



# MEMORANDUM

Date: August 12, 2016

To: The Honorable Chair and Members  
Pima County Board of Supervisors

From: C.H. Huckelberry  
County Administrator

Re: Pima County Roadway System Expenditures for the Last Five Years

A review was recently conducted of our Transportation Department's expenditures for major roadway improvements, road repairs and traffic control devices over the last five years. The attached report from the Transportation Director reflects the following:

## Pima County Roadway System Expenditures, Last Five Years.

| Description  | Quantity  | Cost (Millions) |
|--|---|-----------------|
| Major Road Improvements Completed  | 19 projects<br>30 miles                                   | \$266.0         |
| Major Road Improvements Active   | 7 Projects<br>15 miles                                    | 95.5            |
| Potholes Filled  | 826,500   | 9.24            |
| Pavement Preservation  | 225 miles   | 28.8            |
| Traffic Signs; Installed, Repaired or Replaced                               | 65,000  | 4.5             |
| Pavement Striping; Lane miles marked or remarked                             | 9,100 miles   | 5.7             |
| Traffic Signals and Facilities (signals, street lights, HAWK flashers, etc.) | 104 signalized intersections<br>550 electrical facilities | 5.7             |
| <b>Total Expenditures</b>  |   | <b>\$415.44</b> |

These expenditures represent a considerable investment in our transportation system. Capacity improvements are possible because of the availability of federal and regional monies for such. Pavement preservation is accomplished entirely with local funds, including supplementary funding from the General Fund as approved by the Board of Supervisors.

I will continue to recommend the following strategies to generate the additional revenue necessary to appropriately repair and maintain Pima County's roadway system:

1. A more equitable distribution of County Highway User Revenue Funds (HURF);
2. An elimination of State sweeps of HURF monies;
3. An immediate half-cent sales tax on the ballot for voter approval; and
4. A long overdue increase in the statewide gas tax.

The Honorable Chair and Members, Pima County Board of Supervisors  
Re: **Pima County Roadway System Expenditures for the Last Five Years**  
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The need to generate increased and new transportation revenues is obvious, and study after study documents the correlation between effective transportation systems and economic growth opportunity. If we increase transportation revenues, we will become an important competitor for economic expansion. If we do not, Arizona will stagnate while neighboring states reap the benefits of an efficient transportation system and economic expansion.

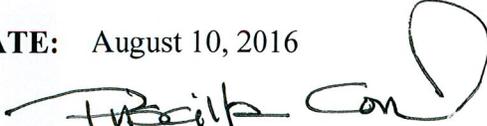
CHH/mjk

Attachment

c: John Bernal, Deputy County Administrator for Public Works  
Priscilla Cornelio, Director, Transportation

**DATE:** August 10, 2016

**TO:** John M. Bernal  
Deputy County Administrator

  
**FROM:** Priscilla S. Cornelio, P.E.  
Director

**SUBJECT: Statistics on Road Improvements**

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In response to your request for statistics regarding the road improvement program, we are providing the following:

### **Major Road Improvements**

In summary, over the last five years, capital roadway improvement projects have consisted of the following:

#### Completed

- ✓ 19 major roadway projects completed.
- ✓ Total miles of roadway improved is approximately 30 miles.
- ✓ Total project investment is approximately \$266 million.

In addition, there are the following active projects:

#### Active

- ✓ Seven major roadway projects (either in design or construction).
- ✓ Total miles of roadway that will be improved is approximately 15 miles.
- ✓ Total project investment is approximately \$95.5 million.

Please see attached spreadsheet for additional details regarding each project.

### **Roadway Repairs**

In summary, over the last five years, roadway repairs have consisted of the following:

#### Potholes

- ✓ Approximately 826,500 potholes have been repaired.
- ✓ Total investment is approximately \$9.24 million, coming from County Highway User Revenue Fund (HURF).

#### Pavement Preservation

- ✓ Approximately 225 miles have received pavement preservation treatment.
- ✓ Total investment is approximately \$28.8 million, coming from the following sources:
  - County HURF, Intra-fund Transfer (fund balance transfer within the Department), General Fund, DOT 41, and DOT 57.

John M. Bernal

## **Statistics on Road Improvements**

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### **Traffic Control Devices**

In summary, over the last five years, operations and maintenance in traffic control devices have consisted of the following:

#### Signs

- ✓ Out of an existing in-field sign inventory of over 85,000 signs, approximately 65,000 sign assemblies have been either installed, repaired, or replaced. The typical life span of a sign panel is approximately ten years, and sign support is 15 years if they are not damaged or vandalized.
- ✓ Total investment is approximately \$4.5 million, with the majority coming from County HURF, and supplemented with DOT-57, and HSIP (Highway Safety Improvement Program).

#### Striping

- ✓ Approximately 4,600 miles (equivalent 9,100 lane miles) of roadway have been marked and re-marked. This includes multiple re-markings of the same roadways as typical life span of markings by normal road wear varies between one to five years. Traffic paint can be expected to last from one to three years, tape/thermoplastic will last from three to four years and retro-reflective raised pavement markers will last from three to seven years.
- ✓ Total investment is approximately \$5.7 million, with the majority coming from County HURF, and supplemented with DOT-57, and HSIP.

#### Signals

- ✓ Approximately 104 signalized intersections and 550 miscellaneous electrical facilities (street lights, intersection beacons, HAWK flashers, etc.) have been installed, operated, maintained, and/or upgraded. Typical durability of signal and lighting components and features vary between one to 30 years if they are not damaged or vandalized.
- ✓ Total investment is approximately \$5.7 million, with the majority coming from County HURF, and supplemented with DOT-57, HSIP, and Regional Transportation Authority (RTA).

If you need any further information, please let us know.

PSC:RE:sv

Attachment

c: Ana Olivares, Deputy Director  
Rick Ellis, Deputy Director  
Dave Cummings, Maintenance and Operations Division Manager  
Seth Chalmers, Traffic Engineering Division Manager  
Sal Caccavale, CIP Advocacy Manager

**PIMA COUNTY TRANSPORTATION PROJECTS  
COMPLETED FY12 thru FY16 and CURRENTLY ACTIVE (August 9, 2016)**

**COMPLETED PIMA COUNTY TRANSPORTATION PROJECTS, FY2012 THRU FY2016**

| PROJ. No. | PROJECT NAME                               | COMPLETION DATE  | TOTAL EXPENSES | Approximate LENGTH | Comment | BOS District | 97 Bonds | RTA       | 12.6% HURF (State) | County HURF | Federal    | DIFO      | COT       | Utility   | Other     |
|-----------|--|--|----------------|--------------------|---------|--------------|----------|-----------|--------------------|-------------|------------|-----------|-----------|-----------|-----------|
| 1         | CTR.4VAKDP                                 | TR - Valencia Rd Alvernon Way to Wilmot RTA24                | 11/20/2015     | 36,445,709         | 3.25    |              | 2        | 508,000   | 31,460,237         | 50,897      | -          | -         | 3,681,521 | 31,592    | 713,462   |
| 2         | CTR.4LCRRI                                 | TR - La Canada River Rd to Ina Rd RTA11                      | 2/9/2015       | 31,060,228         | 2.75    |              | 1 (3)    | -         | 9,358,928          | -           | 15,382,701 | 3,105,900 | 181,964   | 2,280,165 | 750,570   |
| 3         | CTR.4RTCCI                                 | TR - La Canada Ina Rd to Calle Concordia RTA11 (portion of)  | 9/30/2011      | 25,743,491         | 2.40    |              | 1        | 4,031,889 | 18,296,350         | -           | -          | 3,399,830 | -         | -         | 15,423    |
| 4         | CTR.4RTLTM                                 | TR - La Cholla Blvd Magee Rd to Overton Rd RTA04             | 7/2/2014       | 25,125,782         | 1.50    |              | 1        | -         | 22,923,618         | -           | -          | 2,119,341 | -         | 59,986    | 22,837    |
| 5         | CTR.4RTMLI                                 | TR - Magee Rd Cortaro Farms Rd Mona Lisa to La Canada RTA07  | 4/30/2013      | 24,125,453         | 1.55    |              | 1        | -         | 22,324,531         | -           | -          | 1,462,792 | -         | -         | 338,129   |
| 6         | CTR.4MCFTL                                 | TR - Magee Rd Cortaro Farms Rd Thornydale Rd to Mona Lisa    | 7/1/2013       | 23,461,144         | 1.85    |              | 1        | -         | 7,228,358          | 13,757,410  | 4,829      | 2,245,132 | -         | -         | 225,411   |
| 7         | CTR.4LCITR                                 | TR - La Cholla Blvd Ruthrauff Rd to River Rd                 | 10/31/2011     | 18,236,062         | 0.75    |              | 3 (1)    | 1,656,000 | 14,759,999         | 1,000,000   | 168,079    | 389,768   | 211,861   | -         | 50,355    |
| 8         | CTR.4RTVMW                                 | TR - Valencia Rd Mark Rd to Wade Rd RTA21                    | 4/20/2016      | 18,232,189         | 1.50    |              | 5 (3)    | -         | 4,132,102          | -           | 9,689,133  | 4,174,691 | 169,808   | -         | 66,455    |
| 9         | CTR.4MRLCO                                 | TR - Magee Rd La Canada Dr to Oracle Rd RTA 12               | 11/30/2015     | 15,406,752         | 1.20    |              | 1        | 2,939,350 | 4,472,540          | 1,617       | 7,539,999  | -         | 314,741   | 2,112     | 136,393   |
| 10        | CTR.4TVCHH                                 | TR - Tanque Verde Rd Catalina Hwy to Houghton Rd RTA27       | 9/30/2011      | 14,034,294         | 2.10    |              | 4        | 1,378,479 | 10,884,799         | 1,246,324   | 37,176     | -         | 487,519   | -         | -         |
| 11        | CTR.4HARDR                                 | TR - Hughes Access Road Relocation                           | 11/30/2015     | 10,406,845         | 3.85    | [1]          | 2        | -         | -                  | 10,406,095  | -          | -         | -         | -         | 750       |
| 12        | CTR.4OGCAM                                 | TR - Orange Grove Rd Cmno de la Tierra La Cholla Blvd        | 7/30/2014      | 6,521,360          | 1.50    |              | 1        | 6,295,459 | 56,771             | -           | -          | -         | 89,065    | 79,864    | 200       |
| 13        | CTR.4RTIRO                                 | TR - Ina Rd at Oracle Rd Intersection                        | 12/30/2013     | 5,860,782          | 0.00    | Intersection | 1        | -         | 5,464,575          | -           | -          | 358,292   | -         | -         | 37,916    |
| 14        | CTR.4COLRV                                 | TR - Cmno de Oeste Los Reales Valencia Rd                    | 1/25/2013      | 2,935,043          | 1.00    |              | 5        | -         | -                  | 2,868,445   | 11,247     | -         | -         | -         | 55,351    |
| 15        | CTR.4RTAWV                                 | TR - Alvernon Way - Valencia Rd Intersection Improvements    | 12/22/2011     | 2,539,174          | 0.00    | Intersection | 2        | -         | 2,302,973          | -           | -          | 209,901   | 26,300    | -         | -         |
| 16        | CTR.4HDBPE                                 | TR - Homer Davis Elementary Bicycle & Pedestrian Enhancement | 8/6/2014       | 2,498,359          | 0.50    |              | 3        | 446,048   | 350,107            | -           | 488,626    | 1,193,803 | -         | -         | 19,773    |
| 17        | CTR.4CVBWV                                 | TR - Camino Verde Brightwater Way to Valencia                | 4/1/2015       | 1,404,499          | 0.53    | [2]          | 3        | -         | -                  | -           | -          | 34,417    | 31,540    | -         | 1,338,542 |
| 18        | CTR.4CCMIL                                 | TR - Country Club Drexel to Milber Tucson Blvd Country Club  | 1/31/2013      | 1,167,019          | 1.65    |              | 2        | 1,167,024 | -                  | -           | -          | -         | -         | -         | -         |
| 19        | CTR.4OGLTL                                 | TR - Orange Grove TWLTL & Bike Lns La Canada Rd to Oracle Rd | 11/30/2014     | 943,154            | 1.20    |              | 1        | 940,966   | -                  | -           | -          | -         | -         | -         | 2,189     |
| 20        | YELLOW = PCDOT Major Project               |  |                |                    |         |              |          |           |                    |             |            |           |           |           |           |
| 21        |  |  |                |                    |         |              |          |           |                    |             |            |           |           |           |           |
| 22        | MAJOR PROJECT TOTAL \$'s, FY12 thru FY16 = |  | 266,147,341    | 29.6 miles         |         |              |          |           |                    |             |            |           |           |           |           |
| 23        |  |  |                |                    |         |              |          |           |                    |             |            |           |           |           |           |
| 24        |  |  |                |                    |         |              |          |           |                    |             |            |           |           |           |           |
| 25        |  |  |                |                    |         |              |          |           |                    |             |            |           |           |           |           |

**TRANSPORTATION PROJECTS CURRENTLY ACTIVE IN PIMA COUNTY DOT'S 5-YEAR & 10-YEAR PLANS**

| PROJ. No. | PROJECT NAME                  | EXPENDED THRU FY16                                      | FORECAST TOTAL | Approximate LENGTH | Comment     | BOS District | 97 Bonds   | RTA        | 12.6% HURF (State) | County HURF | Federal | DIFO       | COT       | Utility | Other     |
|-----------|-------------------------------|---|----------------|--------------------|-------------|--------------|------------|------------|--------------------|-------------|---------|------------|-----------|---------|-----------|
| 28        | CTR.4CFCOT                    | TR - Cortaro Farms Rd Cmno de Oeste to Thornydale       | 1,792,372      | 19,225,371         | 1.50        |              | 1          | 43,845     | 16,361,231         | 90,760      | -       | 2,729,535  | -         | -       | -         |
| 29        | CTR.4HARDRx                   | TR - Hughes Access Road Relocation (extra services)     | 2,293,875      | 2,293,875          | 0.00        | [1]          | 2          | -          | 2,293,875          | -           | -       | -          | -         | -       | -         |
| 30        | CTR.4RTCCS                    | TR - Colossal Cave Rd Success Dr & Ruthrauff Culvert    | 1,150,905      | 8,042,000          | 0.87        |              | 4          | -          | 1,400,001          | -           | -       | 5,569,999  | -         | -       | 1,072,000 |
| 32        | CTR.4RTSUN                    | TR - Sunset Rd Silverbell Rd to I-10 to River Rd RTA08  | 9,250,502      | 19,894,701         | 0.64        |              | 1          | -          | 7,348,654          | 6,302,316   | -       | 3,743,031  | 2,500,000 | -       | 700       |
| 33        | CTR.4RTVWE                    | TR - Valencia Rd Wade Rd to Ajo                         | 395,638        | 25,000,000         | 3.20        |              | 3          | -          | 9,957,537          | -           | -       | 15,042,463 | -         | -       | -         |
| 34        | CTR.4RTWNS                    | TR - Wilmot Rd North of Sahuarita Rd RTA33              | 1,182,665      | 10,340,000         | 7.00        |              | 4 & 2      | -          | 9,800,000          | -           | -       | 540,000    | -         | -       | -         |
| 35        | CTR.4TTCLV                    | TR - Thornydale Rd Cortaro Farms Rd to Linda Vista Blvd | 953,412        | 10,700,000         | 2.00        |              | 1          | 1,000,000  | 8,059,298          | 8,650       | -       | 12,493     | -         | -       | 1,619,559 |
| 36        | CTR.4BBECC                    | Broadway Blvd Euclid to Campbell to County Club         | 1,347,247      | 25,000,000         | 1.90        |              | 2 & 5      | 25,000,000 | -                  | -           | -       | -          | -         | -       | -         |
| 37        | CTR.4HRSTV                    | Houghton Rd I-10 to Golf Links Rd RTA 32 (portion of)   | 7,903,889      | 37,285,177         | 13.00       |              | 4          | 20,000,000 | -                  | -           | -       | 17,285,177 | -         | -       | -         |
| 38        | CTR.4KINOP                    | 22nd St I-10 to Tucson Blvd Improvements                | 788,250        | 10,000,000         | 2.60        |              | 2          | 10,000,000 | -                  | -           | -       | -          | -         | -       | -         |
| 39        | YELLOW = PCDOT Major Project  |   |                |                    |             |              |            |            |                    |             |         |            |           |         |           |
| 40        | BLUE = COT Major Project      |   |                |                    |             |              |            |            |                    |             |         |            |           |         |           |
| 41        | TOTAL \$'s (ALL PROJECTS) =   |   | 27,058,755     | 167,781,124        | 32.71 miles |              |            |            |                    |             |         |            |           |         |           |
| 42        | TOTAL \$'s (PCDOT PROJECTS) = |   | 17,019,369     | 95,495,947         | 15.21 miles |              | 1,043,845  | 28,506,192 | 33,016,720         | 99,410      | -       | 27,637,521 | 2,500,000 | -       | 2,692,259 |
| 43        | TOTAL \$'s (COT PROJECTS) =   |   | 10,039,386     | 72,285,177         | 17.50 miles |              | 55,000,000 | -          | -                  | -           | -       | 17,285,177 | -         | -       | -         |

Comments:

- [1] For this analysis 4HARDRx was created to represent remaining work (TEP + other) & 4HARDR is the completed roadway.
- [2] This "Other" amount is misleading because eventually at least half will end up being DIFO.