



NJ 2020 SHSP

Lane Departure Emphasis Area

Completed Priority Action 1.B.1.c.

List of resources to assist road owners addressing identified high-risk lane departure crash locations



November 29, 2021





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Agency	Program	Resources
FHWA	Roadway Departure Safety	https://safety.fhwa.dot.gov/roadway_dept/
	Systemic Approach to Rural Roadway Departures	https://safety.fhwa.dot.gov/FoRRRwd/systemicapproach.cfm
	EDC Rural Roadway Departures	https://www.fhwa.dot.gov/innovation/everydaycounts/edc_5/roadway_departures.cfm
	Proven Safety Countermeasures	https://safety.fhwa.dot.gov/provencountermeasures/
New Jersey Department Transportation	Manuals/Publications	
	2019 Standard Specification	https://www.state.nj.us/transportation/eng/specs/2019/Division.shtml
	Roadway Design Manual, 2015	https://www.state.nj.us/transportation/eng/documents/RDM/documents/2015RoadwayDesignManual_20201002.pdf
	Standard Details - Roadway, Traffic Control, Bridge, 2016	https://www.state.nj.us/transportation/eng/CADD/v8/pdf/StandConstDetails.pdf
	Sample Plans, 2016	https://www.state.nj.us/transportation/eng/pdf/SamplePlans.pdf
	NI Specific Calibration Factors for HSM Analysis	provide one sheet document to be linked to website
	NJDOT Technology Transfer	https://www.njdottechtransfer.net/
	How New Jersey Counties are Reducing Rural Roadway Departures	https://www.njdottechtransfer.net/2020/03/26/how-new-jersey-counties-are-reducing-rural-roadway-departures/
	Focusing on Reducing Rural Roadway Departures	https://www.njdottechtransfer.net/2019/10/11/fhwa-reducing-rwd-video/
	Safety Voyager	
	User Access	https://www.state.nj.us/transportation/refdata/accident/crashdatasearch.shtml
	Safety Voyager Website	https://www.njvoyager.org/app/
	Local Safety Peer Exchange	https://www.njdottechtransfer.net/tech-talks-old/peer-exchange/
	Peer Exchange Presentations:	
	Make Your Mark: A Local Safety Peet Exchange	https://www.njdottechtransfer.net/wp-content/uploads/2017/12/Introduction-Sophia-Azam-Caroline-Trueman.pdf
	Data-Driven Safety Analysis – Nominal vs Substantive Safety	https://www.njdottechtransfer.net/wp-content/uploads/2017/12/FHWA-Resource-Center-Nominal-vs-Substantive-Safety.pdf
	FHWA's 2017 Update of the Proven Safety Countermeasures	https://www.njdottechtransfer.net/wp-content/uploads/2017/12/FHWA-2017-Update-Proven-Safety-Countermeasures.pdf
	Local Safety Peer Exchange: A Municipal Perspective	https://www.njdottechtransfer.net/wp-content/uploads/2017/12/Princeton-Municipal-Perspective.pdf
	Pavement Friction Surface Treatments	https://www.njdottechtransfer.net/wp-content/uploads/2017/12/Pavement-Friction-Surface-Treatments.pdf
	Project Screening: Using Data-Based Analysis	https://www.njdottechtransfer.net/wp-content/uploads/2017/12/Project-Screening-Using-Data-Based-Analysis.pdf
Safety Voyager	https://www.njdottechtransfer.net/wp-content/uploads/2018/04/Safety-Voyager-Demonstration.pdf	
Systemic Safety Improvements	https://www.njdottechtransfer.net/wp-content/uploads/2018/06/Cumberland-Systemic.pdf	
Local Safety Peer Exchanges: Summary Report	https://www.njdottechtransfer.net/wp-content/uploads/2019/08/LSPF-Final-Report_080119wAppendix.pdf	
Institute of Transportation Engineers (ITE)	ITE Website	https://www.ite.org/
	Publications:	
	Speed Management Action Plan Template Problem Identification, Solutions, Implementation, Evaluation	https://www.ite.org/pub/?id=008F2C0A-F301-4D82-3008-827016F01F03
	Implementing Safe Systems in the United States: Guiding Principles and Lessons from International Practice	https://www.ite.org/pub/?id=0DBED82C-ED8E-E43D-4050-878F536FB7F2
	Safe Systems Framework	https://www.ite.org/pub/?id=C8B1C6F9-DCB5-C4F3-4332-4BBE1F58BA0D
Safe Systems Synthesis: An International Scan for Domestic Application	https://www.ite.org/pub/?id=DCE159F7-0416-C7B0-B45D-E7881C538037	
Transportation Research Board	Transportation Research Board Website	https://www.nationalacademies.org/trb/transportation-research-board
	Evaluation of Data Needs, Crash Surrogates, and Analysis Methods to Address Lane Departure Research Questions Using Naturalistic Driving Study Data	https://www.nap.edu/read/22848/chapter/1
	Analysis of Naturalistic Driving Study Data: Roadway Departures on Rural Two-Lane Curves	https://www.nap.edu/read/22317/chapter/1
	Initial Analysis from SHRP 2 Naturalistic Driving Study: Addressing Driver Performance and Behavior in Traffic Safety	https://www.nap.edu/read/22621/chapter/1
AASHTO	AASHTO Website	https://www.transportation.org/
	Publications:	
	Highway Safety Manual	http://www.highwaysafetymanual.org/Pages/RelatedResources.aspx
	Driving Down Lane-Departure Crashes - A National Priority	https://store.transportation.org/Item/PublicationDetail?ID=1217
Safety Features for Roadway Departures	https://store.transportation.org/Item/TrainingDetail/4562	
Regional Curve Inventory and Safety Assessment	NJTPA	
	North Jersey Transportation Planning Authority	NJTPA@NJTPA.org
	DVRPC	
	Delaware Valley Regional Planning Commission	215-592-1800
	SJTPO	
South Jersey Transportation Planning Organization	info@sjtpo.org	
Other	Division of Highway Traffic Safety	https://www.njoag.gov/about/divisions-and-offices/division-of-highway-traffic-safety-home/
	County and Municipal Traffic Engineer's Association (CAMTEA)	Ted Green tngreen@soe.rutgers.edu
	Crash Modification Factors Clearinghouse	http://www.cmfclearinghouse.org/
	Network Screening List - High Crash Locations	https://www.arcgis.com/home/webmap/viewer.html?webmap=037695a5e0e949ba91c81d62c1b40b3&extent=-75.6814,39.3857,-73.866,40.6008