

Road and Bridge Work Type Codes / Rural Transit Scope Codes

Project Category Description	Sub-category Description	Work Type Code	Work Type Description	Long Description
Bridge	Bridge Improve	230	Widen Lanes	Widen bridge to increase number of lanes
Bridge	Bridge CPM	418	Overlay - Epoxy	Place a thin epoxy overlay on bridge deck
Bridge	Bridge CPM	419	Deck Patching	Patch deck with concrete, less than full depth
Bridge	Bridge CPM	420	Scour Protection	Place riprap or other scour countermeasures
Bridge	Bridge CPM	421	Miscellaneous Bridge CPM	Bridge CPM work does not fit another work type
Bridge	Bridge CPM	422	Painting Complete	Paint steel beams in entirety
Bridge	Bridge CPM	423	Pin & Hanger Replacement	Replace pin and hangers
Bridge	Bridge CPM	430	Joint Replacement	Replace bridge deck joints
Bridge	Bridge CPM	431	Substructure Patching	Patch concrete on pier or abutment
Bridge	Bridge CPM	432	Asphalt cap (no membrane)	Place hot mix asphalt overlay on bridge deck without a waterproof membrane
Bridge	Bridge CPM	433	Painting-zone	Paint ends of steel beams
Bridge	Bridge CPM	434	Asphalt overlay w/waterproofing membrane	Place a waterproofing membrane and hot mix asphalt overlay on bridge deck
Bridge	Bridge CPM	617	Deck Patching - Full Depth	Patch deck with concrete, full depth
Bridge	Bridge CPM	619	Bridge Barrier Railing Repair	Repair existing bridge railing
Bridge	Bridge CPM	620	Thrie Beam Retrofit	Retrofit existiing substandard bridge railing with thrie beam
Bridge	Bridge CPM	623	Bridge Approach	Construct new roadway section at approach to bridge
Bridge	Bridge CSM	460	Superstructure Wash	Wash bridge deck and/or beams with high pressure water
Bridge	Bridge CSM	461	Vegetation Control	Cut brush under or adjacent to bridge

Bridge	Bridge CSM	462	Drain System Clean/Repair	Clean and/or repair deck drains and downspouts
Bridge	Bridge CSM	463	Paint-Spot	Paint isolated areas of steel beams
Bridge	Bridge CSM	464	Joint Repair	Repair existing bridge deck joints
Bridge	Bridge CSM	465	Concrete Surface Coating	Apply surface coating to bridge railing, deck fascia, concrete beams, or substructure concrete
Bridge	Bridge CSM	466	Crack Sealing	Seal individual deck cracks with crack chaser
Bridge	Bridge CSM	467	Minor Concrete Patching	Patch isolated areas of deck or substructure concrete
Bridge	Bridge CSM	468	Approach Pavement Relief Joints	Provide pressure relief joint in concrete pavement of bridge approach
Bridge	Bridge CSM	469	Slope Protection Repair	Repair slope paving or riprap
Bridge	Bridge CSM	476	Miscellaneous Bridge CSM	Bridge CSM work does not fit another work type
Bridge	Bridge CSM	479	Healer Sealer	Place healer sealer on deck surface to seal cracks
Bridge	Bridge CSM	624	Metal Mesh Panels	Place metal fencing type panels as false decking to prevent concrete falling from deck
Bridge	Bridge Miscellaneous	470	Miscellaneous Bridge	Bridge work that does not fit any other work type
Bridge	Bridge Miscellaneous	474	Bridge Removal	Remove existing bridge
Bridge	Bridge Rehabilitation	116	Substructure Repair	Repair existing pier or abutment
Bridge	Bridge Rehabilitation	117	Substructure Replacement	Replace entire pier or abutment
Bridge	Bridge Rehabilitation	135	Widen-Maintain Lanes	Widen bridge without increasing number of lanes, for example, to widen shoulders
Bridge	Bridge Rehabilitation	139	Miscellaneous Rehabilitation	Bridge rehabilitation does not fit another work type

Bridge	Bridge Rehabilitation	417	Overlay - Shallow	Place rigid concrete overlay after removing 1" thickness of existing deck surface
Bridge	Bridge Rehabilitation	424	Overlay- Deep	Place rigid concrete overlay after removing a minimum 3" of existing deck surface
Bridge	Bridge Rehabilitation	618	Bridge Barrier Railing Replace	Replace bridge railing, all or in part
Bridge	Bridge Rehabilitation	621	Superstructure Repair, Steel	Repair steel beams
Bridge	Bridge Rehabilitation	622	Superstructure Repair, Concrete	Repair concrete beams
Bridge	Bridge Rehabilitation	714	Bearing Realignment	Realignment of the bridge bearing to control movement and reduce stresses.
Bridge	Bridge Replacement	130	Deck Replacement	Replace bridge deck on existing superstructure
Bridge	Bridge Replacement	137	Superstructure Replacement	Replace bridge superstructure on existing substructure
Bridge	Bridge Replacement	221	Bridge Replacement	Replace entire bridge
Bridge	Bridge Replacement	234	Miscellaneous Replace	Replacement does not fit another work type
Bridge	Bridge Replacement	452	Culvert Replacement	Replace entire culvert
Bridge	New Structure	311	New Structure on New Route	Build new bridge on new route
Bridge	New Structure	321	New Structure on Relocated Route	Build new bridge on relocated route
Bridge	New Structure	341	New Structure on Existing Route	Construction of a new structure on an existing route
Facilities	New Facilities	242	New Non-Motorized Path	For Constructing A New Nonmotorized Path.
Facilities	Roadside Facilities- Improve	704	Bike/Pedestrian Facility	Bike/Pedestrian Facilities and Improvements
Facilities	Roadside Facilities - Preserve	190	Non-Motorized Path Rehabilitation	For Non-Motorized Path Preservation Work.
Road	Major Widening	210	Additional lane(s) over 0.5 mile long	For constructing one or more new lanes at least a half mile long, excluding turn lanes.

Road	Major Widening	213	Interchange Redesign & Upgrading	Reconstructing an existing interchange in a new configuration.
Road	Minor Widening	171	Left Turn Lane	For constructing a new left turn lane on an existing road.
Road	Minor Widening	172	Right Turn Lane	For constructing a new right turn lane on an existing road.
Road	Minor Widening	173	Additional Lane(s) less than 0.5 mile long	When constructing additional lane(s) of a half mile in length or less, excluding turn lanes.
Road	Minor Widening	174	Passing Relief Lane(s)	For construction of passing relief lane(s).
Road	Minor Widening	715	Shoulder Widening	For increasing the width of either an asphalt or concrete shoulder.
Road	New Roads	310	New Road	Construction of a new road segment
Road	New Roads	320	New Road - Relocating an Existing Route	New road construction in order to relocate an existing route
Road	New Roads	340	New Interchange on Existing Route	Construction of a new interchange on an existing route
Road	Reconstruction	160	Reconstruction	For Reconstructing An Existing Route. This Work Type Will Also Be Utilized As A Placeholder For The Highway Call For Projects Road Reconstruction Projects That Exceed \$1M In Estimated Pavement Cost And Have Not Yet Completed A Life Cycle Cost Analysis
Road	Reconstruction	163	Concrete Reconstruction	For Road Reconstruction Activities Using Concrete. This Work Type Will Also Be Utilized As A Placeholder For The Highway Call For Projects Road Concrete Pavement Reconstruction Projects That Exceed \$1M In Estimated Pavement Cost And Have Not Yet Completed A Life Cycle Cost Analysis

Road	Reconstruction	164	Asphalt Reconstruction	For Road Reconstruction Using Asphalt. This Work Type Will Also Be Utilized As A Placeholder For The Highway Call For Projects Road Asphalt Reconstruction Projects That Exceed \$1M In Estimated Pavement Cost And Have Not Yet Completed A Life Cycle Cost Analysis
Road	Reconstruction	710	Culvert Replacement - Road	i-or culvert replacements mat are less man iu on the trumaine system and less than 20' on the local system. These structures are not captured in the MiBridge application. Replacement of a drainage culvert meeting capacity and environmental requirements, and returning the pavement and/or surrounding area to its original
Road	Road Capital Preventive Maintenance	400	Multiple Course Chip Seal	The multiple application of a polymer modified asphalt emulsion with a cover aggregate.
Road	Road Capital Preventive Maintenance	401	Cape Seal	The single application of a polymer modified asphalt emulsion with a cover aggregate followed by a micro-surface.
Road	Road Capital Preventive Maintenance	402	Fog Seal	A light application of a diluted slow-setting asphalt emulsion to the surface of an aged (oxidized) pavement surface. Fog seals are low-cost and are used to restore flexibility to an existing asphalt surface. Fog seals can also be applied to a newly placed chip seal

Road	Road Capital Preventive Maintenance	403	Diamond Grinding	Diamond grinding is used to restore the surface longitudinal profile and crown of a concrete pavement that provides an improved ride quality.
Road	Road Capital Preventive Maintenance	404	Partial Depth Concrete Pavement Repair	This work type should be used for partial depth concrete repairs in areas of delamination.
Road	Road Capital Preventive Maintenance	405	Overband Crack Fill	Cleaning the crack in the asphalt pavement surface and placing the specified materials into and above the crack to substantially reduce infiltration of water and to reinforce the adjacent pavement.
Road	Road Capital Preventive Maintenance	406	Concrete Crack Sealing	Sawing or routing, cleaning and sealing of cracks in concrete pavement.
Road	Road Capital Preventive Maintenance	407	Ultra-Thin Asphalt Overlay (3/41	A dense graded asphalt mixture applied with a target application rate of 83 lbs/syd (3/4)
Road	Road Capital Preventive Maintenance	408	Milling & Asphalt Overlay (11/2 inches)	The removal of an existing asphalt surface by the cold milling method and placement of a dense graded asphalt mixture limited to a 165 lbs/syd (1.5) application rate.
Road	Road Capital Preventive Maintenance	409	Hot In-Place Asphalt Recycling	This work type should be used for hot-in-place recycling methods that heat, remove, rejuvenate and re-place the existing flexible or composite road surface.

Road	Road Capital Preventive Maintenance	410	Single Course Micro-Surfacing	The single application of a mixture of polymer modified asphalt emulsion, mineral aggregate, mineral filler, water, and other additives, properly proportioned, mixed, and placed on flexible and composite pavements.
Road	Road Capital Preventive Maintenance	411	Multiple Course Micro-Surfacing	The multiple application of a mixture of polymer modified asphalt emulsion, mineral aggregate, mineral filler, water, and other additives, properly proportioned, mixed, and placed on flexible and composite pavements.
Road	Road Capital Preventive Maintenance	412	Concrete Joint & Surface Spall Repair	when making joint repairs and/or surface spall repairs on a concrete pavement.
Road	Road Capital Preventive Maintenance	413	Dowel Bar Retrofit	Dowel bar retrofit is an operation in which slots are cut into the concrete pavement across faulted joints and cracks, and dowel bars are placed in the slots to restore the load transfer.
Road	Road Capital Preventive Maintenance	414	Paver Placed Surface Seal	A paving process that incorporates a polymer modified asphalt emulsion followed immediately by a gap-graded ultra-thin HMA surface course.

Road	Road Capital Preventive Maintenance	416	New Treatment Technology - Concrete Pavements	For new preventive maintenance technology treatments on concrete. To be used only if an existing work type code is not available. New work types should be submitted to the Systems Implementation and Monitoring Unit via the Work Type Add/Mod Form.
Road	Road Capital Preventive Maintenance	440	Single Course Chip Seal	The single application of a polymer modified asphalt emulsion with a cover aggregate.
Road	Road Capital Preventive Maintenance	441	Slurry Seal	When applying a slurry seal to an asphalt or composite pavement.
Road	Road Capital Preventive Maintenance	442	Skip Patching	This is used as an intermittent asphalt resurfacing repair
Road	Road Capital Preventive Maintenance	443	Asphalt Overlay 1=1 1/2 inches)	A dense graded asphalt mixture limited to a 165 Ibs/syd. (1.5?) application rate.
Road	Road Capital Preventive Maintenance	444	Profile Milling	For variable depth cold milling work on flexible, concrete, or composite pavements.
Road	Road Capital Preventive Maintenance	450	Full Depth Concrete Pavement Repair	Complete removal and replacement of the concrete pavement at the deteriorated joint or open crack.
Road	Road Capital Preventive Maintenance	453	Underdrain Outlet Repair & Cleaning	For underdrain outlet repairs and cleaning.

Road	Road Capital Preventive Maintenance	454	Shoulder Slurry Seal	A homogenous mixture of emulsified asphalt, water, well-graded fine aggregate and mineral filler that has a creamy fluid-like appearance when applied. Slurry seals are used to fill existing pavement surface defects as either a preparatory treatment for other maintenance
Road	Road Capital Preventive Maintenance	455	Shoulder Chip Seal	The single application of a polymer modified asphalt emulsion with a cover aggregate placed on existing paved shoulders
Road	Road Capital Preventive Maintenance	456	Asphalt Crack Treatment	Crack treatment consists of both crack sealing and crack filling. Crack sealing consists of sawing/routing the desired reservoir shape at the working crack in the existing asphalt pavement surface, cleaning the cut surfaces and placing the specified materials into the cavity to reduce the intrusion of water and incompressibles into the crack. Crack filling consists of cleaning the non-working crack in the asphalt pavement surface and placing the specified materials into and above the crack to substantially reduce infiltration of water and to reinforce the adjacent
Road	Road Capital Preventive Maintenance	457	Concrete Joints Reseal	The removal of the existing joint seals, and resealing the transverse and longitudinal joint with low-modulus hot-poured rubber.

Road	Road Capital Preventive Maintenance	459	New Treatment Technology-Flexible & Comp Pavements	For New Treatment Technology On Asphalt Or Composite Pavements That Is Not Represented By An Existing Wtc. New Wtcs Should Be Submitted To The Systems Implemenatation And Monitoring Unit Via Wtc Add/Mod Form
Road	Road Maintenance	717	Drainage Updates	Drainage improvements to address environmental or capacity deficiencies.
Road	Road Maintenance	716	Ditching	Ditch cleanout to restore ditch lines to proper grades and slopes.
Road	Road Rehabilitation	140	Two Course Asphalt Resurfacing	Resurface an existing pavement with two courses of asphalt.
Road	Road Rehabilitation	144	Thin Concrete Overlay (<=4")	For Thin Concrete Overlays Of 4" or less over a full depth flexible pavement
Road	Road Rehabilitation	145	>4 Concrete Overlay ("	For Road Resurfacing With A Concrete Overlay greater than 4" over a full. depth flexible pavement
Road	Road Rehabilitation	151	Shoulder Work	For Restoring Or Rehabing Shoulders.
Road	Road Rehabilitation	152	Culvert Rehabilitation	Culvert repair, replacement, or extension
Road	Road Rehabilitation	156	Unbonded Concrete Overlay	For overlaying existing concrete pavement with a separator layer followed by concrete pavement
Road	Road Rehabilitation	157	Asphalt Pavement Repair	Full depth (Detail 8) and/or partial depth (Detail 7) asphalt repairs are typically constructed on flexible or composite pavements prior to asphalt resurfacing of the roadway

Road	Road Rehabilitation	165	Concrete Pavement Inlay	For replacement of 50% or less of the pavement width (including shoulders).
Road	Road Rehabilitation	166	Concrete Pavement Repair	Full depth longitudinal and/or transverse joint/crack repairs.
Road	Road Rehabilitation	167	Crush & Shape & Asphalt Resurfacing	The process by which an existing asphalt surface, on a gravel base, is crushed and broken up in place and overlaid with asphalt pavement.
Road	Road Rehabilitation	168	Cold-In-Place Recycle & Asphalt Resurfacing	Cold-In-Place is a rehabilitation technique in which the existing pavement materials are reused in place. The materials are mixed in-place without the application of heat. The reclaimed asphalt pavement (RAP) material is obtained by milling, planing, or crushing the existing pavement. Virgin aggregate or recycling agent or both are added to the RAP material which is then laid and compacted and overlaid with asphalt
Road	Road Rehabilitation	169	Concrete Pavement Rubblize & Asphalt Resurfacing	Preparing, shattering and compacting the existing concrete pavement to provide a rubblized base to be overlaid with asphalt pavement
Road	Road Rehabilitation	670	Multiple Course Asphalt Overlay with ASCRL	Multiple course asphalt overlay constructed on composite pavement with an Asphalt Stabilized Crack Relief Layer (ASCRL) utilized as the base course.

Road	Road Rehabilitation	684	Milling and Two Course Asphalt Resurfacing	For cold-milling the existing asphalt surface and then Resurface the road with Two Courses of Asphalt.
Road	Road Rehabilitation	685	Three Course Asphalt Resurfacing	For Road Resurfacing with Three Courses of Asphalt.
Road	Road Rehabilitation	686	Cold Milling	Cold milling of an asphalt or concrete pavement, at a uniform depth.
Road	Road Rehabilitation	695	Drainage Improvement	Proposed work to improve drainage. Examples include re-ditching, improve/repair existing drainage features, such as curb & gutter, catch basins, or underdrains, the addition or replacement of a storm sewer system, storm water retention/detention, etc.
Road	Road Rehabilitation	696	Curb and Gutter	Constructing new or replacing existing curb and gutter for drainage, safety improvements etc.
Road	Road Rehabilitation	718	Aggregate Grade Lift & Asphalt Overlay	For overlaying existing concrete or composite pavement with an aggregate grade lift followed by asphalt pavement
Traffic Safety	Traffic Safety	101	Relocate Roadside Obstacles	When Relocating Roadside Obstacles I.E. Utilities, Roadside Facilities Etc.
Traffic Safety	Traffic Safety	102	Rumble Strips - Shoulder	For Shoulder Rumble Strip Construction
Traffic Safety	Traffic Safety		103	Intersection Geo Improvements for Signalization
Traffic Safety	Traffic Safety	105	Vertical and Horizontal Alignment Revision(s)	This Work Type Should Be Selected For Horizontal And Vertical Alignment Corrections.

Traffic Safety	Traffic Safety	110	Non-Freeway Sign Replacement	When Replacing or Installing Non-Freeway Signs
Traffic Safety	Traffic Safety	111	Pavement Marking	When Replacing Pavement Markings (Does Not Include Raised).
Traffic Safety	Traffic Safety	112	Traffic Signals	When Repairing Or Rebuilding Traffic Signals.
Traffic Safety	Traffic Safety	113	Overhead Sign Structures	When Replacing or Installing Overhead Sign Structures
Traffic Safety	Traffic Safety	114	Freeway Sign Replacement	When Replacing or Installing Freeway Signs
Traffic Safety	Traffic Safety	120	Intersection Improvements	When Performing Intersection Geometric Improvements to Improve Safety
Traffic Safety	Traffic Safety	122	Construct Median Barrier	When Constructing A Median Barrier (Includes Rigid, Semi-Rigid And Cable).
Traffic Safety	Traffic Safety	123	Guardrails & Attenuator	When Replacing or Installing Guardrails Or Impact Attenuators
Traffic Safety	Traffic Safety	126	Remove Roadside Obstacles	When Removing Roadside Safety Hazards From The Clear Zone
Traffic Safety	Traffic Safety	128	Slope Flattening	For Road Slope Flattening.
Traffic Safety	Traffic safety	687	Delineation	When Replacing or Installing Roadside Delineation
Traffic Safety	Traffic Safety	688	Pedestrian Improvements	Intersection/corridor Improvements to Address Pedestrian Safety
Traffic Safety	Traffic Safety	689	High Friction Surface	Application of High Friction Surface to Address Safety at Spot Locations
Traffic Safety	Traffic Safety	690	Rumble Strips-Centerline	For Centerline Rumble Strip Construction
Traffic Safety	Traffic Safety	691	Segment Geometric Improvements for Safety	When Performing Segment Geometric Improvements to Improve Safety
Traffic Safety	Traffic Safety	692	ADA Ramps	Constructing or upgrading a sidewalk ramp in conjunction with new construction or roadway alterations in compliance with the Americans with Disabilities Act of 1990

Traffic Safety	Traffic Safety	693	Maintaining Traffic	Maintenance of Traffic
Traffic Safety	Traffic Safety	702	Traffic Flow Improvement	Applications, policies, and strategies specific to improving traffic flows

Transit Rural Scope Codes			
Transit	Rural Scope Codes	1110	Bus Rolling Stock (vehicle purchase, vehicle lease, vehicle rehabilitation)
Transit	Rural Scope Codes	1130	Bus Stations/Stops/Terminals (facility improvements, construction, purchase, security/surveillance system for facility)
Transit	Rural Scope Codes	1140	Bus Support Equip/Facilities (computer equipment, office equipment, admin vehicle, vehicle equipment, bus cameras)
Transit	Rural Scope Codes	1160	Signal & Communication Equip – Bus (radios, other communication equipment related to buses)
Transit	Rural Scope Codes	1170	Other Capital Items (Mobility Management – non-JARC and non-New Freedom)
Transit	Rural Scope Codes	1190	Bus Associated Transit Enhancements
Transit	Rural Scope Codes	3000	Operating Assistance (Section 5311 only)
Transit	Rural Scope Codes	5500	Research projects
Transit	Rural Scope Codes	6410	Section 5310 projects (including New Freedom Mobility Management)
Transit	Rural Scope Codes	6460	Section 5311 JARC projects (operating)
Transit	Rural Scope Codes	6460	Section 5311 JARC projects (capital)
Transit	Rural Scope Codes	6470	Section 5310 New Freedom projects (operating)

Transit	Rural Scope Codes	6470	Section 5310 New Freedom project
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