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**STATE STANDARDS**

- 000001-05 635011-02
- 001001-02 666001-01
- 001006 667101-01
- 280001-04 701006-03
- 285001-02 701306-02
- 406201-01 701311-03
- 482001-02 701331-03
- 515001-03 701901-01
- 542401-01 704001-05
- 602301-02 720001-01
- 602306-02 720006-02
- 602401-02 720011-01
- 602421-01 728001-01
- 602601-02 729001-01
- 602701-02 780001-02
- 604001-03 781001-03
- 606001-04 601101-01
- 609001-04
- 609006-04
- 630001-08
- 630301-05
- 631026-04
- 631031-07
- 635006-03

**DISTRICT STANDARDS**

- 205001 601101
- 280001 601401
- 280101 604301
- 281001 609001
- 284001 630101
- 406201 635101
- 406301 667101
- 440001 701331
- 540101 780001
- 540401

**COMMITMENTS**

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

**GENERAL NOTES**

**AVAILABILITY OF ELECTRONIC FILES**  
 Micro Station and GEOPAK files of this project will be made available to the Contractor. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

**UTILITIES - LOCATIONS / INFORMATION ON PLANS**  
 The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown --- all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

**ABANDONED UNDERGROUND UTILITIES**  
 Abandoned underground utilities that conflict with construction shall be disposed outside the limits of Right-Of-Way according to Article 202.03 of the Standard Specifications and as directed by the Engineer. This work will not be paid for separately but shall be considered included in the cost of Earth Excavation.

**COORDINATION WITH UTILITY AGENCIES**  
 The Contractor shall coordinate activities with all utilities within the project limits.

**TREE REMOVAL - UTILITY RELOCATION**  
 Tree removal may be necessary prior to utility companies being able to relocate their facilities outside the construction limits. The Contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activities or incomplete utility relocations.

**COMMITMENTS**  
 Commitments are not to be altered without the written approval of all parties to which the commitment was made.

**PROPERTY OWNER ACCESS REQUIREMENTS**  
 Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

**TREE REMOVAL**  
 The District Four Tree Committee should be contacted and prior approval obtained for any tree removal beyond the limits/locations included in the plans.

**ENVIRONMENTAL REVIEWS**  
 Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- BDE Form 2289 (Environmental Survey Request)
- A location map showing the size limits and location of the use area
- Signed property owner agreement form
- Color photographs depicting the use area

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

**PROTECTION OF EXISTING MONUMENTS**  
 Where section or subsection monuments are encountered, the Engineer shall be notified before such monuments are removed. The Contractor shall protect and carefully preserve all monuments until an authorized surveyor or agent has witnessed or otherwise referenced their location. The Contractor will be responsible for having an authorized surveyor re-establish any section or subsection monuments destroyed by his operations.

**HOT-MIX ASPHALT OVERLAY**  
 The thickness of the hot-mix asphalt overlay shown on the plans is the nominal thickness for the overlay. Deviations from the nominal thickness will only be permitted when such deviations occur due to irregularities in the existing surface on which the overlay is placed.

**REFLECTIVE CRACK CONTROL PLACEMENT**  
 Reflective crack control treatment shall be placed on the cold milled surface.

**SEEDING CONDITIONS**  
 Seeding will not be permitted at any time when the ground is frozen, wet, or in an unfillable condition.

**PAVEMENT STATIONING NUMBERS & PLACEMENT**  
 The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 20 mm (3/4 inch) wide, 125 mm (5 inches) high and 15 mm (5/8 inch) deep.

The pavement station numbers shall be installed as specified herein:  
 Interval - 100 meters (metric stationing) or 200 feet (English stationing)  
 Bottom of Numbers - 150 mm (6 inches) from the inside edge of the pavement marking  
 Location:  
 • 2,3, & 5 Lane Pavements - right edge of pavement in direction of increasing stations  
 • Multi-Lane Divided Roadways - outside edge of pavement in both directions  
 • Ramps - along baseline edge of pavement  
 Position - stations shall be placed so they can be read from the adjacent shoulder  
 Format - Metric (English) pavement stations shall use this format (XX+X00' (XXX'))  
 where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

**BUTT JOINT CUTTING TIME RESTRICTION**  
 Butt joints shall not be milled more than three (3) days prior to placement of the hot-mix asphalt surface course.

**PAVING SURFACE COURSE**  
 Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

**ORDERING LENGTH CONFIRMATION**  
 The Contractor shall verify all dimensions and conditions in the field prior to construction and ordering of materials.

**ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS**  
 The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

**ENGINEER'S FIELD OFFICE**  
 All Engineer's Field Offices shall contain one fully-equipped first-aid cabinet. This item will not be paid for separately, but shall be considered as included in the pay item for ENGINEER'S FIELD OFFICE.

Add the following sentence to the end of paragraph 670.02(i) and 670.04(e):  
 All of the telephone lines provided shall have unpublished numbers.

**TRAFFIC COUNTER LOOP DETECTOR INSTALLATION**  
 The Resident Engineer and/or Contractor shall notify the Traffic Studies Technician in Program Development at least one week prior to the installation to determine exact location.

**EXISTING MAILBOXES AND SIGNS**  
 The Contractor shall remove or relocate all conflicting mailboxes, existing street name signs, and all private and commercial signs in accordance with articles 107.20 & 107.25 and as directed by the Engineer. Sign locations may be adjusted in the field to avoid any found utilities and as directed by the Engineer. This work shall be considered as included in the cost of the project.

All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

**REMOVAL OF UNSUITABLE MATERIAL**  
 The Contractor shall be aware that he may encounter unsuitable material during the course of construction operations. Any unsuitable material encountered shall be removed and disposed of under applicable portions of Section 202 of the Standard Specifications. An estimated quantity of 50 Cubic Yards has been provided within the contract to be used as determined by the Engineer.

**TEMPORARY MATERIAL REQUIREMENTS - UTILITY AND DRIVEWAY CROSSINGS**  
 Incidental hot-mix asphalt surfacing shall be used for all temporary side road crossings. Aggregate for driveway maintenance may be used for all driveway crossings except during winter shutdown in accordance with Article 107.09.

**CLEARING**  
 At locations where clearing is indicated on the plans beyond the limits of the proposed excavation or embankment, the Contractor shall restore the disturbed earth by balding and shaping to blend with the adjacent ground. The clearing will not be paid for separately but shall be included in the cost of Earth Excavation. Reseeding or resodding will be as provided in the plans.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

	HMA SURFACE	HMA BINDER	HMA SHOULDER	HMA SHOULDER	INCIDENTAL HMA SURFACE
Mixture Uses(s):			(TOP LIFT)	(BOTTOM LIFT)	
RAP % (Max)**:	15%	25%	30%	30%	15%
AC/PG:	SBS or SBR 70-22	SBS or SBR 70-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	3.0% @ N=30	4.0% @ N=30	4.0% @ N=50
Mixture Composition:	IL 9.5 or IL 12.5	IL 19.0	IL 9.5L	IL 19.0L	IL 9.5
Friction Aggregate	MIXTURE D	N/A	MIXTURE C	N/A	MIXTURE D

\*\* If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Materials Engineer.