Guidelines for selecting the appropriate WTC and Fix Life for Non-MAP jobs (Non JobNet jobs) in PHD

Work Type	Work Type Code (WTC)	Work Type Long Description	Fix Life (High)	Fix Life (Low)	Work Sub Category
Two-Course Asphalt Resurfacing	**140**	Resurface an existing pavement with two courses of asphalt.	**18**	**11**	Road Rehabilitation
Thin Concrete Overlay (less than or equal to 4)	**144**	For thin concrete overlays of 4 or less over a full-depth flexible pavement.	**17**	**17**	Road Rehabilitation
Concrete Overlay (greater than 4)	**145**	For road resurfacing with a concrete overlay greater than 4 over a full-depth flexible pavement.	**17**	**17**	Road Rehabilitation
Unbonded Concrete Overlay	**156**	For overlaying existing concrete pavement with a separator layer followed by concrete pavement.	**19**	**19**	Road Rehabilitation
Asphalt Pavement Repair	**157**	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.	**10**	**3**	Road Rehabilitation
Reconstruction	**160**	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 $1 million in estimated pavement cost and have not yet completed a life cycle cost analysis.	**26**	**18**	Reconstruction
Concrete Reconstruction	**163**	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 $1 million in estimated pavement cost and have not yet completed a life cycle cost analysis.	**26**	**26**	Reconstruction
Asphalt Reconstruction	**164**	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 $1 million in estimated pavement cost and have not yet completed a life cycle cost analysis.	**18**	**18**	Reconstruction
Concrete Pavement Inlay	**165**	For replacement of 50 percent or less of the pavement width (including shoulders).	**21**	**16**	Road Rehabilitation
Concrete Pavement Repair	**166**	Full-depth longitudinal and/or transverse joint/crack repairs.	**10**	**6**	Road Rehabilitation
Crush and Shape and Asphalt Resurfacing	**167**	The process by which an existing asphalt surface, on a gravel base, is crushed and broken up in place and overlaid with asphalt pavement.	**19**	**19**	Road Rehabilitation
Cold-In-Place Recycle and Asphalt Resurfacing	**168**	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 pavement.	**17**	**6**	Road Rehabilitation
Concrete Pavement Rubblize and Asphalt Resurfacing	**169**	Preparing, shattering and compacting the existing concrete pavement to provide a rubblized base to be overlaid with asphalt pavement.	**16**	**16**	Road Rehabilitation
Additional Lane(s) less than 0.5 miles long	**173**	When constructing additional lane(s) of a half-mile in length or less, excluding turn lanes.	**26**	**18**	Minor Widening
Passing Relief Lane(s)	**174**	For construction of passing relief lane(s).	**26**	**18**	Minor Widening
Additional Lane(s) longer than 0.5 miles long	**210**	For constructing one or more new lanes at least a half-mile long, excluding turn lanes.	**26**	**18**	Major Widening
Interchange Redesign and Upgrading	**213**	Reconstructing an existing interchange in a new configuration.	**26**	**18**	Major Widening
New Road	**310**	Construction of a new road segment.	**26**	**18**	New Roads
New Road - Relocating an Existing Route	**320**	New road construction in order to relocate an existing route.	**26**	**18**	New Roads
New Interchange on Existing Route	**340**	Construction of a new interchange on an existing route.	**26**	**18**	New Roads
Multiple Course Chip Seal	**400**	The multiple application of a polymer modified asphalt emulsion with a cover aggregate.	**7**	**3**	Road Capital Preventive Maintenance
Cape Seal	**401**	The single application of a polymer modified asphalt emulsion with a cover aggregate followed by a micro-surface.	**7**	**4**	Road Capital Preventive Maintenance
Fog Seal	**402**	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.	**3**	**2**	Road Capital Preventive Maintenance
Diamond Grinding	**403**	Diamond grinding is used to restore the surface longitudinal profile and crown of a concrete pavement that provides an improved ride quality.	**5**	**3**	Road Capital Preventive Maintenance
Partial Depth Concrete Pavement Repair	**404**	This work type should be used for partial-depth concrete repairs in areas of delamination.	**3**	**1**	Road Capital Preventive Maintenance
Overband Crack Fill	**405**	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.	**2**	**1**	Road Capital Preventive Maintenance
Concrete Crack Sealing	**406**	Sawing or routing, cleaning and sealing of cracks in concrete pavement.	**3**	**1**	Road Capital Preventive Maintenance
Ultra-Thin Asphalt Overlay (3/4)	**407**	A dense graded asphalt mixture applied with a target application rate of 83 pounds per square yard (3/4.).	**6**	**3**	Road Capital Preventive Maintenance
Milling & One Course Asphalt Overlay	**408**	The removal of an existing asphalt surface by the cold milling method and placement of a dense graded asphalt mixture limited to a 165 pounds per square yard (1.5.) application rate.	**10**	**4**	Road Capital Preventive Maintenance
Hot In-Place Asphalt Recycling	**409**	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.	**6**	**3**	Road Capital Preventive Maintenance
Single-Course Micro-Surfacing	**410**	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.	**5**	**3**	Road Capital Preventive Maintenance
Multiple-Course Micro-Surfacing	**411**	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.	**6**	**4**	Road Capital Preventive Maintenance
Concrete Joint and Surface Spall Repair	**412**	When making joint repairs and/or surface spall repairs on a concrete pavement.	**5**	**3**	Road Capital Preventive Maintenance
Dowel Bar Retrofit	**413**	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	**3**	**2**	Road Capital Preventive Maintenance
Paver Placed Surface Seal	**414**	A paving process that incorporates a polymer modified asphalt emulsion followed immediately by a gap-graded ultra-thin HMA surface course.	**6**	**4**	Road Capital Preventive Maintenance

Note: Select the appropriate Fix Life (in years) within the low/high range. If no information is available, select the highest (maximum) value based on the Work Type and WTC.

Guidelines for selecting the appropriate WTC and Fix Life for Non-MAP jobs (Non JobNet jobs) in PHD

Work Type	Work Type Code (WTC)	Work Type Long Description	Fix Life (High)	Fix Life (Low)	Work Sub Category
New Treatment Technology - Concrete Pavements	**416**	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.	**10**	**1**	Road Capital Preventive Maintenance
Single-Course Chip Seal	**440**	The single application of a polymer modified asphalt emulsion with a cover aggregate.	**6**	**3**	Road Capital Preventive Maintenance
Slurry Seal	**441**	When applying a slurry seal to an asphalt or composite pavement.	**3**	**2**	Road Capital Preventive Maintenance
Skip Patching	**442**	This is used as an intermittent asphalt resurfacing repair.	**6**	**3**	Road Capital Preventive Maintenance
One Course Asphalt Overlay	**443**	A dense graded asphalt mixture limited to a 165 pounds per quare yard (1.5?) application rate.	**10**	**4**	Road Capital Preventive Maintenance
Full Depth Concrete Pavement Repair	**450**	Complete removal and replacement of the concrete pavement at the deteriorated joint or open crack.	**10**	**3**	Road Capital Preventive Maintenance
Asphalt Crack Treatment	**456**	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 pavement.	**3**	**1**	Road Capital Preventive Maintenance
Concrete Joints Reseal	**457**	The removal of the existing joint seals and resealing the transverse and longitudinal joint with low-modulus hot-poured rubber.	**3**	**1**	Road Capital Preventive Maintenance
New Treatment Technology-Flexible and Composite Pavements	**459**	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.	**10**	**1**	Road Capital Preventive Maintenance
Multiple-Course Asphalt Overlay with ASCRL	**670**	Multiple-course asphalt overlay constructed on composite pavement with an asphalt stabilized crack relief layer (ASCRL) utilized as the base course.	**26**	**18**	Road Rehabilitation
Milling and Two-Course Asphalt Resurfacing	**684**	For cold-milling the existing asphalt surface and then resurface the road with two courses of asphalt.	**18**	**11**	Road Rehabilitation
Three-Course Asphalt Resurfacing	**685**	For road resurfacing with three courses of asphalt.	**18**	**11**	Road Rehabilitation
Aggregate Grade Lift and Asphalt Overlay	**718**	For overlaying existing concrete or composite pavement with an aggregate grade lift followed by asphalt pavement.	**18**	**18**	Road Rehabilitation
Asphalt Overlay Over Chip Seal	**738**	Asphalt overlay over chip seal.	**10**	**4**	Road Capital Preventive Maintenance
Asphalt Milling and Overlay over Chip Seal	**739**	Asphalt milling and overlay over chip seal.	**10**	**4**	Road Capital Preventive Maintenance

Note: Select the appropriate Fix Life (in years) within the low/high range. If no information is available, select the highest (maximum) value based on the Work Type and WTC.