

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 17	*	MONTGOMERY	41	2
PROJECT				

\* 07-00125-01-RS

**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.

**GENERAL NOTES**

- The thickness of bituminous mixtures shown on the plans is the nominal thickness. Deviations from the nominal thickness will be permitted when such deviations occur due to irregularities in the existing surface or base on which the bituminous mixture is placed.
- Except as noted in the plans, pavement grades shown are at the top of pavement surfaces.
- 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 property markers and monuments until the owner or 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.
- Seeding will not be permitted at any time when the ground is frozen, wet or in an untillable condition. Areas to be seeded shall be determined by the engineer and seeded as soon as possible.
- All saw cuts, not including patches, necessary to complete the work detailed in these plans, shall be included in the cost for the various pay items involved. The minimum saw cut depth in the pavement shall be 1 1/2" unless otherwise specified in a detail shown in the plans.
- Unless directed by the engineer, pavement marking lines shall not be laid directly over a longitudinal crack or joint nor over a tar or asphalt painted line. The edge of a centerline or lane line shall be offset a minimum distance of 2" from a longitudinal crack or joint. Edge lines shall be approximately 2" from the edge line of pavement. See section 780 of the standard specifications for traffic control items.
- 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 included in the cost per cubic yard for furnished excavation and no additional compensation will be allowed.
- Any reference to a standard in these plans shall be interpreted to mean the edition as indicated by the subnumber listed in the index of sheets or the copy of the standard included in these plans.
- In addition to the field surveys, plan dimensions and details relative to the existing facilities have been taken from existing plans and are subject to construction variations. It shall be the contractor's responsibility to verify such dimensions and details in the field. Such variations shall not be a cause for additional compensation due to change in the scope of work. However, the contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The existing road signs that interfere with construction will be removed or relocated as directed by the Engineer. After the construction is completed, the contractor will replace the signs as directed by the Engineer. This work will not be paid separately but shall be considered included in the contract, and no compensation will be allowed.
- The location of all utilities are based on information provided by others and is intended to be approximate. It shall be the contractor's responsibility to coordinate his construction activities with the various utility owners. All potential conflicts shall be investigated and remedial action taken prior to interruption of the contractor's progress.
- The contractor shall be responsible for protecting utility property from construction operations as outlined in article 107.31 of the standard specifications. The J.U.L.I.E. Number is 800-892-0123. A minimum of forty-eight hours advance notice is required.
- All elevations shown on the plans are based on U.S.G.S. Mean sea level datum. All station and offset references are to the roadway centerline unless otherwise noted.
- Any excavation necessary to place Hot Mix Asphalt Binder Course and Base Course Widening 8" will not be paid for separately but shall be included in the cost of the HMA items involved.

Commitments: None

The following rates of application have been used to calculate the plan quantities:

Bituminous materials (prime coat)	0.25 gal/sq. yd.
Bituminous materials (prime coat)	0.00038 ton/sq. yd. (on pavement)
Bituminous materials (prime coat)	0.001425 ton/sq.yd. (on agg)
Hot mix asphalt surface / binder	0.056 ton/sq. yd. Per 1"
Aggregate material	2.05 ton/cu. yd.
Riprap	1.35 ton/cu. yd.
Nitrogen fertilizer nutrient	90 lbs./acre
Phosphorous fertilizer nutrient	90 lbs./acre
Potassium fertilizer nutrient	90 lbs./acre
Aggregate prime coat	0.002 ton/sq. yd.
Agricultural ground limestone	2.0 ton/acre

**MIXTURE REQUIREMENTS**

Mixture Use(s)	Hot Mix Asphalt Surface Course, Mix "D", N70	Leveling Binder (Machine Method) N70 & Temporary Ramp	Hot Mix Asphalt Binder Course & Shoulders, Hot Mix Asphalt Base Course Widening 8"
Ac/Pq	Pg 64-22	Pg 64-22	Pg 64-22
Design Air Voids	4.0% @ N Design = 70	4.0% @ N Design = 70	4.0% @ N Design = 70
Mixture Composition	IL. 9.5 Or 12.5	IL. 9.5 Only	IL. 19.0
Friction Aggregate	Mix D	N/A	N/A

**SUMMARY OF QUANTITIES**

Code No.	Item	Unit	Quantity
20400800	Furnished Excavation	Cu. Yd.	547
* 25001000	Seeding, Class 2 (Special)	Acre	0.4
31100300	Sub-Base Granular Material Type A 4"	Sq. Yd.	61
* 35600708	Hot Mix Asphalt Base Course Widening 8"	Sq. Yd.	4026
40600200	Bituminous Materials (Prime Coat)	Ton	8
40600300	Aggregate Prime Coat	Ton	49
40600635	Leveling Binder (Machine Method) N70	Ton	2133
40600982	Hot Mix Asphalt Surface Removal-Butt Joint	Sq. Yd.	1222
40600985	Portland Cement Concrete Surface Removal-Butt Joint	Sq. Yd.	173
40600990	Temporary Ramp	Sq. Yd.	678
40603085	Hot Mix Asphalt Binder Course IL-19.0, N70	Ton	297
40603340	Hot Mix Asphalt Surface Course, Mix 'D' N70	Ton	1418
42400100	Portland Cement Concrete Sidewalk 4"	Sq. Ft.	386
* 44000161	Hot Mix Asphalt Surface Removal 3"	Sq. Yd.	1206
* 44001900	Combination Curb And Gutter Removal (Special)	Foot	3181
* 44002020	Concrete Median Surface Removal	Sq. Ft.	14906
44004250	Paved Shoulder Removal	Sq. Yd.	1560
44201765	Class D Patches Type II 10 Inch	Sq. Yd.	10
44201769	Class D Patches Type III 10 Inch	Sq. Yd.	19
* 44213200	Saw Cuts	Foot	314
48101200	Aggregate Shoulders, Type B	Ton	322
48203100	Hot Mix Asphalt Shoulders	Ton	1822
* 50900905	Removing And Re-Erecting Existing Railing	Foot	25
* 550A0030	Storm Sewers, Class A, Type 1 8"	Foot	156
60100060	Concrete Headwall For Pipe Drains	Each	5
60107600	Pipe Underdrains 4"	Foot	1525
60234200	Inlets, Type A, Type 1 Frame, Open Lid	Each	1
60235300	Inlets, Type A, Type 1 Frame, Closed Lid	Each	3
* 60262900	Inlets To Be Reconstructed With New Type 1 Frame, Open Lid	Each	1
* 60264100	Inlets To Be Reconstructed With New Type 15 Frame And Lid	Each	2
60300305	Frames And Lids To Be Adjusted	Each	9
* 60609000	Combination Concrete Curb And Gutter, Type M-6.06 (Special)	Foot	2582
67100100	Mobilization	L. Sum	1
* 70103700	Traffic Control Complete	L. Sum	1
70300100	Short Term Pavement Marking	Foot	878
70300220	Temporary Pavement Marking - Line 4"	Foot	9311
70301000	Work Zone Pavement Marking Removal	Sq. Ft.	3101
70400100	Temporary Concrete Barrier	Foot	2888
Δ 78001100	Paint Pavement Marking-Letters And Symbols	Sq. Ft.	63
Δ 78001110	Paint Pavement Marking-Line 4"	Foot	17857
Δ 78001150	Paint Pavement Marking-Line 12"	Foot	268
Δ 78001180	Paint Pavement Marking-Line 24"	Foot	280
78300100	Pavement Marking Removal	Sq. Ft.	1566
* XX005138	Class B Patches (Special)	Sq. Yd.	44
* Z0030260	Impact Attenuators, Temporary (Fully-Redirective Narrow) Test Level 3	Each	12
* Z0048665	Railroad Protective Liability Insurance	L. Sum	1
* Z0075300	Tie Bars	Each	300

\* Special Provision

Δ Specialty Items

Construction Type Code: 1000-2A

**SUMMARY OF QUANTITIES & SCHEDULES**  
**F.A.S. 732 (C.H. 17)**  
**(FARMERSVILLE OVERPASS)**  
**SECTION 07-00125-01-RS**  
**MONTGOMERY COUNTY**

FILE NAME: M00125-01 (REV. 2/21/08)