



Public Works Department

Maintenance Services

Service Classification

| Task # | Maintenance Family | Description of Labor, Equipment, Materials, Planning, & Supervision | Estimated Frequencies / Cycles: Daily, Weekly, Monthly, Annually | Number of Frequencies / Cycles Requested (Est. hours/year) | City of Chula Vista Estimated Cost per Frequency (Per Hour / Per 9 Hour Day) | | | City of Chula Vista Estimate | | |
|--------|--------------------|---|--|--|--|-----------|---------------|------------------------------|--------------|--------------|
| | | | | | Labor | Equipment | Materials | Year 1 | Year 2 | Year 3 |
| 1A | Striping | Work performed on pavement delineation for the purpose of restoring to full service of the existing patterns. | Every two years, or as needed | 18 hrs/year | \$425.09 (5 person crew per hour) | \$ 75.88 | \$ 2,146.25 | \$ 11,163.71 | \$ 11,721.90 | \$ 12,307.99 |
| 1B | Markings/ Legends | Work performed on pavement markings for the purpose of restoring to full service of the existing markings. | Every two years, or as needed | 18 hrs/year | \$425.09 (5 person crew per hour) | \$ 24.25 | \$ 486.00 | \$ 8,574.12 | \$ 9,002.83 | \$ 9,452.97 |
| 1C | Signs | Work performed on signs for the purpose of restoring to full service of the sign and message. | Hourly Cost (As Needed) | 9 hrs/year | \$318.54 (5 person crew per hour) | \$ 16.54 | \$ 150.00 | \$ 3,165.72 | \$ 3,324.01 | \$ 3,490.21 |
| 2A | Roadway (Graffiti) | Control of Graffiti on and off of the traveled way. Includes cleaning or painting of signs, soundwalls, equipment cabinets, bridge, etc. (Excludes transit station areas that are maintained by MTS.) | Hourly Cost (As Needed) | 104 hrs/year (2 hours per day, once a week) | \$252.09 (3 person crew per hour) | \$ 16.54 | \$ 11.75 | \$ 29,159.52 | \$ 30,617.50 | \$ 32,148.37 |
| 2B | Roadway | Road Patrol Area/Inspection. Routine inspection, investigate complaints, and removal of debris/animal carcasses from roadway. | Weekly | 52 hrs/year | \$106.56 (1 person per hour) | \$ 8.50 | \$ - | \$ 5,983.12 | \$ 6,282.28 | \$ 6,596.39 |
| 2C | Roadway | Asphalt preservation within the guideway. Including but not limited to potholing, curb restoration, pavement resurfacing, litter and debris removal, and weed control. | Hourly Cost (As Needed) | 104 hrs/year (1 hour per day, 2 times per week) | \$360.13 (4 person crew per hour) | \$ 19.96 | \$80 (2 tons) | \$ 43,689.36 | \$ 45,873.83 | \$ 48,167.52 |
| 2D | Roadway | Street Sweeping. Routine sweeping of litter and debris along guideway. Includes sweeping of waste paper, discarded bottles, cans, dirt and other small materials. | Night Sweeping Twice Weekly (4 hour minimum) | 208 hrs/year (4 hours per day, once a week) | \$94.31 (1 person per hour) | \$ 51.30 | \$ - | \$ 30,286.88 | \$ 31,801.22 | \$ 33,391.29 |
| 2E | Roadway | Accident Response. | Hourly Cost (As Needed) (2 hour minimum) | As Needed | \$252.09 (3 person crew per hour) | \$ 8.50 | \$ - | \$ 521.18 | \$ 547.24 | \$ 574.60 |
| 3A | Landscaping | Traffic control in accordance with the Joint Use Maintenance Agreement and MUTCD. | Hourly Cost (As Needed) | As Needed | \$252.09 (3 person crew per hour) | \$ 16.54 | \$ - | \$ 2,417.67 | \$ 2,538.55 | \$ 2,665.48 |
| 4A | Storm Drain | Modular Wetland Systems: Inspections and cleaning. | 36 devices, 4 annual inspections, 2 annual cleanings | 72 hrs/year | \$162.04 (2 person crew per hour) | \$ 23.22 | \$ - | \$ 13,338.72 | \$ 14,005.66 | \$ 14,705.94 |

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|--------|--------------------|--|--|--|--|-----------|-----------|------------------------------|--------------|--------------|
| | | | | | Labor | Equipment | Materials | Year 1 | Year 2 | Year 3 |
| 4B | Storm Drain | CDS Units: Inspections and cleaning. | 8 devices, 4 annual inspections, 2 annual cleanings | 36 hrs/year | \$162.04 (2 person crew per hour) | \$ 23.22 | \$ - | \$ 6,669.36 | \$ 7,002.83 | \$ 7,352.97 |
| 4C | Storm Drain | Underground Retention Box: inspections and cleaning. | 3 devices, 2 annual inspections, 1 cleaning per year | 18 hrs/year | \$162.04 (2 person crew per hour) | \$ 23.22 | \$ - | \$ 3,334.68 | \$ 3,501.41 | \$ 3,676.48 |
| 4D | Storm Drain | Bioretention Areas: General Maintenance and Inspection. Inlet structures, side slopes, or other features damaged, significant erosion, burrows, emergence of trees or woody vegetation, graffiti, or vandalism, fence damage, etc. | Hourly Cost. 1 day per month. 58,380 Sq. Ft. | 108 hrs/year (9 hours per month) | \$430.63 (5 person crew per hour) | \$ 31.26 | \$ - | \$ 49,884.12 | \$ 52,378.33 | \$ 54,997.24 |
| 4E | Storm Drain | Bioretention Areas: Vegetation Management. Cut vegetation to an average height of 6-inches and remove trimmings. Remove any trees, or woody vegetation, and ensure maintenance and irrigation of landscaping. | Hourly Cost. 1 day per month. 58,380 Sq. Ft. | *Cost included in task 4D | | | | | | |
| 4F | Storm Drain | Bioretention Areas: Soil Repair. Inspect for evidence of erosion. Reseed/revegetate barren spots for any erosion and prior to wet season. | Hourly Cost. 1 day per month. 58,380 Sq. Ft. | *Cost included in task 4D | | | | | | |
| 4G | Storm Drain | Bioretention Areas: Standing Water. Drain facility for standing water for more than 96 hours after a target storm event. | Hourly Cost. 1 day per month. 58,380 Sq. Ft. | *Cost included in task 4D | | | | | | |
| 4H | Storm Drain | Bioretention Areas: Trash and Debris. Remove and dispose of trash and debris. | Hourly Cost (As Needed) | 52 hrs/year | \$106.56 (1 person per hour) | \$ 8.50 | \$ - | \$ 5,983.12 | \$ 6,282.28 | \$ 6,596.39 |
| 4I | Storm Drain | Bioretention Areas: Sediment Management. Remove and properly dispose of sediment. Regrade if necessary. | Annually, prior to start of wet season | 18 hrs/year | \$430.63 (5 person crew per hour) | \$ 31.26 | \$ - | \$ 8,314.02 | \$ 8,729.72 | \$ 9,166.21 |
| 4J | Storm Drain | Bioretention Areas: Underdrains. Inspect and maintain underdrains for clogging. | Annually, prior to start of wet season. | *Cost included in task 4I | | | | | | |
| 4K | Storm Drain | Modular Underground Retention Tanks: Inspections and cleaning. | 4 devices, 2 annual inspections, 1 annual cleaning | 18 hrs/year | \$162.04 (2 person crew per hour) | \$ 23.22 | \$ - | \$ 3,334.68 | \$ 3,501.41 | \$ 3,676.48 |
| 4L | Storm Drain | Inlet Filters: Inspections and cleaning. | 76 devices, 7 annual inspections, 4 annual cleanings | 252 hrs/year | \$162.04 (2 person crew per hour) | \$ 23.22 | \$ - | \$ 46,685.52 | \$ 49,019.80 | \$ 51,470.79 |
| 4M | Storm Drain | Underground Infiltration Units: Inspections and cleaning. | 10 devices, 2 annual inspections, 1 annual cleaning | 18 hrs/year | \$162.04 (2 person crew per hour) | \$ 23.22 | \$ - | \$ 3,334.68 | \$ 3,501.41 | \$ 3,676.48 |
| 4N | Storm Drain | Underground Detention Vault: Inspections and cleaning. | 14 devices, 2 annual inspections, 1 annual cleaning | 18 hrs/year | \$162.04 (2 person crew per hour) | \$ 23.22 | \$ - | \$ 3,334.68 | \$ 3,501.41 | \$ 3,676.48 |

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| | | | | | Labor | Equipment | Materials | Year 1 | Year 2 | Year 3 |
| 5A | NPDES | Regulatory reporting. Annual maintenance verification for MS4 Permit Compliance. | Annual verification of maintenance for each segment | 18 hrs/year | \$116.72 (1 person per hour) | \$ - | \$ - | \$ 2,082.96 | \$ 2,187.11 | \$ 2,296.46 |

| Year 1 | Year 2 | Year 3 |
|---------------|---------------|---------------|
| \$ 281,257.82 | \$ 295,320.71 | \$ 310,086.75 |

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