## West Slope Road/Bridge Capital Improvement Program

## West Slope Road/Bridge Capital Improvement Program

On December 19, 2011, the Board approved a reduced Residential Permit Forecast. The forecast enables the Department of Transportation (DOT) to forecast revenues associated with Traffic Impact Mitigation (TIM) fees, which are used as part of the funding for West Slope Road/Bridge (West Slope) Capital Improvement Projects (CIP). For reference, the Approved Permit Forecast is summarized here:

| Long, Slow Climb | Fiscal Year <br> 10/11 Actual | Fiscal <br> Year 11/12 | Fiscal Year <br> $12 / 13$ | Fiscal Year <br> $13 / 14$ | Fiscal Year <br> $14 / 15$ |
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| Permit Forecast | 68 | 67 | 80 | 104 | 135 |
| TIM Revenues <br> Forecast | $\$ 2.0 \mathrm{M}$ | $\$ 2.1 \mathrm{M}$ | $\$ 2.0 \mathrm{M}$ | $\$ 2.2 \mathrm{M}$ | $\$ 2.7 \mathrm{M}$ |
| Actual Permits through April 2012 | 115 |  |  |  |  |
| Actual TIM Revenue through April <br> 2012 | $\$ 3.1 \mathrm{M}$ |  |  |  |  |

On February 14, 2012, the Board approved the TIM Fee Program Annual Update, which incorporated reductions to fees (and, therefore, reductions in Forecasted Revenues shown above), as well as reductions to cost estimates of the West Slope's CIP Projects associated with TIM Fee projects.

Due to reductions in forecasted TIM Fee Revenues, DOT will be shifting the focus of this Program over the next several years toward projects that have funding. Examples include the Silva Valley Interchange as well as various grant-funded projects (e.g., bridge and safety projects). As TIM Fee funding permits, DOT will continue to work on several key regional projects including Diamond Springs Parkway.

DOT has continued to pursue potential Federal grants for rural bridge rehabilitation/replacement, which require little or no matching funds. This effort facilitates delivering these bridge projects now, avoiding the need for maintenance or replacement at a future date when grant funding may no longer be available. DOT has added 12 new bridge projects to the CIP which qualify for $100 \%$ Federal funding.

## Project Prioritization

DOT uses several criteria to prioritize road improvement projects including:

- Estimated Construction Start
- First fiscal year the project is planned to be in construction.
- Projects estimated to start construction in FY 12/13 or 13/14 are more desirable.
- Supports Economic Development in the County of El Dorado
- Projects that would help create connections to pave the way for new commercial development are more desirable.
- For projects with proposed scopes that don't include construction, DOT denotes that these projects will support economic development once constructed.
- DOT Safety Ranking
- Projects are rated High, Medium, or Low based on the likelihood that they would improve safety conditions once constructed.
- For projects with proposed scopes that don't include construction, DOT estimates what the safety rating would be once the project is constructed.
- Medium or High ranked projects are more desirable.
- Capacity/Traffic Relief
- 2011 traffic counts Average Daily Trips (ADTs) are reviewed for existing roads to provide a relative sense of how heavily they are used.
- For proposed new roads, projected ADTs are provided from recent traffic studies.
- Projects on roads with ADTs around 10,000 or higher are more desirable.
- Funding/Grant Leveraging
- Projects are ranked High, Medium, or Low based on their ability to attract grant funding (High = higher likelihood of attracting grant funding).
- Medium or High projects are more desirable.
- Caltrans Sufficiency Rating (applicable to Bridge projects)
- This is Caltrans' bridge inspection rating; bridges with scores under 80 are eligible for rehabilitation, and bridges with scores under 50 are eligible for replacement.
- All bridge projects added to the current CIP are eligible for rehabilitation or replacement.


## Economic Development

DOT has identified "economic development" areas of high importance in the County and has included a summary of how DOT projects fit within these areas. See the map which follows this introduction.

A "Project Summary Table", which follows the map, summarizes all of the projects in the 20 year CIP, and provides a guide to the project numbers indicated on the map.

## 10 Year CIP Total Expenditures

DOT's total expenditures for the 10 year CIP are approximately $\$ 267 \mathrm{M}$ which includes funding from all sources:


## Indices

Indices provide alternate ways to locate detailed project summaries.
Information in tabs 2A. through 2C. provide the following information on the CIP:

## 2A. Individual Projects - Grouped by Project Type

"Individual Projects" are provided for the 10 Year CIP; these are grouped by project type and provide detailed descriptions, timing, cost and revenue information. The "Revenues" section of each project summary lists the various funding sources for each project and can include many different sources, including, for example, TIM Fee funds, State and Federal grants, developer advances, etc. The "Expenditures" section of each project summary includes the various types of costs planned to be incurred for each project. These are described briefly below:

- "Planning/Env - Staff" and "Planning/Env - Consultant": Typically the first step in the project delivery process, it includes all costs related to planning the project including the preliminary design and research required to complete the environmental analysis. Where needed, this step also includes the costs associated with monitoring the environment affected by the project to ensure any impacts are mitigated. "- Staff" refers to the cost for DOT staff's time while "- Consultant" includes all other costs (e.g., staff time from non-DOT departments, external
consultants who specialize in environmental analysis, rental of monitoring equipment, etc.)
- "Design - Staff" and "Design - Consultant": Includes all costs related to creating the project plans, specifications and engineer's cost estimates to make a project bidready. This phase usually begins in earnest after environmental analysis has been certified by the Board of Supervisors, and it can be done in parallel with right-of-way acquisition. "- Staff" refers to the cost for DOT staff's time while "- Consultant" includes all other costs.
- "Right of Way - Staff", "Right of Way - Consultant", "Right of Way - Acquisition": Includes all costs related to determining what real estate is needed for a project, and then acquiring it. This phase begins after environmental analysis has been certified by the Board of Supervisors, and can be done in parallel with Design. "Staff" refers to the cost for DOT staff's time; "- Acquisition" refers to the cost of land; and "- Consultant" includes all other costs.
- "Construction Mgmt - Staff", "Construction Mgmt - Consultant": Includes all costs related to managing, overseeing, and inspecting a project once the project has been bid and awarded to an external firm for construction. "- Staff" refers to the cost for DOT staff's time while "- Consultant" includes all other costs.
- "Direct Construction Costs": Refers to the actual cost to build the project.


## 2B. Future Projects Beyond Fiscal Year 2020/2021

A list summarizing the projects that will be built beyond fiscal year 2020/2021 is included to provide a complete picture of the CIP. Future summaries include total projected costs for each project, including funds spent to date.

## 2C. TIM Fee Program Cash Proformas

TIM Fee Program Cash Proformas show how TIM Fee revenues are used and what is left in each TIM Fee fund at the end of each year. Pending and approved reimbursements are also noted in this section.


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|  | Project \＃ | Name |
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| 1 | 53110 | U．S． 50 HOV Lanes（Phase 1）－El Dorado Hills to Bass Lake Grade |
| 2 | 53113 | U．S． 50 HOV Lanes（Phase 2A）－Bass Lake Road to Cameron Park Drive |
| 3 | 71336 | U．S．50／Missouri Flat Road Interchange Improvements－Phase 1B |
| 4 | 72370 | Silva Valley Parkway Widening（2 to 4 Lanes） |
| 5 | 72372 | White Rock Rd Widening（2 to 4 lanes）－Latrobe Road to Monte Verde Drive／Windfield Intersec |
| 6 | 73354 | Durock Road／Business Drive Intersection Signalization |
| 7 | 77109＊ | Green Valley Road at Tennessee Creek－Bridge Replacement |
| 8 | 77118＊ | Wentworth Springs Road at Gerle Creek－Bridge Replacement |
| 9 | 77121＊ | Ice House Road Bridges－Maintenance Project |
| 10 | 53124 | U．S． 50 HOV Lanes Phase 0 |
| 11 | 66109 | Bass Lake Road Full Improvements－Phase 1A |
| 12 | 71328 | U．S．50／Silva Valley Parkway Interchange－Phase 1 |
| 13 | 72304 | Northside School Class I Bike Path－Phase 1 （SR193） |
| 14 | 72306 | Northside School Class I Bike Path－Phase 2 （SR49） |
| 15 | 72307 | Cameron Park Class 2 Bike Lanes |
| 16 | 72308 | New York Creek Trail（East）－Phase 2 |
| 17 | 72369 | Hollow Oak Road Drainage |
| 18 | 73320 | Pleasant Valley Road（SR 49）／Patterson Drive Intersection Signalization |
| 19 | 73358 | Pleasant Valley Road at Oak Hill Road Intersection Improvements |
| 20 | 73359 | Latrobe Road North of Ryan Ranch Road（Milepost 7．0－7．35） |
| 21 | 73360 | Cold Springs Road Realignment |
| 22 | 73362 | Salmon Falls Road South of Glenesk Lane Realignment |
| 23 | 76107 | Silver Springs Pkwy to Green Valley Rd（north segment）／Green Vly Rd Intersection Signalizatio |
| 24 | 76114 | Green Valley Road／Deer Valley Road West Intersection Improvements |
| 25 | 77117＊ | Rubicon Trail at Ellis Creek－Bridge Replacement |
| 26 | 77130＊ | Mt．Aukum Road at North Fork Cosumnes River－Bridge Maintenance Project |
| 27 | 97005 | New York Creek Trail（East）－Phase 1 |
| 28 | 71346 | U．S．50／Missouri Flat Road Interchange Improvements－Phase 1C Riparian Restoration |
| 29 | 71358 | Francisco Drive Right－Turn Pocket |
| 30 | 72375 | Diamond Springs Parkway－Phase 1A－SR－49 Realignment |
| 31 | 77114＊ | Green Valley Road at Weber Creek－Bridge Replacement |
| 32 | 77115＊ | Sly Park Road at Clear Creek Crossing－Bridge Replacement |
| 33 | 77116＊ | Bucks Bar Road at the North Fork Cosumnes River－Bridge Rehabilitation |
| 34 | 77133＊ | Cosumnes Mine Road at North Fork Cosumnes River－Bridge Maintenance Project |
| 35 | 76108 | Silver Springs Pkwy to Bass Lake Rd（south segment） |
| 36 | 77119＊ | Blair Road at EID Canal－Bridge Replacement |
| 37 | 77123＊ | Alder Drive at EID Canal－Bridge Replacement |
| 38 | 77125＊ | Hazel Valley Road at PG\＆E Canal－Bridge Replacement |
| 39 | 77131＊ | Ice House Road at Jones Fork Silver Creek－Bridge Maintenance Project |
| 40 | 77132＊ | Bayne Road at Dutch Creek－Bridge Maintenance Project |

 Greenstone Road at Slate Creek－Bridge Replacement
Clear Creek Road at Clear Creek（PM 1．82）－Bridge Replacement Green Valley Road at Mound Springs Creek－Bridge Replacement Hanks Exchange at Squaw Hollow Creek－Bridge Replacement Clear Creek Road at Clear Creek（PM 0．25）－Bridge Replacement El Dorado Trail－Los Trampas to Halcon Intelligent Transportation System（ITS）Improvements
 U．S． 50 Mainline Widening at El Dorado Hills
Bass Lake Frontage Improvements－Silver Spring Bass Lake Frontage Improvements－Silver Springs Latrobe Road／White Rock Road Connector（New Road）
U．S．50／EI Dorado Hills Boulevard Interchange Improvem
 Saratoga Way Extension－Phase 1
U．S．50／Bass Lake Road Interchang


U．S．50／Ponderosa Rd Interchange－Durock Rd Realignment


U．S．50／El Dorado Road Interchange Improvements－Phase 1

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GP125 Country Club Drive Ext. - West Bass Lake Hills SP Boundary to Silver Dove Rd
82 GP126 Country Club Drive Realignment - Bass Lake Road to east Bass Lake Hills Specific Plan Bound 83 GP130 Runnymeade Drive Realignment at El Dorado Road

84 GP137 White Rock Road Widening (2 to 4 lanes) - Manchester Drive to Sacramento County Line GP144 Cameron Park Drive Widening - Palmer Drive to Meder Road GP147 Saratoga Way Extension - Phase 2

GP148 U.S. 50/Bass Lake Road Interchange Improvements - Phase 2 GP149 U.S. 50/Cambridge Road Interchange Improvements - Phase 2 GP150 U.S. 50 Auxiliary Lane Eastbound - Cambridge to Ponderosa

GP152 White Rock Road Widening - 4 to 6 Lanes, Latrobe Road to US50/Silva Valley Parkway Interch GP154 Latrobe Road Widening (4 to 6 lanes) - White Rock Road to Carson Creek (Suncast Lane) GP155 Mother Lode Drive - Greenstone Road to Pleasant Valley Road

GP159 Green Valley Road Widening from Salmon Falls Road to Deer Valley Road
GP160 Pleasant Valley Road Widening from El Dorado Road to State Route 49
GP163 Missouri Flat Rd Two-Way Left Turn Lane - El Dorado Rd to Headington Rd
GP165 Missouri Flat Road Widening, Headington Road to Prospector's Plaza

GP171 Durock Road Widening - Robin Lane to South Shingle Road
GP173 Pleasant Valley Road Widening - Pearl Place to Big Cut Road in Diamond Springs
GP174 Pleasant Valley Road Widening from Big Cut Road to Cedar Ravine Road
Ponderosa Road Widening from North Shingle Road to Meder Road

| GP176 | State Route 49 Widening from Pleasant Valley Road to Missouri Flat Road |
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| GP177 | State Route 49 Passing Lanes from SR193 (in Cool) to the northern County Line |

GP178 Green Valley Road Widening - Francisco to Salmon Falls Road

| GP179 | Green Valley Road Widening - Deer Valley Road East to Lotus Road |
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| GP182 | Silva Valley Parkway/Golden Eagle Lane Intersection Signalization |

GP183 El Dorado Hills Boulevard Widening - Lassen Lane to Park Drive
Metal Beam Guardrail Installation - Various Locations
71319 U.S. 50/Camino Area Parallel Capacity/Safety Study
11072355 Green Valley Road Widening - County Line to Francisco Drive


|  | Project \# |  |
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| 81 | GP125 | Country Club Drive Ext. - West Bass Lake Hills SP Boundary to Silver Dove Rd |
| 82 | GP126 | Country Club Drive Realignment - Bass Lake Road to east Bass Lake Hills Specific Plan Bound |
| 83 | GP130 | Runnymeade Drive Realignment at El Dorado Road |
| 84 | GP137 | White Rock Road Widening (2 to 4 lanes) - Manchester Drive to Sacramento County Line |
| 85 | GP144 | Cameron Park Drive Widening - Palmer Drive to Meder Road |
| 86 | GP147 | Saratoga Way Extension - Phase 2 |
| 87 | GP148 | U.S. 50/Bass Lake Road Interchange Improvements - Phase 2 |
| 88 | GP149 | U.S. 50/Cambridge Road Interchange Improvements - Phase 2 |
| 89 | GP150 | U.S. 50 Auxiliary Lane Eastbound - Cambridge to Ponderosa |
| 90 | GP152 | White Rock Road Widening - 4 to 6 Lanes, Latrobe Road to US50/Silva Valley Parkway Interch |
| 91 | GP154 | Latrobe Road Widening (4 to 6 lanes) - White Rock Road to Carson Creek (Suncast Lane) |
| 92 | GP155 | Mother Lode Drive - Greenstone Road to Pleasant Valley Road |
| 93 | GP159 | Green Valley Road Widening from Salmon Falls Road to Deer Valley Road |
| 94 | GP160 | Pleasant Valley Road Widening from El Dorado Road to State Route 49 |
| 95 | GP163 | Missouri Flat Rd Two-Way Left Turn Lane - El Dorado Rd to Headington Rd |
| 96 | GP165 | Missouri Flat Road Widening, Headington Road to Prospector's Plaza |
| 97 | GP166 | Bass Lake Road Widening - U.S. 50 to Silver Springs Parkway, Phase 1B |
| 98 | GP171 | Durock Road Widening - Robin Lane to South Shingle Road |
| 99 | GP173 | Pleasant Valley Road Widening - Pearl Place to Big Cut Road in Diamond Springs |
| 100 | GP174 | Pleasant Valley Road Widening from Big Cut Road to Cedar Ravine Road |
| 101 | GP175 | Ponderosa Road Widening from North Shingle Road to Meder Road |
| 102 | GP176 | State Route 49 Widening from Pleasant Valley Road to Missouri Flat Road |
| 103 | GP177 | State Route 49 Passing Lanes from SR193 (in Cool) to the northern County Line |
| 104 | GP178 | Green Valley Road Widening - Francisco to Salmon Falls Road |
| 105 | GP179 | Green Valley Road Widening - Deer Valley Road East to Lotus Road |
| 106 | GP182 | Silva Valley Parkway/Golden Eagle Lane Intersection Signalization |
| 107 | GP183 | El Dorado Hills Boulevard Widening - Lassen Lane to Park Drive |
| 108 | OP005 | Metal Beam Guardrail Installation - Various Locations |
| 109 | 71319 | U.S. 50/Camino Area Parallel Capacity/Safety Study |
| 110 | 72355 | Green Valley Road Widening - County Line to Francisco Drive |

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## Project Index Sorted by Project Name

| Project <br> Number | Project Description | Total Cost | Page Number |
| :---: | :---: | :---: | :---: |
| West Slope Road and Bridge |  |  |  |
| 77123 | Alder Drive at EID Canal - Bridge Replacement | \$2,961,410 | 4 |
| 66115 | Bass Lake Frontage Improvements-Silver Springs | \$1,501,529 | 88 |
| 66109 | Bass Lake Road Full Improvements - Phase 1A | \$7,404,079 | 90 |
| 77128 | Bassi Road at Granite Creek - Bridge Replacement | \$4,230,000 | 6 |
| 77132 | Bayne Road at Dutch Creek - Bridge Maintenance Project | \$167,000 | 8 |
| 77119 | Blair Road at EID Canal - Bridge Replacement | \$3,681,985 | 10 |
| 77116 | Bucks Bar Road at the North Fork Cosumnes River - Bridge Rehabilitation | \$4,848,653 | 12 |
| 72307 | Cameron Park Class 2 Bike Lanes | \$157,000 | 82 |
| 77139 | Clear Creek Road at Clear Creek (PM 0.25) - Bridge Replacement | \$4,585,250 | 14 |
| 77138 | Clear Creek Road at Clear Creek (PM 1.82) - Bridge Replacement | \$4,134,375 | 16 |
| 73360 | Cold Springs Road Realignment | \$1,663,974 | 92 |
| 77133 | Cosumnes Mine Road at North Fork Cosumnes River - Bridge Maintenance Project | \$267,500 | 18 |
| 72375 | Diamond Springs Parkway - Phase 1A - SR-49 Realignment | \$5,927,000 | 94 |
| 72334 | Diamond Springs Parkway - Phase 1B | \$24,085,760 | 96 |
| 73354 | Durock Road/Business Drive Intersection Signalization | \$2,268,688 | 68 |
| 97012 | El Dorado Trail - Los Trampas to Halcon | \$520,957 | 76 |
| 71358 | Francisco Drive Right-Turn Pocket | \$240,000 | 98 |
| 77127 | Green Valley Road at Indian Creek - Bridge Replacement | \$4,500,000 | 20 |
| 77136 | Green Valley Road at Mound Springs Creek - Bridge Replacement | \$4,504,000 | 22 |
| 77109 | Green Valley Road at Tennessee Creek - Bridge Replacement | \$6,441,765 | 24 |
| 77114 | Green Valley Road at Weber Creek - Bridge Replacement | \$10,573,233 | 26 |
| 72355 | Green Valley Road Widening - County Line to Francisco Drive | \$9,184,293 | 100 |
| 76114 | Green Valley Road/Deer Valley Road West Intersection Improvements | \$1,280,830 | 70 |
| 77137 | Greenstone Road at Slate Creek - Bridge Replacement | \$3,512,875 | 28 |
| 77135 | Hanks Exchange at Squaw Hollow Creek - Bridge Replacement | \$3,917,250 | 30 |
| 77125 | Hazel Valley Road at PG\&E Canal - Bridge Replacement | \$2,603,843 | 32 |
| 71375 | Headington Road Extension - Missouri Flat Road to El Dorado Road | \$10,334,294 | 102 |
| 72369 | Hollow Oak Road Drainage | \$676,914 | 56 |
| 77131 | Ice House Road at Jones Fork Silver Creek - Bridge Maintenance Project | \$761,000 | 34 |
| 77121 | Ice House Road Bridges - Maintenance Project | \$1,147,738 | 36 |
| 73359 | Latrobe Road North of Ryan Ranch Road (Milepost 7.0-7.35) | \$2,014,197 | 104 |
| 66116 | Latrobe Road/White Rock Road Connector (New Road) | \$19,389,058 | 106 |
| 77126 | Mosquito Road Bridge at South Fork American River | \$30,555,000 | 38 |
| 77129 | Mount Murphy Road at South Fork American River - Bridge Replacement | \$8,065,000 | 40 |
| 77130 | Mt. Aukum Road at North Fork Cosumnes River - Bridge Maintenance Project | \$139,000 | 42 |
| 97005 | New York Creek Trail (East) - Phase 1 | \$353,065 | 78 |
| 72308 | New York Creek Trail (East) - Phase 2 | \$784,600 | 80 |
| 77122 | Newtown Road at South Fork of Weber Creek - Bridge Replacement | \$3,568,305 | 44 |
| 72304 | Northside School Class I Bike Path - Phase 1 (SR193) | \$1,856,778 | 84 |
| 72306 | Northside School Class I Bike Path - Phase 2 (SR49) | \$1,867,176 | 86 |

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| West Slope Road and Bridge |  |  |  |
| 77134 | Oak Hill Road at Squaw Hollow Creek - Bridge Replacement | \$3,960,250 | 46 |
| 73320 | Pleasant Valley Road (SR 49)/Patterson Drive Intersection Signalization | \$4,116,420 | 72 |
| 73358 | Pleasant Valley Road at Oak Hill Road Intersection Improvements | \$1,073,576 | 74 |
| 77117 | Rubicon Trail at Ellis Creek - Bridge Replacement | \$1,347,623 | 48 |
| 73362 | Salmon Falls Road South of Glenesk Lane Realignment | \$1,279,660 | 108 |
| 72370 | Silva Valley Parkway Widening (2 to 4 Lanes) | \$1,221,439 | 110 |
| 77124 | Silver Fork Road at South Fork American River - Bridge Replacement | \$4,766,947 | 50 |
| 76108 | Silver Springs Pkwy to Bass Lake Rd (south segment) | \$7,165,501 | 112 |
| 76107 | Silver Springs Pkwy to Green Valley Rd (north segment)/Green Vly Rd Intersection Signalization | \$7,663,626 | 114 |
| 77115 | Sly Park Road at Clear Creek Crossing - Bridge Replacement | \$5,391,105 | 52 |
| TIM Prog | TIM Fee Program Projects | \$8,400,000 | 122 |
| 53110 | U.S. 50 HOV Lanes (Phase 1) - El Dorado Hills to Bass Lake Grade | \$44,488,564 | 116 |
| 53113 | U.S. 50 HOV Lanes (Phase 2A) - Bass Lake Road to Cameron Park Drive | \$19,317,371 | 118 |
| 53124 | U.S. 50 HOV Lanes Phase 0 | \$18,910,000 | 58 |
| 71336 | U.S. 50/Missouri Flat Road Interchange Improvements - Phase 1B | \$41,993,687 | 60 |
| 71346 | U.S. 50/Missouri Flat Road Interchange Improvements - Phase 1C Riparian Restoration | \$2,121,057 | 62 |
| 71333 | U.S. 50/Ponderosa Rd/So. Shingle Rd Interchange Improvements | \$16,338,606 | 64 |
| 71328 | U.S. 50/Silva Valley Parkway Interchange - Phase 1 | \$52,375,421 | 66 |
| 77118 | Wentworth Springs Road at Gerle Creek - Bridge Replacement | \$1,546,839 | 54 |
| 72372 | White Rock Rd Widening (2 to 4 lanes) - Latrobe Road to Monte Verde Drive/Windfield Intersection Signalization | \$1,215,343 | 120 |

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| 72306 | Northside School Class I Bike Path - Phase 2 (SR49) | \$1,867,176 | 86 |
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| 77119 | Blair Road at EID Canal - Bridge Replacement | \$3,681,985 | 10 |
| 77121 | Ice House Road Bridges - Maintenance Project | \$1,147,738 | 36 |

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