

RESOLUTION NO. 25-16
CITY OF CENTERVILLE, OHIO

SPONSORED BY COUNCILMEMBER Bill Serr ON THE 28th
DAY OF March, 2016

A RESOLUTION ACCEPTING THE BID SUBMITTED
BY R. B. JERGENS INC. OF VANDALIA, OHIO FOR
THE WILMINGTON PIKE PHASE II ROADWAY
IMPROVEMENTS (PROJECT SS-15) AND
AUTHORIZING THE CITY MANAGER TO ENTER
INTO A CONTRACT IN CONNECTION THEREWITH.

WHEREAS, the City of Centerville advertised for bids for the Wilmington Pike Phase II Roadway Improvements according to specifications prepared by the City, and

WHEREAS, **R. B. Jergens, Inc., of Vandalia, Ohio**, was the low and best bidder.

NOW, THEREFORE, THE MUNICIPALITY OF CENTERVILLE
HEREBY RESOLVES:

Section 1. That the bid submitted by **R. B. Jergens, Inc., of Cincinnati, Ohio** for the Wilmington Pike Phase II Roadway Improvements (Project SS-15), is hereby accepted in the amount of \$2,431,644.32. A copy of the bid is attached hereto and incorporated herein as Exhibit "A". The City Manager is hereby authorized to expend up to an additional \$243,164.00 for additional work if necessary, making the total amount approved \$2,674,808.32.


Section 2. That the City Manager is hereby authorized to do all things necessary to execute a contract with **R.B. Jergens, Inc., of Vandalia, Ohio**, as stated above.

Section 3. This resolution shall become effective at the earliest date allowed by law.

PASSED this 28th day of March, 2016.


Mayor, City of Centerville, Ohio

ATTEST:


Clerk of Council, City of Centerville, Ohio

CERTIFICATE

The undersigned, Clerk of the Council of the City of Centerville, Ohio hereby certifies that the foregoing is a true and correct copy of Resolution Number 25-16 passed by the Council of the City of Centerville, Ohio on the 28th day of March, 2016.


Clerk of Council

Approved as to form, consistency
with existing ordinances, the
Charter and Constitutional Provisions.

Department of Law
Scott A. Liberman
Municipal Attorney

BIDDER'S PROPOSAL

Wilmington Pike Phase II Roadway Improvements

Submitted by: R. B. Jergens Contractors, Inc.

Having read the specifications and examined the drawings included herein:

**Wilmington Pike Phase II Roadway Improvements
City of Centerville, Ohio**

for the construction of said project in Centerville, Ohio, and having also taken into account all addenda issued, the undersigned hereby propose to furnish all materials and to perform all labor, as specified and described in the said Specifications and as shown in the Plans for the said work, for the following sums:

A. STATEMENT BY ALL BIDDERS:

The receipt of the following Addenda to the Contract Document (drawings and specifications) is hereafter acknowledged.

Addenda No. 1 Date 3/17/16Addenda No. 2 Date 3/18/16

Addenda No. _____ Date _____

B. COMPLETION DATE INFORMATION

The bid price reflected above represents a completion date of **March 31, 2017**. An interim completion date for all final pavement and pavement markings shall be **November 1, 2016** in accordance with ODOT Item 401 specification.

C. CONTRACT PREPARATION INFORMATION

The bidder shall supplement proposal by supplying the following information for use in the preparation of the Contract.

NAME OF COMPANY/CORPORATION: R. B. Jergens Contractors, Inc.NAME OF PRESIDENT: William JergensADDRESS: 11418 N. Dixie DriveCITY, STATE, ZIP: Vandalia, OH 45377

FEDERAL TAX I.D. #: _____

TELEPHONE #: 937-669-9799FAX #: 937-669-0301E-MAIL: andy.shaffer@rbjergens.com (Andy Shaffer, Estimator)

D. EXECUTION OF PROPOSAL

NOTE: Failure to sign proposal shall result in rejection of bid.

THIS PROPOSAL SUBMITTED BY: R. B. Jergens Contractors, Inc.

(NAME OF CONTRACTOR)

BY: 

(SIGNATURE OF CONTRACTOR OR AUTHORIZED REPRESENTATIVE)

Vic Roberts, P.E., Vice President

(PRINTED NAME AND TITLE)

DATE: 3/23/16

Contact person for Contract processing: Rhonda Rhoades, Office Manager

Mailing address if different from above: _____



Brooks A. Compton, Mayor
Gregory B. Horn, City Manager

March 17, 2016

**RE: Addendum #1 - Amendment to City of Centerville, Ohio
Wilmington Pike Phase II Roadway Improvements**

To All Bidders:

Addendum

- **Replace Section 1 – Page 11-13 of 20 with revised Section 1 – Page 11-13 of 20 (Addendum #1)**
 - Changes were made to Item 4.1- Performance Bond and Item 4.4- Liability Insurance, to include the State of Ohio, Department of Transportation as additionally bonded and insured.

- **Replace Attachments - Page 8-15 of 21 (3-9-16) with revised Attachments - Page 8-15 of 21 (Addendum #1).**
 - Reference Number 53, Specification Number 625, Conduit, 2" 725.05: *changed* 725.04 to 725.05.
 - Reference Number 56, Specification Number 625, Conduit, Jacked or Drilled, 725.04: *changed* 725.05 to 725.04.
 - Reference Number 59, Specification Number 625, Pull Box, 725.08, 24": *changed* quantity from 2 to 3.
 - Reference Number 133, Specification Number 625, Conduit, 3", 725.05: *changed* 725.04 to 725.05.
 - Reference Number 139, Specification Number 625, Pull Box, 725.08, 18": *changed* quantity from 2 to 4.
 - Reference Number 201, Specification Number 625, Conduit, 2", 725.05: *changed* 725.04 to 725.05.
 - Reference Number 207, Specification Number 625, Conduit, 2", 725.05: *changed* 725.04 to 725.05.
 - Reference Number 187, Specification Number 638, 8" AWWA C 151, Class 51 Ductile Iron, Restrained Joint, Polywrapped Pipe: *changed* unit from Each to Feet.
 - Reference Number 188, Specification Number 638, Anchor Pipe for Fire Hydrants, 8" AWWA C 151, Class 53 Ductile Iron, Polywrapped Pipe: *changed* unit from Each to Feet.
 - Reference Number 193, Specification Number 638, Meter, Setting, Stop, Chamber: Revised description and quantity. *changed* from Temporary Service to new service.

- Reference Number 195, Specification Number 638, 1" Copper Service Branch: *changed* description from 3/4" to 1" service line.
- Replace Plan Sheet - 115 with revised Plan Sheet-115 (dated 3/16/16).
 - *Change* 4" jacked or drilled conduit between pull box B12 and B13 from 4" to 2", item 725.04
- Replace Plan Sheet - 121 with revised Plan Sheet-121 (dated 3/16/16).
 - *Change* 2" conduit between I-675 and Feedwire Road from item 725.04 to 725.05.
- Replace Plan Sheet – W9 with revised Plan Sheet-W9 (dated 3/17/16).
 - *Add* 1" Service along Whipp Road (Carwash)
 -
- Clarification Plan Sheet 48 to "Note - The proposed new signal controller and cabinet shown at Station 20+31.7, 90' R on the signal plan sheet will need to be installed and wired to all existing and temporary signal equipment prior to the existing controller being removed." The intent of this note is to ensure that the signal is operational for all phases of the construction while providing the lane configuration in the MOT plans, the existing controller cabinet will need to be removed from its existing location. This might require use of existing cabinet in a temporary location or a temporary cabinet.
- Clarification Plan Sheets – W1-W9 Montgomery County Environmental requires restrained joints as noted either side of the water line relocations.
- Clarification Plan Sheets – W4 Montgomery County Environmental Service (MCES) will be providing a jump for the water service to the Speedway at the corner of Whipp Road and Wilmington Pike during the waterline relocation. Contractor shall coordinated with MCES to ensure continuous water service to the business.
- Clarification Attached cut sheet shows additional Vectren gas lowering in the Whipp Road intersection to be completed by others during construction.

Acknowledgment

Ensure bid submittal contains Attachments – Pages 8-15 of 21 (Addendum #1). Failure to do this may result in the disqualification of your bid. Also, acknowledgement of Addendum #1 on Attachment page 6 is required.

In addition, please confirm receipt of this Addendum upon receipt to...

Email: jbrinegar@centervilleohio.gov

Fax: 937-433-0286

- 3.1 **PARTIAL PAYMENTS:** Not more than one (1) payment per month will be made on this Contract by the City of Centerville. A 6% retainer shall be withheld by the City from each payment until the job is complete. Close coordination of requests for payment will be required to minimize any delay in payments for work completed. Certified payroll reports must be submitted for the period of work in the partial payment request before payment is made. Payment will be made upon full attainment of item specification. At the discretion of the City Engineer, lump sum items partially completed may be paid pro-rata. The contractor will not be reimbursed for stored materials unless otherwise stated.
- 3.2 **FINAL PAYMENT:** One final payment shall be made to the Contractor within 31 days after all work is completed and accepted by the City and after all provisions are complied with as outlined in the contract. An invoice shall be submitted to and certified as correct by the City Engineer. The Contractor will be required to sign the Contractor's Affidavit of Compliance with Prevailing Wages on the form attached herein, and have the same properly notarized. Refer to 4.2 and 4.3 below for Work Guarantee and Maintenance Bond requirements.
- 3.3 **OVERTIME:** If contractor chooses to work on weekends, holidays, before or after hours, he shall so notify the City 48 hours in advance. Unless compelling reasons exist, permission for such work will be given; however, the Contractor may be required to pay the City for the Inspector's overtime at the **actual current rate**. Work requiring Montgomery County inspection requires direct coordination with Montgomery County including all overtime arrangements.
- 3.4 **PREVAILING WAGE:** The contract between the City and the successful bidder shall contain a statement requiring that mechanics, laborers and operators be paid prevailing rate of wage as required in Section 4115.06 of the Ohio Revised Code. The Contractor shall be responsible for submitting to the City its required payroll reports. Payroll reports must be submitted to the City for the work period in which the partial payment is requested or payment will be withheld. The contractor or subcontractor is required to file with the City of Centerville upon completion of the project and prior to the final payment therefor, an affidavit stating he has complied with Chapter 4115 of the Ohio Revised Code. Current Prevailing Wage Rate Information is included herein.
- 3.5 **TAX EXEMPTION:** The Contractor will furnish a sales tax exemption certificate for completion by the City of Centerville, Ohio.

4.00 BONDING AND INSURANCE

- 4.1 **PERFORMANCE BOND:** The successful bidder shall be required to post a performance bond in an amount equal to 100% of the total contract price, naming the City of Centerville and the Ohio Department of Transportation as obliges. The performance bond shall be executed by the Contractor and approved surety company authorized to do business in Ohio. The American Institute of Architects (AIA) performance bond is NOT an acceptable document. If, at any time after execution and approval of this Contract and the Performance Bond required by the Contract Documents, the City of Centerville should deem any of the sureties upon such bond to be unsatisfactory or if, for any reason, such bond shall cease to be adequate surety for the City of Centerville, the Contractor shall within five days after notice of the City of Centerville to do so, furnish a new or additional bond, in form, sum and signed by such sureties as shall be

satisfactory to the City of Centerville. No further payment shall be deemed due nor made to the Contractor unless and until such new or additional bond shall be furnished and approved.

- 4.2 **WORK GUARANTEE:** The Contractor shall guarantee all work for a period of one year from the date set forth in the certificate of completion against defects resulting from the use of inferior materials, equipment or workmanship. A six percent (6%) retainer held by the City shall be used as a Maintenance Bond. The Contractor will be required during the life of this guarantee to make all repairs or changes in the guaranteed work, which in the opinion of the Engineer, are necessary as the result of the use of materials, equipment or workmanship which are inferior, defective or not in accordance with the terms of the contract. The contractor shall promptly, upon receipt of notice from the City, remove and replace all unsatisfactory work with suitable material and equipment. An inspection of the entire job will be made eleven (11) months after the last and final payment and if no corrections are needed, then the 6% retainer becomes payable at the end of the twelve (12) months time period.
- 4.3 **MAINTENANCE BOND:** If the Contractor prefers to give a Maintenance Bond, in lieu of the retained percentage, same may be given, provided it is executed in form as prescribed herein, designated "Improvement Maintenance Bond". Same shall be executed by the Contractor and approved surety company authorized to do business in Ohio.
- 4.4 **LIABILITY INSURANCE:** The Contractor shall procure and furnish a certificate of insurance showing that he is keeping in full force and effect during the term of this contract a Liability Insurance policy containing a Contractual Liability Coverage Endorsement covering his operations and his assumed liability with the City of Centerville, Ohio, and State of Ohio, Department of Transportation, being named as an additional Insured, providing protection against claims arising out of the performance of this Contract, or in any way connected therewith, in an amount of One Million Dollars (\$1,000,000) for any one person injured in any accident and with a total liability of Five Million Dollars (\$5,000,000) for all persons injured in any one accident, and the amount of One Million Dollars (\$1,000,000) for each accident as compensation for damage caused to property of others. In addition to furnishing the insurance coverage described above, the Contractor shall produce satisfactory evidence to the City before starting any work under this contract that all of his employees are protected by Workman's Compensation under and in accordance with the laws of the State of Ohio, and shall make all premium payments promptly so as to maintain such protection in full force and effect during the term of the Contract.

5.00 LIQUIDATED DAMAGES

- 5.1 **FAILURE TO PERFORM WORK PER CONTRACT:** Work performed deficient of the contract and its intent will be required to be corrected (if possible) or payment may be fully or partially withheld, at the discretion of the City Engineer. The contractor shall perform the required work within the timeframes specified. Work performed outside of the timeframes specified will cause the contractor to be charged at the rate of \$1,500 per day. The amount shall be deducted from any money due the Contractor.
- 5.2 **FAILURE TO COMPLETE WORK:** The contractor shall complete the work on or before the Completion Date. For any delay beyond the completion date of this contract not approved by the City, the Contractor shall be charged at the rate of \$1,500 per day as liquidated damages. The amount shall be deducted from any money due the Contractor.

- 5.3 **INSPECTION AND MATERIALS TESTING:** The contractor is required to work closely with the inspector concerning the scheduling of work items. A 24-48 hour notice is required to allow the inspector and materials testing firm an opportunity to schedule their time onsite. If the inspector is not notified of a significant work item, the City may require the work to be redone at the contractor's expense. If the work to be inspected and/or tested is delayed and the contractor does not properly notify the inspector, the City will subtract the value of wasted time of the inspector and/or material testing firm from the total contract fee.
- 5.4 **TRAFFIC CONTROL:** If traffic control, or signage, is not maintained, each instance of non-compliance will result in a \$100 deduction from the total contract fee.
- 5.4 **PROFESSIONAL WORK ETHIC:** Contractor is to maintain a professional work ethic on the project as they are seen by the public as an extension of the City of Centerville. This includes communications, attitude, as well as maintaining a clean work site free of trash and debris. Each instance of non-compliance may result in a \$100 deduction from the total contract fee, or other appropriate action.
- 5.5 **DISPOSAL OF MATERIALS:** If the contractor fails to properly dispose of materials as cited above, the City will deduct three (3) times the cost to the City to dispose of the materials from the total contract price.



Brooks A. Compton, Mayor
Gregory B. Horn, City Manager

March 18, 2016

**RE: Addendum #2 - Amendment to City of Centerville, Ohio
Wilmington Pike Phase II Roadway Improvements**

To All Bidders:

Addendum

- **Addition Section 3 - Supplemental Specifications-** The following note is being added to the supplemental specifications along with a change to the unit price bid items.
 - **"Item 611 Piping/Conduits and related Work, As Per Plan -** This item shall consist of the work described in Ohio Department of Transportation Item 611, Pipe Culverts, Sewers, Drains and Drainage Structures, Except as Herein Modified.
 - All Pipe Culverts, Conduits, Sewers, Drains, and Drainage Structures Shall Meet the Material Requirements of This Item. The Following Items Will Not be Required Unless Otherwise Noted:
 - Installation Plan
 - Construction Inspection Forms
 - Performance Inspection and Reports
 - Conduit Structure Evaluations
 - The Installation of all Pipe Culverts, Conduits, Sewers Drains, and Drainage Structures Shall be per Manufactures Recommendations or as Noted on the Plans. The Contractor Shall be Required to Maintain High Standard of Work. Contractor is Responsible to Ensure all Work is Performed in Accordance with Manufacturer's Recommendations or as Noted on the Plans. Contractor shall also Ensure That all Items are Fully and Properly Functional, and to a Quality Acceptable by the Owner
- **Replace Attachments - Page 3 of 21 with revised Attachments - Page 3 of 21 (Addendum #2).**
 - The State of Ohio Department Transportation as additionally insured.
- **Replace Attachments - Page 8-15 of 21 (Addendum #1) with revised Attachments - Page 8-15 of 21 (Addendum #2).**
 - Reference Number 28-37, Specification Number 611, changed to "as per plan".
- **Replace Plan Sheet – W9(dated 3/17/16). with revised Plan Sheet-W9 (dated 3/18/16).**

- o **Add 2" Service along Whipp Road (Carwash);** The water service to this business must be maintained at all times. Minimal interruption to business is allowed. Cost for this work shall be included in this Item 638, "2" Copper Service Branch".

Acknowledgment

Ensure bid submittal contains Attachments – Pages 3 & 8-15 of 21(Addendum #2). Failure to do this may result in the disqualification of your bid. Also, acknowledgement of Addendum #1 & #2 on Attachment page 6 is required.

In addition, please confirm receipt of this Addendum upon receipt to...

Email: jbrinegar@centervilleohio.gov

Fax: 937-433-0286

UNIT PRICE SHEET

PROJECT: Wilmington Pike Phase II Roadway Improvements

PROJECT NUMBER:SS-15

THE CITY OF CENTERVILLE MATERIAL AND CONSTRUCTION SPECIFICATIONS ARE PART OF THIS PROPOSAL AND MAY BE REFERENCED FOR A MORE COMPLETE DESCRIPTION OF THE ITEMS LISTED. RETURN ONE (1) FILLED-IN COPY OF PROPERLY SIGNED PROPOSAL TOGETHER WITH THE EXECUTED FORMS.

Base Bid - Local Funding Project						
REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
ROADWAY						
1	201	CLEARING AND GRUBBING	1	LS	\$8,570.00	\$8,570.00
2	202	PAVEMENT REMOVED	8,410	SY	\$7.55	\$63,495.50
3	202	WALK REMOVED	5,534	SF	\$0.90	\$4,980.60
4	202	TRAFFIC ISLAND REMOVED	786	SY	\$10.40	\$8,174.40
5	202	CURB REMOVED	2,536	LF	\$2.30	\$5,832.80
6	202	CURB AND GUTTER REMOVED	1,600	LF	\$2.95	\$4,720.00
7	202	PIPE REMOVED, 24" AND UNDER	838	LF	\$23.00	\$19,274.00
8	202	MANHOLE REMOVED	2	EACH	\$598.50	\$1,197.00
9	202	CATCH BASIN REMOVED	13	EACH	\$531.00	\$6,903.00
10	203	EXCAVATION	8,115	CY	\$13.70	\$111,175.50
11	203	EMBANKMENT	5,080	CY	\$5.30	\$26,924.00
12	204	SUBGRADE COMPACTION	15,506	SY	\$1.35	\$20,933.10
13	254	PAVEMENT PLANING	19,652	SY	\$2.40	\$47,164.80
14	608	4" CONCRETE WALK	6,546	SF	\$4.65	\$30,438.90
15	608	CURB RAMP, ODOT TYPE A2	184	SF	\$8.95	\$1,646.80
16	608	CURB RAMP, PER CITY OF CENTERVILLE	492	SF	\$20.70	\$10,184.40
17	609	CURB & GUTTER, TYPE 2	918	LF	\$14.75	\$13,540.50
18	609	CURB, TYPE 6	7,124	LF	\$13.10	\$93,324.40
19	609	6" CONCRETE ISLAND	238	SY	\$68.65	\$16,338.70
20	861	TENSAR GEOGRID FOR SUBGRADE STABILIZATION	12,372	SY	\$3.75	\$46,395.00
EROSION CONTROL						
21	659	SEEDING AND MULCHING	11,944	SY	\$0.80	\$9,555.20
22	659	FERTILIZER	15	TON	\$528.50	\$7,663.25
23	659	WATER	580	MGAL	\$1.05	\$609.00
24	659	TOPSOIL	1,991	CY	\$47.60	\$94,771.60
25	832	EROSION CONTROL	10,000	EACH	\$1.00	\$10,000.00

REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
DRAINAGE						
26	602	CONCRETE MASONRY	1	CY	\$2,077.00	\$2,077.00
27	605	6" SHALLOW PIPE UNDERDRAINS	3,935	LF	\$6.55	\$25,774.25
28	611	12" CONDUIT, TYPE B, AS PER PLAN	1,691	LF	\$58.90	\$99,599.90
29	611	15" CONDUIT, TYPE B, AS PER PLAN	215	LF	\$72.55	\$15,598.25
30	611	18" CONDUIT, TYPE B, AS PER PLAN	380	LF	\$77.85	\$29,583.00
31	611	24" CONDUIT, TYPE B, AS PER PLAN	10	LF	\$325.00	\$3,250.00
32	611	SLOTTED DRAIN, TYPE 1, AS PER PLAN	29	LF	\$176.50	\$5,118.50
33	611	CATCH BASIN, NO. 3A, AS PER PLAN	18	EACH	\$2,021.00	\$36,378.00
34	611	CATCH BASIN, NO. 2-2B, AS PER PLAN	1	EACH	\$1,341.00	\$1,341.00
35	611	CATCH BASIN, CENTERVILLE DRIP TYPE, AS PER PLAN	1	EACH	\$1,928.00	\$1,928.00
36	611	CATCH BASIN, RECONSTRUCT TO GRADE, AS PER PLAN	2	EACH	\$1,997.00	\$3,994.00
37	611	MANHOLE, NO. 3, AS PER PLAN	12	EACH	\$2,218.00	\$26,616.00
38	611	MANHOLE, ADJUST TO GRADE	2	EACH	\$641.00	\$1,282.00
39	611	MANHOLE, RECONSTRUCT TO GRADE	3	EACH	\$2,495.00	\$7,485.00
PAVEMENT						
40	301	ASPHALT CONCRETE BASE, PG64-22	2,582	CY	\$113.00	\$291,766.00
41	304	AGGREGATE BASE	4,737	CY	\$36.15	\$171,242.55
42	407	TACK COAT	830	GAL	\$2.70	\$2,241.00
43	407	TACK COAT FOR INTERMEDIATE COURSE	2,256	GAL	\$2.70	\$6,091.20
44	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22	13	CY	\$339.00	\$4,407.00
45	442	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), PG70-2	1,671	CY	\$156.00	\$260,676.00
46	448	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	41	CY	\$167.00	\$6,847.00
47	448	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-28	583	CY	\$134.50	\$78,413.50
48	452	8" NON-REINFORCED CONCRETE PAVEMENT, QC1	201	SY	\$73.80	\$14,833.80
LIGHTING						
49	625	LIGHT POLE FOUNDATION	1	EACH	\$2,060.00	\$2,060.00
50	625	CONNECTION, FUSED PULL APART	3	EACH	\$79.55	\$238.65
51	625	CONNECTION, UNFUSED PULL APART	3	EACH	\$83.80	\$251.40
52	625	1-1/2" DUCT CABLE WITH THREE No. 4 AWG 5000 VOLT CABLES	315	LF	\$6.80	\$2,142.00
53	625	CONDUIT, 2", 725.05	641	LF	\$2.55	\$1,634.55
54	625	CONDUIT, 3", 725.04	15	LF	\$15.85	\$237.75

REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
55	625	CONDUIT, 4", 725.05	83	LF	\$6.25	\$518.75
56	625	CONDUIT, JACKED OR DRILLED, 725.04	222	LF	\$45.05	\$10,001.10
57	625	TRENCH	1,054	LF	\$6.90	\$7,272.60
58	625	PULL BOX, 725.08, 18"	3	EACH	\$625.50	\$1,876.50
59	625	PULL BOX, 725.08, 24"	3	EACH	\$795.50	\$2,386.50
60	625	PULL BOX, RELOCATE	1	EACH	\$530.50	\$530.50
61	625	GROUND ROD	1	EACH	\$191.00	\$191.00
62	625	REMOVE AND REERECT EXISTING LIGHT POLE, AS PER PLAN	1	EACH	\$567.50	\$567.50
63	625	PLASTIC CAUTION TAPE	1,054	LF	\$0.20	\$210.80
64	625	LIGHT POLE FOUNDATION REMOVED	1	EACH	\$376.50	\$376.50
MAINTENANCE OF TRAFFIC						
65	202	PAVEMENT REMOVED	623	SY	\$7.90	\$4,921.70
66	614	MAINTAINING TRAFFIC	1	LS	\$36,600.00	\$36,600.00
67	614	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	20	HR	\$68.75	\$1,375.00
68	*614	BUSINESS ENTRANCE SIGN, AS PER PLAN	15	EACH	\$105.50	\$1,582.50
69	614	WORK ZONE SIGN SUPPORT	1,144	LF	\$4.25	\$4,862.00
70	614	WORK ZONE LANE LINE, CLASS I	2	MILE	\$195.50	\$318.27
71	614	WORK ZONE LANE LINE, CLASS III, 642 PAINT	2	MILE	\$190.50	\$317.18
72	614	WORK ZONE CENTER LINE, CLASS I	1	MILE	\$470.50	\$417.80
73	614	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	0	MILE	\$465.00	\$22.09
74	614	WORK ZONE EDGE LINE, CLASS I	2	MILE	\$317.00	\$633.68
75	614	WORK ZONE EDGE LINE, CLASS III 642 PAINT	0	MILE	\$312.00	\$29.27
76	614	WORK ZONE CHANNELIZING LINE, CLASS I	7,816	LF	\$0.50	\$3,908.00
77	614	WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT	4,860	LF	\$0.40	\$1,944.00
78	614	WORK ZONE DOTTED LINE, CLASS I	1,312	LF	\$0.40	\$524.80
79	614	WORK ZONE DOTTED LINE, CLASS III, 642 PAINT	701	LF	\$0.35	\$245.35
80	614	WORK ZONE DOTTED LINE, CLASS III, 642 PAINT (DASHED)	806	LF	\$0.30	\$241.80
81	614	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT	225	LF	\$1.85	\$416.25
82	614	WORK ZONE STOP LINE, CLASS I	218	LF	\$2.10	\$457.80
83	614	WORK ZONE STOP LINE, CLASS III, 642 PAINT	207	LF	\$2.00	\$414.00
84	614	WORK ZONE CROSSWALK LINE, CLASS I	945	LF	\$1.60	\$1,512.00
85	614	WORK ZONE CROSSWALK LINE, CLASS III, 642 PAINT	920	LF	\$1.50	\$1,380.00

REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
86	614	WORK ZONE ARROW, CLASS III, 642 PAINT	45	EACH	\$47.60	\$2,142.00
87	614	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	623	SY	\$66.65	\$41,522.95
88	616	WATER	4	MGAL	\$143.50	\$574.00
89	630	SIGN, FLAT SHEET	519	SF	\$6.35	\$3,298.06
90	630	COVERING OF SIGN	18	SF	\$3.15	\$56.70
91	632	SIGNALIZATION, MISC. TEMPORARY TRAFFIC SIGNAL	1	LS	\$16,965.00	\$16,965.00
92	642	REMOVAL OF PAVEMENT MARKING	11,286	LF	\$1.30	\$14,671.80
93	642	REMOVAL OF PAVEMENT MARKING	17	EACH	\$52.85	\$898.45
TRAFFIC CONTROL						
94	620	REMOVAL OF DELINEATOR	34	EACH	\$21.15	\$719.10
95	621	RAISED PAVEMENT MARKING	210	EACH	\$21.15	\$4,441.50
96	621	RAISED PAVEMENT MARKING REMOVAL	106	EACH	\$43.95	\$4,658.70
97	625	GROUND ROD	3	EACH	\$191.00	\$573.00
98	630	GROUND MOUNTED SIGN SUPPORT, NO. 3 POST	390	SF	\$12.70	\$4,953.00
99	630	SIGN, FLAT SHEET	303	SF	\$16.90	\$5,121.88
100	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	21	EACH	\$15.85	\$332.85
101	630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	23	EACH	\$21.15	\$486.45
102	630	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND REERECTION	1	EACH	\$317.00	\$317.00
103	630	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION	1	EACH	\$423.00	\$423.00
104	630	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	1	EACH	\$185.00	\$185.00
105	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	2	EACH	\$1,124.00	\$2,248.00
106	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6x9	35	LF	\$26.50	\$927.50
107	630	OVERHEAD SIGN SUPPORT, TYPE TC-16 21, DESIGN 14	3	EACH	\$9,110.00	\$27,330.00
108	630	SIGN ATTACHMENT ASSEMBLY	2	EACH	\$476.00	\$952.00
109	630	SIGN HANGER ASSEMBLY, MAST ARM	16	EACH	\$291.00	\$4,656.00
110	630	SIGN, OVERHEAD EXTRUSHEET	72	SF	\$22.20	\$1,598.40
111	630	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	3	EACH	\$1,336.00	\$4,008.00
112	644	EDGE LINE, 4"	0	MILE	\$2,115.00	\$190.35
113	644	LANE LINE, 4"	2	MILE	\$925.00	\$1,544.75
114	644	CENTER LINE	0	MILE	\$3,965.00	\$198.25
115	644	CHANNELIZING LINE, 8"	4,860	LF	\$1.05	\$5,103.00
116	644	STOP LINE	207	LF	\$4.50	\$931.50

REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
117	644	CROSSWALK LINE	920	LF	\$2.40	\$2,208.00
118	644	TRANSVERSE/DIAGONAL LINE	225	LF	\$4.25	\$956.25
119	644	ISLAND MARKING	14	SF	\$2.40	\$33.60
120	644	LANE ARROW	45	EACH	\$68.75	\$3,093.75
121	644	DASHED LINE, 4"	806	LF	\$1.00	\$806.00
122	644	DOTTED LINE, 4"	701	LF	\$0.95	\$665.95
123	644	REMOVAL OF PAVEMENT MARKINGS	517	LF	\$2.60	\$1,344.20

TRAFFIC SIGNALS

WILMINGTON PIKE AT FEEDWIRE ROAD

124	614	MAINTAINING TRAFFIC, WHIPP SIGNAL	1	LS	\$7,291.00	\$7,291.00
125	625	CONNECTION, FUSED PULL APART	4	EACH	\$79.55	\$318.20
126	625	CONNECTION, UNFUSED PULL APART	4	EACH	\$83.80	\$335.20
127	625	CONNECTION, UNFUSED PERMANENT	6	EACH	\$74.25	\$445.50
128	625	BRACKET ARM, 30', AS PER PLAN	2	EACH	\$1,432.00	\$2,864.00
129	625	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	1,154	LF	\$1.60	\$1,846.40
130	625	NO. 10 AWG POLE AND BRACKET CABLE	626	LF	\$1.50	\$939.00
131	625	CONDUIT, 1-1/2", 725.05	14	LF	\$2.10	\$29.40
132	625	CONDUIT, 2", 725.05	142	LF	\$2.55	\$362.10
133	625	CONDUIT, 3", 725.05	69	LF	\$3.20	\$220.80
134	625	CONDUIT, 4", 725.05	50	LF	\$6.15	\$307.50
135	625	CONDUIT, JACKED OR DRILLED, 2", 725.04	270	LF	\$40.30	\$10,881.00
136	625	CONDUIT, JACKED OR DRILLED, 4", 725.04	116	LF	\$50.90	\$5,904.40
137	625	LUMINAIRE, CONVENTIONAL, AS PER PLAN	4	EACH	\$376.50	\$1,506.00
138	625	TRENCH	206	LF	\$6.90	\$1,421.40
139	625	PULL BOX, 725.08, 18"	4	EACH	\$625.50	\$2,502.00
140	625	PULL BOX, 725.08, 24"	2	EACH	\$795.50	\$1,591.00
141	625	GROUND ROD	7	EACH	\$191.00	\$1,337.00
142	625	GROUND ROD, AS PER PLAN	2	EACH	\$249.00	\$498.00
143	625	PLASTIC CAUTION TAPE	206	LF	\$0.20	\$41.20
144	630	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	8	EACH	\$302.50	\$2,420.00
145	630	SIGN, FLAT SHEET	38	SF	\$16.95	\$635.63
146	631	INTERNALLY ILLUMINATED FIXED MESSAGE SIGN, AS PER PLAN	4	EACH	\$2,757.00	\$11,028.00

REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
147	631	PHOTOELECTRIC CELL, AS PER PLAN	1	EACH	\$79.55	\$79.55
148	632	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 3-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, AS PER PLAN	10	EACH	\$758.50	\$7,585.00
149	632	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 5-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, AS PER PLAN	4	EACH	\$1,220.00	\$4,880.00
150	632	PEDESTRIAN SIGNAL HEAD (LED), (COUNTDOWN), TYPE D2, AS PER PLAN	4	EACH	\$557.00	\$2,228.00
151	632	COVERING OF VEHICULAR SIGNAL HEAD	14	EACH	\$29.70	\$415.80
152	632	COVERING OF PEDESTRIAN SIGNAL HEAD	4	EACH	\$29.70	\$118.80
153	632	PEDESTRIAN PUSHBUTTON, AS PER PLAN	4	EACH	\$1,230.00	\$4,920.00
154	632	REPROGRAMMING PEDESTRIAN PUSHBUTTON	4	EACH	\$843.00	\$3,372.00
155	632	DETECTOR LOOP	6	EACH	\$949.00	\$5,694.00
156	632	LOOP DETECTOR UNIT	3	EACH	\$360.50	\$1,081.50
157	632	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	125	LF	\$1.70	\$212.50
158	632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	6,039	LF	\$2.05	\$12,379.95
159	632	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	2	EACH	\$4,126.00	\$8,252.00
160	632	STRAIN POLE FOUNDATION, AS PER PLAN	1	EACH	\$3,977.00	\$3,977.00
161	632	PEDESTAL FOUNDATION, AS PER PLAN	4	EACH	\$1,039.00	\$4,156.00
162	632	LOOP DETECTOR LEAD-IN CABLE	3,186	LF	\$1.60	\$5,097.60
163	632	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG	181	LF	\$1.85	\$334.85
164	632	SERVICE CABLE, 2 CONDUCTOR, NO. 8 AWG	52	LF	\$1.70	\$88.40
165	632	POWER SERVICE, AS PER PLAN	1	EACH	\$1,792.00	\$1,792.00
166	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 14, AS PER PLAN	2	EACH	\$12,405.00	\$24,810.00
167	632	SIGNAL SUPPORT, MECHINICAL DAMPER FOR TC-81.21 MAST ARM	2	EACH	\$1,008.00	\$2,016.00
168	632	STRAIN POLE, TYPE TC-81.10, DESIGH 2, AS PER PLAN	1	EACH	\$2,895.00	\$2,895.00
169	632	PEDESTAL, 10', TRANSFORMER BASE, AS PER PLAN	4	EACH	\$907.00	\$3,628.00
170	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	1	EACH	\$4,221.00	\$4,221.00
171	632	RELOCATE SIGNAL EQUIPMENT	2	EACH	\$265.00	\$530.00
172	633	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1, AS PER PLAN	1	EACH	\$16,745.00	\$16,745.00
173	633	CABINET FOUNDATION AND WORK PAD, AS PER PLAN	1	EACH	\$1,670.00	\$1,670.00
174	633	CONTROLLER ITEM, MISC.: BATTER BACKUP UPS (UNINTERRUPTIBLE POWER SUPPLY)	1	EACH	\$4,932.00	\$4,932.00
175	809	STOP BAR RADAR DETECTION	4	EACH	\$6,257.00	\$25,028.00
176	809	ADVANCE RADAR DETECTION	2	EACH	\$7,307.00	\$14,614.00
177	815	SPREAD SPECTRUM RADIO, AS PER PLAN	1	EACH	\$2,312.00	\$2,312.00

REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
WILMINGTON PIKE AT FEEDWIRE ROAD						
178	614	MAINTAINING TRAFFIC, DILLE SIGNAL	1	LS	\$2,731.00	\$2,731.00
179	625	LUMINAIRE, CONVENTIONAL, AS PER PLAN	3	EACH	\$313.00	\$939.00
180	632	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 3-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, AS PER PLAN	1	EACH	\$758.50	\$758.50
181	632	DETECTOR LOOP	1	EACH	\$949.00	\$949.00
182	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	1	EACH	\$3,595.00	\$3,595.00
183	632	RELOCATE SIGNAL EQUIPMENT	1	EACH	\$265.00	\$265.00
MONTGOMERY CO. WATER						
184	638	6" GATE VALVE AND BOX	1	EACH	\$1,239.00	\$1,239.00
185	638	FIRE HYDRANT WITH 4" STORZ CONNECTION	1	EACH	\$3,542.00	\$3,542.00
186	639	12" AWWA C 151, CLASS 51 DUCTILE IRON, RESTRAINED JOINT, POLYWRAPPED PIPE	120	LF	\$141.00	\$16,920.00
187	638	8" AWWA C 151, CLASS 51 DUCTILE IRON, RESTRAINED JOINT, POLYWRAPPED PIPE	110	LF	\$166.50	\$18,315.00
188	638	ANCHOR PIPE FOR FIRE HYDRANTS, 8" AWWA C 151, CLASS 53 DUCTILE IRON, POLYWRAPPED PIPE	10	LF	\$82.65	\$826.50
189	638	8"x6" CUT IN TEE	1	EACH	\$1,431.00	\$1,431.00
190	638	RESTRAIN 8" EXISTING PIPE (BELL CLAMPS)	80	LF	\$49.15	\$3,932.00
191	638	RESTRAIN 12" EXISTING PIPE (BELL CLAMPS)	70	LF	\$56.05	\$3,923.50
192	638	REMOVE 6" VALVE & FIRE HYDRANT & PLUG TEE	1	EACH	\$1,016.00	\$1,016.00
193	638	METER, SETTING, STOP, CHAMBER	1	EACH	\$5,326.00	\$5,326.00
194	638	WATER METER, REMOVED	1	EACH	\$1,213.00	\$1,213.00
195	638	2" COPPER SERVICE BRANCH	18	LF	\$74.55	\$1,341.90
GREENE CO. WATER						
196	638	WATER VALVE, ADJUST TO GRADE	3	EACH	\$178.00	\$534.00
197	638	FIRE HYDRANT, EXTENDED AND ADJUSTED TO GRADE	2	EACH	\$2,371.00	\$4,742.00
CONSTRUCTION LAYOUT/MOBILIZATION						
198	623	CONSTRUCTION LAYOUT STAKES	1	LS	\$18,315.00	\$18,315.00
199	624	MOBILIZATION	1	LS	\$100,000.00	\$100,000.00
TOTAL BASE BID						\$2,430,756.02

REF NUM	SPEC NUM	DESCRIPTION	EST QNTY	UNITS	UNIT PRICE	AMOUNT BID
ALTERNATES						
#1 BID ALTERNATE - WHIPP ROAD RPM'S						
200	621	RAISED PAVEMENT MARKING	42	EACH	\$21.15	\$888.30
TOTAL ALTERNATE #1 BID						\$888.30
#2 BID ALTERNATE - INTERCONNECT (I-675 TO DILLE)						
201	625	CONDUIT, 2", 725.05	1,026	LF	\$2.55	\$2,616.30
202	625	CONDUIT, JACKED OR DRILLED, 2", 725.04	65	LF	\$39.75	\$2,583.75
203	625	CONDUIT, JACKED OR DRILLED, 3", 725.04	740	LF	\$43.50	\$32,190.00
204	625	TRENCH	1,026	LF	\$7.30	\$7,489.80
205	625	PULL BOX, 36", 725.08, AS PER PLAN	11	EACH	\$1,167.00	\$12,837.00
206	625	PLASTIC CAUTION TAPE	1,026	LF	\$0.20	\$205.20
TOTAL ALTERNATE #2 BID						\$57,922.05
#3 BID ALTERNATE - INTERCONNECT (DILLE TO BROWN)						
207	625	CONDUIT, 2", 725.05	1,721	LF	\$2.55	\$4,388.55
208	625	CONDUIT, JACKED OR DRILLED, 3", 725.04	180	LF	\$43.50	\$7,830.00
209	625	TRENCH	1,721	LF	\$7.30	\$12,563.30
210	625	PULL BOX, 36", 725.08, AS PER PLAN	9	EACH	\$1,167.00	\$10,503.00
211	625	PLASTIC CAUTION TAPE	1,721	LF	\$0.20	\$344.20
TOTAL ALTERNATE #3 BID						\$35,629.05

Note: The items and quantities are projected, and may be modified or removed at the City's discretion without adjustment. Therefore, avoid weighting items because actual quantities could change from the engineer's estimated quantities.