

INDEX OF SHEETS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, COMMITMENTS, LIST OF STANDARDS, GENERAL NOTES AND JOB SPECIFIC NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5	TYPICAL SECTIONS
6	ALIGNMENT, TIES, BENCHMARKS AND STATUS OF UTILITIES
7	REMOVAL PLANS
8	ROADWAY AND DRAINAGE PLAN AND PROFILES
9	PAVEMENT MARKING
10	MISCELLANEOUS DETAILS
11-15	CROSS SECTIONS
16-20	DISTRICT 4 CADD STANDARDS: 406101-D4 BUTT JOINTS (2) 440001-D4 BITUMINOUS SURFACE REMOVAL (COLD MILLING) 602001-D4 INLETS, TYPE G-1 604001-D4 FRAME AND GRATES FOR TYPE G-1 AND TYPE G-1, SPECIAL DRAINAGE STRUCTURES 780001-D4 TYPICAL PAVEMENT MARKINGS (2)

LIST OF STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
- 542301 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 604011-02 FRAME AND LIDS, TYPE 1
- 606001-02 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701301-02 LANE CLOSURE 2L, 2W - SHORT TIME OPERATION
- 701311-02 LANE CLOSURE 2L, 2W - MOVING OPERATION DAY ONLY
- 701326-02 LANE CLOSURE 2L, 2W - PAVEMENT WIDENING, FOR SPEEDS: ≥45 MPH
- 701501-03 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
- 702001-06 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS

COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

GENERAL NOTES

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.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U.S.G.S. mean sea level datum.

PROPERTY OWNER ACCESS REQUIREMENT

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.

TEMPORARY MATERIAL REQUIREMENTS - UTILITY AND DRIVEWAY CROSSINGS

Incidental bituminous surface shall be used for all temporary side road crossings. Aggregate surface course may be used for all driveway crossings except during winter shutdown in accordance with Article 107.09.

CONSECUTIVE SIDE STREET (ROAD) CLOSURE - PROHIBITED

No two consecutive side streets (roads or school driveways) may be closed at the same time during construction. The contractor must alternate streets (roads).

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.

EARTH EXCAVATION - INCIDENTAL TO CURB, GUTTER AND DRIVEWAY

Earth excavation and backfill for proposed curb and gutters and driveway pavements shall be included in the unit cost of the various items.

LABORATORY TESTING OF SUPERPAVE MIXES

Some aggregate compositions produce inconsistent results when burned in the ignition oven. The Engineer will determine whether the ignition oven or AC nuclear gauge will be required after the aggregate sources have been identified.

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

Mixture Uses(s):	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE
RAP % (Max)**:	25%
AC/PG:	PG 64-27
Design Air Voids:	4.2% @ N = 50
Mixture Composition: (Gradation Mixture)	IL 19.0
Friction Aggregate	N/A
Mixture Uses(s):	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE N50
RAP % (Max)**:	0%
AC/PG:	SBR OR SBS PG 70-22
Design Air Voids:	4.2% @ N = 50
Mixture Composition: (Gradation Mixture)	IL 9.5 OR 12.5
Friction Aggregate	MIX D
Mixture Uses(s):	BITUMINOUS SHOULDERS, SUPERPAVE
RAP % (Max)**:	50%
AC/PG:	PG 58-22
Design Air Voids:	2.0%
Mixture Composition: (Gradation Mixture)	CA-6, CA-10
Friction Aggregate	N/A

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

PAVING SURFACE COURSE, CONTINUOUS

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the bituminous surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

REFLECTIVE CRACK CONTROL TREATMENT

Reflective crack control treatment shall be placed on the binder course.

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.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

In accordance with Section 602 of the Standard Specifications, the connecting of existing drain tiles, pipe culverts, or storm sewers to the proposed drainage system structures will not be paid for separately but shall be considered as included in the pay items provided.

SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities. All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation. ITEMS NOT MARKED FOR REMOVAL
Items within temporary easements that are not marked for removal or relocation are to be left unaltered.

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

Ten feet transitions shall be used to match proposed items of work to existing items in the field unless otherwise shown. The transition shall be paid at the contract unit price for the proposed item of work specified.

JOB SPECIFIC NOTES

SAW CUT

A full depth saw cut will be required at the joint between the driving lane and the bituminous shoulder prior to the shoulder removal. This work will not be paid for separately but shall be included in the bituminous shoulder removal.

TOP SOIL

Existing Top Soil from cut areas shall be used as Top Soil on Proposed Fill. Cost included in EARTH EXCAVATION and EMBANKMENT.