II. ADVANCED PLANNING

A VISIONARY LOOK AT THE BUSINESS OF BUILDING ROADWAYS

A factory-themed metaphorical take on the business of how TxDOT builds roadways:

1. Public Involvement
2. Feasibility Analysis
3. Environmental
4. Engineering
5. Right of Way
6. Utility Adjustment
7. Contractor Procurement
8. Connectivity
9. Preservation
10. Safety
11. Mobility
12. Roadway Maintenance

III. MOBILITY AND MAINTENANCE PROJECTS

DALLAS DISTRICT – A $91.3 million SH 121 project that began construction earlier this year will bring much needed safety and mobility improvements to a fast-growing area of Collin County. The project limits on SH 121 are from the Collin County Outer Loop to the Fannin County line. Improvements that drivers can expect once the project is complete include:

- Reconstructing and widening the existing two-lane undivided roadway to a rural four-lane divided highway (two lanes in each direction) consisting of 12-foot travel lanes, 10-foot outside shoulders and four-foot inside shoulders.
- Adding a 40-foot grass median with grass-lined ditches and discontinuous frontage roads.
- Constructing grade separated intersections at FM 455 and FM 2862.
- Aligning the junction of two or more roadways at different heights (grades). Three primary roadway improvement objectives are accomplished using grade separated intersections: 1) increased capacity and uninterrupted flow, 2) increased safety and 3) reduced vehicle conflicts and delay.

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First and foremost, TxDOT values the safety of the traveling public and strives each day to end the streak of fatalities on its facilities. The SH 121 project will not only widen SH 121 from two to four lanes to reduce congestion and improve mobility, but will also include several major safety improvements such as grade separated interchanges that greatly reduce intersection collisions, median separated barrier to reduce head-on collisions, and turn lanes to allow for safe deceleration of traffic,” said Jennifer Vorster, PE, Collin County Area Engineer.

Mario Sinacola & Sons Excavating was selected as the contractor for the project. The project is expected to be complete in mid-2024, weather permitting.

More on Back Page

TxDOT graphics by DEAN HOLLINGSWORTH/Information Specialist

SOURCE: Texas Department of Transportation

FOR MORE INFORMATION:
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- Contact the TxDOT office nearest you
- Call 866-761-4868

REPORT A POTHOLE:
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SOURCE: TxDOT research.

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TEXAS DEPARTMENT OF TRANSPORTATION
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## JULY 2021 LET PROJECTS (SUBJECT TO CHANGE)

<table>
<thead>
<tr>
<th>CS NUMBER</th>
<th>HWY</th>
<th>LIMITS</th>
<th>TYPE OF WORK</th>
<th>COST EST. (M)</th>
<th>BRW (M)</th>
<th>PERCENT</th>
<th>EST. TOTAL COST ($)</th>
<th>CONTRACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SH 12</td>
<td>0.60 mi.</td>
<td>Improvements</td>
<td>$1.49</td>
<td>$1.08</td>
<td>12.79</td>
<td>$1.96</td>
<td>Jasper-Young Co.</td>
</tr>
<tr>
<td>2</td>
<td>SH 12</td>
<td>0.40 mi.</td>
<td>Roadway Improvements</td>
<td>$5.52</td>
<td>$4.66</td>
<td>-15.62</td>
<td>$6.50</td>
<td>Texas Materials Group, Inc.</td>
</tr>
<tr>
<td>4</td>
<td>SH 78</td>
<td>0.50 mi.</td>
<td>Roadway Improvements</td>
<td>$4.41</td>
<td>$3.53</td>
<td>32.17</td>
<td>$5.29</td>
<td>A. L. Helmcamp, Inc.</td>
</tr>
<tr>
<td>5</td>
<td>FM 1609</td>
<td>0.50 mi.</td>
<td>Roadway Improvements</td>
<td>$8.82</td>
<td>$6.25</td>
<td>-45.30</td>
<td>$10.37</td>
<td>A. K. Gillis &amp; Sons, LLC</td>
</tr>
<tr>
<td>6</td>
<td>FM 1609</td>
<td>0.50 mi.</td>
<td>Roadway Improvements</td>
<td>$12.19</td>
<td>$11.52</td>
<td>-5.50</td>
<td>$15.10</td>
<td>Texas Materials Group, Inc.</td>
</tr>
<tr>
<td>7</td>
<td>FM 1609</td>
<td>0.10 mi.</td>
<td>Roadway Improvements</td>
<td>$91.85</td>
<td>$73.98</td>
<td>-17.88</td>
<td>$147.15</td>
<td>Austin Bridge &amp; Road Services, Ltd.</td>
</tr>
</tbody>
</table>

**Total Cost:** $127.41 million

## AUGUST 2021 PROJETED LETTING PROJECTS (SUBJECT TO CHANGE)

<table>
<thead>
<tr>
<th>CS NUMBER</th>
<th>HWY</th>
<th>LIMITS</th>
<th>TYPE OF WORK</th>
<th>COST EST. (M)</th>
<th>BRW (M)</th>
<th>PERCENT</th>
<th>EST. TOTAL COST ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FM 363</td>
<td>0.80 mi.</td>
<td>Roadway Improvements</td>
<td>$1.66</td>
<td>$1.44</td>
<td>10.96</td>
<td>$2.06</td>
</tr>
<tr>
<td>2</td>
<td>FM 363</td>
<td>0.40 mi.</td>
<td>Roadway Improvements</td>
<td>$0.77</td>
<td>$0.66</td>
<td>15.43</td>
<td>$0.87</td>
</tr>
<tr>
<td>3</td>
<td>SR 143</td>
<td>1.00 mi.</td>
<td>Roadway Improvements</td>
<td>$2.68</td>
<td>$2.36</td>
<td>19.84</td>
<td>$3.01</td>
</tr>
<tr>
<td>4</td>
<td>FM 121</td>
<td>0.20 mi.</td>
<td>Roadway Improvements</td>
<td>$0.97</td>
<td>$0.84</td>
<td>23.33</td>
<td>$1.11</td>
</tr>
<tr>
<td>5</td>
<td>FM 121</td>
<td>0.20 mi.</td>
<td>Roadway Improvements</td>
<td>$0.83</td>
<td>$0.71</td>
<td>19.93</td>
<td>$0.93</td>
</tr>
<tr>
<td>6</td>
<td>FM 121</td>
<td>0.30 mi.</td>
<td>Roadway Improvements</td>
<td>$0.88</td>
<td>$0.76</td>
<td>19.84</td>
<td>$0.96</td>
</tr>
<tr>
<td>7</td>
<td>FM 121</td>
<td>0.05 mi.</td>
<td>Roadway Improvements</td>
<td>$0.30</td>
<td>$0.26</td>
<td>11.54</td>
<td>$0.32</td>
</tr>
<tr>
<td>8</td>
<td>FM 121</td>
<td>0.05 mi.</td>
<td>Roadway Improvements</td>
<td>$0.30</td>
<td>$0.26</td>
<td>11.54</td>
<td>$0.32</td>
</tr>
</tbody>
</table>

**Total Cost:** $153.68 million

## COMPLETED CONSTRUCTION PROJECTS (FROM JULY 1-31, 2021)

<table>
<thead>
<tr>
<th>CS NUMBER</th>
<th>HWY</th>
<th>LIMITS</th>
<th>TYPE OF WORK</th>
<th>COST EST. (M)</th>
<th>COMPLETED DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>US 377</td>
<td>0.01 mi.</td>
<td>Roadway Improvements</td>
<td>$6.00</td>
<td>7/16/2021</td>
</tr>
<tr>
<td>2</td>
<td>IH 35</td>
<td>0.1 mi.</td>
<td>Roadway Improvements</td>
<td>$6.28</td>
<td>7/14/2021</td>
</tr>
<tr>
<td>3</td>
<td>US 377</td>
<td>0.01 mi.</td>
<td>Roadway Improvements</td>
<td>$5.50</td>
<td>7/14/2021</td>
</tr>
<tr>
<td>4</td>
<td>FM 162</td>
<td>0.01 mi.</td>
<td>Roadway Improvements</td>
<td>$1.76</td>
<td>7/16/2021</td>
</tr>
</tbody>
</table>

**Total Cost:** $55.29 million

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**Source:** Texas Department of Transportation

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## DALLAS DISTRICT PROJECTS MAP

Color and numbered boxes correspond with the charts on page 2 and show projects that have let in July, are projected to let in August, or have recently been completed.

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**Source:** TxDOT research

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**Population Estimate:**

<table>
<thead>
<tr>
<th>County</th>
<th>Population Estimate</th>
<th>Vehicle Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collin</td>
<td>1,033,046</td>
<td>815,746</td>
</tr>
<tr>
<td>Dallas</td>
<td>2,647,576</td>
<td>2,006,193</td>
</tr>
<tr>
<td>Denton</td>
<td>886,563</td>
<td>694,485</td>
</tr>
<tr>
<td>Ellis</td>
<td>103,363</td>
<td>665,383</td>
</tr>
<tr>
<td>Kaufman</td>
<td>103,563</td>
<td>92,716</td>
</tr>
<tr>
<td>Rockwall</td>
<td>347,467</td>
<td>347,467</td>
</tr>
</tbody>
</table>

**Census:**

- Population Estimate
- Vehicle Registration
- LANE MILES

**Notes:**

- District Project Cap includes estimated PE, ROW, Indirect Costs, and Potential Change Order Costs at the time of bid.
- ESTIMATE TOTALS and BID contract amounts are subject to change.

**Last Updated:**

- 7/19/2021

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**Legend:**

- EST: ESTIMATE
- PROJ: PROJECTED
- COM: COMPLETED
- TOLL: TOLL ROAD

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**TXDOT Graphics**

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**TEXAS DEPARTMENT OF TRANSPORTATION**

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