Grouping Category	Function of Grouping Activities	Allowable Work Types
Highway Safety	Any strategy, activity or project on a	Intersection safety improvements
mprovement rogram(HSIP)	public road that is consistent with the data-driven State Strategic Highway	• Pavement and shoulder widening (including a passing lane to remedy an unsafe condition)
Grouping	Safety Plan (SHSP) and corrects or improves a hazardous road location or	• Installation of rumble strips or another warning devices, if they do not adversely affect the safety or mobility of bicyclists and pedestrians
	feature or addresses a highway safety	Installation of skid-resistant surface at intersections or locations with high crash frequencies
	problem, including workforce development, training and education	Improvements for pedestrian or bicyclist safety
Kingsport	activities.	• Construction and improvement of a railway-highway grade crossing safety feature, including installation of protective devices
МТРО	Elizibility of coordinates	• The conduct of a model traffic enforcement activity at a railway-highway crossing
	Eligibility of specific projects, strategies, and activities is generally	Construction of a traffic calming feature
	based on:	Elimination of a roadside hazard
Old Page	Consistency with SHSP,	• Installation, replacement, and other improvements of highway signage and pavement markings, or a project to maintain minimum levels of retro-reflectivity that addresses a highway safety problem consistent with the SHSP
	-	Installation of emergency vehicle priority control systems at signalized intersections
	 Crash experience, crash potential, 	Installation of traffic control or other warning devices at locations with high crash potential
STIP #	or other data-supported means,	Transportation safety planning
782135	Compliance with the	Collection, analysis, and improvement of safety data
	requirements of Title 23 of the	• Planning integrated interoperable emergency communications equipment or operational or traffic enforcement activities (including
	USC, and	police assistance) related to work zone safety
	State's strategic or	• Installation of guardrails, barriers (including barriers between construction work zones and traffic lanes), and crash attenuators
TIP # TN-2	performance-based safety	• The addition or retrofitting of structures or other measures to eliminate or reduce crashes involving vehicles and wildlife
	goals to reduce fatalities and	Installation of yellow-green signs and signals at pedestrian and bicycle crossings and in school zones
	 serious injuries on all public roads. Projects to upgrade railway- 	Construction and operational improvements on high risk rural roads
		Geometric improvements to a road for safety purposes that improve safety
		Road safety audits
	highway grade crossings by	Roadway safety infrastructure improvements consistent with FHWA's "HighwayDesign Handbook for Older Drivers and
	eliminating hazards and installing protective devices.	Pedestrians" (FHWA-RD-01-103)
		• Truck parking facilities eligible for funding under Section 1401 of MAP-21
		Systemic safety improvements
		Installation of vehicle-to-infrastructure communication equipment.
		Pedestrian hybrid beacons.
		 Roadway improvements that provide separation between pedestrians and motor vehicles, including medians and pedestrian crossin islands.
		• Other physical infrastructure projects not specifically enumerated in the list of eligible projects.
		Workforce development, training, and education activities

Appendices	
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Grouping Category	Function of Grouping Activities	Allowable Work Types
Highway Safety Improvement Program(HSIP) Grouping		 Activities included as part of the Highway Railroad Grade Crossing program: Elimination of hazards of railway-highway crossings, including the separation or protection of grades at crossings Reconstruction of existing railroad grade crossing structures Relocation of highways to eliminate grade crossings
(continued) Old Page STIP # 1782135 TIP # TN-2		Installation of protective devices

Grouping Category	Function of Grouping Activities	Allowable Work Types
		 Minor rehabilitation, pavement resurfacing, preventative maintenance, restoration, and pavement preservation treatments to extend the service life of highwayinfrastructure, including pavement markings and improvements to roadside hardware or sight distance Highway improvement work including slide repair, rock fall mitigation, drainage repairs, or other preventative work necessary to maintain or extend the service life of the existing infrastructure in a good operational condition Minor operational and safety improvements to intersections and interchanges such as adding turn lanes, addressing existing geometric deficiencies, and extending on/off ramps Capital and operating costs for intelligent transportation systems (ITS) and traffic monitoring, management, and control facilities and programs: Infrastructure-based intelligent transportation systems (ITS) capital improvements Traffic Management Center (TMC) operations and utilities Freeway service patrols Traveler information Bridge and tunnel construction (no additional travel lanes), replacement, rehabilitation, preservation, protection, inspection, evaluation, and inspector training and inspection and evaluation of other infrastructure assets, such as signs, walls, and drainage structures Development and implementation of a State Asset Management Plan including data collection, maintenance and integration, software costs, and equipment costs that support the development of performance-based management systems for infrastructure Rail-highway grade crossing improvements Highway safety improvements Spot safety improvements Spot safety improvements Spot safety improvements Sidewalk improvements Pedestrian and/or bicycle facilities Traffic calming and traffic diversion im
		 Wetland and/or stream mitigation Environmental restoration and pollution abatement Control of noxious weeds and establishment of native species

Grouping Category	Function of Grouping Activities	Allowable Work Types
Surface Transportation Block Grant Program (STBG) Grouping Old Page STIP # 1782115 TIP # TN-3	 Projects and programs for the preservation and improvement of the conditions and performance of Federal-aid highways and public roads, including: Rehabilitation, resurfacing, restoration, preservation, and operational improvements on Federal-aid highways and designated routes of the Appalachian Development Highway System (ADHS) and local access roads under 40 USC 14501, Traffic operations on Federal-aid highways, Bridge and tunnel improvements on public roads, Safety improvements on public roads, Environmental mitigation Scenic and historic highway programs, Landscaping and scenic beautification, 	Activities previously authorized under the Surface Transportation Program (STP): • Minor rehabilitation, pavement resurfacing, preventative maintenance, restoration, and pavement preservation treatments to extend the service life of highway inprovement work including gavement markings and improvements to roadside hardware or sightdistance • Highway inprovement work including side repair, rock fall mitigation, drainage repairs, or other preventative work necessary to maintain or extend the service life of the existing infrastructure in a good operational condition • Minor operational and safety improvements to intersections and interchanges such as adding turn lanes, addressing existing geometric deficiencies, and extending on/off ramps • Capital and operating costs for intelligent transportation systems (ITS) capital improvements • Infrastructure-based intelligent transportation systems (ITS) capital improvements • Traffic Management Center (TMC) operations and utilities • Traffic Management Center (TMC) operation and evaluation of other infrastructure assets, such as signs, walls, and drainage structures • Traffic Management Center (TMC) operation and evaluation of other infrastructure assets, such as signs, walls, and drainage structures • Traffic Management Center (TMC) operation and evaluation of other infrastructure assets, such as signs, walls, and drainage structures • Traffic Management Center (TMC) operation and evaluation of other infrastructure assets, such as signs, walls, and drainage structures • Traffic Management Center (TMC) operatin and unspector training and inspection and evaluation of other pr

Surface			 Pedestrian and bicycle facilities, safety, and educational activities
Transportation Block Grant	•	Historic preservation,	 Acquisition of scenic easements and scenic or historic sites
Program (STBG)	•	On and off wood podestwice	O Scenic or historic highway programs
Grouping		On- and off-road pedestrian and bicycle facilities,	O Landscaping and other scenic beautification activities
(continued)		, ,	O Historic preservation
	٠	Infrastructure projects for	• Rehabilitation and operation of historic transportation buildings, structures, or facilities
		improving non-driver access to public transportation and	 Preservation of abandoned railway corridors
Old Page		enhanced mobility,	 Inventory, control, and removal of outdoor advertising
			• Archaeological planning and research
	•	Community improvement	 Environmental mitigation to address water pollution due to highway runoff or reduce vehicle-caused wildlife mortality
STIP #		activities,	while maintaining habitat connectivity
1782115	•	Recreational Trail	O Establishment of transportation museums
		Program projects,	O Activities under the Tennessee Roadscapes grant program, including landscaping, irrigation, benches, trash cans, paths, ar
TIP # TN-3			signage
	•	Safe Routes to School (SRTS)	Activities previously authorized under the Safe Routes to School Program (SRTS):
		projects,	Sidewalk improvements
	•	Transportation Enhancement	Traffic calming and speed reduction improvements
		projects,	Pedestrian and bicycle crossing improvements
			On-street bicycle facilities
	•	Transportation Alternatives	Off-street bicycle and pedestrian facilities
		projects,	Secure bicycle parking facilities
	•	Projects for the creation,	Traffic diversion improvements approximately within 2 miles of a school location
		rehabilitation, and maintenance of multi-use recreational trails.	Non-infrastructure related activities:
			 Public awareness campaigns and outreach to press and community leaders
			O Traffic education and enforcement in the vicinity of schools
			Student sessions on bicycle and pedestrian safety, health, and environment
			Funding for training, volunteers, and managers of safe routes to school program
			Activities previously authorized under the Transportation Alternatives Program (TAP):
			 Construction, planning, and design of on-road and off-road trail facilities forpedestrians, bicyclists, and other non-motorized forms of transportation, including:
			O Sidewalk improvements
			O Bicycle infrastructure
			O Pedestrian and bicycle signals
			O Traffic calming techniques
			O Lighting and other safety-related infrastructure

		Appendices
Surface	Projects for the planning,	 Transportation projects to achieve compliance with the Americans with Disabilities Act of 1990
ransportation lock Grant	design or construction of boulevards and other	 Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs
rogram (STBG) rouping	roadways largely in the right- of-way of former Interstate	 Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized transportation users
continued)	System routes or other divided highways.	Construction of turnouts, overlooks, and viewing areas
,	undeu nignways.	• Community improvement activities, which include but are not limited to:
		 Inventory, control, or removal of outdoor advertising
Old Page		O Historic preservation and rehabilitation of historic transportation facilities
		 Vegetation management in transportation rights-of-way to improve roadwaysafety, prevent invasive species, and provide erosion control
		 Archaeological activities relating to impacts from implementation of atransportation project eligible under Title 23 of
STIP #		the USC
1782115		Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to:
		 Address stormwater management, control, and water pollution preventionor abatement related to highway construction or due to highway runoff
TIP # TN-3		 Reduce vehicle-caused wildlife mortality or to restore and maintain connectivity among terrestrial or aquatic
		habitats
		Recreational Trails Program activities under 23 USC 206
		• SRTS Program infrastructure-related projects, non-infrastructure-related activities (such as pedestrian and bicycle safety and educational activities advanced under the SRTS program), and SRTS Coordinator positions.
		• Planning, designing, or constructing boulevards and other roadways largely in the right-of-way of former Interstate System routes o
		other divided highways
		Activities previously authorized under the Recreational Trails Program (RTP):
		Maintenance and restoration of existing recreational trails
		• Development and rehabilitation of trailside and trailhead facilities and trail linkages for recreational trails
		Purchase and lease of recreational trail construction and maintenance equipment
		Construction of new recreational trails
		 Acquisition of easements and fee simple title to property for recreational trails or recreational trail corridors
		 Assessment of trail conditions for accessibility and maintenance
		• Development and dissemination of publications and operation of educational programs to promote safety and environmental
		protection
		• Payment of costs to the State incurred in administering the program

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Grouping	Function of Grouping	
	Activities	Allowable Work Types
Grouping Category Highway Safety Improvement Program(HSIP) Grouping Adjusted Page STIP # 1782135 TIP # TN-2	 Function of Grouping Activities Any strategy, activity or project on a public road that is consistent with the data-driven State Strategic Highway Safety Plan (SHSP) and corrects or improves a hazardous road location or feature or addresses a highway safety problem, including workforce development, training and education activities. Eligibility of specific projects, strategies, and activities is generally based on: Consistency with SHSP, Crash experience, crash potential, or other data- supported means, Compliance with the requirements of Title 23 of the USC, and State's strategic or performance-based safety goals to reduce fatalities and serious injuries on all public roads. Projects to upgrade railway- highway grade crossings by eliminating hazards and installing protective devices. 	Allowable Work Types Intersection safety improvements Pavement and shoulder widening (including a passing lane to remedy an unsafe condition) Installation of numble strips or another warning devices, if they do not adversely affect the safety or mobility of bicyclists and pedestrians Installation of skid-resistant surface at intersections or locations with high crash frequencies Improvements for pedestrian or bicyclist safety Construction and improvement of a railway-highway grade crossing safety feature, including installation of protective devices The conduct of a model traffic enforcement activity at a railway-highway crossing Construction of a traffic calming feature Elimination of a radiside hazard Installation of endel traffic control or other improvements of highway signage and pavement markings, or a project to maintain minimum levels of retro-reflectivity that addresses highway safety problem consistent with the SHSP Installation of emergency vehicle priority control systems at signalized intersections Installation of affic control or other warning devices at locations with high crash potential Transportation safety planning Collection, analysis, and improvement of safety data Planning integrated interoperable emergency communications equipment or operational or traffic clanes), and crash atternuators The addition or retrofitting of structures or other measures to eliminate or reduce crashes involving vehicles and wildlife Installation of operational improvements on high risk rural roads Geometric improvemenents on high risk rural roads Geometric
		 crossing islands. Other physical infrastructure projects not specifically enumerated in the list of eligible projects. Workforce development, training, and education activities

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Grouping Category	Function of Grouping Activities	Allowable Work Types
Highway Safety Improvement Program(HSIP) Grouping		 Activities included as part of the Highway Railroad Grade Crossing program: Elimination of hazards of railway-highway crossings, including the separation or protection of grades at crossings Reconstruction of existing railroad grade crossing structures Relocation of highways to eliminate grade crossings
(continued) Adjusted Page STIP # 1782135 TIP #TN-2		 Installation of protective devices Projects authorized from this grouping may be authorized with a different Federal percentage than shown in the grid based on one or more of the following: o 90% for certain Interstate projects under <u>23 U.S.C. 120(a)</u>; o 100% for certain safety items under <u>23 U.S.C. 120(c)</u>; or o 100% for Appalachian Development Highway System (ADHS) projects under <u>MAP-21 \$1528</u> and <u>40 U.S.C. 14501</u>.

Grouping Category	Function of Grouping Activities	Allowable Work Types
National Highway Performance	Projects for the preservation and improvement of the conditions and performance of the National	 Minor rehabilitation, pavement resurfacing, preventative maintenance, restoration, and pavement preservation treatments to extend the service life of highwayinfrastructure, including pavement markings and improvements to roadside hardware or sight distance
Program (NHPP) Grouping	Highway System (NHS), including	• Highway improvement work including slide repair, rock fall mitigation, drainage repairs, or other preventative work necessary to maintain or extend the service life of the existing infrastructure in a good operational condition
Adjusted	• Rehabilitation, resurfacing, restoration, preservation, and	• Minor operational and safety improvements to intersections and interchanges such as adding turn lanes, addressing existing geometric deficiencies, and extending on/off ramps
Adjusted Page	operational improvements,	• Capital and operating costs for intelligent transportation systems (ITS) and traffic monitoring, management, and control facilities and programs:
STIP #	• Traffic operations,	 Infrastructure-based intelligent transportation systems (ITS) capital improvements Traffic Management Center (TMC) operations and utilities
1782110	Bridge and tunnel improvements,	 Freeway service patrols Traveler information
TIP # TN-1	Safety improvements,	 Bridge and tunnel construction (no additional travel lanes), replacement, rehabilitation, preservation, protection, inspection, evaluation, and inspector training and inspection and evaluation of other infrastructure assets, such as signs, walls, and drainage structures
	• Bicycle and pedestrian improvements, and	 Development and implementation of a State Asset Management Plan including data collection, maintenance and integration, software costs, and equipment costs that support the development of performance-based management systems for infrastructure
	• Environmental mitigation.	Rail-highway grade crossing improvements
		Highway safety improvements:
		O Installation of new or improvement of existing guardrail
		 Installation of traffic signs and signals/lights
		O Spot safety improvements
		Sidewalk improvements
		Pedestrian and/or bicycle facilities
		Traffic calming and traffic diversion improvements
		Noise walls
		Wetland and/or stream mitigation
		Environmental restoration and pollution abatement
		Control of noxious weeds and establishment of native species
		• Projects authorized from this grouping may be authorized with a different Federal percentage than
		shown in the grid based on one or more of the following:
		o 90% for certain Interstate projects under <u>23 U.S.C. 120(a);</u>
		o 100% for certain safety items under <u>23 U.S.C. 120(c)</u> ; or
		o 100% for Appalachian Development Highway System (ADHS) projects under <u>MAP-21 §1528</u>
		and <u>40 U.S.C. 14501</u> .

Grouping	Function of Grouping	Allowable Work Types
Category Surface Transportation Block Grant Program (STBG) Grouping Adjusted Page STIP # 1782115 TIP # TN-3	 Activities Projects and programs for the preservation and improvement of the conditions and performance of Federal-aid highways and public roads, including: Rehabilitation, resurfacing, restoration, preservation, and operational improvements on Federal-aid highways and designated routes of the Appalachian Development Highway System (ADHS) and local access roads under 40 USC 14501, Traffic operations on Federal-aid highways, Bridge and tunnel improvements on public roads, Safety improvements on public roads, Environmental mitigation Scenic and historic highway programs, 	Activities previously authorized under the Surface Transportation Program (STP): • Minor rehabilitation, pavement resurfacing, preventative maintenance, restoration, and pavement preservation treatments to extend the service life of highwayinfrastructure, including pavement markings and improvements to roadside hardware or sight distance • Highway improvement work including slide repair, rock fall mitigation, drainage repairs, or other preventative work necessary to maintain or extend the service life of theexisting infrastructure in a good operational condition • Minor operational and safety improvements to intersections and interchanges such as adding turn lanes, addressing existing geometric deficiencies, and extending on/off ramps • Capital and operating costs for intelligent transportation systems (ITS) capital improvements • Infrastructure-based intelligent transportation systems (ITS) capital improvements • Traffic Management Center (TMC) operations and utilities • Traveler information • Bridge and tunnel construction (no additional travel lanes), replacement, rehabilitation, preservation, protection, inspection, adularged structures • Development and implementation of a State Asset Management Plan including data collection, maintenance and integration, software costs, and equipment costs thatsupport the development of performance-based management systems for infrastructure • Installation of new or improvements • Installation of new or improvement of existing guardrail • Installation of new or improvements • Stidewaik improvements
	 Landscaping and scenic beautification, 	 Wetland and/or stream mitigation Environmental restoration and pollution abatement Control of noxious weeds and establishment of native species Activities previously authorized under the Transportation Enhancement Program:

Surface			0	Pedestrian and bicycle facilities, safety, and educational activities		
Transportation	Historic pre	eservation,	0	Acquisition of scenic easements and scenic or historic sites		
Block Grant Program (STBG)				Scenic or historic highway programs		
Grouping		On- and off-road pedestrian and bicycle facilities,		Landscaping and other scenic beautification activities		
	and bicycle			Historic preservation		
(continued)	 Infrastructure 	Infrastructure projects for	0	Rehabilitation and operation of historic transportation buildings, structures, or facilities		
		improving non-driver access to public transportation and enhanced mobility,		Preservation of abandoned railway corridors		
Adjusted				Inventory, control, and removal of outdoor advertising		
page	enhanced r			Archaeological planning and research		
STIP #			0	Environmental mitigation to address water pollution due to highway runoff or reduce vehicle-caused wildlife		
	-	Community improvement		mortality while maintaining habitat connectivity		
1782115	activities,		0	Establishment of transportation museums		
	Recreation	Recreational Trail Program projects,		Activities under the Tennessee Roadscapes grant program, including landscaping, irrigation, benches, trash cans, paths		
TIP # TN-3				and signage		
	0		Activities previously authorized under the Safe Routes to School Program (SRTS):			
	Safe Route	Safe Routes to School (SRTS)		Sidewalk improvements		
	projects,	projects,	Traffic calming and speed reduction improvements			
	_		 Pedestrian and bicycle crossing improvements On-street bicycle facilities Off-street bicycle and pedestrian facilities Secure bicycle parking facilities Traffic diversion improvements approximately within 2 miles of a school location 			
		tion Enhancement				
	projects,	projects,				
	Transporta	Transportation Alternatives				
	projects,					
			 Non-infra: 	structure related activities:		
		r the creation,	0	Public awareness campaigns and outreach to press and community leaders		
	rehabilitati		0	Traffic education and enforcement in the vicinity of schools		
		maintenance of multi-use recreational trails.		Student sessions on bicycle and pedestrian safety, health, and environment		
	recreatione			Funding for training, volunteers, and managers of safe routes to school program		
			Activities previously authorized under the Transportation Alternatives Program (TAP):			
				ion, planning, and design of on-road and off-road trail facilities forpedestrians, bicyclists, and other non- d forms of transportation, including:		
			0	Sidewalk improvements		
			0	Bicycle infrastructure		
			0	Pedestrian and bicycle signals		
			0	Traffic calming techniques		
			0	Lighting and other safety-related infrastructure		

Appendices				
urface		O Transportation projects to achieve compliance with the Americans with Disabilities Act of 1990		
ransportation lock Grant	 Projects for the planning, design or construction of boulevards and other 	 Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non- drivers, including children, older adults, and individuals with disabilities to access daily needs 		
ogram (STBG) rouping	roadways largely in the right-of-way of former	• Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized transportation users		
a satisfica d	Interstate System routes or	Construction of turnouts, overlooks, and viewing areas		
(continued)	other divided highways.	• Community improvement activities, which include but are not limited to:		
		O Inventory, control, or removal of outdoor advertising		
Adjusted		O Historic preservation and rehabilitation of historic transportation facilities		
Page		 Vegetation management in transportation rights-of-way to improve roadwaysafety, prevent invasive species, and provide erosion control 		
STIP #		O Archaeological activities relating to impacts from implementation of atransportation project eligible under Title		
782115		23 of the USC		
		 Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to: Address stormwater management, control, and water pollution preventionor abatement related to 		
TIP #		highway construction or due to highway runoff		
ГN-3		O Reduce vehicle-caused wildlife mortality or to restore and maintain connectivity among terrestrial or		
IN-3		aquatic habitats		
		Recreational Trails Program activities under 23 USC 206		
		• SRTS Program infrastructure-related projects, non-infrastructure-related activities (suchas pedestrian and bicycle safety and educational activities advanced under the SRTS program), and SRTS Coordinator positions.		
		• Planning, designing, or constructing boulevards and other roadways largely in the right-of-way of former Interstate System		
		routes or other divided highways		
		Activities previously authorized under the Recreational Trails Program (RTP):		
		Maintenance and restoration of existing recreational trails		
		• Development and rehabilitation of trailside and trailhead facilities and trail linkages for recreational trails		
		Purchase and lease of recreational trail construction and maintenance equipment		
		Construction of new recreational trails		
		• Acquisition of easements and fee simple title to property for recreational trails or recreational trail corridors		
		 Assessment of trail conditions for accessibility and maintenance 		
		 Development and dissemination of publications and operation of educational programs to promote safety and environmental protection 		
		Payment of costs to the State incurred in administering the program		
		Projects authorized from this grouping may be authorized with a different Federal percentage than		
		shown in the grid based on one or more of the following:		
		o 90% for certain Interstate projects under <u>23 U.S.C. 120(a);</u>		
		o 100% for certain safety items under <u>23 U.S.C. 120(c);</u> or		
		o 100% for Appalachian Development Highway System (ADHS) projects under <u>MAP-21 §1528</u>		
		and <u>40 U.S.C. 14501</u> .		