



LOUISIANA STRATEGIC HIGHWAY SAFETY PLAN
STATEWIDE EMPHASIS AREA TEAM
INFRASTRUCTURE AND OPERATIONS ACTION PLAN
TEAM LEADERS: Karla Courtade, DOTD and Steve Strength, LTAP

Goal: Reduce roadway departure, intersection, and non-motorized user fatalities and serious injuries by half by 2030 (from 2011 baseline).

Objective 1: Institutionalize a transparent, objective, data-driven HSIP Project Selection process.

Strategy 1.1: Increase the number of data-driven HSIP projects on state roads.

Strategy leader: Adriane McRae

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	Progress
1.1.1	Jes Deville, Reg'l I&O Team Leaders	Develop Top 10 lists for Top 20 parishes for Regional Safety Coalition I&O Teams.	20 Prioritized lists of locations for safety project consideration	More targeted efforts in the I&O regional teams	December 2017	-	
1.1.2	Jes Deville, Chris Ewing, Jackie Baumann, Kenyatta Robertson	Develop a Pilot District HSIP Investment Plan for District 61	District 61 HSIP Investment Plan	Prioritized list of potential safety projects	February 2018	-	<u>2-22-18</u> Jessica developed a pilot program for District 61 to prioritize potential safety projects. The list was distributed to the group. She is currently working on a documented methodology so that other districts can use.
1.1.3	Adriane McRae, Jes Deville, Dale Craig, Consultant	Develop District 08 HSIP Investment Plan	District 08 HSIP Investment Plan	Prioritized list of potential safety projects	December 2018	\$325k	<u>2-22-18</u> Jessica is currently working on the District 08 plan.

1.1.4	Adriane McRae, DOTD Highway Safety	Continually assess the state of the practice for including crash data analyses and benefit-cost analyses in Stage 0 submittals.	# of Stage 0s with proper documentation	Better targeted countermeasures	Annually measured	
1.1.5	Jim Chapman, Jes DeVille	Identify commonly used countermeasures for roadway departure, intersection, and non-motorized users and prepare a resource summarizing research on effectiveness (CMFs) and estimated unit costs.	CMF Database	Consistent evaluation of submitted safety projects	December 2018	
1.1.6	Adriane McRae, Jim Chapman, Consultant	Develop a benefit/cost analysis tool.	Excel-based tool	More b/c analyses in Stage 0s	December 2017	<u>2-22-18</u> The benefit cost analysis tool is anticipated to be released soon.
1.1.7	Adriane McRae, Jim Chapman	Produce annually an average crash rate for the various categories of HSIP projects. Work with LCTS and LTAP to inform locals, districts, and coalitions of the results.	Produce annual report	# of Districts, local agencies, and coalitions informed annually	September 2018	<u>2-22-18</u> The results will be distributed to inform locals, districts and coalitions of the results.
1.1.8	Adriane McRae	Initiate and manage consultant studies for high priority locations (roundabouts and road diets based on network screening); coordinate with Districts on implementation	# of studies completed and approved for PDP	More feasible safety projects (b/c)	On-going	<u>2-22-18</u> They are currently working on developing a formal process engaging consulting studies.

Strategy 1.2: Develop a streamlined project delivery with a data-driven project selection process in the Local Road Safety Program (LRSP).

Strategy leaders: Laura Riggs, DOTD and Marie Walsh, LTAP

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	
1.2.1	Leo Marretta	Update the SOP.	Updated SOP	Standardized process	December 2017		<u>2-22-18</u> Marie indicated that there has been progress on all strategies included in 1.2
1.2.2	Leo Marretta, Steve Strength	Follow up on Crash Data Workshops.	LRSP project apps from each region	Better local engagement	December 2017		
1.2.3	Peter Allain, Jason Chapman	Validate AADTs and gather local input/data.	Updated AADTs based on available data	More accurate network screening results	December 2017		
1.2.4	Peter Allain, Jim Chapman	Refine local road network screening process for updated crash data profiles.	List of high PSI locations provided to locals	# of local road projects submitted in accordance with the list	March 2019		
1.2.5	Marie Walsh, Peter Allain	Conduct systemic analysis of roadway departure crashes for local roads.	Risk factors	Criteria for LRSP parish wide low-cost safety improvement projects	December 2018		
1.2.6	Marie Walsh, Leo Marretta	Facilitate the development of Parish Safety Plans.	Parish Safety Plans	Better targeted LRSP apps, saved lives	June 2019		
1.2.7	Laura Riggs	Shorten project delivery timelines.	Project schedules	Project delivery in less than 3 years	December 2018		<u>2-22-18</u> Marie indicated they are going to start tracking how long this takes so that they are able to shorten the project delivery timelines.
1.2.8	Laura Riggs	Issue an annual call for LRSP projects.	More focused and streamlined	Allows for ease of prioritization	December 2018		

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	
			annual process				
1.2.9	Jim Chapman	Conduct an annual post-evaluation of local road safety program.	MOEs	More informed process	December 2018		

Strategy 1.3: Improve data collection, data quality, data analysis, mapping, and reporting for all public roadways and educate users on how to access the data and information.

Strategy leaders: April Renard, DOTD and Cory Hutchinson, HSRG

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	Progress
1.3.1	April Renard, Cory Hutchinson	Develop a GIS-based crash query tool	Dynamic crash query tool that is map-based	A web-based crash database that is compatible with Roads & Highways	March 2018		
1.3.2	Jason Chapman, Andre Fillastre	Add attributes to intersection database.	Improved network screening for intersections	All significant intersection attributes are identified	May 2019		
1.3.3	Bryan Costello, Cory Hutchinson, LHSC, TRCC	Update the Louisiana Uniform Crash Report to better gather data for all end-users (DOTD, HSRG, FARS, etc.) by 2020; include MMUCC req'ts	Better crash data for more informed decision-making	An updated crash report form and all associated programs	2020		<u>2-22-18</u> April reported that the report hasn't been updated since 2005 and in order to do so, it should be coordinated through TRCCC.
1.3.4	Ron Whitaker	Provide law enforcement training on the updated crash report form	Better crash data for more informed decision-making	# of officers trained	On-going		
1.3.5	April Renard, Cory Hutchinson	Develop or acquire SMS software and integrate within business processes.	SMS implemented	Easy to use and understand safety analyses	June 2018	\$20k per year	
1.3.6	TBD	Provide training on SMS software.	# of training sessions conducted, # of persons trained	Widespread use of safety data analysis	June 2020		
1.3.7	Bryan Costello, Cory Hutchinson	Assure quality of critical crash data elements.	Accurate crash data elements	Less time spent on reviewing crash reports at the project level	August 2018		

1.3.8	Bryan Costello	Develop a safety data request portal.	Web-based request form	Improved accessibility and communication	March 2018		
1.3.9	Bryan Costello	Update the crash report manual.	Updated crash report manual	More consistent crash report coding, esp. severity	December 2018		

Objective 2: Safely accommodate all road users (motorists and non-motorists such as, but not limited to, pedestrians, transit users, and bicyclists of all ages and abilities).

Strategy 2.1: Implement the Safe Routes to Public Places Program within the HSIP using data-driven safety analyses and tools.

Strategy leaders: Laura Riggs, DOTD

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	Progress
2.1.1	Laura Riggs	Issue annual call for projects.	# of project applications	More non-motorized user focused projects in HSIP	Annual - February		<u>2-22-18</u> Laura reported that last year they received 21 applications, 15 advanced to feasibility, and 7 are located on state routes. Applications for this year are due on April 20, 2018.
2.1.2	Leo Marretta, Laura Riggs	Evaluate project proposals using standardized criteria.	Project scores	Prioritized list of SRTPPP projects	Annual - April		
2.1.3	Laura Riggs, Karla Courtade	Implement projects and obligate 100% of funding apportionment.	# of projects let	See Complete Streets Performance Measures	Annual – June		
2.1.4	Jes DeVille	Purchase and incorporate strava data for estimating exposure data and incorporate into Complete Streets Performance Measures	Ped/Bike Counts	Ped/Bike Crash Rates	May 2018		

Strategy 2.2: Encourage proven safety countermeasures through implementation of Louisiana’s Complete Streets Policy in all projects.

Strategy leaders: April Renard, Jes DeVille

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	Progress
2.2.1	April Renard, Jes DeVille, Jody Colvin, Betsey Tramonte	Conduct the EDC-STEP workshop with Toole Design Group (PHB, high visibility crosswalks, raised crosswalks, pedestrian refuge islands, road diets)	Action plan for implementing proven countermeasures for pedestrians	Better targeted efforts	December 2017		<u>2-22-18</u> April & Jessica are working on the report and once it is finalized, they will introduce it to the state's complete streets committee.
2.2.2	Adriane McRae, Arcadis	Implement safety projects identified within the New Orleans PSAP.	Proposed pedestrian safety improvement projects to be included in the HSIP	Improved pedestrian safety	May 2020	TBD	
2.2.3	April Renard, Arcadis	Develop the EBR Bike/Ped Safety Action Plan	Prioritized list of projects to improve bike/ped safety	Better targeted resources	May 2019	\$500k	
2.2.4	April Renard, Arcadis	Implement safety projects identified within the Baton Rouge BPSAP.	Proposed pedestrian and bicyclist safety improvement projects to be included in the HSIP	Improved pedestrian and bicyclist safety	May 2020	TBD	
2.2.5	April Renard	Monitor NCHRP program for ped/bike safety analysis methods/projects (NCHRP 17-84)	Methodology for bike/ped network screening	Improved process for identifying potential projects	January 2020		

Objective 3: Institutionalize the consideration of substantive safety within the project development process.

Strategy 3.1: Encourage the use of road safety assessments (RSA) in the project development process.

Strategy leader: Steve Strength, LTAP

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	Progress
3.1.2	LTAP/LCTS	Conduct regional RSA workshops.	9 regional workshops conducted	Trained 4E teams	May 2018		<u>2-22-18</u> Steve announced that regional workshops will be made available, so if anyone is interested please reach out. The idea is to eventually have a team that can host these workshops.
3.1.3	Regional Coordinators	Develop core regional RSA teams in accordance with the RSA guidance.	9 RSA Teams assembled	Formalized multidisciplinary teams	December 2017		
3.1.4	Regional Safety Coalition I&O Teams	Identify sites that may benefit from an RSA.	# sites identified for RSA	Better targeted efforts	On-going		
3.1.5	Regional Coordinators	Facilitate RSA in accordance with the RSA guidance.	# of RSAs conducted	Formalized RSA process	On-going		
3.1.6	DTOE, LPA	Produce RSA report and implement appropriate recommendations.	# of RSAs reports and # of projects implemented	Reduction in fatalities and serious/moderate injuries	On-going		
3.1.7	LTAP	Develop a process for coordinators for RSAs	Process	Better targeted efforts			
3.1.8	LTAP	Develop a criteria for what needs an RSA	Process	Better potential projects identified			

Strategy 3.2: Institutionalize quantitative safety analysis methods within the project development process (linked to EDC-4 DDSA).

Strategy leaders: Adriane McRae, April Renard, Betsey Tramonte

Action Step #	Action Step Leader	Description	Output Measure	Outcome Measure	Timeline	Budget	Progress
3.2.1	Adriane McRae, April Renard, Betsey Tramonte	Develop a DDSA Task Force to assess current programs/practices, review best practices, and identify gaps.	Potential process improvements identified	Prioritized efforts for updating policies/practices	March 2018		
3.2.2	Consultant TBD	Develop a Data Driven Safety Analysis (DDSA) Implementation Plan	Plan produced	Targeted efforts	Sept 2018		
3.2.3	Consultant TBD	Develop guidance to identify scale/scope of safety analysis at each stage of project development.	Guidance drafted	Transparent and consistent safety analysis process	December 2018		
3.2.4	TBD	Provide training on new guidance.	# of workshops conducted	Better informed stakeholders	On-going		
3.2.5	Adriane McRae, April Renard	Incorporate safety consideration on Stage 0 checklist and design report form	Updated documents	Early consideration of quantitative safety in all projects	December 2017		

Output measures generally refer to the calculation, recording, or tabulation of the results of an activity, effort, program, or process that can be expressed quantitatively.

Outcome measures generally are the results of an activity, plan, process, or program and how that result compares to what was originally intended.