



City of Seven Hills

Engineering Department

Posting Date: December 7, 2011

REQUEST FOR BIDS

2012/2013 Blanket Service Order Contract
Various Areas - Seven Hills, Ohio
Response Due Date: January 9, 2012

The City of Seven Hills is seeking bids for the above referenced project. The Contractor and subcontractors shall be registered, licensed and bonded to perform work in the City of Seven Hills. Information is available at the City's Building Department.

The Blanket Service Order Contract(s) shall be valid for work awarded before January 1, 2014. Work shall be performed in accordance with the 2010 Construction and Materials Specifications issued by the State of Ohio, Department of Transportation. Any one contract amount shall not exceed \$25,000. The City of Seven Hills at its discretion may contract with one or multiple Contractors to complete various bid items throughout the year. Contractors may be awarded multiple contracts for different types of work as permitted by law and approved by the Law Director. The minimum quantity per order can include performing the bid item(s) at more than one location in the City. Please note that the minimum curb shown may include the various combinations of curb types. Contractors are not required to submit a bid price on every bid item. **If the Contractor does not wish to bid on an item they shall place "N/A" in the total unit price column for that bid item.** Upon completion of each contract, the Contractor shall post a two (2) year maintenance bond (acceptable to the Law Director) for 50% of the contract amount which is incidental to the individual contract(s).

Interested Contractors shall submit their bid pricing using only the attached bid forms to:

The City of Seven Hills Ohio
Attn: Mark K. Papke, P.E. – City Engineer
7325 Summitview Drive
Seven Hills, Ohio 44131

Prices to Include and Specifications

The following bid items shall include all materials, labor, equipment, trucking, tools, layout, surveying, supervision, bonds, taxes, insurances, permits, sediment/erosion control, complete site restoration, incidentals, maintenance of traffic (vehicle and pedestrian) and mobilization/de-mobilization necessary to furnish, install and complete the work to the satisfaction of the City. The work shall be performed in strict accordance with OSHA standards. The work shall include OUPS and other utility companies' notification as required by their guidelines. All concrete work shall conform to ACI and shall include cold or hot weather protection including curing compound as necessary. Perform work in accordance with Seven Hills Codified Ordinances. The Contractor shall be responsible for coordination and notification with any parties in which the work may affect which shall be incidental to the work. No road closures are permitted unless directed by the Engineer. Five (5) Maintenance of Traffic plans shall be submitted by the Contractor prior to work which is incidental to the work. All maintenance of traffic shall be in accordance with the Ohio Manual of Uniform Traffic Control Devices and must be pre-approved by the City Engineer prior to work. The removal and resetting of mail boxes is incidental to the work item as well as setting up temporary mail boxes as required by the US Postal Service.

7325 Summitview Dr. Seven Hills, OH. 44131 PH: 216.525.6226 Fax: 216.524.0523

www.sevenhillsohio.org engineering@sevenhillsohio.org

Pavement Planing, Portland Cement, (Max. T=3")

This work shall be performed in accordance with ODOT Item No. 254 as directed by the Engineer or his designated representative. The material to be planed is concrete.

Concrete Driveway Apron Removal and Replacement, T=6", Fibermesh Reinforced, Class MS This work shall be performed in accordance with ODOT Item No. 255 and ODOT Std. Dwg. BP-4.1 except as modified herein. The existing concrete apron shall be removed to the nearest concrete joint or beyond and as directed by the Engineer. Dispose of excavated materials. Replace the apron to match the existing dimensions and match existing finish or as directed by the Engineer. Also included is the leveling and compaction of the subgrade, providing 6" of ODOT Item No. 499.05(B), Class MS concrete. Use 1-1/2 lbs/CY of fibrillated polypropylene fiber meeting the requirement of ASTM C-1116, Type III, Section 4.13 in lieu of steel reinforcing. No dowel bars or joint sealer is required. Restoration of the tree lawn areas affected by this work is to be included in the unit price. This work also includes saw cutting of the pavement edges.

7" or 8" Full Depth Pavement Removal and Rigid Pavement Replacement, Class FS or MS (Fibermesh)

This work shall be performed in accordance with ODOT Items 255 and 451 except as modified herein. The new concrete pavement thickness shall be 7 or 8 inches thick. Use 1-1/2 lbs/CY of fibrillated polypropylene fiber meeting the requirement of ASTM C-1116, Type III, Section 4.13 in lieu of steel reinforcing. The concrete shall be per ODOT Item No. 499.05(B), Class MS or FS as directed by the Engineer. Concrete Maximum Slump is 4" and Concrete Air Entrainment is 6% ($\pm 2\%$). Broom finish concrete. No dowels are required at contraction joints, only at construction and expansion joints. Provide expansion joints at the pavement termini and the Point of Curvature (PC) and Point of Tangency (PT) locations only. Hook bolts are required at the longitudinal construction joints. Follow applicable provisions of ODOT Std. Dwg. BP-2.5 for pavement joint and dowel construction. The finish grade of the proposed pavement shall essentially match the existing grade. This item shall also include removal of the existing aggregate base (or subgrade) and installation of 6" of ODOT Item No. 304 natural limestone aggregate base which shall be compacted in-place. This work also includes saw cutting of the pavement edges. Protect the concrete minimally with visqueen and barricade the area to prevent vandalism. Use Vinyl-Con concrete bag for washout (or approved equal). The pavement is to be replaced in such a manner that the finished grades will maintain positive drainage towards the catch basin inlets and as to not to further damage the remaining pavement sections. This item includes the disposal of all removed and excavated materials in accordance with the governing laws.

Full Depth Whitetopping Removal and Replacement, Class MS

This work shall be performed in accordance with ODOT Item Nos. 255 and 448. The existing pavement thickness shall assumed to be from the bottom of the aggregate base to the surface as 5" of reinforced concrete base, 1" of asphalt, and 4" fibermesh reinforced concrete. The work shall consist of removal and replacement in-kind. Saw cutting shall also include the flexible pavement. The fibermesh reinforced concrete shall be per the specifications above.

Concrete Repair by Epoxy Injection: This work shall be performed in accordance with ODOT Item 512.07 except as modified herein. This method shall be applied to all surface cracks as directed by the Engineer. Prior to work, epoxy injection material specifications including preparation and installation methods shall be submitted to the Engineer for approval.

Bonded Patching of Portland Cement Concrete Pavement, Type C: This work shall be performed in accordance with ODOT Item 256 except as modified herein. This method shall be applied to pavement spalling, surface deterioration, and extensive cracks as directed by the Engineer. Prior to work, bonded patching material specifications shall be submitted to the Engineer for approval.

Subgrade Compaction

This work shall be performed in accordance with ODOT Item No. 204.

6" Undercut & 6" ODOT Item No. 304 Natural Limestone Aggregate Base

This item of work is intended to remediate unstable subgrades beneath pavements. This item of work shall be performed in accordance with ODOT Item Nos. 203 and 304.

12" Undercut, Tensar TriAx TX140 & 12" ODOT Item No. 304 Natural Limestone Aggregate Base

This item of work shall be performed in accordance with ODOT Item Nos. 203 and 304. This item of work is intended to remediate unstable subgrades beneath pavements. The Tensar TriAx TX140 geogrid shall be placed in accordance with the manufacturers recommendations and shall be placed directly atop the excavated subgrade.

18" Undercut, Tensar BX-1300 & 12" No. 1 & 2 Natural Limestone, and 6" ODOT Item No. 304 Natural Limestone Aggregate Base

This item of work shall be performed in accordance with ODOT Item Nos. 203 and 304. This item of work is intended to remediate unstable subgrades beneath pavements. The Tensar BX-1300 shall be placed in accordance with the manufacturers recommendations and shall be placed directly atop the excavated subgrade. The No. 1 and 2 stone shall be angular stone.

4" Thick Full-Depth Removal and Replacement Concrete Sidewalk, Fibermesh, Class MS

This work shall be performed in accordance with ODOT Items 255 and 608 except as modified herein. This item of work shall be used to replace deteriorated or inadequate sections of sidewalk as directed by the Engineer. The new sidewalk concrete pavement thickness shall be 4 inches thick. Use 1-1/2 lbs/CY of fibrillated polypropylene fiber meeting the requirement of ASTM C-1116, Type III, Section 4.13 in lieu of steel reinforcing. The concrete shall be per ODOT Item No. 499.05(B), Class MS. Concrete Maximum Slump is 4" and Concrete Air Entrainment is 6% ($\pm 2\%$). Match existing concrete finish unless directed by the Engineer. The finish grade of the proposed sidewalk shall essentially match the existing grade. This work also includes saw cutting of the pavement edges and placement of 1/2" expansion joint material along the edges. Protect the concrete minimally with visqueen and barricade the area to prevent vandalism. Use Vinyl-Con concrete bag for washout (or approved equal). This item includes the disposal of all removed and excavated materials in accordance with the governing laws. Pre-pour inspection is required by the Building Department. All work shall meet Seven Hills Codified Ordinance 1106.

Curb Ramp with Truncated Domes (All types per BP-7.1)

This item of work shall be used to replace deteriorated or obsolete curb ramps in accordance with the latest ADA requirements, ODOT Standard Drawing BP-7.1, and ODOT Items 255 and 608 except as modified herein. This work shall include saw cutting, excavation per ODOT Item 203 and subgrade Compaction per ODOT Item 204. Use 1-1/2 lbs/CY of fibrillated polypropylene fiber meeting the requirement of ASTM C-1116, Type III, Section 4.13 in lieu of steel reinforcing. The concrete shall be per ODOT Item No. 499.05(B), Class MS. Concrete Maximum Slump is 4" and Concrete Air Entrainment is 6% ($\pm 2\%$). Match existing concrete finish unless directed by the Engineer. Protect the concrete minimally with visqueen and barricade the area to prevent vandalism. Use Vinyl-Con concrete bag for washout (or approved equal). This item includes the disposal of all removed and excavated materials in accordance with the governing laws. Pre-pour inspection is required by the Building Department. Use East Jordan Iron Works or Neenah Foundry Cast Iron Detectable Warning Plates and Detectable Warning Panel shall be "Red Brick" in color.

Combination Curb and Gutter, Types 2, 3 & 4

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of the curb and gutter per ODOT Item No. 202. Assume gutter thicknesses will not exceed 8".

Concrete Curb, Type 2-A

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202.

Concrete Curb, Type 2-B

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202. Assume wearing course thicknesses will not exceed 3".

Concrete Curb, Type 3-A

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202.

Concrete Curb, Type 3-B

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202. Assume wearing course thicknesses will not exceed 3".

Concrete Curb, Type 4-A

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202.

Concrete Curb, Type 4-B

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202. Assume wearing course thicknesses will not exceed 3".

Concrete Curb, Type 4-C

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202.

Concrete Curb, Type 6

This work shall be performed in accordance with ODOT Item No. 609 and ODOT Standard Drawing BP-5.1. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202.

This work shall be performed in accordance with ODOT Item No. 609. The work shall also include saw cutting to the nearest joint, removal and disposal of existing curb per ODOT Item No. 202.

Monument Box/Valve Box Adjusted to Grade

This work shall be performed in accordance with ODOT Item No. 604 and ODOT Std. Dwg. BP-3.1 except as modified herein. The monument boxes shall be adjusted by removing the casting and resetting it in a bed of concrete mortar (no adjusting rings allowed). Extra care shall be taken not to disturb the survey pin. The Contractor is responsible to have an Ohio Registered Professional Surveyor reset any pins disturbed by his/her activities. The valve boxes shall be adjusted by adjusting the riser section as required (no adjusting rings allowed). This work shall be performed as directed by the Engineer.

Manhole Adjusted to Grade

This work shall be performed in accordance with ODOT Item No. 604 and ODOT Std. Dwg. BP-3.1 except as modified herein. The adjustment shall be performed by removing the top three courses of brick or adjusting rings to a depth of approximately 12" and replacing using brick or adjusting rings to provide a top of casting elevation flush with the finished grade of the new road. The Contractor shall be responsible to provide the layout necessary to reset the casting. Most of the manholes are constructed of either brick and/or precast

concrete and are essentially intact. At the precast concrete locations, only replace the manhole brick or adjusting rings down to the precast concrete (12" maximum). Provide street plates to protect all openings. Extra care shall be given to ensure that no debris, sediment, water inflow, and/or infiltration enter into the manhole. Also provide inlet protection as necessary to prevent sediment infiltration per ODOT Std. Dwg. DM-4.4. This work shall be performed as directed by the Engineer.

Catchbasin Adjusted to grade

This work is similar to the bid item titled "Manhole Adjusted to Grade" except as modified herein. The adjustment shall be performed by removing the top six courses of brick to a depth of approximately 2'. Most of the catchbasins are constructed of either brick or precast concrete. At the precast concrete locations, only replace the manhole brick or adjusting rings down to the precast concrete (2' maximum). Provide street plates to protect all openings. Also provide inlet protection as necessary to prevent sediment infiltration per ODOT Std. Dwg. DM-4.4. This work shall be performed as directed by the Engineer.

Precast Sanitary Manhole (various depths)

This work shall be performed in accordance with the Cuyahoga County Engineer's "Precast Concrete Manhole 42" pipe and smaller" and Cuyahoga County Engineers Construction and Materials documents. The total unit bid price for sanitary manholes shall include the furnishing and construction in place of manholes and inlet basins complete with the removal and disposal of the existing manhole; excavation; backfill; frame and solid cover; steps; concrete; steel reinforcement; lining materials; bricks; mortar; plastering; precast manhole sections; flexible joints; granular backfill under proposed or existing pavements, walks, existing drainage structures; disposal of all undesirable material; by-passing sewer flows; shoring; sewer stubs and plugs; connection of existing sewers to the structure; and chimney seal. Topsoil and seeding, concrete and asphalt pavement shall be included in the total unit price. All restored pavement edges shall be saw cut neat. The depth for the various manholes shall be measured from the invert of the lowest sewer protruding the manhole to the top of the casting.

Pavement Planing, Asphalt Concrete (Max. T=3")

This work shall be performed in accordance with ODOT Item No. 254 as directed by the Engineer or his designated representative.

Patching Planed Surface with Asphalt Concrete including Tack Coat (Max. T=3")

This item shall be performed in accordance with ODOT Item No. 254.

Pavement, Planing Gutter Grind T=1-1/4" x 2' Wide

This item of work shall be performed in accordance with ODOT Item No. 254 except as modified herein. This work shall be performed along the gutter line and around the perimeter of the catchbasins (3 sides) to improve drainage without excessively reducing the curb reveal and to provide a smooth gutter profile.

Patching Planed Surface with Asphalt Concrete with Tack Coat, T=1-1/4" x 2' Wide

This item of work shall be performed in accordance with ODOT Item No. 448 except as modified herein. This work shall be performed in conjunction with the pavement planing gutter grind. Included in this item is the cleaning of the existing planed joint using a power sweeper, followed by blowing out the area with compressed air. Also included, the application of ODOT Item No. 407 tack coat at 0.10 GAL/SY immediately followed by the installation of 1-1/4" thick ODOT Item No. 448 asphalt concrete surface course, PG 64-22, Type 2.

Pavement Planing, Deteriorated Joints, T=2" x 2' Wide

This item of work shall be performed in accordance with ODOT Item No. 254 except as modified herein. This work shall be performed in areas as directed by the Engineer where the pavement joints are deteriorated but a full-depth pavement replacement is not warranted.

Patching Planed Surface with Asphalt Concrete with Tack Coat, T=2" x 2' Wide

This item of work shall be performed in accordance with ODOT Item No. 448 except as modified herein. This work shall be performed in conjunction with the pavement planing of the deteriorated joints. Included in this item is the cleaning of the existing planed joint using a power sweeper, followed by blowing out the area with compressed air. Also included, the application of ODOT Item No. 407 tack coat at 0.10 GAL/SY immediately followed by the installation of 2" thick ODOT Item No. 448 asphalt concrete intermediate course, PG 64-22, Type 2.

Pavement Repair

This work shall be performed in accordance with ODOT Item No. 253 as directed by the Engineer or his designated representative. Saw cutting pavement edges shall be included. The pavement shall be placed in-kind with a minimum asphalt surface course of 1-1/4" thick.

Catchbasin No. 2-2B

This work shall be performed in accordance with ODOT Item No. 604 and ODOT Std. Dwg. CB-1.1 except as modified herein. This work INCLUDES removal and disposal of the existing catchbasin in accordance with ODOT Item No. 202. The Contractor is responsible to survey existing entrance and exiting flow lines to maintain positive drainage to the storm sewer main. This work shall also include the frame and bicycle friendly grate and surrounding concrete apron.

Catchbasin No. 3

This work shall be performed in accordance with ODOT Item No. 604 and ODOT Std. Dwg. CB-2.1 except as modified herein. This work INCLUDES removal and disposal of the existing catchbasins in accordance with ODOT Item No. 202. The Contractor is responsible to survey existing entrance and exiting flow lines to maintain positive drainage to the storm sewer main. This work shall also include the frame and bicycle friendly grate and surrounding concrete apron.

4" Diameter Underdrains:

This work shall be performed in accordance with ODOT Item No. 605 and ODOT Standard Drawing DM-1.2 except as modified herein. Use No.8 natural washed gravel for bedding and backfill, no slag or recycled material allowed. Use 4" diameter perforated ADS N-12 pipe without sock (or approved equal). Connection(s) of the underdrains to the appropriate catchbasin shall be included. Connecting to the existing underdrain and catchbasin is to also be included. The underdrain shall be installed to provide positive drainage towards the catchbasin. Existing edge drains may exist along the back of the curb. This item includes the removal and disposal of any existing edge drains. Bedrock and/or cemented bases may be encountered during the installation, thus the Contractor shall include their removal in the unit price (i.e. no change orders or extra work orders will be granted). This item includes site restoration to restore disturbed areas in-kind.

Aggregate Drains

This item of work shall be performed in accordance with ODOT Item No. 605 except as modified herein. The work shall be all-inclusive of the necessary items needed to install aggregate drains including but not limited to: saw cutting the existing pavement, 12" wide pavement removal, excavation of trench (minimum 8 inches below existing aggregate base subbase) to provide positive drainage to the edge drains and/or catch basins, hauling away excavations (pavement, bedrock and/or soil), installing geofabric ODOT Item No. 712.09 Type A at the base and excavated walls, backfill with natural No. 57 crushed limestone, and compaction. Pavement will be placed in-kind and paid separately depending on pavement type. The aggregate drains are to be installed across the roadway (i.e., from edge drain to edge drain) as directed by the Engineer or his representative.

12" and under conduit Type D, Type 707.42 Drive Pipes

This work shall be performed in accordance with ODOT Item No. 603.

Detector Loop

This item of work shall be performed in accordance with ODOT Item No. 632.11 except as modified herein. This item is to be used where the loop detector will be disturbed by the work. The existing detector loop will be removed and is to be replaced in-kind. The Contractor shall be responsible to replace the necessary components and assure the loop detector is properly programmed and functioning.

Additional Requirements

Contractors awarded work will be required to begin the field work within fifteen (15) days of notice.

Prior to beginning any awarded work, the successful Contractor(s) will be required to provide the following: insurance coverages, insurance certificate naming The City of Seven Hills additionally insured, valid workers compensation certificate, and Contractor's drug free workplace certificate or policy. Please only use the attached bid form only. Facsimiles are acceptable via fax (216) 525-6278. All staging areas must be pre-approved by the City prior to work.

ODOT Item	Unit	DESCRIPTION	MIN. QUANTITY PER ORDER	TOTAL UNIT PRICE
RIGID PAVEMENTS				
254	SQ.YD	PAVEMENT PLANING, PORTLAND CEMENT CONCRETE (MAX. T=3")	25	
255	SQ.YD	CONCRETE DRIVEWAY APRON REMOVAL AND REPLACEMENT, T=6", FIBERMESH REINFORCED, CLASS MS	20	
255	SQ.YD	7" FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS FS (FIBERMESH)	100	
255	SQ.YD	7" FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS MS (FIBERMESH)	100	
255	SQ.YD	8" FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS FS (FIBERMESH)	100	
255	SQ.YD	8" FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS MS (FIBERMESH)	100	
SPECIAL	SQ.YD	FULL DEPTH WHITETOPPING REMOVAL AND REPLACEMENT, CLASS MS (FIBERMESH)	16	
512	FT	CONCRETE REPAIR BY EPOXY INJECTION	10	
256	SQ.FT	BONDED PATCHING OF PORTLAND CEMENT CONCRETE, TYPE C	100	
SUBGRADE COMPACTION & REMEDIATION				
204	SQ.YD	SUBGRADE COMPACTION	25	
SPECIAL	SY.YD	6" UNDERCUT & 6" ODOT ITEM NO. 304 NATURAL LIMESTONE AGGREGATE BASE	100	
SPECIAL	SY.YD	12" UNDERCUT, TENSAR TRIAX TX140, 12" ODOT ITEM NO. 304 NATURAL LIMESTONE AGGREGATE BASE	25	
SPECIAL	SY.YD	18" UNDERCUT, TENSAR BX-1300, 12" Nos. 1 & 2 NATURAL LIMESTONE, 6" NO. 304 NATURAL LIMESTONE AGGREGATE BASE	25	
CURBS, SIDEWALKS AND CURB RAMPS				
608	SQ.FT	4" THICK FIBERMESH CONCRETE SIDEWALK, CLASS MS	50	
608	EACH	CURB RAMP WITH TRUNCATED DOMES (ALL TYPES PER BP-7.1)	2	
609	FT	COMBINATION CURB AND GUTTER, TYPES 2, 3, & 4	50	
609	FT	CONCRETE CURB, TYPE 2-A	50	
609	FT	CONCRETE CURB, TYPE 2-B	50	
609	FT	CONCRETE CURB, TYPE 3-A	50	
609	FT	CONCRETE CURB, TYPE 3-B	50	
609	FT	CONCRETE CURB, TYPE 4-A	50	
609	FT	CONCRETE CURB, TYPE 4-B	50	
609	FT	CONCRETE CURB, TYPE 4-C	50	
609	FT	CONCRETE CURB, TYPE 6	50	

STRUCTURES ADJUSTED TO GRADE			
604	EACH	MONUMENT BOX/VALVE ADJUSTED TO GRADE	1
604	EACH	MANHOLE ADJUSTED TO GRADE	1
604	EACH	CATCHBASIN ADJUSTED TO GRADE	1
SANITARY WORK			
SPECIAL	EACH	PRECAST SANITARY MANHOLE (5' to 10' DEEP)	1
SPECIAL	EACH	PRECAST SANITARY MANHOLE (10' to 15' DEEP)	1
SPECIAL	EACH	PRECAST SANITARY MANHOLE (15' to 20' DEEP)	1
FLEXIBLE PAVEMENTS			
254	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE (MAX. T=3")	100
254	SQ YD	PATCHING PLANED SURFACE WITH ASPHALT CONCRETE INCLUDING TACK COAT (MAX. T=3")	100
254	FOOT	PAVEMENT PLANING, GLITTER GRIND, T=1-1/4" x 2' WIDE	100
254	FOOT	PATCHING PLANED SURFACE WITH ASPHALT CONCRETE INCLUDING TACK COAT T=1-1/4" x 2' WIDE	100
254	FOOT	PAVEMENT PLANING, DETERIORATED JOINTS, T=2" BY 2' WIDE	100
254	FOOT	PATCHING PLANED SURFACE WITH ASPHALT CONCRETE INCLUDING TACK COAT T=2" x 2' WIDE	100
253	CU YD	PAVEMENT REPAIR	100
DRAINAGE & EDGEDRAINS			
604	EACH	CATCHBASIN NO. 2-2B	5
604	EACH	CATCHBASIN NO. 3	5
605	FOOT	4" DIAMETER UNDERDRAINS	25
605	FT	AGGREGATE DRAINS	25
603	FOOT	12" AND UNDER CONDUIT, TYPE D, TYPE 707.42 DRIVE PIPES	20
MAINTENANCE OF TRAFFIC			
632	EACH	DETECTOR LOOP	1

*The Contractor affirms that the submitted total unit prices are in accordance with the Request for Bid and Prices to Include and Specifications.

Contractor: _____

*Signature: _____

Print Name & Title: _____

Date: _____