Overview

• Based on Emphasis Areas from the Texas SHSP
  • Intersection Safety
  • Older Road Users
  • Pedestrian Safety
  • Roadway and Lane Departures
• New HSIP Guidance Document
• New work codes
• Projects are selected based on crash history,
  • Traffic volumes, and roadway geometrics are also considered.
• SII (Safety Improvement Index) Score is used a guide to rank projects
• Crash Costs
  • $3,600,000 for Fatal (K) and Suspected Serious Injury (A)
  • $500,000 for Non-Incapacitating (B)
2020 HSIP Call for Off-System Projects

Overview

- Dedicated funding allocation for off-system projects
- Targeted locations with a crash history
- Dallas District Funding Allocation for Off-System
  - FY 2022: $3,722,970
  - FY 2023 / FY 2024: $7,678,626
- Fort Worth District Funding Allocation for Off-System
  - FY 2022: $925,930
  - FY 2023 / FY 2024: $1,909,730
- Off-system projects must be let by TxDOT’s competitive bid process
- Not eligible for local letting
- Off-system project proposals will be submitted through local district office.
2020 HSIP Call for Off-System Projects

Funding Coverage

- Only construction costs
- Does not cover PS&E preparation costs, R.O.W., and utilities
- Federal funding covers 90%. Local governments match 10% of project cost
- Local governments are responsible for all costs after federal funding has reached its maximum programmed amount.
2020 HSIP Call for Off-System Projects

FY 2022 Programming Projection

<table>
<thead>
<tr>
<th>Dollar amount:</th>
<th>$ 160,000,000</th>
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<tbody>
<tr>
<td>% of Overall Funding:</td>
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<td>$ from Overall Funding:</td>
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<table>
<thead>
<tr>
<th>District Name</th>
<th>Total On-System Targeted</th>
<th>Total Off-System Targeted</th>
<th>District Systemic</th>
<th>District Expected Program Total</th>
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</tbody>
</table>

FY 2022

- Not fully funded (already significantly programmed)
- Remainder split across District Targeted, District Systemic, and District Off-System

FY 2023 and beyond

- Split based on ratios of fatalities and progress toward reducing KA crashes
- Specific program levels for off-system and systemic work
2020 HSIP Call for Off-System Projects

HSIP documents
- Documents are on TxDOT website
- HSIP guidance and program information is all in one document
- HSIP Project Submittal Form electronic updates

Work codes
- Several work codes removed or noted as not a stand alone project
- Revised reduction factors and service life

Average bid prices
- Use district averages rather than statewide
2020 HSIP Call for Off-System Projects

SII (Safety Improvement Index) Score

- Does not establish need or lack of need for a project.
- Benefit/Cost analysis
- Takes into account cost of crashes, crash reduction factors, construction costs, maintenance costs, service life, and traffic volumes.
- SII may be more difficult to obtain for off-system projects. It is optional for localities to calculate. Please use spreadsheet provided by TxDOT to calculate if done so.
- It is OK to leave blank if there is not enough data to calculate SII.
- Traffic Safety Division is able to calculate SII score for off-system projects.
2020 HSIP Call for Off-System Projects

Past Program Calls ISSUES

• Statewide competitive process resulted funding being focused on only reactive projects
• Difficult to address district specific crash trends
• Funding per district was the result of # of projects submitted
• 50% of submittals not funded
• Few districts submitted very little or no projects
• Limited off-system projects submitted

Future HSIP Process BENEFITS

• Focuses funding to balance proactive and reactive projects within each district based on fatal and serious injury crash trends
• Removes competitive process allowing districts to focus and prioritize best safety projects within the district
• Allows districts to better plan projects in advance and address immediate problem locations
• Districts accountable to meet the funding amounts provided to reduce fatal and serious injury crashes
• Dedicated off-system funding within each district
2020 HSIP Call for Off-System Projects

Recent Calls for Projects

- 2017
  - FY 19-21
  - Dallas: 22 off-system projects; $7,205,825
  - Fort Worth: 5 off-system projects; $1,513,616
- 2018
  - FY 20-22
  - Dallas: 28 off-system projects; $8,343,882
  - Fort Worth: 2 off-system projects; $883,727
- 2019
  - No call

Prominent Crash Issues

- SVROR (Single Vehicle Run-Off-The-Road)
- Signalized Intersections
- Pedestrians
2020 HSIP Call for Off-System Projects

Submittals Due October 1st

- Submit to District Point of Contacts
- Approved projects will be confirmed by March 1st.

Naming Convention

- District Abbreviation_Street Name_Sequence Number (if necessary)
- Examples:
  - DAL_BigTownBlvd_1
  - DAL_BigTownBlvd_2
  - DAL_LaPradaDr
Supporting Documentation

- HSIP Form
  - Click “Save A Copy”, DO NOT Print to PDF
  - Crash info is optional
- Location Map (Google Maps satellite view)
- Detailed Estimate
- Existing and Proposed Typical Sections (if applicable)
- Intersection Layouts (if applicable)
- Traffic Signal Warrant Forms (if applicable)
- Pictures
- Other Supporting Documentation As Needed
2020 HSIP Call for Off-System Projects

Estimates

- Account for all work
- TxDOT uses estimate to compare to PS&E
- Only work types programmed can be part of safety project
- Use district average bid prices

Letting

- Projects must let in FY chosen
- Make sure utilities and ROW are clear
2020 HSIP Call for Off-System Projects

Resources

- TxDOT.gov Highway Safety Engineering Website
  - HSIP Guidance Document, HSIP Submission Form, SII Calculator
- Texas State Highway Safety Plan (SHSP) [TexasSHSP.com]

Highway Safety Engineering

Highway Safety Engineering uses crash data to research, design and implement projects that save lives and reduce the number of crashes on Texas roadways. Key initiatives include the Strategic Highway Safety Plan (SHSP), Highway Safety Improvement Program (HSIP) and the Systemic Widening Program (SSWP). The materials listed below support these initiatives.

<table>
<thead>
<tr>
<th>Year</th>
<th>Format</th>
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<tbody>
<tr>
<td>2020 HSIP Program</td>
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<tr>
<td>2020 HSIP Guidance Program</td>
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<tr>
<td>HSIP Submission Form</td>
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<tr>
<td>2020 SII Calculator</td>
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Contacts

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