

PART 1 - GENERAL

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| <u>1.1 SECTION INCLUDES</u>                    | .1 | Methods for removal of existing asphalt pavement.  |
| <u>1.2 RELATED REQUIREMENTS</u>                | .1 | Section 02 41 13 - Selective Site Demolition.  |
| <u>1.3 REFERENCES</u>                          | .1 | U.S. Environmental Protection Agency (EPA) / Office of Water<br>.1 EPA 832/R-92-005, Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices.  |
| <u>1.4 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Sustainable Design Submittals:<br>.1 Erosion and Sedimentation Control: submit copy of erosion and sedimentation control plan in accordance authorities having jurisdiction.<br>.2 Construction Waste Management:<br>.1 Submit project Waste Management Plan Waste Reduction Workplan highlighting recycling and salvage requirements.<br>.2 Submit calculations on end-of-project recycling rates, salvage rates, and landfill rates demonstrating that 50% of construction wastes were recycled or salvaged. |

PART 2 - PRODUCTS

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| <u>2.1 EQUIPMENT</u> | .1 | Use cold milling, planning or grinding equipment with automatic grade controls capable of operating from stringline, and capable of removing part of pavement surface to depths or grades indicated. |
|                      | .2 | Where full depth removal is required, all edges shall be saw cut.  |
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### PART 3 - EXECUTION

#### 3.1 PREPARATION

- .1 Temporary Erosion and Sedimentation Control:
  - .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to requirements of authorities having jurisdiction sediment and erosion control drawings, whichever is more stringent.
  - .2 Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
  - .3 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- .2 Prior to beginning removal operation, inspect and verify with Departmental Representative areas, depths and lines of asphalt pavement to be removed.
- .3 Protection: protect existing pavement not designated for removal, light units and structures from damage. In event of damage, immediately replace or make repairs to approval of Departmental Representative at no additional cost.

#### 3.2 REMOVAL

- .1 Remove existing asphalt pavement to lines and grades as indicated established by Departmental Representative in field.
  - .2 Use equipment and methods of removal and hauling which do not damage or disturb underlying pavement.
  - .3 Prevent contamination of removed asphalt pavement by topsoil, underlying gravel or other materials.
  - .4 Suppress dust generated by removal process.
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<u>3.3 FINISH TOLERANCES</u>	.1	Finished surfaces in areas where asphalt pavement has been removed to be within +/-5 mm of grade specified but not uniformly high or low.
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<u>3.4 CLEANING</u>	.1	Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning. .1 Leave Work area clean at end of each day.
	.2	Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
	.3	Sweep remaining asphalt pavement surfaces clean of debris resulting from removal operations using rotary power brooms and hand brooming as required.
	.4	Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal. .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility. .2 Removed asphalt pavement which is to be recycled in hot mix asphalt concrete under this contract may be stockpiled at designated asphalt plant site.

PART 1 - GENERAL

- 1.1 RELATED REQUIREMENTS
- .1 Section 01 35 43 - Environmental Procedures.
  - .2 Section 01 55 26 - Traffic Regulation.
  - .3 Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

- 1.2 DESCRIPTION
- .1 This section specifies requirements for demolishing and removing wholly or in part various items designated to be removed or partially removed.
  - .2 Demolition and removal will consist of, but not necessarily be limited to, the following:
    - .1 Remove existing bridge structure, including but not limited to Abutment structures, wingwalls, existing foundations above grade, bridge railings and posts, expansion joints.
    - .2 Remove existing signage as indicated.
    - .3 Remove excess fill materials.

- 1.3 PROTECTION
- .1 Protect existing objects designated to remain. In event of damage, immediately replace or make repairs to approval of, and at no additional cost to, Departmental Representative.

PART 2 - PRODUCTS

- 2.1 NOT USED
- .1 Not used.

PART 3 - EXECUTION

- 3.1 EXECUTION
- .1 Inspect site and verify with Departmental Representative objects designated for removal.

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| <u>3.2 REMOVAL</u>              | .1 | Remove in their entirety all materials and objects specified for removal.   |
|                                 | .2 | Do not disturb adjacent work designated to remain in place.   |
| <br>                            |    |   |
| 3.3 SAFETY CODE                 | .1 | Do demolition work in safe manner and according to applicable laws and regulations from authorities having jurisdiction.  |
|                                 | .2 | Blasting is not permitted.  |
| <br>                            |    |   |
| <u>3.4 DISPOSAL OF MATERIAL</u> | .1 | The Departmental Representative maintains the right of first refusal (at no cost) to demolished material except those designated for reuse.   |
|                                 | .2 | Upon refusal of demolished materials by the Departmental Representative, such materials become the property of the Contractor. Remove such materials from sites and dispose in accordance with Section 01 74 21 - Construction/ Demolition Waste Management and Disposal. |
| <br>                            |    |   |
| <u>3.5 RESTORATION</u>          | .1 | Upon completion of work, remove debris, trim surfaces and leave work site in clean condition.   |
|                                 | .2 | Reinstate areas and existing works outside areas of demolition to conditions that existed prior to commencement of work.  |

END OF SECTION

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