

COMMITMENTS

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

No Commitments have been made on this project.

DESIGN CRITERIA

This project was designed in accordance with S.M.A.R.T. policies procedures, and guidelines.

GENERAL NOTES

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.

Permanent Survey Markers

Contractor shall notify the Resident Engineer two weeks prior to any hot-mix asphalt surface removal to allow sufficient time to locate existing survey markers.

Layout for permanent survey markers shall be included in the cost of Permanent survey markers pay item.

Hot-Mix Asphalt Shoulders

Top lift of new shoulders shall be paved monolithically with the mainline surface.

Aggregate Shoulders, Type B

Aggregate Shoulders, Type B shall be required for all granular construction of side roads, entrances, and mailbox turnouts, whether or not portions of the surfaces thus constructed are to be covered with a hot-mix surface, except where noted differently on the plans.

Paving Surface Course

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

Butt Joint Cutting Time Restriction

Butt Joints shall not be milled more than three (3) days prior to placement of the hot-mix surface course.

The removal of Hot-Mix bituminous surface (3/4" to 1 1/2") along the bituminous shoulders will be paid for as Hot-Mix Surface removal (variable depth).

Pavement Station 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 3/4 inches wide, 5 inches high, and 5/8 inches deep. The pavement station numbers shall be installed as specified herein:

Interval - 200 feet

Bottom of Numbers - 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 - pavement stations shall use this format XXX + XX, where X represents the pavement station This work will not be paid separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

MIXTURE USE(S)	SURFACE COURSE	HOT-MIX ASPHALT SHOULDERS , 1½" (If not paved monolithic with mainline)	POLYMERIZED LEVELING BINDER
AC/PG:	PG 64-22	PG 64-22	SBS OR SBR 70-22
RAP% (MAX):	15%	30%	0%
DESIGN AIR VOIDS:	4.0% @ N=50	3.0% @ N=30	2.5% @ N=50
MIXTURE COMPOSITION:	IL 9.5 OR IL 12.5	IL 9.5 L	IL 4.75
FRICITION AGGREGATE:	MIXTURE D (DOLOMITE ONLY)	MIXTURE C	N/A

MIXTURE USE(S)	INCIDENTAL HOT-MIX ASPHALT SURFACING	CLASS D PATCH	HOT-MIX ASPHALT SHOULDERS, 8" (Lower Lifts)
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP% (MAX):	15%	25%	30%
DESIGN AIR VOIDS:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=30
MIXTURE COMPOSITION:	IL 9.5 OR IL 12.5	IL 19.0	IL 19.0 L
FRICITION AGGREGATE:	MIXTURE D (DOLOMITE)	N/A	MIXTURE C

SIDEROADS

Milling and Resurfacing limits need to be verified by the Resident Engineer prior to each operation.