# Substantially Completed Projects

<table>
<thead>
<tr>
<th>Milling and Paving Projects</th>
<th>Curb Ramp Projects</th>
<th>Surface Treatment Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Town of Ajo – 11/19</td>
<td>• Green Valley Curb Ramps – 11/18</td>
<td>• Crackseal – 2/17</td>
</tr>
<tr>
<td>• La Bella &amp; New Day – 12/10</td>
<td>• Catalina &amp; Central Area ADA – 11/24</td>
<td>• Surface Treatments – 4/29</td>
</tr>
<tr>
<td>• Avra Foothills &amp; Avra Ranchita – 3/8</td>
<td>• South Area Curb Ramps - 3/18</td>
<td>• Northpointe / Raintree – 5/24</td>
</tr>
<tr>
<td>• Central Low Volume – 4/19</td>
<td>• North of CDO Curb Ramps – 5/20</td>
<td>• Casas Adobes / Wildwood – 5/24</td>
</tr>
<tr>
<td>• BOS District 1 Area B – 4/22</td>
<td></td>
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</tr>
<tr>
<td>• Central High Volume – 5/6</td>
<td></td>
<td></td>
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<tr>
<td>• Tucson Estates - 5/20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Northpointe / Raintree – 5/24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Casas Adobes / Wildwood – 5/24</td>
<td></td>
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</tbody>
</table>
In Construction

Curb Ramp Projects:

Countryside Area Curb Ramps – 80%
- Construction began 11/29/21
- Countryside Vista (1-386), Countryside (191-447), North Pointe Ridge (1-151) - Complete
- Saguaro Vista / Sheva Vista - In Progress
- On Schedule to wrap up by the end of the month

South of CDO Curb Ramps – 70%
- Construction began 12/6/21
- Casas Adobes Park Complete
- North Point Terrace / North Pointe Village / Raintree (1-124) / Wildwood Park (226-414) Complete
- Couple ramps with cable line conflicts left to finish
- Punch List items
In Construction

**Paving Projects:**

**BOS District 1 & 3 – Avra Valley/Catalina – 65%**
- Construction began 2/14/22
- Avra Valley Road paving complete, Finishing in Catalina

**BOS Districts 1 & 4 – 63%**
- Construction began 12/13/21
- Paving well underway

**BOS District 1 Area A – 83%**
- Construction began 12/27/21
- Paving should be complete at the beginning of June

**BOS District 1 & 3 – 69%**
- Construction began 1/10/22
- Paving underway

**BOS District 5 – 0%**
- NTP issued for 5/23
- Utility Lowering underway, paving in June

**Arivaca Area – 99%**
- Pulverization Complete
- Repairs will occur in fall
- Sewer Manhole adjustments complete

**Green Valley Mill & Pave – 20%**
- Started work on 4/4/22
- Magee Ranch Road paving complete
- Working on Mission and Helmet Peak

**Southeast Milling & Paving – 92%**
- Working on Crossovers and punch list in J-6
- Mary Ann Cleveland will be done in June

**JOC – Cardinal Est & Mission Rdg -5%**
- Construction began 4/11/22
- Utility lowering complete
- Milling and Paving began 5/4/22

**JOC – Manzanita Terrace -96%**
- Construction began 3/25/22
- Paving complete
- Working on final utility adjustments and punch list

**JOC – Northpointe Saguaro / Sheva -1%**
- Construction began 5/2/22
- Utility Lowering complete
- Paving Complete in Northpointe & Sheva
- Paving in Saguaro scheduled for June

**JOC – Countryside Vista – 0%**
- NTP coming soon
- Work schedule for June

**JOC – Sunnyhills Estates – 0%**
- NTP issued for 5/23
- Utility Lowering underway, paving in June

**JOC – NW Metro – 0%**
- NTP issued for 5/23
- Utility Lowering underway, paving in June
Paving Photos – Green Valley – Magee Ranch Rd
Paving Photos – Avra Valley & Catalina
The project consists of milling and replacing pavement (2” plane/mil and 2” pave) the roadways within the Countryside Vista (1-386) subdivision.

**Project Specifics**
- BOS District 1
- Procurement: JOC
- Contractor: Markham
- Engineers Est: $1,316,750
- Low Bid: $1,586,585.46
- Locals: 2.47 Mi.
- Arterial/Collector: 0 Mi.
Summerhaven

The project consists of a combination of 2" mill & pave and pavement overlay of the local roads in the Summerhaven community.

**Project Specifics**

BOS District 4  
Procurement: JOC  
Contractor: TBD

Engineers Est: $1.65M to 1.75M  
Low Bid: **Bid Opening 5/24**

Locals: 4.2 Mi.  
Arterial/Collector: 0 Mi.

RE-Advertised with a project completion date of Oct 1, 2022
Countryside M&P

The project consists milling and replacing pavement (2” plane/mil and 2” pave) the roadways within the Countryside (1-190 and 191-447) subdivisions.

**Project Specifics**
- BOS District 1
- Procurement: JOC
- Contractor: TBD

Engineers Est: $1.8M to 1.9M
Low Bid: Bid Opening 5/25

Locals: 3.83 Mi.
Arterial/Collector: 0 Mi.

Re-advertised with a completion date of 9/1/22
# Program Status by the Numbers

<table>
<thead>
<tr>
<th>Units</th>
<th>FY22 Totals</th>
<th>Advertised</th>
<th>Awarded - Not Started</th>
<th>In Construction</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADA Ramps Each</td>
<td>796</td>
<td>0.00</td>
<td>0</td>
<td>509.00</td>
<td>287.00</td>
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<tr>
<td>Arterial / Collector Roads Miles</td>
<td>139</td>
<td>0.00</td>
<td>5.14</td>
<td>119.66</td>
<td>12.57</td>
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<tr>
<td>Local Roads Miles</td>
<td>183.5</td>
<td>10.50</td>
<td>26.95</td>
<td>123.76</td>
<td>25.04</td>
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<tr>
<td>Surface Treatments Miles</td>
<td>27.8</td>
<td>0.00</td>
<td>0</td>
<td>0.00</td>
<td>27.81</td>
</tr>
</tbody>
</table>

Original Program Budget = $85.5 M
Revised Program Budget = $97.5M

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![Project Status by Dollars](chart.png)
ADA Curb Ramp Improvements

Variables Affecting Program Cost for ADA Ramps

- Number of Curb Ramps
- Types of Ramps
- Material Costs

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Program Total</th>
<th>Curb Ramp Cost</th>
<th>Curb Ramps Completed</th>
<th>%</th>
<th>Cost / Ramp</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-22</td>
<td>$ 97,919,279.44</td>
<td>$ 7,947,438.44</td>
<td>796</td>
<td>8%</td>
<td>$ 9,984.22</td>
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<tr>
<td>20-21</td>
<td>$ 56,000,000.00</td>
<td>$ 4,659,398.34</td>
<td>764</td>
<td>8%</td>
<td>$ 6,098.69</td>
</tr>
</tbody>
</table>
Benefit-Cost Analysis

Identifies sections for repair that are:
  • Best Candidates
  • Highest return for the dollars spent

Two Basic Approaches:
  • Fix Funds & Maximize Benefits
  • Set Conditions and Minimize Costs

For Fiscal Year Lists – Fix Funds Approach Used
  • Available Budget
  • Amount for Surface Treatments
  • Inflation Rate
Benefit-Cost Analysis

Better Condition Over Longer Time Gives Better Return on Funds Invested

PCI

AGE

Condition Increase

Treatment Applied

EFFECTIVENESS
Benefit-Cost Analysis

• The Weighted Effectiveness Ratio (WER) is calculated for each section needing work in the 1st year
• Mill and Replace is separated into one group and Surface Treatments into another
• All roads needing to be Milled and Replaced are ranked from highest to lowest WER
• Roadway sections are selected until the funds are exhausted.
• Same process is applied to the Surface Treatment group
FY 23 Program

Presented by
Jason Boley
FY 23 Program

$66.8 Million Total Budget

Local Roads Mill and Pave - $35 Million (95.8 miles)
- 49 different subdivisions
- 17 additional local roadway segments not associated with a subdivision
- Will include ADA Ramp upgrades where necessary

Arterials and Collector Roads Mill and Pave – $29 Million (94.5 miles)
- Chosen based on benefit to cost ratio list
- Prioritized collector roadways in subdivisions on local list
- 70 different arterial / collector roadway segments

Arterials and Collector Roads Surface Treatments – $2.75 Million (94.5 miles)
- Chosen based on benefit to cost ratio list
- 60 different roadway segments
- Combination of treatments including crack sealing, fog seals, micro seals, and chip seals
Road Repair & Preservation Projects Map

The Road Repair and Preservation Projects Application provides public information about past, current, and future roadway improvement projects throughout Unincorporated Pima County.

Past and current projects will be updated as necessary and new 30-Year Road Repair plan projects will be added as they are selected.

Use the filter under the search bar to filter the map by project status and/or project year.

Zoom in to see additional projects.

Map Legend:
- Road Projects
  - Planned
  - Active Construction
  - Complete

http://www.pima.gov/RoadRepairMap
Discussion

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