

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 (<=4)	144	For Thin Concrete Overlays Of 4 or less over a full depth flexible pavement	17	17	Road Rehabilitation
Concrete Overlay (>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 \$1M 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 \$1M 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 \$1M 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% 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 & Shape & 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 & 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 & 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 mile 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) over 0.5 mile long	210	For constructing one or more new lanes at least a half mile long, excluding turn lanes.	26	18	Major Widening
Interchange Redesign & 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 lbs/syd (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 lbs/syd (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 & 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
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 lbs/syd. (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 & Comp 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 Implementation 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 & 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.