

ATTACHMENT 1: PERFORMANCE REQUIREMENTS

[MOVED TO COMA EXHIBIT 16]

ATTACHMENT 2: ELEMENTS FOR WHICH MAINTENANCE SERVICES ARE TO BE PROVIDED

Maintenance Element Category	Maintenance Element
Roadway	Pavement
	Crossovers and other paved areas
	Joints in concrete
	Curbs
Drainage	Pipes and channels
	Drainage treatment devices
	Discharge systems
Structures	Structures having an opening measured along the center of the roadway of more than 20 feet between undercopings of abutments or springlines of arches or extreme ends of openings or multiple boxes
	Structure components
	Substructures and superstructures
	Non-bridge class culverts
	Gantries
	Access points
	Mechanically stabilized earth and retaining walls
Pavement markings, object markers, barrier markers and delineators	Pavement markings
	Raised pavement markers
	Delineators and markers
	Mailbox Marker
Guardrails, safety barriers and impact attenuators	Concrete barriers
	Guardrails and safety barriers

Maintenance Element Category	Maintenance Element
	Attenuators
Traffic signs	Large guide signs
	Traffic signs
Highway Lighting	Highway lighting
Fences, walls and sound abatement	Fence
	Walls
	Sound Abatement
	Access gates
Roadside management	Vegetated areas – except landscaped areas – general
	Landscaped areas
	Fire hazards
	Trees, brush and ornamentals
	Wetlands
Pedestrian Features	Sidewalks
	ADA Ramps or features
Earthworks and cuttings	Slopes
Other	All other physical components of the Project within the maintenance limits except for the Non-Maintained Elements

ATTACHMENT 3: SCHEMATIC DESIGN ROW MAINTENANCE

[SEE ATTACHED]

ATTACHMENT 4: NOT USED

ATTACHMENT 5: NOT USED

ATTACHMENT 6: RESTRICTIONS ON LANE CLOSURES

6.1 Allowable Lane Closures

Lane Closures will only be permitted when Maintenance Contractor can demonstrate that the closure will provide clear benefit to the progress of the Maintenance Services. Closures must be coordinated with adjacent projects and priority shall be given to the closure submitted first.

The safety of workers and the traveling public must be the first consideration when determining the appropriate time to implement a lane closure.

At a minimum, Maintenance Contractor shall inform the TxDOT public information officer by 3:15 p.m. on the previous day of all road closures or major lane closures that will affect mobility so they can inform the public, Emergency Services, schools, etc. as needed.

Prior to implementing any lane closure, Maintenance Contractor shall input lane closure information into the Highway Conditions and Reporting System.

The following TxDOT policy and procedure manuals and references apply for all lane closures:

- Texas Manual of Uniform Traffic Control Devices (TMUTCD)
- TxDOT Traffic Control Plan Standards
- TxDOT Barricade and Construction Standards
- TxDOT Standard Specifications “Item 502 (Barricades Signs and Traffic Handling)

The following lane closure requirements for the mainlane, frontage roads, and cross streets are intended to supplement the above list of manuals and references for the Project:

Table 6-1: Lane Closure Requirements

Roadway	Roadway Lanes (one direction)	Permitted Lane Closures		
		Peak Times* Monday-Friday (6:00 am - 9:00 am) (3:30 pm - 7:00 pm) and Major Events and Major Holidays	Off-Peak Times* Monday-Friday (9:00 am - 3:30pm) (7:00 pm to 10:30 pm) and Saturday	Lowest Volume Times* Monday-Friday (10:30 p.m. to 6:00 a.m.) and Sunday (No mainlane closures shall be permitted on Sunday)
Frontage Roads and Cross Streets	3	None	1	2
	2	None	1	1

Roadway	Roadway Lanes (one direction)	Permitted Lane Closures		
Mainlanes and Ramps	3	None	1	1
	2	None	None	1
	1	None	None	None

Additional requirements:

- Any complete roadway closure or lane closure will require a Traffic Control Plan with appropriate detour routing to be submitted and approved by TxDOT. Any complete roadway closure will require the approval of the District Engineer. Any complete roadway closure or lane closure approved by TxDOT will not be subject to Lane Rental Charges.
- Maintenance Contractor shall seek TxDOT's approval for all required lane closures at least 48 hours in advance for temporary lane closures and fourteen (14) days for complete closures.
- If reasonable mobility can be maintained, or exceptional circumstances exist, additional lanes may be closed during Off-Peak Times or Lowest Volume Times with the express written permission of the TxDOT project manager. Off-Peak Times may be started earlier or be extended later, subject to obtaining such express written permission, if reasonable mobility can be maintained.
- If at any time backups become unreasonable, (>20 min.), Maintenance Contractor shall immediately undertake modifications to alleviate the congestion. Contingency plan of how this will occur should be in place and approved by the TxDOT Project Manager.
- Use off duty uniformed peace officers as directed by the Maintenance Contractor.
- Inclement weather should be considered when planning closures.
- Maintenance Contractor shall maintain continuous construction Work adjacent to closed traffic lanes.

6.2 Driveway Closures

Maintenance Contractor shall maintain a minimum of one driveway per business at all times. For businesses with multiple driveways, when driveway closure is necessary to progress Work, no driveway may be closed for more than three (3) consecutive days.

6.3 Detour Usage

Maintenance Contractor shall use State routes for detour routes, wherever applicable. If State routes are unavailable, Maintenance Contractor shall use local roadways, provided that Maintenance Contractor has obtained TxDOT approval and the necessary permits from the Governmental Entity having jurisdiction.

Maintenance Contractor shall provide motorists with guidance on the use of alternate routes to divert traffic around the construction, detouring around specific construction sites, and traveling

through the construction areas. This shall include the installation and maintenance of temporary regional signs. Motorist guidance to and along detour routes shall be provided, together with regional guidance.

6.4 Restricted Hours

A. Holiday Restrictions

Maintenance Contractor shall maintain existing SH 360 facility capacity, from 12:00 p.m. (noon) on the day preceeding, to 10:00 pm on the day after, the the major holidays (“Major Holidays”) set forth below. No additional lane or ramp closure that restricts or interferes with traffic shall be allowed. TxDOT has the right to lengthen, shorten, or otherwise modify these restrictions as actual traffic conditions may warrant.

- a) New Year’s Eve and New Year’s Day (December 31 through January 1)
- b) Easter Holiday Weekend (Friday through Sunday)
- c) Memorial Day Weekend (Friday through Monday)
- d) Independence Day (July 3 through July 5)
- e) Labor Day Weekend (Friday through Monday)
- f) Thanksgiving Holiday (Wednesday through Sunday)
- g) Christmas Holiday (December 23 through December 26)

B. Event Restrictions

Maintenance Contractor shall maintain existing SH 360 facility capacity for the regional events set forth below (“Major Events”). No additional lane or ramp closure that restricts or interferes with traffic shall be allowed during Major Events. TxDOT has the right to lengthen, shorten, or otherwise modify these restrictions as actual traffic conditions may warrant. TxDOT also has the right to modify the list of Major Events as they are added, rescheduled or warranted:

- a) Any events held within a ten(10) mile radius of any point along the length of the corridor with an expected attendance greater than 20,000 (restricted from three (3) hours before the start of the event to two (2) hours after the end of the event); and
- b) Major retail traffic generators (i.e. malls) within one (1) mile radius (Thanksgiving Day through January 2).



ATTACHMENT 7 : MAINTENANCE PLANNING ACTIVITIES & ASSOCIATED FUNC. CODES

DISTRICT CROSS REFERENCE CODE CHART 12 (FIMS SEGMENT 78, AND PORTIONS OF 70, 71 AND 72)

All segment 78 functions are trackable

Effective September, 2012 (Rev Date: July, 2011)																
110	P03	CY	Removal and Replacement Removal of base and/or subgrade materials from distressed or failed areas and replacement with suitable materials. (Includes resurfacing.)	522	R0	MI	Street Sweeping Routine street sweeping. Units are the actual miles swept regardless of centerline miles.	593	T04	LF	Cable Median Barrier Installation and maintenance of high tension cable median barrier systems, including the cable, posts and end treatments.	733	T03	EA	Vandalized Signs Replacement or repair of signs damaged by vandalism.	
120	P03	CY	In Place Repair In place repair base and/or subgrade material. (Includes resurfacing, and may or may not include additional stabilizing material.)	523	R1	MI	Debris Routine patrolling to remove and dispose of debris, including dead animals.	594	T04	LF	Concrete Barrier Installation, removal and maintenance of concrete barriers, including attached headlight barrier fence.	738	T11	EA	Installation and Maintenance of Flashing Beacons Installation and maintenance of overhead flashing beacons, pedestal or sign mounted flashing beacons, etc.	
135	R05	EA-LF	Install and/or Maintain Underdrains Installation, repair and maintenance of all types of underdrains.	524	R0	AC	Spot Litter Spot removal and disposal of litter, including dead animals, from the right of way.	595	T04	LF	Guard Fence Installation and maintenance of guard fence, MBGF, turn down ends, headlights barrier fence, including posts, metal beams, etc. (End treatment other than turn down ends, see function 596.)	742	T07	EA	illumination Installation, maintenance and operation of illumination systems, including continuous lighting, safety lighting and sign illumination.	
145	S06	SY	Unpaved Road Maintenance Repair of gravel or dirt roads, including blading, addition of base, etc.	525	R0	HRS	Adopt-A-Highway Installation of posts and signs, materials furnished to groups, and the personnel and equipment used to assist in removal and disposal of collected litter.	596	T05	EA	Guardrail End Treatment Systems Installation and maintenance of guardrail end treatment systems. (For attenuators other than GETS, see function 725.)	743	T06	EA	Installation and Maintenance of Isolated Traffic Signals Maintenance and operation of isolated traffic signals, diamond interchange signals, etc.	
211	P01	SY	Leveling or Overlay with Laydown Machine The application of asphaltic tack coat and placing of asphaltic concrete materials to improve the ride qualities or level up low spots.	526	R0	SY	Deleted replaced by 522 Hand Sweeping Hand sweeping of riprap, islands, medians, curb & gutter, bullpens, driveways, etc.	597	T03	EA	Mailboxes, Installation and Maintenance Installation, removal, maintenance and inspection of portable mailboxes.	744	T08	CL	Replaced by Function Code 743 Traffic Management System Maintenance and operation of traffic management systems on freeways or non-freeways, entrance/exit ramps, motorist information (e.g. changeable message signs, highway advisory radio, etc.) surveillance and related communications equipment. (ITS Control Center personnel should charge to segment 70, detail 0570.)	
212	P01	SY	Leveling or Overlay with a Maintainer The application of asphaltic tack coat and placing layers of asphaltic concrete material.	527	R0	SY	Removal of Graffiti Removal of graffiti from fixtures, wing walls, bridge structures, etc. Not to be used in lieu of function 733 (Vandalized Signs), 731 or 732 (Sign Installation).	598	S06	HRS	Boat Ramp Maintenance Work performed in maintaining boat ramps, including mowing, litter removal, emptying litter barrels, maintenance of paved and unpaved areas, etc.	750	T09	EA	Installation and Removal of Pavement Markers Installation and/or removal of traffic buttons or reflective pavement markers.	
213	P01	SY	Leveling by Hand The application of asphaltic tack coat and placing layers of asphaltic concrete material by hand. This includes repair of pavement areas greater than one square foot in length.	530	S10	SF	Rest Area Facility Maintenance through Regional Contracts (Maintenance Division Use Only)	610	S04	HRS	Bridge, Movable Span Operation, routine maintenance and inspection of movable span bridges (swing bridge, lift or turn). Restricted use: Beaumont, Houston, Pharr and Yoakum Districts only.	790	S07	HR	Miscellaneous Traffic Services All traffic surveys (including all motor vehicle and pedestrian counts at intersections and directly related locations) and other traffic services not covered elsewhere.	
214	P01	SY	Leveling or Overlay with Drag Box The application of asphaltic tack coat and placing layers of asphaltic concrete material.	531	S06	HRS	Picnic Area Maintenance (Without Restrooms) Refer to function 532 for description.	611	S04	HRS	Bridge, Portable Installation, removal, maintenance and inspection of portable bridges.	799	S07	HR	Replaced by Function Code 799 Accident Flag selected Replaced by Function Code 799 Disaster Project/Task number Replaced by Function Code 523 Disaster Project/Task number Snow and Ice Response Emergency response to clear roads during or after a snow/ice event. Includes sanding, deicing, cleaning and removal, etc.	
225	P06	LM	Sealing Cracks Cleaning, filling and sealing cracks in the pavement using asphaltic rubber or other sealants.	532	S06	HRS	Rest Area Facility Maintenance through Regional Contracts (Maintenance Division Use Only)	620	S05	CY	Bridge Channel Maintenance Removal of silt and drift, filling eroded areas, channel maintenance (including easements) and maintenance and repair of jetties and dikes.	806			Replaced by Function Code 799 Accident Flag selected Replaced by Function Code 799 Disaster Project/Task number Replaced by Function Code 523 Disaster Project/Task number Snow and Ice Response Emergency response to clear roads during or after a snow/ice event. Includes sanding, deicing, cleaning and removal, etc.	
231	P05	SY	Seal Coat Application of a single layer of asphaltic material followed by the application of a single layer of aggregate over the full width of the lane or a shoulder (greater than 6' in width) for a minimum of 1000 continuous feet.	533	S06	HRS	Maintenance of Specialty Facilities All maintenance costs to specialty facilities including border safety inspection facilities (BSIFs), toll booths, service plazas, fencing and associated appurtenances. This includes both temp and perm facilities. The highway class code will determine the type of facility.	628	S02	LF	Bridge Rail Maintenance of bridge rail, posts & post connections to deck, including painting.	807			Replaced by Function Code 799 Accident Flag selected Replaced by Function Code 799 Disaster Project/Task number Replaced by Function Code 523 Disaster Project/Task number Snow and Ice Response Emergency response to clear roads during or after a snow/ice event. Includes sanding, deicing, cleaning and removal, etc.	
232	P04	SY	Strip or Spot Seal Coat Application of a single layer of asphaltic material followed by the application of a single layer of aggregate over areas less than the full width of the lane or shoulder (6' or less in width), or the full width of the lane or shoulder but less than 1000 feet in length.	538	R0	AC	Pest Control Activities related to use of predatory animal and insect control whether in turf and ornamental sites or on the ROW.	645	S02	LF	Bridge Joint Maintenance Repair of bridge joints, including cleaning and sealing	809			Replaced by Function Code 799 Accident Flag selected Replaced by Function Code 799 Disaster Project/Task number Replaced by Function Code 523 Disaster Project/Task number Snow and Ice Response Emergency response to clear roads during or after a snow/ice event. Includes sanding, deicing, cleaning and removal, etc.	
233	P04	SY	Fog Seal Retain aggregate, enliven surface and/or seal hairline cracks by the application of a thin layer of asphaltic material.	540	R0	HRS	Hand Vegetation Control Hand clearing vegetation out of islands, medians, riprap, drainage channels, etc. by chemical, manual or mechanical means.	646	S02	LF	Bridge Joint Replacement Replacement of bridge joints	811	S07	HR	Emergency response to clear roads during or after a snow/ice event. Includes sanding, deicing, cleaning and removal, etc.	
235	P04	SY	Microsurfacing The application of a polymer modified high performance emulsion coupled with fine graded aggregate, mineral fillers and special additives in a slurry, to full ruts or to a new wearing surface. (Caution: Should not be used to seal cracked pavements.)	541	R0	AC	Chemical Vegetation Control, Edges Complete control of vegetation encroaching in pavement edges, shoulders, medians, islands and curbs with herbicides.	660	S01	SF	Bridge Superstructure, Concrete Routine maintenance of the concrete components of the bridge superstructure, including bearings, concrete diaphragms, and beams.	814			Replaced by Function Code 110, 120 Disaster Project/Task number Deleted Replaced by Function Code 110, 120 Disaster Project/Task number Replaced by Function Code 360 Disaster Project/Task number Replaced by Function Code 211, 212, 213, 214 Replaced by Function Code 231, 232 Disaster Project/Task number Replaced by Function Code 560, 561, 562, 563 Appropriate Bridge, Disaster Project/Task number	
241	P09	EA	Pothole Repair The repair of holes with an area of less than or equal to one square yard. Charge to Function 213 if greater than one square yard.	542	R0	AC	Chemical Vegetation Control, Overspray Control of undesirable vegetation growth by overspraying wide areas of the right of way including fixtures (i.e. signs, delineators, quadrants, culverts, etc.) with herbicides.	665	S01	SF	Bridge Superstructure, Steel Routine maintenance of the steel components of the bridge superstructure, including steel diaphragms and beams.	821			Replaced by Function Code 110, 120 Disaster Project/Task number Replaced by Function Code 360 Disaster Project/Task number Replaced by Function Code 211, 212, 213, 214 Replaced by Function Code 231, 232 Disaster Project/Task number Replaced by Function Code 560, 561, 562, 563 Appropriate Bridge, Disaster Project/Task number	
242	P10	SY	Adding or Widening Pavement Widening travel lanes up to 2 feet, adding shoulders up to 4 feet to correct a maintenance problem (includes sub-grade, base & surfacing), or adding turn lanes to improve safety.	544	R0	AC	Chemical Vegetation Control, Rope-wick Control of tall vegetation (i.e. Johnsongrass) in the right of way with a wick applicator.	670	S03	SF	Bridge Substructure, Concrete Routine maintenance of the concrete components of the bridge substructure, including caps, columns, abutments, wingwalls, pilings, etc.	822			Replaced by Function Code 743; Disaster or Damage Claim Project/Task number Replaced by Function Code 721, 731, 732; Disaster or Damage Claim Project/Task number Replaced by Function Code 742; Disaster or Damage Claim Project/Task number Hazardous Material Clean up, Spills or Leaking Storage Tanks Investigations, testing, clean up, removal, disposal and restoration work associated with a spill or leaking storage tanks.	
245	P10	SY	Adding or Widening Pavement Widening travel lanes up to 2 feet, adding shoulders up to 4 feet to correct a maintenance problem (includes sub-grade, base & surfacing), or adding turn lanes to improve safety.	545	R0	HRS	Chemical Vegetation Control, Basal Application Control of undesirable brush species in the right of way with a low volume basal bark application.	675	S03	SF	Bridge Substructure, Steel and Timber Routine maintenance of the steel or timber components of the bridge substructure, including caps, abutments, pile extensions, etc.	826			Replaced by Function Code 743; Disaster or Damage Claim Project/Task number Replaced by Function Code 721, 731, 732; Disaster or Damage Claim Project/Task number Replaced by Function Code 742; Disaster or Damage Claim Project/Task number Hazardous Material Clean up, Spills or Leaking Storage Tanks Investigations, testing, clean up, removal, disposal and restoration work associated with a spill or leaking storage tanks.	
252	P02	SY	Milling and Planing The removal of pavement surface by milling or planing.	548	R0	SY	Seeding, Sodding, Hydromulching and Blanketing Seeding, sodding, hydromulching and/or placing soil retention blankets.	680	S03	SF	Bridge Painting Cleaning and painting of superstructure or substructure.	827			Replaced by Function Code 742; Disaster or Damage Claim Project/Task number Hazardous Material Clean up, Spills or Leaking Storage Tanks Investigations, testing, clean up, removal, disposal and restoration work associated with abandoned hazardous materials of unknown ownership.	
253	P02	SY	Spot Milling The removal of pavement surface by milling using a small milling machine (4 feet or less drum width).	551	R0	AC	Landscaping The installation or maintenance of landscape plantings and their facilities including planter walls, borders, sprinkler systems, etc. (excluding picnic and rest areas).	680	S04	HRS	Bridge, Mechanical and Electrical Maintenance and repair of the electrical & mechanical components of a bridge.	828			Replaced by Function Code 742; Disaster or Damage Claim Project/Task number Hazardous Material Clean up, Spills or Leaking Storage Tanks Investigations, testing, clean up, removal, disposal and restoration work associated with a spill or leaking storage tanks.	
265	P04	SY	Treat Bleeding Pavement Treatment of excess asphalt on the pavement surface.	552	R0	CL	Tree and Brush Control The trimming, pruning and disposal of shrubs, vines, and trees (excluding picnic and rest areas).	690	S04	HRS	Fender Systems Installation and maintenance of fender systems.	830	R1	HR	Hazardous Material Clean up, Spills or Leaking Storage Tanks Investigations, testing, clean up, removal, disposal and restoration work associated with a spill or leaking storage tanks.	
270	P07	LF	Edge Repair Repair of raveled, low or damaged pavement edges with asphaltic materials.	558	R0	LF	Storm Water Pollution Protection Maintenance or installation of storm water pollution protection plan (SW3P) in accordance with EPA regulations on projects designated by area engineers.	695	S04	HRS	Fender Systems Installation and maintenance of fender systems.	831	R1	HR	Hazardous Material Clean up, Spills or Leaking Storage Tanks Investigations, testing, clean up, removal, disposal and restoration work associated with a spill or leaking storage tanks.	
315	P08	SY	Slab Stabilization / Jacking Leveling concrete pavement through the use of hydraulically placed material.	560	R06	SY	Riprap Installation and Maintenance Installation and maintenance of ditch liners, retards, down drains, riprap, flumes, concrete mowing strips, gabions, retaining walls and other erosion protection.	711	T01	LF	Paint and Bead Striping Striping or re-striping lane lines, centerlines and edge lines using paint and beads.	Segment 70 Detail 08XX (XX = Office No.); not reasonably identifiable to a roadway Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead				
325	P06	LF	Cleaning and Sealing Joints and Cracks Cleaning, filling and sealing joints and cracks in concrete pavement.	561	R04	CY	Ditch Maintenance Removal and hauling of silt, drift, and/or filling eroded areas. Not to be used for work at culverts or bridges (see functions 570 or 620).	712	T02	LF	High Performance Striping Striping or re-striping lane lines, centerlines and edge lines using thermoplastic or other high performance materials.	400			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
330	P08	SY	Blowouts and Stress Relief Repair of blowouts and cutting pavement for stress relief.	562	R04	LF	Reshaping Ditches Reshaping ditches using maintainer and/or gradall, etc. Not to be used for work at culverts or bridges (see functions 570 or 620).	715	T02	LF	Removal of Pavement Striping Use when striping is not going to be replaced.	401			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
345	P08	SY	Repair Sealing Clean and repair spalled areas (not full depth of concrete slab).	563	R06	SY	Slope Repair/Stabilization Slope repair and/or stabilization. Not to be used for work at culverts or bridges (see functions 570 or 620).	716	S11	LM	Performance Based Contract Distribution (Contract Payments ONLY) These contracts are set up to pay the contractor a fixed price on a periodic basis of type of work performed and/or amount of work performed	402			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
360	P08	SY	Full Depth Removal and Replacement The removal and replacement of failed areas for the full depth of the concrete slab.	570	R0	EA	Culvert and Storm Drain Maintenance The installation, repair and maintenance of culverts up to bridge classification (twenty feet measured along centerline of roadway). This work includes silt and debris removal from inlet, storm drains, retention ponds and culverts (except those costs associated with function 571).	721	T03	EA	Delineators Installation, maintenance and/or replacement of damaged or missing reflectors and/or posts. This function shall include straightening of posts. Measured by each post and each reflector replaced.	403			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
455	P07	LF SY	Reshaping Unpaved Shoulders Restore sod or flexible base shoulders to original sections. Includes reshaping front slope to eliminate low pavement edges along a paved shoulder.	571	R0	EA	Storm Water Pump Station Maintenance Repair and maintenance of motors, pumps, generators, wet wells, dry wells, debris screening baskets, buildings, etc., including costs of utility services.	724	T04	LF	Roadway Access Control Installation and maintenance of barriers (other than those covered by functions 594 or 595) designed to control access on highways, including post and cable fences, ROW fences and cattle guards.	404			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
480	S08	SY	Side Road Approaches, Crossovers and Turnouts The installation or maintenance of side road approaches, crossovers, historical markers, mailbox and litter barrel turnouts, etc.	580	T03	EA	Removal of Illegal Signs on ROW, TEMP (Temporary, no special handling required.) Removal of illegal signs on right of way, including disposal and written notice to owners.	725	T05	EA	Vehicle Attenuators Installation and maintenance of vehicle attenuators, crash cushions, etc. (Excludes the end treatment devices on guard fence.)	405			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
488	S08	SY	Concrete Appearance Installation and Maintenance The maintenance, installation, or removal of concrete appurtenances which include curbs and/or gutters, raised medians, sidewalks and sound barriers.	581	T03	EA	Removal of Illegal Signs on ROW, PERM (Permanent, special handling required.) Removal of illegal signs on right of way, including disposal and written notice to owners.	731	T03	EA	Installation/Maintenance of Small Signs The installation and maintenance of signs (less than 4 ft. X 4 ft.). Includes the installation of a new sign on an existing post, the installation of a new sign on an existing post, removing or straightening of signs and posts. Not to be used in lieu of function 732 (Installation of Large Signs), function 733 (Vandalized Signs), or function 525 (Adopt-A-Highway). Measured by each post and each sign maintained.	406			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
495	S06	SY	Parking Area Maintenance Repair of sub-grade, base or surface of areas including parking lots, park and ride lots and camping pads.	582	S10	HRS	Removal of Encroachments, Other than Signs Removal of illegal encroachments (other than signs) on the ROW, including disposal and written notice to owners.	732	T10	EA	Installation/Maintenance of Large Signs The installation or maintenance of signs (equal to or greater than 4 ft. X 4 ft.) Includes the installation of a new sign on an existing post, the installation of a new sign on an existing post, removing or straightening of signs and posts. Not to be used in lieu of function 731 (Installation of Small Signs), function 733 (Vandalized Signs), or function 525 (Adopt-A-Highway).	407			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
511	R02	AC	Mowing Mowing of the right of way.	585	S08	SY	Driveway Installation/Removal and Maintenance See access management policy.	732	T10	EA	Installation/Maintenance of Large Signs The installation or maintenance of signs (equal to or greater than 4 ft. X 4 ft.) Includes the installation of a new sign on an existing post, the installation of a new sign on an existing post, removing or straightening of signs and posts. Not to be used in lieu of function 731 (Installation of Small Signs), function 733 (Vandalized Signs), or function 525 (Adopt-A-Highway).	408			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
513	R02	HRS	Spot Mowing Spot mowing of the right of way.	591	S09	HRS	Utilities and Driveway Inspection See access management policy.	732	T10	EA	Installation/Maintenance of Large Signs The installation or maintenance of signs (equal to or greater than 4 ft. X 4 ft.) Includes the installation of a new sign on an existing post, the installation of a new sign on an existing post, removing or straightening of signs and posts. Not to be used in lieu of function 731 (Installation of Small Signs), function 733 (Vandalized Signs), or function 525 (Adopt-A-Highway).	408			Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead	
520	R10	CY	Illegal Dumpsite Removal and Disposal Removal and disposal of debris discarded or deposited in an unauthorized area in the right of way such as under a bridge, overpass, culvert, etc.									Segment 71 Detail 1305, function 020; field inspections not identifiable to a roadway, including damage assessments, night inspections, permit inspections, bridge inspections Detail 1310, function 020; special services not identifiable to a roadway, including cleaning stockpile locations, collecting ditch grade data, and counting loads of RAP for county assistance. Detail 1315, function 020; Courtesy Patrol				Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead
521	R03	AC	Litter Removal and disposal of litter from the entire right of way, excluding paved areas, picnic and rest areas.									Segment 72 Detail 000470001; off-system assistance that has been approved by the Disaster District Chairman				Training (informal or on-the-job training) Meetings (non-coded meetings; Safety Banquets) Yard Maintenance and Inspections (maintenance/inspections to facilities or yard) Office/Section Administration (pick up/purchase supplies, HR admin., office tech duties) Section Support (customer support, contractor support, damage claims) Section Management (checking on crews, supervisor admin, meeting with local govts.) Material Management (inventory maint, material deliveries from WH to yard, hauling) Standby Time (weekend and weekday) General Overhead
	P01		Pavement Leveling				R01 Sweeping				S01 Bridge Superstructure Maintenance				T01 Paint and Bead Striping	
	P02		Milling				R02 Mowing				S02 Bridge Rail and Joints				T02 High Performance Striping	
	P03		Base Repair				R03 Litter Control				S03 Bridge Substructure Maintenance				T03 Sign Maintenance	
	P04		Spot Seal Coat				R04 Drainage Maintenance				S04 Specialty Bridge Maintenance				T04 Safety Barrier Maintenance	
	P05		Full Width Seal Coat				R05 Drainage Structures				S05 Bridge Channel Maintenance				T05 Crash Attenuators	
	P06		Crack Seal				R06 Erosion Control				S06 Specialty Maintenance				T06 Traffic Signal Maintenance	
	P07		Edge Maintenance				R07 Vegetation and Pest Control				S07 Traffic Control Services				T07 Illumination Maintenance	
	P08		Concrete Pavement Maintenance				R08 Tree and Brush Control				S08 County Road Approaches, Crossovers, & Turnouts				T08 Traffic Management Systems	
	P09		Pothole Repair				R09 Landscape Maintenance				S09 Utility & Driveway Inspection				T09 Raised Pavement Markings	
	P10		Adding or Widening Pavement				R10 Debris and Cleanup				S10 Graffiti & Encroachment Removal				T10 Large Sign Maintenance	
															T11 Beacon Maintenance	