,958,214
Scope:	The project consists of widening Magee Road between La Canada Drive and Oracle Road to a four-lane cross section with a raised landscaped median, multi-use lanes, outside curbs, storm drains, landscaping and pedestrian facilities. This project also includes intersection improvements at Oracle Road. A box culvert will be constructed to carry Pegler Wash under Magee Road and provision will be made for other transverse drainage.
Benefit:	The project will reduce congestion and enhance safety along Magee Road.

Other Funding: ~~$16,196,000~~ 12,467,429 (~~$5,850,000~~ 4,472,540 Regional Transportation Authority) (~~$10,246,000~~ 7,539,999 Surface Transportation Program (Federal Funds) (~~$100,000 County HURF~~ 454,890 Miscellaneous Revenue)

Implementation Period: 3/4/7/8/9

Future Annual Operating & Maintenance Costs: $18,000

11) **DOT-11 - Drexel Road, Tucson Boulevard to Alvernon Way**

Location: Unincorporated County, Tucson

Bond Funding: ~~$2,500,000~~ 2,223,269

Scope: The proposed project is to widen Drexel from Tucson Blvd thru the Alvernon intersection to Belvedere. This widening will provide multi-use, paved shoulders along both sides of Drexel and includes a full width overlay. This project will also provide the same improvements to County Club Road from Drexel to Milber.

Benefit: Roadway widening will increase traffic safety and multi-modal use along this segment of Drexel and the full width overlay will significantly increase the life of the roadway.

Other Funding: None Proposed

Implementation Period: 4/5/6/7/8

Future Annual Operating & Maintenance Costs: $22,500

20) **DOT-20 - La Cholla Boulevard, Ruthrauff Road to River Road**

NOTE: This project is now part of a Regional Transportation Authority (RTA) project. Amendments to scope, implementation periods, and funding may be necessary in the future.

Location: Tucson

Bond Funding: ~~$2,075,000~~ 1,656,000

Scope: Proposed project is part of an improvement for the entire La Cholla corridor to provide an additional transportation facility of regional significance to serve the northwest area. The proposed project includes widening of La Cholla Boulevard from Ruthrauff Road north to River Road, including a new Rillito River Bridge. The proposed project will have six through traffic lanes with raised landscape median, multi-use lanes, outside curbs, storm drains and landscaping. Neighborhood noise mitigation will be incorporated in the

vicinity of residential areas.

Benefit: This project will provide additional regional access into the heavily developed northwest area.

Other Funding: ~~$17,490,000~~ 16,580,062($14,759,999 Regional Transportation Authority)
(~~1,561,000~~ $1,000,000 12.6% HURF)
(~~1,169,000~~ $389,768 Impact Fees)
($168,079 County HURF)
($262,216 Miscellaneous Revenue)

Implementation Period: 2/3/4/5/6/7

Future Annual Operating & Maintenance Costs: $69,000

23) DOT-23 - Thornydale Road, Cortaro Farms Road to Linda Vista Boulevard

Location: Unincorporated County

Bond Funding: $1,000,000

Scope: ~~This project will widen existing Thornydale Road to a four-lane divided cross section with raised landscape median, outside curbs, multi-use lanes, storm drains, landscaping and noise mitigation and screening adjacent to residential areas where warranted. The project will improve access and safety in the vicinity of Arthur Pack Regional Park and Mountain View High School. The project will include a drainage structure to carry Hardy Wash and other transverse drainages under Thornydale Road.~~ This project will widen the existing Thornydale Road to include paved shoulders and mill/overlay the existing pavement.

Benefit: ~~The project will reduce traffic congestion and enhance safety along Thornydale Road. The estimated economic value of the improvements to traffic flow and reductions in accidents are $51.44 million. The benefit/cost ratio is 6.9:1.~~ The project will provide a new driving surface for Thornydale Road improving the comfort and drivability of the existing roadway and reducing wear and tear on vehicles.

Other Funding: ~~$6,547,000~~ 2,438,168(~~800,000~~ 808,298 Urban Area HURF) (1,575,000 HURF Bond Premium) (~~5,700,000~~ 8,650 County HURF) (46,220 Other)

Implementation Period: 5/6/7/8/9/10/11/12

Future Annual Operating & Maintenance Costs: $22,500

24) DOT-24 - Mainsail Boulevard and Twin Lakes Drive, Twenty-Seven

Wash Vicinity

Location: Unincorporated County (Catalina)

Bond Funding: ~~$2,700,000~~ 240,643

Scope: The proposed improvements include construction of Mainsail Boulevard as a two-lane road across Twenty-seven Wash between Oracle Highway and Twin Lakes Drive/Forecastle Avenue. The extension of Twin Lakes north of Mainsail to Tortolita Street will also be considered as part of this project. The improvements will consist of a two-lane roadway and box culvert structure to carry the wash under the road. Proposed improvements will provide improved all-weather access to Catalina and will provide alternatives to residential streets for access from existing neighborhoods out to Oracle Highway. Note: This project was retired. The costs of the project far outweighed the benefits.

Benefit: The project benefits include revision of connections in the collector street system in Catalina per the Lago del Oro Plan and provision of all-weather access for major portions of the community. The new connections will allow traffic to divert from local neighborhood streets to the collector roadway system. The project will also improve response for emergency vehicles.

Other Funding: None Proposed

Implementation Period: 8/9/10/11/12

Future Annual Operating & Maintenance Costs: $21,000

31) DOT-31 - Tanque Verde Road, Catalina Highway to Houghton Road

NOTE: This project is now part of a Regional Transportation Authority (RTA) project. Amendments to scope, implementation periods, and funding may be necessary in the future.

Location: Unincorporated County, Tucson

Bond Funding: ~~$2,432,000~~ 1,403,401

Scope: The project is the widening of Tanque Verde Road to four lanes with multi-use lanes, improved roadside drainage, landscaping and neighborhood screening and noise mitigation where required. The median treatment will be either a raised landscape median or a median two-way left-turn lane pending further evaluation of local area access and circulation needs. Project will include a drainage structure to carry Castle Rock Wash under Tanque Verde Road.

Benefit: This project will reduce congestion and enhance safety along Tanque Verde Road. The estimated economic value of the improvements to traffic flow and reductions in accidents are $7.21 million. The benefit/cost ratio is

1.0:1.

Other Funding: ~~$13,568,000~~ 12,655,817 (~~12,833,000~~ 10,884,798 Regional Transportation Authority) (~~693,000~~ 1,246,324 12.6% HURF) (~~42,000~~ 37,176 County HURF) (487,519 City of Tucson)

Implementation Period: This project is planned for RTA Implementation Period 1 (2007-2011).

Future Annual Operating & Maintenance Costs: $25,500

41) **DOT-41 – Neighborhood Transportation Improvements**

Location: Supervisor District 2

Bond Funding: ~~$7,400,000~~ 6,835,503

Scope: The project will construct improvements to neighborhood streets, including but not limited to sidewalks, bike lanes, street lighting, neighborhood traffic mitigation measures, street paving, and ADA pedestrian improvements.

Benefit: The project will enhance the usability and safety of neighborhood streets, improve the quality of life in neighborhoods, and add to the stability of and reinvestment in neighborhoods.

Other Funding: Matching funds from other jurisdictions as available

Implementation Period: 2/3/4/5/6/7/8/9/10/11/12

Future Annual Operating & Maintenance Costs: Minimal

44) **DOT-44- Orange Grove Road, Thornydale Road to Oracle Road**

Location: Unincorporated County & Marana

Bond Funding: ~~$15,000,000~~ 10,586,180

Scope: This project will improve safety, operations, and capacity along the Orange Grove corridor thru the construction of additional lanes. The most heavily traveled segment, from Camino de la Tierra to La Cañada will be increased to a five-lane section. This section will consist of two thru lanes in both directions plus a two-way center turn lane. In addition, turn lanes and acceleration and deceleration lanes will be designed at Mona Lisa to meet current and future traffic movements. Other features, such as improved shoulders, a pedestrian path on one side of the road, landscaping, and sound-barrier walls, if warranted, will be designed now and built when funding is available. These improvements will match into the existing five lane section from Thornydale to Camino de la Tierra, which remains

adequate for that segment. From La Cañada to Oracle a three lane section will be constructed to provide one thru lane in both directions plus a two-way center turn lane.

Note: The Orange Grove Road and La Cholla Boulevard intersection was constructed as part of the La Cholla Boulevard, River Road to Magee Road project (see DOT-45). The intersection of Orange Grove Road and La Cañada Drive will be completed as part of the non-bond federal aid project, La Cañada Drive, River Road to Ina Road.

Benefit: The project will reduce congestion and enhance safety along Orange Grove Road and at the intersecting street intersections. The estimated economic value of the improvements to traffic flow and reductions in accidents are $295.48 million.

Other Funding: $228,396 ($56,771 Regional Transportation Authority, $89,065 City of Tucson, $79,864 Utility Relocation, $2,496 County Highway User Revenue Fund, $200 Other Miscellaneous Revenue)

Implementation Period: 3/4/7/8/9

Future Annual Operating & Maintenance Costs: $126,000

50) **DOT-50 - Kinney Road, Ajo Way to Bopp Road**

Location: Unincorporated County

Bond Funding: ~~$3,800,000~~ 1,309,828

Scope: This project will completely rebuild the Kinney Road-State Route 86 (Ajo Highway) intersection. These efforts will include widening both the southern and northern legs of the intersection in order to provide adequate traffic capacity. Intersection improvements will also include a new drainage culvert under the south leg of Kinney Road to provide all weather crossing during storm events. This phase of the work will be designed and constructed by ADOT as part of their State Route 86 improvement program.

Future site specific, warranted improvements will be constructed to address traffic safety and/or operational issues as needed.

Benefit: The project will reduce congestion and enhance safety along Kinney Road. The estimated economic value of the improvements to traffic flow and reductions in accidents are $4.81 million.

Other Funding: $3,031,606 ($2,741,765 Impact Fees) ($ 200,000 Urban HURF,12.6%) ($513 County HURF) ($89,328 Misc.)

Implementation Period: 5/6/7/8/9 /10/11/12

Future Annual Operating & Maintenance Costs: $9,000

53) **DOT-53 - Old Tucson-Nogales Highway-Summit Neighborhood**

Location: Unincorporated County

Bond Funding: ~~$1,100,000~~ 1,016,357

Scope: This project proposes left-turn lanes in two directions of traffic, which will require an extension/reconstruction of the drainage structure to the east of Nogales Hwy. Additionally, roadway transition(s) are proposed on Old Nogales east of the intersection to reshape the intersection with ninety degree approaches.

The local area is subject to significant drainage problems associated with the roads. The project will construct or improve roadside drainage ditches parallel to Summit Street, McKain Road and Old Tucson/Nogales Highway within the existing right-of-way to increase conveyance towards the existing culverts under the railroad. Small detention facilities will also be constructed east of the Summit-Old Tucson/Nogales neighborhood and McKain Road/Terry Lane intersection to control the magnitude of roadside drainage and to eliminate ponding within these intersections.

Benefit: Project benefits will accrue to local neighborhoods with a safer access, particularly during wet weather conditions. The roadway construction will reduce the expense of operation and maintenance as the intersections collect substantial sediments and debris during wet weather conditions. The improved intersection alignment will allow for safer access onto Nogales Highway (B-19).

Other Funding: ~~$1,300,000~~ 1,005,897 RTA and County HURF

Implementation Period: 1/2/3/4/5/6/7/8/9

Future Annual Operating & Maintenance Costs: No Increase

57) **DOT-57 - Safety Improvements**

Location: Various

Bond Funding: ~~32,683,414~~ $32,635,414

Scope: The HURF Revenue Bond includes $32.6 million for presently undesignated safety improvements that would be implemented over the course of the bond program. Projects to be funded under this category are traffic safety improvements. The Department of Transportation publishes annual reports on the traffic accident and safety condition of the

unincorporated roadway system. Improvements to be funded with bonds could include traffic signal installations, corrections of offset intersection, installation of left turn lanes, minor improvements to horizontal and vertical alignments to improve sight distance and maintain vehicle control, and similar types of specifically targeted safety projects. Specific projects will be selected by the Department for incorporation into the annual Capital Improvement Program based on the Department's assessment or ranking of conditions, or when unforeseen safety conditions require a project necessary for public safety.

Benefits: Previous Pima County General Obligation Bonds have included specific amounts targeted to safety improvements. These previous allocations have demonstrated substantial safety benefits. Fifty locations were improved with traffic safety bond funds authorized in the 1979 and 1980 bond elections. The overall accident reduction from both highway segment and intersection improvements was 26.3 percent (source "Evaluation of the Traffic Accident Experience of Completed Traffic Safety Projects Financed with 1979 and 1980 Bond Issue Funds" Traffic Engineering Division, Pima County Department of Transportation, February 1990).

Other Funding: RTA sales tax, grants, donations and other sources as made available by project partners.

Implementation Period: 1/2/3/4/5/6/7/8/9/10/11/12

Future Annual Operating & Maintenance Costs: To be determined

59) DOT-59 – Road Repair and Pavement Preservation

Location: Unincorporated Pima County

Bond Funding: $16,000,000

Scope: This project will provide funding to repair and preserve the existing public roadways in unincorporated Pima County.

Benefits: A good road repair and pavement preservation program supports the mission to provide safe and efficient transportation of people and goods in Pima County, reducing wear and tear on vehicles and the subsequent cost for repairs.

Other Funding: $0
Implementation Period: 11

Future Annual Operating & Maintenance Costs: No Increase

AS AMENDED by the Board of Supervisors of Pima County, Arizona, on this ___ day of _____, 2018.

_____
Chairman, Pima County Board of Supervisors

Attest:

Reviewed by:

_____
Clerk, Pima County Board of Supervisors

_____
County Administrator

Approved as to Form:

_____
Civil Deputy County Attorney

Bond Project	Project Description	1997 Bond Allocation	Amended Bond Allocation	Available Bond	Comments	Status
DOT-6	Magee Road, La Canada Drive to Oracle Road	$3,750,000	$2,958,214	$791,786	Other funding utilized, bonds less than estimated.	Complete
DOT-11	Drexel Road, Tucson Blvd. to Alvernon Way	$2,500,000	$2,223,269	$276,731	Prior amendment reduced scope, this amendment reduces allocation to amount spent.	Complete
DOT-20	La Cholla Blvd., Ruthrauff Rd to River Rd	$2,075,000	$1,656,000	$419,000	Other funding utilized, bonds less than estimated.	Complete
DOT-23	Thornydale Rd, Cortaro Farms Rd to Linda Vista Blvd.	$1,000,000	$1,000,000	$0	Change in Scope	Under Development w/construction planned for 2018
DOT-24	Mainsail Blvd. & Twin Lakes Dr, 27 Wash Vicinity	$2,700,000	$240,643	$2,459,357	Growth in the vicinity of Mainsail has not been significant to warrant project.	Retired
DOT-31	Tanque Verde Rd, Catalina Hwy to Houghton Rd	$2,432,000	$1,403,401	$1,028,599	Other funding utilized, bonds less than estimated.	Complete
DOT-41	Neighborhood Transportation Improvements	$7,400,000	$6,835,503	$564,497	Projects complete and this amendment reduces allocation to actual bonds spent.	Helped fund 16 projects; no additional projects planned; considered complete
DOT-44	Orange Grove Rd, Thornydale Rd to Oracle Rd	$15,000,000	$10,586,180	$4,413,820	Prior amendment reduced scope, this amendment reduces allocation to amount spent.	Complete
DOT-50	Kinney Rd, Ajo Way to Bopp Rd	$3,800,000	$1,309,828	$2,490,172	ADOT project will improve intersection at Ajo and this amendment reduces allocation to match actual bonds needed.	Under Development
DOT-53	Old Tucson-Nogales Hwy - Summit Neighborhood	$1,100,000	$1,016,357	$83,643	Other funding utilized, bonds less than estimated.	Complete
DOT-57	Safety Improvements	$32,683,414	$32,635,414	$48,000	Minor reduction in allocation and reserves $9 million for future projects.	Minor reduction; This funding source continues to be used on traffic safety projects - with many currently under development
	Sub-total			$12,575,605		
	Prior Amended and Unallocated Bonds			$3,424,395		
	Total			**$16,000,000**		

Add

DOT-59	**Road Repair and Pavement Preservation**	$0	**$16,000,000**

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Proposed Roadways for $16 Bond

Route	From	To	Length	Treatment Cost
Thornydale	Cortaro	Cmo Del Norte		$1,300,000
Hacienda Del Sol	River	Sunrise		$472,250
Pontatoc	River	Sunrise		$586,957
Oracle Janes Station	Jaynes Cl	San Joaquin		$80,397
Snyder	Placita Del Sol	Avenida De La Colina		$198,437
Ina	Pima Canyon	Campbell		$340,481
Territory	Craycroft	Grey Mountain Tr		$350,000
Magee	1st Avenue	EOR		$185,000
Swan	S City Limit	Los Reales		$812,965
Avra Valley	Marana Town Limits	Marana Town Limits		$224,000
Avra Valley	Pump Station	west EOM		$2,224,559
Colossal Cave	I-10	New Improvement		$350,000
Abrego	Santa Rebecca	Continental		$264,709
Escalante	Houghton	Old Spanish Trail		$599,252
Santa Rebecca	EOR	Abrego		$81,000
Cardinal	Placita Arida	Pincushion		$159,105
Irvington	Caballo	Mesquite Hills		$313,816
Sorrel	Los Reales	Tetakusim		$72,000
Sabino Canyon				$252,000
Overton				$258,552
La Cholla				$511,705
River				$359,830
Pantano				$45,000
Forecastle				$216,366
Christie				$402,605
Cmo Los Brazos				$95,000
Avenida Del Oro				$99,512
Stallion				$174,559
Calle Barril				$37,000
Trico				$425,184
San Joaquin				$1,250,073
Sweetwater				$129,127
Fort Lowell				$542,595
Snyder				$383,745
Soldier Trail				$730,865
Houghton				$322,211
Cmo Encanto				$166,185
Speedway				$422,515
Sweetwater				$127,564
				$15,567,121