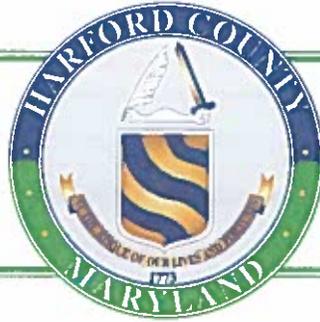


BARRY GLASSMAN
HARFORD COUNTY EXECUTIVE

BILLY BONIFACE
DIRECTOR OF ADMINISTRATION



KAREN D. MYERS
DIRECTOR OF PROCUREMENT

INVITATION FOR BIDS
BID NO. 16-200

REPAIR AND RESURFACING OF SALEM CHURCH ROAD, ETC.

ADDENDUM NO. 1

April 25, 2016

Ladies and Gentlemen:

The purpose of this addendum is to provide clarification (s) to all prospective bidders.

PLEASE NOTE THAT THE DUE DATE FOR THIS BID HAS BEEN EXTENDED. ALL BIDS ARE DUE BY 1:00 PM, ON APRIL 28, 2016, WITH THE BID OPENING AT 1:30 PM HELD IN THE PROCUREMENT CONFERENCE ROOM AT 220 SOUTH MAIN STREET, BEL AIR, MD 21014. NO FURTHER QUESTIONS WILL BE ADDRESSED.

QUESTION #1: Can you clarify the work hours for each road? I know some are collector roads, and some not.

ANSWER #1: Normal County working hours are 7:00 am to 3:00 pm (page GC-11). The County will extend hours these (if contractor requests) to 7:00 am to 7:00 pm.

One Lane Closures are not permitted on roads classified as collectors between the hours of 7:00 and 9:00 am and 4:00 and 6:00 pm. Roads listed as Collectors are Singer Road, South Tollgate Road and North Tollgate Road. See Page 2-5.

For further clarification work will be allowed from 7:00 am to 7:00 pm on Salem Church Road, County Home Road, Jarrettsville Highways Entrance Road and Tollgate Yard Trim Entrance Road (added in an addendum) with no lane closure restrictions. Work will be allowed from 9:00 am to 4:00 pm on Singer Road, North Tollgate Road (including Vale Road) and South Tollgate Road with no lane closure restrictions.

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Furthermore the County will allow night work on Tollgate Road between US 1 and Cider Mill Lane and on Tollgate Road between US 1 and Marketplace Drive if requested by the contractor provided that proper lighting and traffic control is provided. Lastly the County will allow work from 8:30 am to 4:30 pm on North Tollgate Road with no lane closure restrictions after the last day of school (tentatively scheduled for June 20, 2016) if requested by the Contractor.

QUESTION #2: What are the sys for County home? It was left out in the total.

ANSWER #2: An addendum will be issued with the revised quantities for County Home Road.

QUESTION #3: When will we find out if the County can take any RAP?

ANSWER #3: The County will not take any of the RAP material.

QUESTION #4: Can we get water from the County?

ANSWER #4: Yes, but water use must be accounted for and paid for by the Contractor. Fire Hydrant Meters can be rented from Harford County Division of Water & Sewer or a privately owned meter can be used. If a privately owned meter is used it must be registered by the County Meter Department and brought back regularly for reading.

QUESTION #5: Will one coarse and one medium mix design for cold in place recycling cover all the roads for the project, or is one coarse and one medium mix design required for each road to be reconstructed?

ANSWER #5: One medium and once coarse mix design for cold in place recycling covering all the roads will be sufficient unless it is discovered during construction that there is a great difference in materials in the different roads then extra mix designs would be required.

PLEASE SEE THE ATTACHED PRE-BID MEETING MINUTE NOTES FOR CLARIFICATION.

Sincerely,



Aaron E. Hall
Procurement Agent

AEH:KMD/kmd

cc: Glen Hebel, DPW/Engineering
Tim Dorbit, DPW/Engineering

BARRY GLASSMAN
HARFORD COUNTY EXECUTIVE

BILLY BONIFACE
DIRECTOR OF ADMINISTRATION



JEFFREY M. STRATMEYER, P.E.
ACTING DIRECTOR OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS AND STORMWATER MANAGEMENT

MEMORANDUM

April 21, 2016

TO: Karen D. Myers, CPPB
Director, Department of Procurement

THRU: Jeffrey M. Stratmeyer, P.E.
Chief Engineer / Acting Director

FROM: Glen C. Hebel, P.E.
Civil Engineer

ATTN: Aaron Hall
Procurement Agent

SUBJECT: BID#16-200
Resurfacing of: Salem Church Road, Etc. – Addendum #1

It is requested that your office issue Addendum #1, for the above referenced project to include the following revisions:

1. Remove Title Sheet and replace with revised Title Sheet dated April 21, 2016 adding Tollgate Yard Trim Entrance Road to the list of roads in the title.
2. Remove Bid Forms Pages BF-3 through Pages BF-5 and replace with revised Bid Forms Pages BF-3 through Pages BF-5 dated April 21, 2016 revising item quantities and adding new items.
3. Remove Pages 1-1 through 1-2 and replace with revised Pages 1-1 through 1-2 dated April 21, 2016 adding Tollgate Yard Trim Entrance Road and revising descriptions for A & B.
4. Remove Page 1-4 and replace with revised Page 1-4 dated April 21, 2016 revising Tollgate Road Construction Notice.

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April 21, 2016
Page Two

5. Remove Page 2-5 and replace with revised Page 2-5 dated April 21, 2016 revising Time for Completion.
6. Remove Page 3-18 and replace with revised Pages 3-18 through 3-19 dated April 21, 2016 adding Special Provisions for Asphalt Curb, Placing Furnished Topsoil 4" Depth and Type A Soil Stabilization Matting.
7. Remove Pages 5-3 and 5-4 and replace with revised Page 5-3 and 5-4 dated April 21, 2016 revising location maps for South Tollgate Road and County Home Road.
8. Add Pages 6-18 and 6-19 adding a plan and asphalt curb placement detail for the Tollgate Yard Trim Entrance Road.
9. Remove Pages 8-1 through 8-5 and replace with revised Pages 8-1 through 8-5 dated April 21, 2016 revising the quantities for Tollgate Rd (Rt 1 to Vale Rd) and County Home Rd, adding quantities for the Tollgate Rd Yard Trim Entrance Rd and revising the Summary of Quantity sheet.

Also attached are the Pre-Bid Meeting Minutes for distribution. If you have any questions or if you need additional information, please call me at extension 1344.

GCH/ kjs
Enclosures
cc: File

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INVITATION FOR BIDS



FOR

BID NO. 16-200

Resurfacing of Salem Church Road (Maryland Route 23 to Nelson Mill Road), Singer Road (Maryland Route 152 to Atkisson Road), Tollgate Road (Maryland **U.S.** Route 1 to Vale Road), Vale Road (Tollgate Road to Watervale Road), County Home Road, **Tollgate Yard Trim Entrance Road**, Tollgate Road (Maryland **U.S.** Route 1 to West Ring Factory Road) and Jarrettsville Highways Shop Entrance Road

DATE BIDS DUE: APRIL 27, 2016 BY 100 P.M.

NOTE: QUESTIONS CONCERNING THIS SOLICITATION MUST BE E-MAILED NO LATER THAN 5:00 P.M. EASTERN STANDARD TIME ON APRIL 20, 2016.

BIDS RECEIVED AFTER 1:00 PM WILL BE RETURNED UNOPENED

SUBMIT ORIGINAL AND ONE DUPLICATE SET OF BID FORMS TO:

HARFORD COUNTY, MARYLAND
DEPARTMENT OF PROCUREMENT
220 SOUTH MAIN STREET
BEL AIR, MARYLAND 21014-3865

Aaron E. Hall

Procurement Agent

Phone: 410-638-3550

410-879-2000 Ext. 3550

Email: aehall@harfordcountymd.gov

According to the Americans with Disability Act, this document is available in alternative format upon request.



MARYLAND'S NEW CENTER OF OPPORTUNITY

BID NO. 16-200

Resurfacing of Salem Church Road (Maryland Route 23 to Nelson Mill Road), Singer Road (Maryland Route 152 to Atkisson Road), Tollgate Road (Maryland U.S. Route 1 to Vale Road), Vale Road (Tollgate Road to Watervale Road), County Home Road, **Tollgate Yard Trim Entrance Road**, Tollgate Road (Maryland U.S. Route 1 to West Ring Factory Road) and Jarrettsville Highways Shop Entrance Road

ITEM NO.	DESCRIPTION OF ITEM	UNIT	APPROXIMATE QUANTITY	UNIT PRICE DOLLARS & CENTS	TOTAL PRICE DOLLARS & CENTS
1001	Maintenance of Traffic	LS	1		
1002	Portable Variable Message Sign	Per Day	150		
1003	Mobilization	LS	1		
1004	Placement and Removal of Temporary Pavement Tape	LF	11,000		
1005	Temporary Centerline Paint	LF	59,000		
*2001	Class 1-A Excavation (Contingent)	CY	50		
2002	Common Borrow	CY	200		
2003	Class 2 Excavation	CY	30		
*3001	Select Backfill Using Crusher Run Aggregate CR-6 (Contingent)	TON	300		
3002	AASHTO #2 Stone	TON	300		
*3003	6" Perforated Underdrain (Contingent)	LF	100		
3004	Class 1 Rip Rap	TON	15		
3005	Inlet Rehabilitation	EACH	26		
5001	Superpave Asphalt Mix 12.5 MM for Surface PG 64E-22 Level 2	TON	14,500		
5002	Superpave Asphalt Mix 9.5 MM for Wedge & Level PG 64S-22 Level 1	TON	200		
5003	Price Adjustment for Asphalt Binder	LS	1	\$28,000.00	\$28,000.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	APPROXIMATE QUANTITY	UNIT PRICE DOLLARS & CENTS	TOTAL PRICE DOLLARS & CENTS
5004	Asphalt Patching (3" Depth)	SQYD	1,200		
5005	Asphalt Patching (6" Depth)	SQYD	800		
5006	Cold Mill Recycle Base Course	SQYD	87,000		
5007	Bituminous Additive	GAL	156,000		
5008	Portland Cement	TN	300		
5009	Milling Asphalt Pavement 2" Depth	SQYD	25,000		
5010	Milling Asphalt Pavement Tapered Depth	SQYD	3,600		
5011	Graded Aggregate Base (8 Inch Depth) (2-4" Layers)	SQYD	100		
6001	Remove and Replace Mountable Curb and Gutter	LF	200		
6002	Remove and Replace 7" Curb and Gutter	LF	1,200		
6003	Remove and Replace Extruded Concrete Curb	LF	2,000		
6004	Remove and Replace Extruded Asphalt Curb	LF	900		
6005	Remove and Replace 4" Concrete Sidewalk	SQFT	2,700		
6006	Detectable Warning Surface For Curb Ramps - Cast in Place	SQFT	250		
6007	Detectable Warning Surface For Curb Ramps - Surface Applied	SQFT	200		
6008	Remove and Replace 8 Inch Portland Cement Concrete Pavement	SQYD	5		
6009	Asphalt Curb	LF	600		
7001	Topsoil Variable Depth	TON	400		
7002	Placing Furnished Top Soil 4" Depth	SQYD	335		
7003	Turfgrass Establishment	SQYD	8,400		

ITEM NO.	DESCRIPTION OF ITEM	UNIT	APPROXIMATE QUANTITY	UNIT PRICE DOLLARS & CENTS	TOTAL PRICE DOLLARS & CENTS
7004	Type A Soil Stabilization Matting	SQYD	335		
8001	Gate Loop	LS	1		

*CONTINGENT ITEMS - SHEET SHALL BE COMPLETED BY THE BIDDER

TOTAL CONTRACT AMOUNT BID FOR BID ITEMS #1001 THRU 8001 IN WRITTEN WORDS (IF NO CENTS, WRITE NO CENTS)

BID NO. 16 - 200
DESCRIPTION OF THE PROJECT

This contract is for the resurfacing of the following Harford County Roads:

Salem Church Road (Maryland Route 23 to Nelson Mill Road), Singer Road (Maryland Route 152 to Atkisson Road), Tollgate Road (U.S. Route 1 to Vale Road), Vale Road (Tollgate Road to Watervale Road), County Home Road, Tollgate Yard Trim Entrance Road, Tollgate Road (U.S. Route 1 to West Ring Factory Road) and Jarrettsville Highways Shop Entrance Road

NOTE: **Any or all roads may be deleted at the County's discretion.**

This project will consist of the following:

A. Cold-in-place Recycling with Emulsified Asphalt and Portland Cement with Asphalt Overlay:

Salem Church Road (Maryland Route 23 to Nelson Mill Road), Singer Road (Maryland Route 152 to Atkisson Road), Tollgate Road (Cider Mill Lane to County Home Road), County Home Road, Tollgate Yard Trim Entrance Road, Tollgate Road (Emerald Drive to Vale Road), Vale Road (Tollgate Road to Watervale Road), Tollgate Road (W. MacPhail Road to West Ring Factory Road) and Jarrettsville Highways Shop Entrance Road

1. Place 6" perforated underdrain as directed by the Engineer.
2. Reconstruct, rehabilitate, or adjust inlets as directed by the Engineer.
3. Remove and replace curb as directed by the Engineer.
4. Widen Tollgate Road per plan near Cider Mill Lane
 Remove Curb
 Excavate for Graded Aggregate Base
 Place Graded Aggregate Base
 Place 2" Superpave Asphalt Mix 12.5 mm PG 64E-22 (Level 2)
5. Place Portland Cement per mix design.
6. Cold mill recycle existing pavement adding emulsified asphalt to a depth of 6" as described and directed by the Engineer.
7. Fog seal the completed recycled pavement as directed by the Engineer.
8. Paint a temporary, double solid centerline stripe from end to end with gaps at intersections.

(Allow cold mill recycled base to cure, minimum of three (3) to a maximum of five (5) calendar days)

9. Cut and patch areas described and directed by the Engineer.
10. Wedge and level as directed by the Engineer.
11. Mill as directed by the Engineer.
12. Place asphalt curb (Tollgate Yard Trim Entrance Road)
13. Resurface with 2" Superpave Asphalt Mix 12.5 mm PG 64E-22 (Level 2). When placing this final surface, there will be no loaded trucks allowed on the newly placed surface until the next working day.
14. Place Temporary Pavement Tape.
15. Place shoulder stone or top soil as directed by the Engineer.
16. Install Gate Loop (Jarrettsville Highways Shop Entrance Road).

B. Milling, Patching and Asphalt Surface Paving:

Tollgate Road (U.S. Route 1 to Cider Mill Lane), Tollgate Road (County Home Road to Emerald Drive), and Tollgate Road (U.S. Route 1 to W. MacPhail Road)

1. Remove and replace any deteriorated curb as directed by the Engineer.
2. Place 6" perforated underdrain as directed by the Engineer.
3. Reconstruct or rehabilitate inlets as directed by the Engineer.
4. Remove concrete median and place nose down end on Tollgate Rd.
5. Cut and patch roadway as directed by the Engineer.
- 6a. Tollgate Road (U.S. 1 – Cider Mill Lane) & Tollgate Road (U.S. 1 to W. MacPhail Road). Mill to the depth of 2" for hot mix asphalt overlay as directed by the Engineer.
- 6b. Tollgate Road (185' east of Sunset Drive to 650' west of Sunset Drive). Taper mill for asphalt overlay as directed by the Engineer.
7. Crack seal all areas directed by the Engineer.
8. Adjust utilities as directed by the Engineer.
9. Resurface with 2" Superpave Asphalt Mix 12.5 mm PG 64E-22 (Level 2).

NOTICES TO CONTRACTORS

PRE-CONSTRUCTION MEETING:

The Paving Contractor and the Cold in Place Recycling Contractor are required to be at the Pre-Construction Meeting.

DRIVEWAYS:

Driveways are not to be surfaced to the property line, but shall be adjusted to the limit necessary to meet the new road grade. The driveway adjustments will be made using materials equal to or better than the existing materials. If the Engineer specifies asphalt for the driveway tie-in, it will be paid with Hot Mix Asphalt Superpave, 9.5 mm, PG 64S-22 for Wedge and Level. If the Engineer specifies stone for the driveway tie-in, it will be paid with #2 Stone for Roadway Shoulder Buildup.

DAILY CLEANUP:

The Contractor shall perform daily clean-up of all excess materials and removal all trash, materials, equipment, etc.

SHOULDER EDGE DROP OFF GRADING ADJUSTMENT:

Description

This work shall consist of constructing the area adjacent to the outside edge of the shoulder to eliminate the shoulder edge drop off.

Construction

When the outside shoulder pavement edge exceeds 2 inches in height above the existing ground line, the wedge shaped area shall be filled, graded to a slope of 4:1 or flatter with the specified material compacted as directed by the Engineer. The grading adjustment shall be completed within 3 working days upon completion of the HMA surface course.

North Tollgate Road and Vale Road Construction

North Tollgate Road (U.S. Route 1 to Vale Road), Vale Road (Tollgate Road to Watervale Road) County Home Road and Tollgate Yard Trim Entrance Road, shall be completed by July 15, 2016. Failure to complete these roads by this date will result in a deduction of \$2,500.00 per day from the monthly invoice.

TIME FOR COMPLETION:

All work shall be fully and finally completed within **fifty (50)** working days from the Notice to Proceed.

108.04 PROGRESS SCHEDULE:

Supplement with the following:

The Contractor will be held responsible for a "Progress Schedule" which will outline the amount of time projected for each activity in the contract. The "Progress Schedule" shall be prepared as an Activities Chart (AC) Project Schedule in accordance with Section 110 of the Maryland State Highway Administration Standard Specifications for Construction and Materials.

It will be the Contractor's responsibility to submit the AC Project Schedule to the Engineer at the pre-construction meeting. No construction work shall begin on this contract until the engineer approves the AC Project Schedule. Time charges shall begin no later than the date of the Notice to Proceed, nor shall time charges begin before the date of the Notice to Proceed. Any delay in starting work caused by the acceptance of the AC by the Engineer will not be a basis for a monetary claim; however, a non-compensable contract time extension may be considered by the County, if warranted.

The Contractor's attention is directed to the requirements of the Special Provisions with regard to Maintenance of Traffic in preparing his schedule of operations.

Construction work, moving of equipment and transporting of equipment to and from the site is permitted during daylight only, between the hours of 7:00 a.m. and 7:00 p.m.

One-lane closures shall not be permitted on any roads classified as a collector or higher by the Department of Planning and Zoning between the hours of 7:00 and 9:00 a.m. and 4:00 and 6:00 p.m. Additionally, closures are not permitted during these hours on any lower classified roads, if the closure is so close to a higher classified road such that the delayed traffic obstructs the normal flow of traffic on the adjacent road.

If a contractor does not comply with this restriction, he or she will be fined \$250 for the first ten (10) minutes and \$50 for each additional minute thereafter. When this occurs, the on-site inspector shall issue the violation notice. The fine amount will be subtracted from the monthly estimate.

The following roads are classified as Collectors:

Singer Road, South Tollgate Road and North Tollgate Road

ITEM 6009 - ASPHALT CURB

All work to be performed under this item and payment therefore shall be in accordance with Section 602 of the Specifications and the detail located in the Detail Section and as modified herein:

Material for asphalt curb shall consist of Superpave Asphalt Mix 4.75 mm PG 64S-22.

ITEM 7001 - PLACING TOPSOIL, VARIABLE DEPTH

All work to be performed under this item and payment therefore shall be in accordance with Section 701 of the Standard Specifications and as modified herein:

This item is for placing top soil in areas as directed by the Engineer. Top soil shall be furnished per Section 920.01 and shall be sifted to eliminate stones, gravel, stems, weeds, etc. The depth of soil placed is directed by the Engineer. If top soil is to be placed over existing grass, the existing root mat must be removed prior to the placement of top soil.

Measurement and Payment: Placing Top soil will be measured and paid at the contract unit price per cubic yard. Price and payment will be full compensation for all material, labor, equipment, tools and incidentals necessary to complete the work.

ITEM 7002 - PLACING FURNISHED TOPSOIL, 4" DEPTH

All work to be performed under this item and payment therefore shall be in accordance with Section 701 of the Standard Specifications and as modified herein:

Top soil shall be furnished per Section 920.01 and shall be sifted to eliminate stones, gravel, stems, weeds, etc.

Measurement and Payment: Placing Furnished Topsoil will be measured and paid at the contract unit price per square yard. Price and payment will be full compensation for all material, labor, equipment, tools and incidentals necessary to complete the work.

ITEM 7003 - TURFGRASS ESTABLISHMENT

All work to be performed under this item and payment therefore shall be in accordance with the requirements of Section 705 of the Standard Specifications.

ITEM 7004 - TYPE 'A' SOIL STABILIZATION MATTING

All work performed under this item and payment therefore shall be in accordance with Section 709 of the Standard Specifications, the Supplemental Specifications included in this Invitation for Bids and as modified herein:

Type 'A' Soil Stabilization Matting shall be utilized for this project.

ITEM 8001 - GATE LOOP

All work performed under this item and payment therefore shall be in accordance with Sections 810 and 815 of the Standard Specifications, and as modified herein:

Existing detectors disturbed by milling and paving operations shall be replaced per the Manufacturer's Specifications.

Notify the Highway District 4 – Jarrettsville Shop at 410-692-7878, five (5) working days before the start of work. Gate Loop Detector shall be installed directly before asphalt overlay if possible or within two days after asphalt is placed.

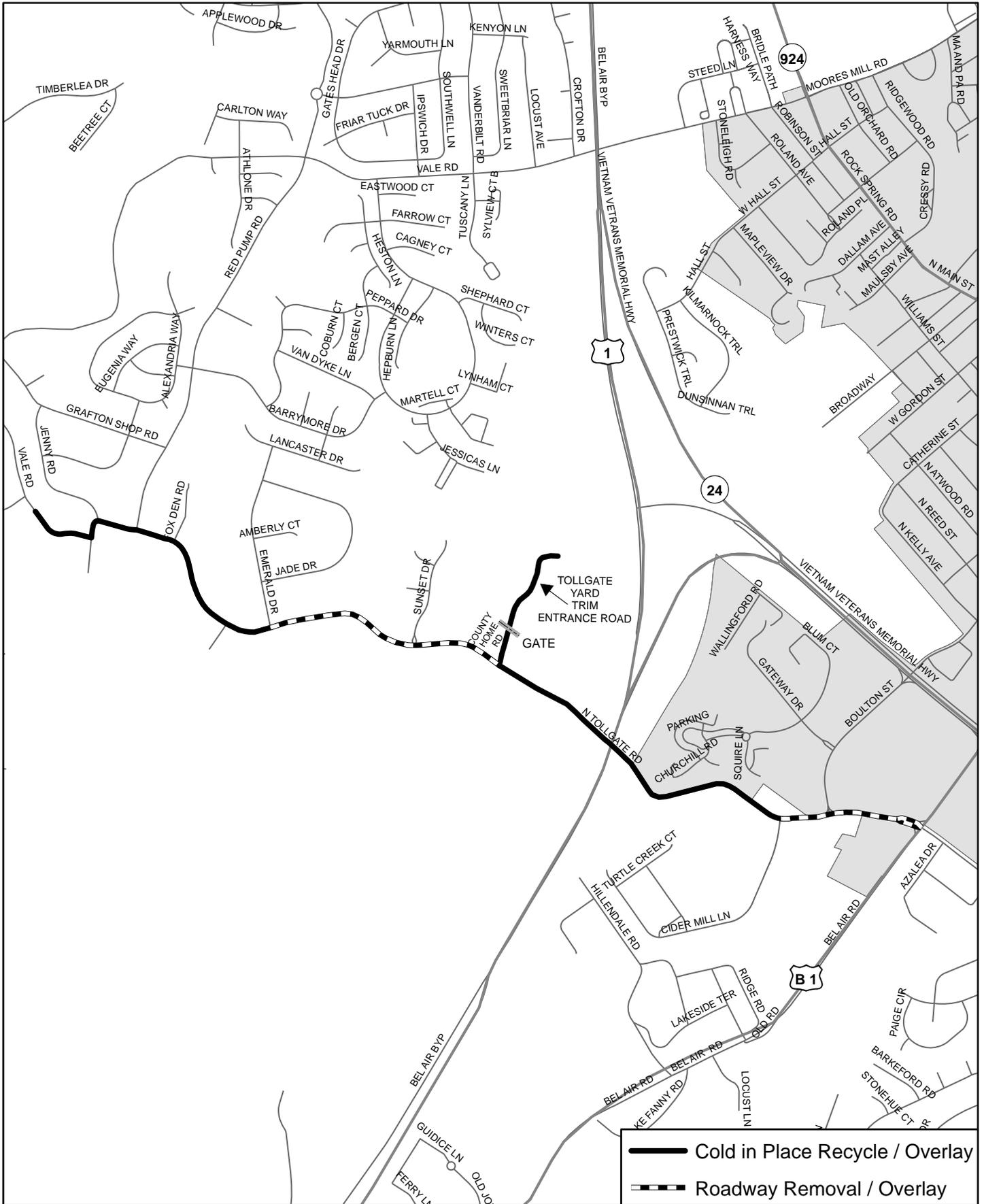
Measurement and Payment: Gate Loop will be measured and paid for at the contract unit price per each. Price and payment will be full compensation for saw cutting, sealing, trench excavation, backfill, PVC conduit, hole drilling, installation of cable, installation of loop detector wire, and all material, labor, equipment, tools and incidentals necessary to complete the work.



South Tollgate Road



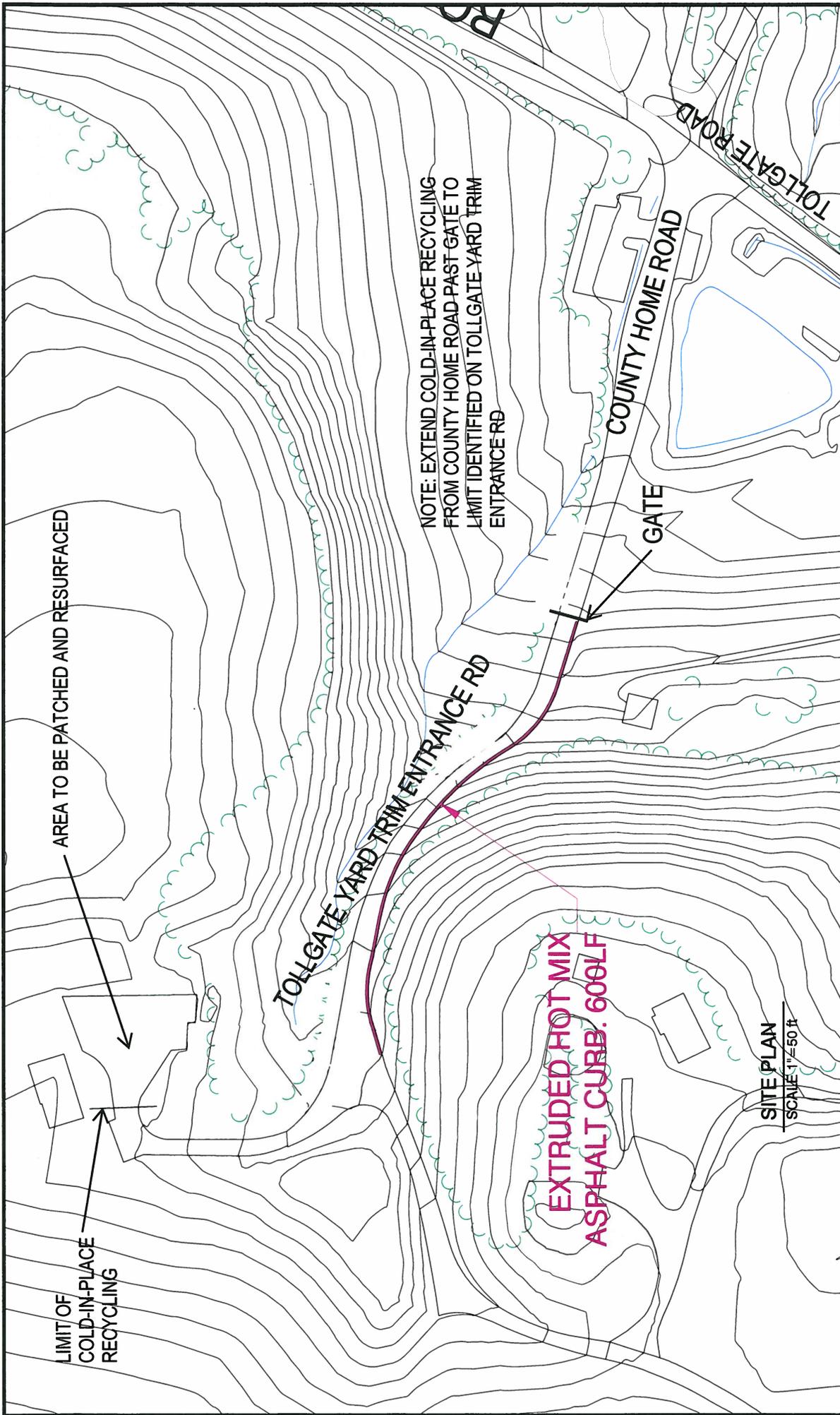
Not To Scale



North Tollgate Road, County Home Road and Tollgate Yard Trim Entrance Road



Not To Scale



PROJECT NO.		TOLLGATE YARD TRIM ENTRANCE RD	
SCALE: 1"=50'			
SHEET	0	OF	0
DRAWING NO.			

NO.	DATE	DESCRIPTION	BY	CHK

MARYLAND ENVIRONMENTAL SERVICE ENVIRONMENTAL OPERATIONS GROUP	SEAL
JAMES W. HARRIS DIRECTOR	
TIM FORD CHIEF OF ENGINEERING	
SEAL	

DESIGNED	CEL
CHECKED	
APPROVED	
DATE	

GRAPHIC SCALE
1 inch = 50 ft

SEED & SOIL
STABILIZATION MATTING

EXTRUDED HOTMIX
ASPHALT CURB 7"

4" TOPSOIL

COMMON BORROW
VARIES

OVERLAY

BASE COURSE

EXISTING GROUND

MARYLAND
ENVIRONMENTAL
SERVICE



TOLLGATE YARD TRIM
ENTRANCE ROAD
ASPHALT CURB PLACEMENT



QUANTITY SHEETS

Item	Item Description	Unit	Salem Church Rd. (MD. Rt 23 to Nelson Mill Rd.)	Singer Rd. (MD Rt. 152 to Atkisson Rd.)
			Quantity	Quantity
1001	Maintenance of Traffic	LS		
1002	Portable Variable Message Sign (PVMS)	Per Day	30	30
1003	Mobilization	LS		
1004	Placement and Removal of Temporary Pavement Tape	LF	2,231	2,325
1005	Temporary Centerline Paint	LF	17,848	18,586
*2001	Class 1-A Excavation (Contingent)	CY		
2002	Common Borrow	CY		
2003	Class 2 Excavation	CY		
*3001	Select Backfill Using Crusher Run Aggregate CR-6 (Contingent)	TON		
3002	AASHTO #2 Stone	TON		
*3003	6" Perforated Underdrain (Contingent)	LF		
3004	Class 1 Rip Rap	TON		
3005	Inlet Rehabilitation	EACH		
5001	Superpave Asphalt Mix 12.5 MM for Surface PG 64E-22 Level 2	TON	1,985	2,760
5002	Superpave Asphalt Mix 9.5 MM for Wedge & Level PG 64S-22 Level 1	TON		
5003	Price Adjustment for Asphalt Binder	LS		
5004	Asphalt Patching (3" Depth)	SQYD		
5005	Asphalt Patching (6" Depth)	SQYD		
5006	Cold Mill Recycle Base Course	SQYD	17,847	24,782
5007	Bituminous Additive	GAL	32,125	44,608
5008	Portland Cement	TN	54	74
5009	Milling Asphalt Pavement 2" Depth	SQYD		
5010	Milling Asphalt Pavement Tapered Depth	SQYD		
5011	Graded Aggregate Base (8 Inch Depth) (2-4" Layers)	SQYD		
6001	Remove and Replace Mountable Curb and Gutter	LF		
6002	Remove and Replace 7" Curb and Gutter	LF		
6003	Remove and Replace Extruded Concrete Curb	LF		
6004	Remove and Replace Extruded Asphalt Curb	LF		
6005	Remove and Replace 4" Concrete Sidewalk	SQFT		
6006	Detectable Warning Surface For Curb Ramps - Cast in Place	SQFT		
6007	Detectable Warning Surface For Curb Ramps - Surface Applied	SQFT		
6008	Removal and Replace 8" Portland Cement Concrete Pavement	SQYD		
6009	Asphalt Curb	LF		
7001	Placing Topsoil, Variable Depth	TON		
7002	Placing Furnished Topsoil 4" Depth	SQYD		
7003	Turfgrass Establishment	SQYD		
7004	Type A Soil Stabilization Matting	SQYD		
8001	Gate Loop	LS		



QUANTITY SHEETS

Item	Item Description	Unit	Tollgate Rd. (US Rt. 1 to Vale Rd.)	Vale Road	County Home Rd.
			Quantity	Quantity	Quantity
1001	Maintenance of Traffic	LS			
1002	Portable Variable Message Sign (PVMS)	Per Day	30		
1003	Mobilization	LS			
1004	Placement and Removal of Temporary Pavement Tape	LF	3,310	250	
1005	Temporary Centerline Paint	LF	10,305	950	
*2001	Class 1-A Excavation (Contingent)	CY			
2002	Common Borrow	CY			
2003	Class 2 Excavation	CY	25		
*3001	Select Backfill Using Crusher Run Aggregate CR-6 (Contingent)	TON			
3002	AASHTO #2 Stone	TON			
*3003	6" Perforated Underdrain (Contingent)	LF			
3004	Class 1 Rip Rap	TON	5		
3005	Inlet Rehabilitation	EACH	5		
5001	Superpave Asphalt Mix 12.5 MM for Surface PG 64E-22 Level 2	TON	4,200	215	500
5002	Superpave Asphalt Mix 9.5 MM for Wedge & Level PG 64S-22 Level 1	TON			
5003	Price Adjustment for Asphalt Binder	LS			
5004	Asphalt Patching (3" Depth)	SQYD			
5005	Asphalt Patching (6" Depth)	SQYD			
5006	Cold Mill Recycle Base Course	SQYD	16,850	1,900	4,515
5007	Bituminous Additive	GAL	30,330	3,420	8,127
5008	Portland Cement	TN	51	6	14
5009	Milling Asphalt Pavement 2" Depth	SQYD	8,525		
5010	Milling Asphalt Pavement Tapered Depth	SQYD	3,500		
5011	Graded Aggregate Base (8 Inch Depth) (2-4" Layers)	SQYD	70		
6001	Remove and Replace Mountable Curb and Gutter	LF			
6002	Remove and Replace 7" Curb and Gutter	LF	60		
6003	Remove and Replace Extruded Concrete Curb	LF	285		1,450
6004	Remove and Replace Extruded Asphalt Curb	LF	615		
6005	Remove and Replace 4" Concrete Sidewalk	SQFT	228		
6006	Detectable Warning Surface For Curb Ramps - Cast in Place	SQFT	20		
6007	Detectable Warning Surface For Curb Ramps - Surface Applied	SQFT	60		
6008	Removal and Replace 8" Portland Cement Concrete Pavement	SQYD	3		
6009	Asphalt Curb	LF			
7001	Placing Topsoil, Variable Depth	TON			
7002	Placing Furnished Topsoil 4" Depth	SQYD			
7003	Turfgrass Establishment	SQYD			
7004	Type A Soil Stabilization Matting	SQYD			
8001	Gate Loop	LS			



QUANTITY SHEETS

Item	Item Description	Unit	Tollgate	Tollgate Rd.
			Yard Trim Entrance Rd	(US Rt. 1 to West Ring Rd.)
			Quantity	Quantity
1001	Maintenance of Traffic	LS		
1002	Portable Variable Message Sign (PVMS)	Per Day		45
1003	Mobilization	LS		
1004	Placement and Removal of Temporary Pavement Tape	LF		2,200
1005	Temporary Centerline Paint	LF		10,900
*2001	Class 1-A Excavation (Contingent)	CY		
2002	Common Borrow	CY	110	
2003	Class 2 Excavation	CY		
*3001	Select Backfill Using Crusher Run Aggregate CR-6 (Contingent)	TON		
3002	AASHTO #2 Stone	TON		
*3003	6" Perforated Underdrain (Contingent)	LF		
3004	Class 1 Rip Rap	TON		
3005	Inlet Rehabilitation	EACH	1	20
5001	Superpave Asphalt Mix 12.5 MM for Surface PG 64E-22 Level 2	TON	455	2,880
5002	Superpave Asphalt Mix 9.5 MM for Wedge & Level PG 64S-22 Level 1	TON		
5003	Price Adjustment for Asphalt Binder	LS		
5004	Asphalt Patching (3" Depth)	SQYD		
5005	Asphalt Patching (6" Depth)	SQYD	272	
5006	Cold Mill Recycle Base Course	SQYD	2,950	15,400
5007	Bituminous Additive	GAL	5,310	27,720
5008	Portland Cement	TN	9	46
5009	Milling Asphalt Pavement 2" Depth	SQYD		10,505
5010	Milling Asphalt Pavement Tapered Depth	SQYD		
5011	Graded Aggregate Base (8 Inch Depth) (2-4" Layers)	SQYD		
6001	Remove and Replace Mountable Curb and Gutter	LF		
6002	Remove and Replace 7" Curb and Gutter	LF		810
6003	Remove and Replace Extruded Concrete Curb	LF		
6004	Remove and Replace Extruded Asphalt Curb	LF		
6005	Remove and Replace 4" Concrete Sidewalk	SQFT		2,280
6006	Detectable Warning Surface For Curb Ramps - Cast in Place	SQFT		200
6007	Detectable Warning Surface For Curb Ramps - Surface Applied	SQFT		130
6008	Removal and Replace 8" Portland Cement Concrete Pavement	SQYD		
6009	Asphalt Curb	LF	600	
7001	Placing Topsoil, Variable Depth	TON		
7002	Placing Furnished Topsoil 4" Depth	SQYD	335	
7003	Turfgrass Establishment	SQYD	335	
7004	Type A Soil Stabilization Matting	SQYD	335	
8001	Gate Loop	LS		



QUANTITY SHEETS

			Highways Jarrettsville Shop Entrance Road
Item	Item Description	Unit	Quantity
1001	Maintenance of Traffic	LS	
1002	Portable Variable Message Sign (PVMS)	Per Day	
1003	Mobilization	LS	
1004	Placement and Removal of Temporary Pavement Tape	LF	
1005	Temporary Centerline Paint	LF	
*2001	Class 1-A Excavation (Contingent)	CY	
2002	Common Borrow	CY	
2003	Class 2 Excavation	CY	
*3001	Select Backfill Using Crusher Run Aggregate CR-6 (Contingent)	TON	
3002	AASHTO #2 Stone	TON	
*3003	6" Perforated Underdrain (Contingent)	LF	
3004	Class 1 Rip Rap	TON	
3005	Inlet Rehabilitation	EACH	
5001	Superpave Asphalt Mix 12.5 MM for Surface PG 64E-22 Level 2	TON	225
5002	Superpave Asphalt Mix 9.5 MM for Wedge & Level PG 64S-22 Level 1	TON	
5003	Price Adjustment for Asphalt Binder	LS	
5004	Asphalt Patching (3" Depth)	SQYD	
5005	Asphalt Patching (6" Depth)	SQYD	
5006	Cold Mill Recycle Base Course	SQYD	1,878
5007	Bituminous Additive	GAL	3,380
5008	Portland Cement	TN	6
5009	Milling Asphalt Pavement 2" Depth	SQYD	
5010	Milling Asphalt Pavement Tapered Depth	SQYD	
5011	Graded Aggregate Base (8 Inch Depth) (2-4" Layers)	SQYD	
6001	Remove and Replace Mountable Curb and Gutter	LF	
6002	Remove and Replace 7" Curb and Gutter	LF	
6003	Remove and Replace Extruded Concrete Curb	LF	
6004	Remove and Replace Extruded Asphalt Curb	LF	
6005	Remove and Replace 4" Concrete Sidewalk	SQFT	
6006	Detectable Warning Surface For Curb Ramps - Cast in Place	SQFT	
6007	Detectable Warning Surface For Curb Ramps - Surface Applied	SQFT	
6008	Removal and Replace 8" Portland Cement Concrete Pavement	SQYD	
6009	Asphalt Curb	LF	
7001	Placing Topsoil, Variable Depth	TON	
7002	Placing Furnished Topsoil 4" Depth	SQYD	
7003	Turfgrass Establishment	SQYD	
7004	Type A Soil Stabilization Matting	SQYD	
8001	Gate Loop	LS	1



QUANTITY SHEETS

			Estimated	Bid
Item	Item Description	Unit	Quantities	Quantities
1001	Maintenance of Traffic	LS	1	1
1002	Portable Variable Message Sign (PVMS)	Per Day	135	150
1003	Mobilization	LS		1
1004	Placement and Removal of Temporary Pavement Tape	LF	10,316	11,000
1005	Temporary Centerline Paint	LF	58,589	59,000
*2001	Class 1-A Excavation (Contingent)	CY		50
2002	Common Borrow	CY	110	200
2003	Class 2 Excavation	CY	25	30
*3001	Select Backfill Using Crusher Run Aggregate CR-6 (Contingent)	TON		300
3002	AASHTO #2 Stone	TON		300
*3003	6" Perforated Underdrain (Contingent)	LF		100
3004	Class 1 Rip Rap	TON	5	15
3005	Inlet Rehabilitation	EACH	26	26
5001	Superpave Asphalt Mix 12.5 MM for Surface PG 64E-22 Level 2	TON	13,220	14,500
5002	Superpave Asphalt Mix 9.5 MM for Wedge & Level PG 64S-22 Level 1	TON		200
5003	Price Adjustment for Asphalt Binder	LS		1
5004	Asphalt Patching (3" Depth)	SQYD		1,200
5005	Asphalt Patching (6" Depth)	SQYD	272	800
5006	Cold Mill Recycle Base Course	SQYD	86,122	87,000
5007	Bituminous Additive	GAL	155,020	156,000
5008	Portland Cement	TN	258	300
5009	Milling Asphalt Pavement 2" Depth	SQYD	19,030	25,000
5010	Milling Asphalt Pavement Tapered Depth	SQYD	3,500	3,600
5011	Graded Aggregate Base (8 Inch Depth) (2-4" Layers)	SQYD	70	100
6001	Remove and Replace Mountable Curb and Gutter	LF		200
6002	Remove and Replace 7" Curb and Gutter	LF	870	1,200
6003	Remove and Replace Extruded Concrete Curb	LF	1,735	2,000
6004	Remove and Replace Extruded Asphalt Curb	LF	615	900
6005	Remove and Replace 4" Concrete Sidewalk	SQFT	2,508	2,700
6006	Detectable Warning Surface For Curb Ramps - Cast in Place	SQFT	220	250
6007	Detectable Warning Surface For Curb Ramps - Surface Applied	SQFT	190	200
6008	Removal and Replace 8" Portland Cement Concrete Pavement	SQYD	3	5
6009	Asphalt Curb	LF	600	600
7001	Placing Topsoil, Variable Depth	TON		400
7002	Placing Furnished Topsoil 4" Depth	SQYD	335	335
7003	Turfgrass Establishment	SQYD	335	8,400
7004	Type A Soil Stabilization Matting	SQYD	335	335
8001	Gate Loop	LS	1	1

BARRY GLASSMAN
HARFORD COUNTY EXECUTIVE

BILLY BONIFACE
DIRECTOR OF ADMINISTRATION



JEFFREY M. STRATMEYER, P.E.
ACTING DIRECTOR OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS AND STORMWATER MANAGEMENT

APRIL 14, 2016

Harford County Bid No. 16-200
Resurfacing of: Salem Church Road, etc.
Pre-Bid Meeting Minutes

A pre-bid meeting was held on Thursday, April 14, 2016 at 10:00 a.m. in the third floor conference room of the Department of Public Works at 212 S. Bond Street, Bel Air, Maryland 21014. Those in attendance were informed of the following:

1. Those in attendance were informed that questions for this bid should be emailed to Aaron Hall and are due by 5:00 p.m. on Wednesday, April 20, 2016. The bids are due by Wednesday, April 27, 2016 by 1:00 p.m. and should be dropped off at the Front Desk where the Security Guard will time-stamp the bids and notify the Procurement Department when the bids are in. There is a pre-qualification for this bid; you must be pre-qualified in A-2 Bituminous. Completion time is forty-five (45) working days from the Notice to Proceed. It was noted that Glen Hebel is the project manager since Tim Dorbit is out on extended leave. Harford County stated the contents of the contract and the scope of work.
2. Harford County stated Tollgate Road must be completed by July 15, 2016 (as noted on Page 1-4). Failure to complete Tollgate Road by this date will result in a deduction of \$2500.00 per day from the monthly invoice. Completion by this date is important to the County due to the Farm Fair which is located at the Equestrian Center within this segment of Tollgate Road and is scheduled for mid to late July.
3. Harford County stated that if the Contractors request work at night the County would allow night work on the commercial areas of Tollgate Road from U.S. Route 1 to Cider Mill Lane and U.S. 1 to approximately Azalea Drive. Hours for work in this contract are from 9 a.m. to 4 p.m. for the collector roads listed which includes Singer Road and Tollgate Road. On North Tollgate Road the County would permit the extension of the work hours to 8:30 a.m. to 4:30 p.m. once Harford County schools are closed for the year. The last day of school is currently scheduled for Monday, June 20, 2016. The County anticipates issuing a Notice to Proceed by June 01, 2016. The time of completion is forty-five (45) working days.

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The following questions were asked:

1. **A Contractor asked if Vale Road would need to be done by that date also since it is at the end of Tollgate.**

Yes, Vale Road will also need to be completed by July 15, 2016.

2. **A Contractor asked for clarification on County Home Road, the description on page 1-1 states that County Home Road will consist of cold in place recycling but the quantities listed on page 8-3 do not reflect this.**

The County stated that they would look into this and correct the quantities. The description is correct, County Home Road will consist of cold in place recycling. Note: The Tollgate Yard Trim Entrance Road (extension of County Home Road) will be added to the contract in an addendum.

3. **A contractor asked for verification that the roundabouts on South Tollgate Road were not to be recycled.**

The county stated that the roundabouts are not to be recycled; the limits of the cold in place recycling would begin past the roundabout at Tollgate and MacPhail Road.

4. **A Contractor asked if both sections of Tollgate Rd needed to be completed by July 15, 2016.**

The County stated that both sides of Tollgate Rd needed to be completed by this date. Note: After further consideration only N. Tollgate Rd and Vale Rd needs to be completed by this date, an addendum will be issued to clarify this in the IFB.

5. **A Contractor asked questions about the centerline striping. Is it paid per linear foot for two stripes? The quantities on Salem Church Rd and Singer Rd are 9,500 feet and 17,000 feet is this because you have to do it a couple of times?**

The County stated that they would need to look into the quantities and clarify if necessary. Temporary centerline paint is paid for per linear foot for two 4" wide stripes as specified in the description of Item 1005 in the Special Provisions. The quantities may be doubled on these roads because it is likely that the striping is to be completed twice, once after half the road in cold in place recycled and again when the other half of the road is cold in place recycled.

6. **A Contractor had a question on taper milling; there is not a large enough quantity, questioning the area that needs taper milling.**

Taper milling will begin at the centerline of the road and transition to thickness of overlay at the gutter pan as specified in the Special Provisions. The County will check quantities and revise accordingly.

7. **A Contractor asked where the limits are at the Jarrettsville Shop gate, specifically to determine if there are one or two loops to replace for the gate.**

The County will check with the District Supervisor and clarify. Note: The limits of the work on the entrance road will be inside the gate as directed by the Engineer during construction. There is one gate loop to be replaced. The gate loop is located just inside the gate and is visible on the road surface.

8. **A Contractor questioned repair of sidewalk, curb and gutter stating that with 45 days in the contract they would have to move pretty quickly on that work and asked that if something were to happen causing more work would the County consider extending those 45 days?**

The contract is to be completed within the 45 working days specified. If additional work beyond the contract limits were necessary additional time would be discussed with the contractor.

9. **A Contractor asked about the bituminous curb located on North Tollgate Road near Fox Den stating that if you get close to the curb with the milling machine that it is going to be damaged. The contractor further stated that the curb is already cracked and wanted to know if the County was intending to replace it.**

The County will look into this and identify if the curb is to be replaced.

Submitted by,



Glen C. Hebel, P.E.
Project Manager

GCH/ kjs

CC: File: G:\Roads\BID CONTRACTS\16-200 - Salem Church Road Etc\Pre-Bid Meeting Minutes - 2016 04 14.docx