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John Bel Edwards, Governor
Shawn D. Wilson, Ph.D., Secretary

TO: Louisiana Metropolitan Planning Organization (MPO) Executive Directors

FROM: Adriane McRae, P.E. 
Highway Safety Administrator

DATE: October 1, 2021

SUBJECT: HSIP Performance Measures and Establishing Targets

The FAST Act and subsequent federal rulemaking (23 CFR 490) established five performance measures related to highway safety. The measures are:

- Number of fatalities;
- Number of serious injuries;
- Rate of fatalities per 100 million vehicle miles traveled;
- Rate of serious injuries per 100 million vehicle miles traveled; and
- Number of non-motorized fatalities and serious injuries.

Federal regulations require the Louisiana Department of Transportation and Development (LADOTD) to establish and report statewide highway safety performance targets by August 31st of each year. MPOs are required to either adopt and support the LADOTD's statewide targets or set their own targets specific to their areas. Annual targets will be expressed as five-year rolling averages and will be compared with a five-year rolling average base period comprising of the five calendar years ending prior to the year the targets are due.

LADOTD, in coordination with the Louisiana Highway Safety Commission (LHSC), has established statewide targets for each of the five highway safety performance measures as follows:

- 1% annual reduction in fatalities from a 2020 baseline of 771 to a target of 755 in 2022.
- 1% annual reduction in serious injuries from a 2020 baseline of 1370 to a target of 1343 in 2022.
- 1% annual reduction in fatality rate from a 2020 baseline of 1.537 to a target of 1.506 in 2022.
- 1% annual reduction in serious injury rate from a 2020 baseline of 2.730 to a target of 2.676 in 2022.
- 1% annual reduction in non-motorized fatalities and serious injuries from a 2020 baseline of 378 to a target of 371 in 2022.

Similar to previous years, a steady percentage-based reduction was chosen as the most practical justification for determining the 2022 target.

As part of the target setting process, each year LADOTD will:

- Inform MPOs of the five performance measure targets established for the state each year in conjunction with the submittal of the Highway Safety Improvement Program (HSIP) annual report which is due August 31st of each year.
- Provide the number of fatalities, number of serious injuries, estimated vehicle miles traveled, and the number of non-motorized fatalities and serious injuries for the five-year base period within the respective MPO boundaries to MPOs. A web based tool has been developed for the MPOs to obtain this information and is accessible at the following link:
<https://tinyurl.com/2022LAHSIP>
- If requested, provide target setting guidance to MPOs should they decide to establish their own targets for one or more of the five performance measures.

Please note that the 2020 statewide vehicle miles traveled (VMT) estimate was not finalized by the August 31st deadline, and therefore, the statewide 2019 VMT was used for estimating fatality rate and serious injury rate safety targets. The 2019 VMT was also used for the MPO web based safety target tool.

By February 27th of each year, MPOs are required to:

- Have their Policy Committees formally adopt the five safety targets through Long Range Transportation Plan amendment; and
- Provide LADOTD a letter confirming their action by their Policy Committee and the date of approval.

For informational purposes, please find enclosed a copy of the 2021 HSIP Implementation Plan which was recently submitted to FHWA in response to Louisiana not meeting 2019 targets or making significant progress. SHSP Infrastructure and Operations statewide leaders will be coordinating with various stakeholders as they work through action items identified in the plan.

Should you have any questions or need further assistance, please do not hesitate to contact this office at 225-379-1950.

Enclosure

C: Connie Betts
Mary Elliott
Dawn Sholmire
Angela Murrell
Randy Goodman
Mary Stringfellow
Betsey Tramonte

Available Funding

The FFY 2018 HSIP Apportionment in the amount of \$43,458,533.00 must be obligated in FFY 2022.

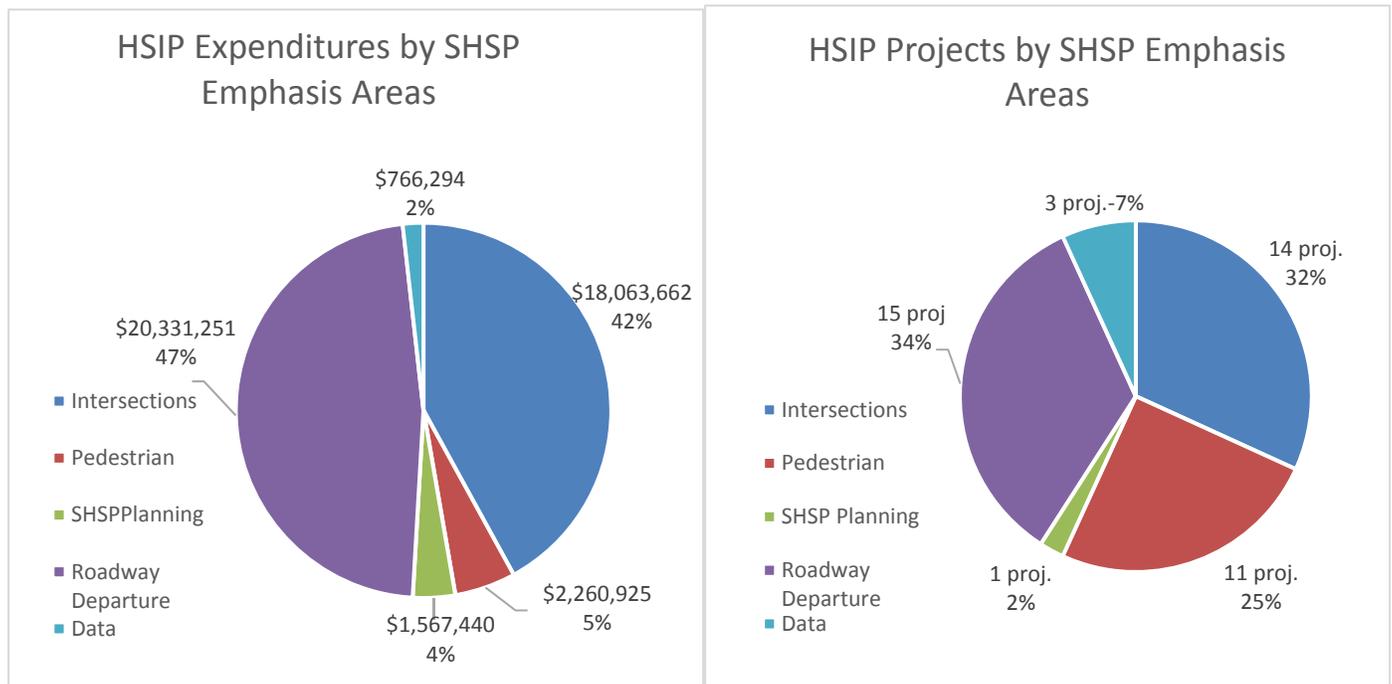
Funding Allocation Goals

Describe how HSIP funds will be allocated during the plan period. Consider funding needs by SHSP emphasis areas (e.g., roadway departure, intersections), roadway ownership (e.g., state vs. local roads), improvement type (e.g., spot vs. systemic safety improvements), and other relevant categories. Ideally, these funding goals would be data-driven and reflective of your State's safety needs.

Include a diagram of to supplement the HSIP funding allocation description.

Historically, Louisiana programmed roughly 55% intersection projects, 25% roadway departure projects, and 8% non-motorized user projects. The chart below taken from Louisiana's HSIP 2020 Annual Report shows a breakdown of current levels of HSIP expenditures and projects by SHSP emphasis areas.

Emphasis Areas



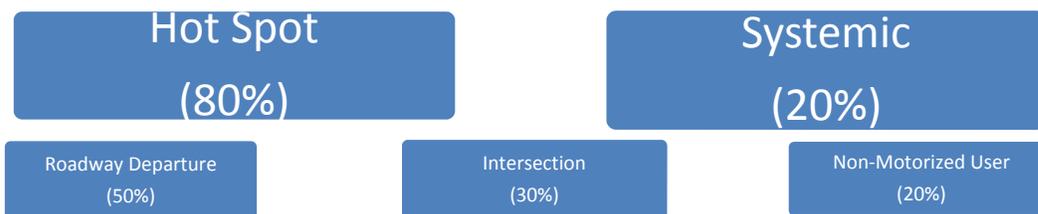
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Louisiana has determined funding allocation goals based on the SHSP emphasis area Infrastructure and Operations (I/O) that include: roadway departures (RWD), intersections (INT) and non-motorized users (Non-M). Analyzing crash data and focusing on fatal and serious injury crashes, it was determined that the HSIP infrastructure project list goal would remain the same as indicated in the 2019 HSIP Implementation plan as: 50% on roadway departure projects, 30% on intersection projects, and 20% on non-motorized user projects. We have made significant strides from 2019 to 2020 in HSIP expenditures by SHSP emphasis areas. In 2020, expenditures for RWD projects increased to 47% versus 26% in 2019, INT decreased to 42% versus 63% and Non-M remained stable at 6% . Achieving this goal will take time since projects take 3-5 years to develop and must be programmed several years out. The majority of HSIP projects programmed at the State level originate from the District Offices and the District Traffic Operations Engineers. By analyzing crash data trends in their local areas, Louisiana Department of Transportation and Development (LA DOTD) District Offices are encouraged to submit projects that are more reflective of the current crash data trends.

Projects are also programmed in these emphasis areas through the Local Road Safety Program and Safe Routes to Public Places Program using Federal Penalty Transfer Funds. Projects in the local programs are included in the comprehensive project list attached.

Each year, Louisiana conducts a safety road show in conjunction with the annual SHSP I/O emphasis area meetings. This is an opportunity to review current state and regional data trends, share new information and meet with the LA DOTD Districts and regional safety coalitions. The Districts are also encouraged to submit HSIP project applications that reflect the goal shown below for the next 5 year program cycle.

The schematic below shows LA DOTD’s funding allocation goals for HSIP construction projects based on current crash data trends statewide.



Handout 1 2020 Total Fatalities/Moderate & Serious Injuries & Fatalities by Crash Type and Funding (All Roads) as of 6/10/2021																
District	Fatalities	Susp. Moderate & Serious Injuries	Fatalities due to RWD Crashes	Fatalities due to INT Crashes	Ped. Fatalities	Bicycle Fatalities	Safety Project \$\$ (Jan-Dec) *includes LRSP/SRTS/SRT PPP	Coalition	Fatalities	Susp. Moderate & Serious Injuries	Fatalities due to RWD Crashes	Fatalities due to INT Crashes	Ped. Fatalities	Bicycle Fatalities	Safety Project \$\$ (Jan-Dec) *includes LRSP/SRTS/SR TPP	
02	130	2813	75	49	29	11	\$6,830,970	NORTSC	89	2481	48	45	20	11	\$6,830,970	
03	109	1900	58	24	16	8	\$6,986,179	Acadiana	109	1900	58	24	16	8	\$6,986,179	
04	87	1530	42	17	13	0	\$1,838,784	North West	87	1530	42	17	13	0	\$1,838,784	
05	73	897	40	12	11	4	\$6,777,736	North East	82	952	47	12	12	4	\$9,862,910	
07	58	835	32	11	8	1	\$1,206,544	South West	58	835	32	11	8	1	\$1,206,544	
08	65	611	43	12	8	4	\$1,263,462	CenLa	75	680	49	14	10	4	\$1,263,462	
58	19	124	13	2	3	0	\$3,085,174	South Central	54	578	33	6	13	1	\$0	
61	158	2123	99	37	41	3	\$5,414,587	Capital	179	2420	112	39	40	4	\$5,707,586	
62	128	1451	77	26	16	3	\$1,423,331	North Shore	94	908	58	22	13	1	\$1,130,332	
	827	12,284	479	190	145	34	\$34,826,767		827	12,284	479	190	145	34	\$34,826,767	
			57.9%	23.0%	17.5%	4.1%										

HSIP Programs, Strategies and Activities

Identify a combination of programs, strategies, and activities to be funded that will: (1) contribute to a reduction in fatalities and serious injuries and (2) help your State achieve or make significant progress towards achieving your safety performance targets in subsequent years. For each program, strategy or activity provide the following information:

- **Purpose** – Describe the purpose of this program, strategy, or activity (i.e., what problem does it address), and how it relates back to your State SHSP.
- **Cost** – Estimated cost for this program, strategy, or activity. This estimate may also include project cost limits by phase (e.g., project development and delivery), by District, etc.
- **Methodology and Implementation Plan** – Describe the methodology that was used to identify projects under this program, strategy, or activity. This methodology should include a description of the data-driven process, including the target crash type and facility type, as appropriate. Describe the types of countermeasures or improvements that will be implemented as part of these projects, as well as an implementation schedule.
- **Benefits** – Identify how the program, strategy, or activity will contribute to a reduction in fatalities and serious injuries and help your State make progress toward achieving the safety performance targets in subsequent years. Present quantitative evidence to the maximum extent possible, or a very strong qualitative justification for the program, strategy, or activity where quantitative evidence is not available.

The Louisiana Department of Transportation and Development (LA DOTD) has 4 major safety sub-programs: HRRR Program, HSIP Program, Local Road Safety Program, and Safe Routes to Public Places Program.

High Risk Rural Roads Program (HRRR)

Louisiana did not trigger the HRRR and therefore will not be reflected in the project listing for federal fiscal year 2022. The State specific definition in the SHSP will be evaluated with the 2022 SHSP update which is currently under way.

HSIP Program (HSIP)

The goal is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including locally owned public roads and public roads on tribal lands. In keeping with Louisiana’s SHSP emphasis areas, LA DOTD obligates \$50,000,000 in HSIP/HSIPPEN per year on construction projects focused on roadway departures, intersections and non-motorized users. HSIP funds are used for programming projects on state owned routes due to the 10% match requirement whereas HSIPPEN (154/164 Penalty funds) are used for both state and local roads projects at 100% federal share.

The HSIP program methodology uses site specific crash data and location data to identify segments and intersections that have the highest potential for safety improvement based on state specific safety performance functions. This network screening list of state routes is provided to the LA DOTD Districts for use in identifying future safety projects, which support the Louisiana SHSP I/O emphasis area. Projects identified at the District level must match SHSP infrastructure emphasis areas of roadway departure, intersection improvement, or non-motorized users.

LA DOTD is continuing to use Districtwide Safety Investment Plans and Louisiana’s updated Roadway Departure Implementation Plan to identify future projects with high potential for safety improvement.

Advanced predictive methods for network screening of locations with potential for safety improvement on all public roads, including safety performance functions, were included in the RWD plan. As roadway departure crashes account for over 50% of Louisiana's fatal crashes, implementation of this plan over the next five years will move Louisiana closer to meeting their safety performance targets. Louisiana has received 3 district-wide project applications recently from the RWD Implementation plan totalling \$6.6M. We expect this will increase in subsequent years.

Louisiana also uses a systemic approach to identify project sites that form a comprehensive safety program. The systemic approach takes a broader view and looks at crash risk across the entire system or subset of the system. Examples of systemic projects prepared have included enhanced curve delineation, rumble strips, HFST, cable barriers and Flashing Yellow Arrow (FYA) installations.

To estimate the benefit and prioritize HSIP projects, LA DOTD uses a benefit-cost (B/C) ratio threshold of greater than 1, with the overall long term goal of increasing that threshold to greater than 2. Projects proposed from the Districtwide Safety Investment Plans focus on countermeasures and CMF's identified by the project team to ensure maximum reduction in targeted crash types. LA DOTD traditional hot spot projects typically have a B/C ratio ranging between 1 and 7. The systemic FYA projects have had a B/C ratio ranging from 3 to 11.

By selecting and implementing projects based on these methodologies, Louisiana will continue to work towards reaching their safety performance targets.

Local Road Safety Program (LRS Program)

The LRS Program is part of the overall HSIP and falls under the umbrella of the SHSP I/O Emphasis Area. The goal is to achieve a significant reduction in fatalities and serious injuries on all public roads. In recent years, 24% of fatalities in Louisiana have occurred on locally owned roads. Eligible safety projects include those for roadways and transportation systems owned and operated by parish, municipal and tribal road owners. The LRS Program has a construction budget of \$3-\$5M per year. This represents 10% of the statewide safety construction budget.

Using the traditional frequency-based method for selecting locations, Louisiana's Local Technical Assistance Program (LTAP) developed Local Road Safety Crash Data Profiles for the top 20 parishes that represent 91% of all reported local road crashes in the state. This information allows the local agency to easily and efficiently identify potential problems, select appropriate countermeasures, and develop plans to implement lifesaving infrastructure improvements. The data provided in these profiles have been compiled utilizing 2010-2016 local road crash data.

In addition to this traditional frequency based approach, as part of Louisiana's 2020 Roadway Departure Implementation Plan, Texas Transportation Institute (TTI) created safety performance functions for locally owned roads. ADT was not available for all local roads so roadway width was used as factor for SPF instead. These safety performance functions created specifically for local roads will assist local municipalities with using more advanced predictive methods for selecting roadway departure locations with high potential for safety improvement.

In addition to LTAP's efforts, LA DOTD has partnered with the MPOs statewide to assist with more detailed Local Road Safety Plans for the top 20 parishes. The goal of the plans is to prioritize locations for implementation either with in-house resources or through standalone LRS Program construction projects. Currently 12 of the top 20 parishes have LRS Plans completed and another 5 parishes are in the development stage. Jefferson, Caddo and Livingston parish plans have not begun to date. There are 2 parishes not in the top 20 that have developed a LRS Plan for a total of 14 plans developed to date.

LTAP and LA DOTD are encouraging local agencies to use the newly adopted statewide Roadway Departure Implementation Plan and the LRS Plans to move towards implementation of potential safety projects on locally owned roads. This will potentially increase interest in the LRS Program and Regional Coalition efforts, which may lead to an increase in the LRS Program funding allocation, and reach our statewide and regional safety targets. LTAP is currently updating the LRS Program application and roadway assessment form to encourage LPAs to submit projects from the RWD plan and Local Road Safety Plans.

Safe Routes to Public Places Program (SRTPPP)

The SRTPPP was developed to provide an opportunity for infrastructure projects focused on improving the safety for non-motorized users using proven safety countermeasures. Projects can be on either state or local roads. The SRTPPP has a construction budget of \$1.3M per year. As mentioned earlier, it typically takes 3-5 years to develop a project once accepted into the program. Since inception of this program in 2017, two projects have been LET to construction, one project will LET in the next few months and 16 projects are in the process of being designed. A call for new projects was announced in early May 2021, with applications due June 30, 2021. While we are not currently LETTING the full allocation of funds for this program, we are gaining ground every year.

The SRTPPP allows Louisiana to strategically focus on the non-motorized user projects. Current project applications must include analysis of location-specific pedestrian/bicycle risks, observed pedestrian/bicycle crashes, ADT, systemic analysis or evidence of pedestrian/bicycle use as well as findings from a site visit to justify the project. The need was identified in the past few years due to a steady increase in pedestrian fatalities. These projects compete only against each other for funding and are required to be \$500,000 or less to meet the demand. Additionally, this year the program guidelines and application were updated.

Louisiana's two most populous cities, New Orleans and Baton Rouge, were identified as Focus Cities for Pedestrian and Bicycle Safety by FHWA in 2015. This has led to efforts to develop Safety Action Plans (New Orleans' is pedestrian focused while Baton Rouge's includes pedestrians and bicycles) to prioritize locations for improvements to non-motorized user safety in these cities which, in many cases, are eligible for HSIP funding through SRTPPP.

Louisiana has finalized a statewide pedestrian crash study to analyze crash trends and develop predictive models for pedestrian crashes. This analysis will influence future SRTPPP and HSIP programming by using state specific safety performance functions to identify potential project locations for implementation of pedestrian safety countermeasures, with a specific focus on STEP countermeasures. These efforts will also help address Louisiana's non-motorized safety performance measures. In 2021, Louisiana designated a full-time Pedestrian, Bicycle & Transit Design Expert, who has become a valuable resource for SRTPPP, pedestrian/bicycle safety initiatives, and projects statewide Complete Street efforts.

Project List

Provide a detailed list of projects that will be obligated during the subject fiscal year as an attachment or appendix to the HSIP Implementation Plan. In some cases, it may be appropriate for your State to list a systemic project without providing information about specific locations. At a minimum, the project list should include at least the following fields:

- **Project Name** and **Project Number** are State defined fields.
- **Improvement Type, Functional Classification, and Roadway Ownership** should be consistent with the HSIP Reporting Guidance.
- **Project Cost** should reflect the estimated HSIP funds to be obligated for this project. Your State may choose to add a second column for total project cost if desired. The sum of the project costs for all projects should match the available HSIP funding for the upcoming fiscal year. Attachment A includes the FFY 17 HSIP apportionments
- Link each project to the relevant **Program, Strategy, or Activity** from the HSIP Implementation Plan.
- All HSIP projects must be consistent with your State SHSP and should list the relevant **SHSP Emphasis Area** for each project.

Provide a table summarizing the estimated number of projects and funding goals by program, strategy, or activity.

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2021 Louisiana HSIP Implementation Plan

Refer to the Project List Table and Project Summary Table on next page. Please note that the table includes safety construction projects funded with HSIP or HSIPPEN dollars. Each project is identified by I/O Emphasis Area, Improvement type (RWD, INT, Non-Motorized) and HSIP sub-program (HSIP, LRSP, SRTPPP, or SRTS).

2021 HSIP Implementation Plan Project Listing (as of 6/23/2021)								
Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date
LA 49 Williams Blvd Corridor Improv	H.010570	RWD	\$3,923,000.00	HSIP	I/O	Urban-Principal Arterial	State	July 2022
LA 88: Realign Curves in Coteau	H.010922	RWD	\$3,503,000.00	HSIP	I/O	Urban-Major Collector	State	January 2022
*Local Road Signing(Vermilion)	H.013014	RWD	\$114,000.00	LRSP	I/O	Urban-Local	Local	January 2022
LA 20 Widen: LA 307 - S. Vacherie	H.013116	RWD	\$6,933,000.00	HSIP	I/O	Rural-Minor Arterial	State	February 2022
*Local Road Signs & Striping (Caddo)	H.013766	RWD	\$826,000.00	LRSP	I/O	Urban-Local	Local	December 2021
*Dist. 03 Rumblestrips (South)	H.013823	RWD	\$2,580,000.00	HSIP	I/O	Varies	State	January 2022
LA 16: Curve Realignment at Gourdon Ln	H.014058	RWD	\$1,085,000.00	HSIP	I/O	Urban-Minor Arterial	State	November 2021
LA 20: St. Patrick St-LA 307	H.014523	RWD	\$5,600,000.00	HSIP	I/O	Rural-Minor Arterial	State	July 2022
I-10 Barriers: Chef Menteur Hwy-I-510	H.014585	RWD	\$7,500,000.00	HSIP	I/O	Urban-Interstate	State	December 2021
D05 Safety Impr. @ Curves PH1	H.014663	RWD	\$2,779,000.00	HSIP	I/O	Varies	State	June 2022
* systemic projects			\$34,843,000.00					

2021 Louisiana HSIP Implementation Plan

Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date
Roundabout @ Churchpoint Rd/Roddy Rd	H.006459	Intersection	\$1,000,000.00	LRSP	I/O	Urban-Local	Local	July 2022
LA 22: Roundabout Dunsori/Ridgedell Rds.	H.010289	Intersection	\$1,680,000.00	HSIP	I/O	Urban-Minor Collector	State	June 2022
US 190B @ Jefferson Ave. Roundabout	H.011260	Intersection	\$877,000.00	HSIP	I/O	Urban-Principal Arterial	State	November 2021
LA 3092: Gauthier Rd @ Lake St Roundabout	H.012052	Intersection	\$2,450,000.00	HSIP	I/O	Rural-Minor Collector & Minor Arterial	State	January 2022
US 90: Press to Majestic Oaks	H.012312	Intersection	\$1,296,000.00	HSIP	I/O	Urban-Principal Arterial	State	February 2022
*D08 FYA Part 1	H.012486	Intersection	\$1,250,000.00	HSIP	I/O	Varies	State	December 2021
*D62 FYA	H.012639	Intersection	\$2,850,000.00	HSIP	I/O	Varies	State	July 2022
*D04 FYA Part 2	H.012643	Intersection	\$2,250,000.00	HSIP	I/O	Varies	State	February 2022
*D04 FYA Part 3	H.012666	Intersection	\$2,160,000.00	HSIP	I/O	Varies	State	September 2022
US 165: 0.85 MI N I-10 - Allen P/L	H.013255	Intersection	\$825,000.00	HSIP	I/O	Rural-Principal Arterial	State	February 2022
LA 1111 Widening: LA 13-LA 1111-S	H.013363	Intersection	\$1,021,000.00	HSIP	I/O	Urban-Minor Arterial	State	July 2022
LA 428: Gen Degaulle-Old Behrman	H.013753	Intersection	\$4,000.00	SRTPPP	I/O	Urban-Principal Arterial	Local	December 2021
*systemic projects								

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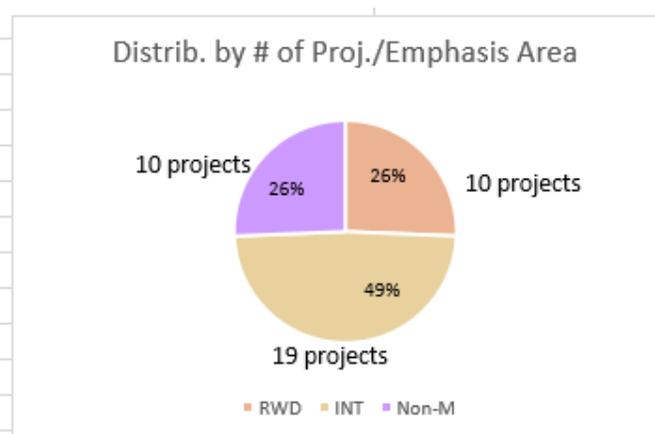
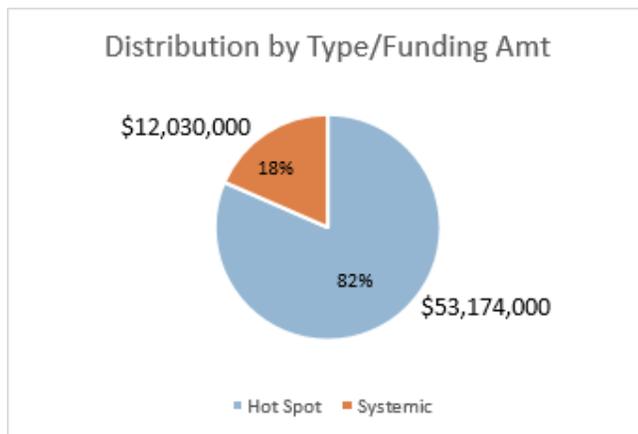
2021 Louisiana HSIP Implementation Plan

Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date
LRSP Ardenwood Dr Road Diet	H.013622	Intersection	\$3,000.00	LRSP	I/O	Urban-Major Collector	Local	December 2021
Inter. Imp. on LA 92@ LA 733 & Gallet Rd	H.014041	Intersection	\$3,483,000.00	HSIP	I/O	Urban-Minor Arterial	State	May 2022
LA 3021: LA 39-US 90	H.014097	Intersection	\$300,000.00	HSIP	I/O	Urban-Principal Arterial	State	February 2022
US 90: St. Charles P/L - LA 18	H.014154	Intersection	\$1,100,000.00	HSIP	I/O	Urban-Principal Arterial	State	January 2022
LA 1: Left Turn Lanes @ Regal Dr.	H.014292	Intersection	\$1,260,000.00	HSIP	I/O	Urban-Principal Arterial	State	May 2022
LA 67: RCUT @ Blount Rd.	H.014408	Intersection	\$322,000.00	HSIP	I/O	Urban-Principal Arterial	State	May 2022
LA 840-6: US 80-Forsyth Av, Striping	H.014662	Intersection	\$270,000.00	HSIP	I/O	Urban-Principal Arterial	State	March 2022
* systemic projects			\$24,401,000.00					
Pineville Elementary Sidewalks	H.011194	Non-Motorized User	\$220,000.00	SRTS	I/O	Urban-Principal Arterial	Local	November 2021
LA 37 & Wooddale Blvd: Ped Imp (BR)	H.013073	Non-Motorized User	\$576,000.00	SRTPPP	I/O	Urban-Minor Arterial	Local	December 2021
Bootlegger Rd Sidewalks	H.013082	Non-Motorized User	\$679,000.00	SRTPPP	I/O	Urban-Major Collector	Local	December 2021
Jefferson Island Sidewalk	H.013083	Non-Motorized User	\$272,000.00	SRTPPP	I/O	Urban Minor Arterial	Local	July 2022

2021 Louisiana HSIP Implementation Plan

Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date
I. A. Lewis Elem Sidewalk-PH2	H.013086	Non-Motorized User	\$555,000.00	SRTPPP	I/O	Urban-Local	Local	May 2022
Hatchell Lane Sidewalks	H.013088	Non-Motorized User	\$305,000.00	SRTPPP	I/O	Urban-Minor Arterial	Local	July 2022
Gretna Downtown Ped Improvements	H.013090	Non-Motorized User	\$168,000.00	SRTPPP	I/O	Urban-Minor Arterial	Local	January 2022
Broad St-Read Blvd Ped Improvements	H.013094	Non-Motorized User	\$795,000.00	SRTPPP	I/O	Urban-Freeway/Expressways	Local	March 2022
US 165: Roadway Lighting(Duachita)	H.014302	Non-Motorized User	\$2,262,000.00	HSIP	I/O	Urban-Principal Arterial	State	May 2022
US 61 @ N. Elm St	H.014661	Non-Motorized User	\$128,000.00	HSIP	I/O	Urban-Principal Arterial	State	July 2022
			\$5,960,000.00					
			\$65,204,000.00	Total of all projects				

2021 HSIP Implementation Project Summary Table		
Program, Strategy or Activity	Estimated # Projects	Estimated Funding
HSIP (State Routes)		
<i>Roadway Departure</i>	8	\$33,903,000.00
<i>Intersections</i>	16	\$23,394,000.00
<i>Non-Motorized User</i>	2	\$2,390,000.00
	26	\$59,687,000.00
LRS Program		
<i>Roadway Departure</i>	2	\$940,000.00
<i>Intersections</i>	2	\$1,003,000.00
<i>Non-Motorized User</i>	0	\$0.00
	4	\$1,943,000.00
SRTPPP		
<i>Intersections</i>	1	\$4,000.00
<i>Non-Motorized User</i>	7	\$3,350,000.00
	8	\$3,354,000.00
SRTS (left over projects but program is discontinued)		
<i>Non-Motorized User</i>	1	\$220,000.00
	39	\$65,204,000.00



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Summary of Actions

Describe the actions your State will undertake to achieve or make significant progress towards achieving your safety performance targets in subsequent years. This description may include a summary of major program changes resulting from the effort to develop the HSIP Implementation Plan or actions necessary to accommodate the HSIP Implementation Plan. Since the projects, strategies, and activities included in the HSIP implementation plan must be consistent with the SHSP and STIP, such actions might include SHSP updates or modifications to the STIP, recognizing that fiscal constraints and project schedules may impact programming to some degree.

The HSIP Program Manager will continually monitor the HSIP program and adjust programming as needed while recognizing fiscal constraints. The HSIP Program Manager will also work closely with the Local Road and Safe Routes to Public Places Program Manager in reaching out to the LA DOTD District offices and local municipalities to encourage appropriate project submittals representative of the stated goals for funding allocations. A safety road show is held annually to review fatality and serious injury crash data, spending and program information, and identify and share upcoming I/O EA priorities and goals.

Louisiana will conduct an update to the current SHSP in 2022. A significant change in the general funding distribution goals based on SHSP I/O Emphasis Areas is not expected. LA DOTD will make significant progress towards the state's performance targets through the actions stated below.

2020 Actions Completed:

- Identify measurable objective targets for RWD/INT/Non-Motorized submittals in the Statewide and Regional SHSP I/O Action Plans. [Quarterly targets are set for RWD/INT/Non-Motorized projects accepted into the HSIP program. This is for both state/local Routes. RWD/INT/Non-Motorized performance measures are also tied to the Regional I/O plans.](#)
- Encourage the Districts to identify existing programmed projects (such as preservation) where recommended site-specific safety countermeasures from the Roadway Departure Implementation Plan can be included without delay of project development schedule. [Met with Preservation to consider safety on existing/future projects supplementing with HSIP funds. Also, identified safety application on Preservation Projects to use HRRR Funds. Projects considered were cross-referenced with HPSI list, safety analysis was performed and recommendations were submitted to Preservation for consideration.](#)

2020 Actions Ongoing with Status:

- Continue to develop Districtwide Safety Investment Plans and bundle safety project submissions where feasible. [Currently developing plan for District 05. Completed plans for Districts 07, 08, and 61.](#)
- Finalize Local Road Safety Plans for the top 20 parishes using more recent years of crash data. [Still in progress. Currently 12 of the top 20 parishes are complete.](#)
- Use the locations identified in the Roadway Departure Implementation Plan to develop standalone Parish-wide or District-wide safety construction projects for state and locally owned roads. [Worked with District 58 to develop project submittal which involved various routes with similar countermeasures. Consider contracting a consultant or provide Stage 0 templates to streamline project submission process. Stage 0 was submitted and approved. Need to streamline process for B/C calculation at project level.](#)
- Plan and program safety projects from the Baton Rouge Pedestrian & Bicycle Safety Action Plan (PBSAP) and the New Orleans Pedestrian Safety Action Plan (PSAP). [Continuously accepting Stage 0 proposals for these projects. Working through locally funded MOVEBR Bond Program process, finalizing RSAs, and working with locals in EBR parish to implement projects.](#)

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Summary of Actions – continued

- Analyze patterns in pedestrian crashes statewide to develop risk factors and predictive models of future crashes. Phase 2 of this will include implementing infrastructure solutions to prevent these crashes and support EDC-STEP implementation. [Analysis is ongoing. Preparing scopes/retainers for future consultant studies on priority locations and provide more technical support to districts.](#)
- Statewide Crash Report update is underway and is anticipated to be completed by January 1, 2022. This will provide more accurate, timely and consistent data for project identification, selection, and prioritization. [The project is currently still on schedule. New data query and analysis tools being developed for engineering and enforcement.](#)
- Investigate ways to use state specific safety performance functions for post evaluation of safety projects on state owned routes. [LA DOTD is working with FHWA \(Division and Resource Center\) to get ideas on evaluating systemic projects, as well as, a research project at LTRC has been approved and will begin later this year to perform evaluation on Roadway Departure Statewide Systemic Project identified in 2014.](#)
- Continue to investigate and discuss options with Louisiana FHWA division office for the development and use of force account procedures on federal-aid safety projects. Force account projects will allow District offices and potentially Local Public Agencies the option to install low cost safety improvements with in-house forces at reduced costs and compressed timelines. [A meeting was held with FHWA division office \(4/26/2021\) on how to move forward with this concept. Researching next steps.](#)
- Research developing a methodology to program small scale (<\$100,000) proven safety countermeasure projects that are in conjunction with existing planned preservation projects. This would be a condensed safety project application. [Need to revisit methodology for these projects and discuss with FHWA.](#)

2021 New Actions to Undertake:

- Develop statewide contract-technical assistance for non-motorized studies and design.
- Investigate potential for developing new specifications on Raised Rumble Strips/Stripes; Intersection Conflict Warning System; and Pedestrian Hybrid Beacon.
- Meet with Preservation Section on safety baseline checklist to assess current and any recommended revisions.
- Work with LTAP to update LRS Program application, guideline, assessment form to target more data driven projects.
- Investigate opportunities to provide more technical assistance to LPAs and MPOs for identifying projects based on statewide crash data analysis.

Appendix A	2020 HSIP Implementation Plan Project Listing - Status <small>(as of 8/17/2020)</small>										
Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date	Comments	Action/Justification for change (as of 6/23/2021)	Obligation Amt.
LA 16: Gourdon Lane Realignment	H.014058	RWD	\$1,085,000.00	HSIP	I/O	Urban-Minor Arterial	State	July 2021		Project moved to 11/2021 due to plan development	\$ -
I-210:Cove Ln Intg-E JCT I-10 *	H.010865	RWD	\$1,532,000.00	HSIP	I/O	Interstate	State	July 2021		Constr. Project to LET July 2021 for \$1,087,000	\$ 1,385,686.50
LA 88: Realign Curves in Coteau	H.010922	RWD	\$4,737,000.00	HSIP	I/O	Urban-Major Collector	State	February 2021		Project moved to 1/2022 due to right-of-way and utility relocations	\$ -
US 90: Cable Barrier in Assump/St. Mary *	H.011937	RWD	\$990,000.00	HSIP	I/O	Small Urban-Free Way and Rural-Free Way	State	June 2021			\$ 1,413,156.71
St. Bernard Signing & Striping	H.009175	RWD	\$95,570.00	LRSP	I/O	Varies	Local	April 2021	HSIPPEN funds	Project moved to 6/2021 for plan development.	\$ 517,992.52
City of Monroe Guard Rail Installation	H.011895	RWD	\$50,000.00	LRSP	I/O	Varies	Local	August 2021	HSIPPEN funds	Constr. project to LET August 2021 for \$111,000	\$ 77,884.36
RWD Signing Plaquemines Parish	H.011949	RWD	\$230,658.00	LRSP	I/O	Varies	Local	July 2021	HSIPPEN funds	Project moved to 5/2021-ready early.	\$ 1,116,931.14
Curve Signing (Acadia)	H.013772	RWD	\$3,680.00	LRSP	I/O	Varies	Local	December 2020	HSIPPEN funds	Project phase authorized 4/2019	\$ -
Curve Signing & Striping (Evangeline)	H.013789	RWD	\$3,680.00	LRSP	I/O	Varies	Local	December 2020	HSIPPEN funds	Project phase authorized 3/2019	\$ -
Local Road Safety Upgrades (W. Feliciana)	H.012527	RWD	\$1,028,280.00	LRSP	I/O	Varies	Local	July 2021	HSIPPEN funds	Projected moved to 6/2021-ready early.	\$ 1,676,941.31
Local Road Signing (Bienville)	H.013769	RWD	\$3,680.00	LRSP	I/O	Varies	Local	February 2021	HSIPPEN funds	Project phase authorized 4/2019	\$ -
* systemic projects			\$8,344,000.00	Total using HSIP funds only							\$ 6,188,592.54
LA 14 @ LA 397 Roundabout	H.013344	Intersection	\$3,397,500.00	HSIP	I/O	Rural-Minor Arterial and Rural-Major Collector	State	June 2021		Project moved to 9/2021 due to R/W, Utilities, and plan development	\$ 787,304.40
LA 594:Roundabout at Rowland Rd.	H.012798	Intersection	\$2,885,000.00	HSIP	I/O	Urban-Minor Arterial	State	November 2020		Project bid 11/2020. Project authorized 8/2020	\$ -

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2021 Louisiana HSIP Implementation Plan

Appendix A											
2020 HSIP Implementation Plan Project Listing - Status <small>(as 8/17/2020)</small>											
Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date	Comments	Action/Justification for change (as of 6/23/2021)	Obligation Amt.
LA 98: Roundabout at Mills Street	H.012393	Intersection	\$3,009,740.00	HSIP	I/O	Rural-Major Collector	State	April 2021		Project moved to 6/2021 due to R/W, utilities and plan development Const. project to LET June 2021 for \$2,358,000	\$ 1,733,031.65
US 165: 0.26M N I-10-Allen P/L	H.013255	Intersection	\$1,031,250.00	HSIP	I/O	Rural-Principal Arterial	State	September 2021		Project moved to 2/2022 due to RR issues.	\$ -
US 190B @ Jefferson Ave. Roundabout	H.011260	Intersection	\$2,687,000.00	HSIP	I/O	Urban-Primary Arterial	State	March 2021		Project moved to 11/2021 due to R/W and Utility issues and rescoping.	\$ 1,981,877.90
I-49 Interch:LA 726/LA98/Pont Des Mouton	H.003459	Intersection	\$1,766,500.00	HSIP	I/O	Interstate	State	January 2021		Project moved to 6/2021 due to plan development.	\$ 4,163,298.37
Acadian Rd Roundabout	H.009320	Intersection	\$5,080,053.00	HSIP	I/O	Urban-Primary Arterial	State	October 2020		Project moved to 10/2021 due to plan development, utilities and R/W.	
LA 44: Widening and Roundabout @ LA 941	H.010909	Intersection	\$3,630,000.00	HSIP	I/O	Urban-Major Collector and Urban-Minor Collector	State	April 2021		Project moved to 6/2021 for utility relocations.	\$ 3,324,864.57
US 90:Ramps @ LA 88 Roundabouts	H.011495	Intersection	\$6,000,000.00	HSIP	I/O	Urban-Primary Arterial and Urban-Major Collector	State	October 2020		Project Authorized on 8/19/2020	\$ -
LA 3002: Access Management	H.011645	Intersection	\$1,846,350.00	HSIP	I/O	Urban-Primary Arterial	State	October 2020		Project moved to 9/2021 due to plan development.	
LA 511: Turn Lanes at Walker & Kennedy	H.014060	Intersection	\$1,641,000.00	HSIP	I/O	Urban-Minor Arterial and Local Rd.	State and Local	March 2021	HSIPPEN funds	Project moved to 6/2021 due to R/W & Utilities. Constr. Project to LET June 2021 for \$2,540,000	\$ 1,530,219.60
D61 FYA Part 2 *	H.013422	Intersection	\$2,070,000.00	HSIP	I/O	Varies	State	January 2021	HSIPPEN funds	Project bid 4/2021 due to plan development.	\$ 2,643,716.96
D61 FYA Part 3 *	H.012465	Intersection	\$3,000,000.00	HSIP	I/O	Varies	State	September 2021	HSIPPEN funds	Constr. Project to LET Sept. 2021 for \$3,000,000	
D08 FYA Part 1 *	H.012486	Intersection	\$1,250,000.00	HSIP	I/O	Varies	State	August 2021	HSIPPEN funds	Project moved to 12/2021, due to plan development.	\$ -
D04 FYA Part 2 *	H.012643	Intersection	\$2,250,000.00	HSIP	I/O	Varies	State	July 2021	HSIPPEN funds	Project moved to 2/2022 due to plan development.	\$ -
D04 FYA Part 1 *	H.013420	Intersection	\$2,250,000.00	HSIP	I/O	Varies	State	April 2021	HSIPPEN funds	Project moved to 6/2021 due to plan development.	\$ 3,782,196.44

*systemic project

2021 Louisiana HSIP Implementation Plan

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Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date	Comments	Action/Justification for change <small>(as of 6/23/2021)</small>	Obligation Amt.
Roundabout @ PR 929 & Parker Rd	H.006457	Intersection	\$1,000,000.00	LRSP	I/O		Local	July 2021	HSIPPEN funds	Project moved to 10/2021. Delayed due to lack of response from the Parish who is handling the design, right-of-way and utility relocations.	
LRSP Signs, Striping & X-Over(Gonzales)	H.013721	Intersection	\$174,951.00	LRSP	I/O		Local	August 2021	HSIPPEN funds	Project moved to 1/2023 due to plan development.	\$ -
LRSP Signs & Striping(Vernon, Sabine)	H.013763	Intersection	\$7,500.00	LRSP	I/O	Varies	Local	June 2021	HSIPPEN funds	Project moved from feasibility to construction with a LET date of December 2022.	\$ 170,026.80
Constitution Dr Signing & Striping	H.013101	Intersection	\$220,837.47	LRSP	I/O		Local	December 2020	HSIPPEN funds	Project bid 10/2020. Authorized 8/2020.	
* systemic projects			\$31,333,393.00	Total using HSIP funds only							\$20,116,536.69
LA 49 Williams Blvd Corridor Improvs	H.010570	Non-Motorized User	\$4,673,000.00	HSIP	I/O	Urban-Principal Arterial	State	May 2021		Project moved to 7/2022 due to revised scope.	\$ -
LA 30 (Nicholson Dr): Brightside-Gourier	H.002825	Non-Motorized User	\$3,160,000.00	HSIP	I/O	Urban-Principal Arterial	State	September 2021	HSIPPEN funds	Project moved to 2/2023 due to revised scope and plan development.	\$ -
Lafayette Consolidated Govt Sidewalks	H.006538	Non-Motorized User	\$940,000.00	SRTS	I/O		Local	February 2021	HSIPPEN funds	Project moved to 9/2021 due to large number of right of entry forms for driveway reconstruction.	
Pineville Sidewalks	H.011194	Non-Motorized User	\$244,600.00	SRTS	I/O	Urban-Minor Arterial	State/Local	July 2021	HSIPPEN funds	Project moved to 11/2021 due to utility relocations.	\$ -
Lake Charles SRTS Proj-Barbe Elem.	H.011196	Non-Motorized User	\$432,774.00	SRTS	I/O		Local	July 2021	HSIPPEN funds	Project moved to 7/2023 due to plan development.	\$ -
Pedestrian Crosswalk Enh. (NO PH2)	H.012682	Non-Motorized User	\$1,935,000.00	LRSP	I/O	Varies	State/Local	October 2020	HSIPPEN funds	Project moved to 6/2021 due to plan development.	\$ 3,065,574.33
I.A. Lewis Elem Sidewalk-PH2	H.013086	Non-Motorized User	\$430,720.00	SRTPP	I/O		Local	July 2021	HSIPPEN funds	Project moved to 5/2022 due to right of way issues.	\$ -
Gretna Downtown Pedestrian Improv.	H.013090	Non-Motorized User	\$263,220.00	SRTPP	I/O	Urban-Minor Arterial	State	July 2021	HSIPPEN funds	Project moved to 1/2022 due to plan development.	\$ -
			\$4,673,000.00	Total using HSIP funds only							\$ 3,065,574.33
LA 500: Grant P/L - US 84	H.013927	RWD	\$3,085,174.00	HSIP	I/O	Rural-Major Collector	State	February 2021	HRRR funds	Project bid 3/2021	\$ 3,085,174.00
* systemic projects											

*systemic project

2021 Louisiana HSIP Implementation Plan

Projects Not On List Above That Obligated HSIP/HSIPPEN Funds Between October 2020-September 2021											
Project Name	Project Number	Improvement Type	Project Cost	Program, Strategy or Activity	SHSP Emphasis Area	Functional Classification	Roadway Ownership	Current LET Date	Comments	Action/Justification for change (as of 6/23/2021)	Obligation Amt.
Local Road Signs & Striping (Caddo)	H.013766	RWD	\$827,000.00	LRSP	I/O	Urban-Major Collector	Local	December 2021		Funds authorized for engineering	\$123,616.69
Dist. 03 Rumblestrips (North)	H.013822	RWD	\$3,300,000.00	HSIP	I/O	Varies	State	March 2021		Original LET date was 1/2022.	\$4,443,041.36
Section 33 LTAP 10/1/2020-9/30/2021	H.972384	LTAP	\$359,266.00	HSIP	I/O	Rural-No Classification	State				\$359,266.00
LA 3092: Gauthier Rd @ Lake St. Roundabout	H.012052	INT	\$2,450,000.00	HSIP	I/O	Urban-Minor Arterial	State	January 2022		Funds authorized for engineering	\$67,030.30
I-10 Ramps @ LA 3019 INT IMP	H.012676	INT	\$1,197,000.00	HSIP	I/O	Urban-Principal Arterial	State	June 2021		Constr. Project to LET June 2021 for \$32,000	\$40,666.03
New Orleans DPW SRTS Sidewalk Proj.	H.009308	Non-M	\$1,198,000.00	SRTS	I/O	Urban-Principal Arterial	Local	May 2021			\$1,995,046.96
US 61: Cardinal Dr-Bert St.	H.014305	Planning	\$160,000.00	HSIP	I/O	Urban-Principal Arterial	State	July 2022		Funds authorized for feasibility	\$197,916.69
LA 3152 Lane Modifications	H.014092	INT	\$417,000.00	HSIP	I/O	Urban-Varies	State	June 2021		Constr. Project to LET June 2021 for \$417,000	\$479,220.23
LA 3139: Dickory Ave.-Orleans P/L	H.012918	Non-M	\$261,000.00	HSIP	I/O	Urban-Varies	State	June 2021		Constr. project to LET June 2021 for \$261,000	\$333,125.93
Westdale & Bernard Terrace	H.006499	Non-M	\$553,000.00	SRTS	I/O		Local	June 2021		Constr. project to LET June 2021 for \$553,000	\$116,836.08
SHSP Development & Planning 2022	H.972419	Planning	\$705,310.46	HSIP	I/O	Urban-No Classification	State	March 2021			\$224,808.86
											\$8,380,575.13
										Total of projects obligated bwn Oct. 2020-June 2021	\$40,836,452.69
										Expected obligations between June-Sept 2021	
										Total of all projects	\$10,359,000.00
										2020 Plan Target	\$42,651,957

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