

City of South Bend, Indiana Department of Public Works

South Bend One-Way to Two Way Street Conversion Project No. 116-001

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CITY OF SOUTH BEND
EMPLOYEE TRAINING PROGRAM

Effective July 1, 2016, pursuant to Indiana Code 5-16-13-12, all contractors with ten or more employees must certify the following:

A contractor must provide access to a training program applicable to the tasks to be performed in the normal course of the employee's employment with the contractor. A contractor may comply with this section through any of the following:

- (1) An apprenticeship program.
- (2) A program offered by Ivy Tech Community College of Indiana.
- (3) A program offered by Vincennes University.
- (4) A program established by or for the contractor.
- (5) A program offered by an entity sponsored by the United States Department of Labor, Bureau of Apprenticeship and Training.
- (6) A program that results in the award of an industry recognized portable certification.
- (7) A program approved by the United States Department of Transportation, Federal Highway Administration.
- (8) A program approved by the Indiana Department of Transportation.

(d) This subsection applies after June 30, 2016, to a tier 1 or tier 2 contractor that employs fifty (50) or more journeymen. The contractor shall participate in an apprenticeship or training program that meets the standards established by or has been approved by any of the following:

- (1) The United States Department of Labor, Bureau of Apprenticeship and Training.
- (2) The Indiana Department of Labor.
- (3) The United States Department of Transportation, Federal Highway Administration.
- (4) The Indiana Department of Transportation.

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VIII. AWARD OF CONTRACT

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 103
- B. Additions:
1. A Bidder may submit a Bid for either Division of the Project or for both Divisions. Award will be made to the lowest, responsive, responsible Bidder for each separate Division (A & B), as determined by the Owner. The award of the Contract may be made on the Base Bid only or any combination of the Base Bid and selected Alternate Bids.
 - a. Division A, Alternate Bid No. 1 includes items related to pavement rehabilitation (mill and resurface) as identified in the proposal and as shown in the plans for Division A (Part 2 of 2).
 - b. Division B, Alternate Bid No. 1 includes items related to bi-directional, in-pavement lighting located at pedestrian crosswalks as identified in the proposal and as shown in the plans for Division B (Parts 2 and 3 of 3).
 - c. Division B, Alternate Bid No. 2 includes items related to installation of permeable pavement and concrete header in the parking lanes along Main Street as identified in the proposal and as shown in the plans for Division B (Parts 1 and 2 of 3).
 - d. Division B, Alternate Bid No. 3 includes items related to installation of full depth QC/QC PCCP in the parking lanes along Main Street as identified in the proposal and as shown in the plans for Division B (Parts 1 and 2 of 3).
 - e. Division B, Alternate Bid No. 4 includes items related to installation of an undistributed quantity of 2" HDPE Conduit, Schedule 80 and handholes at 400' maximum spacing along Main Street, St. Joseph Street, and Michigan Street as directed by the City for future utility use within Division B (Parts 1 and 2 of 3).
 2. All Bids will remain subject to acceptance for sixty (60) calendar days after the day of the Bid opening, but the City of South Bend may, in its sole discretion, release any Bid and return the Bid security prior to that date.
 3. Successful bidder from award notice will have fourteen (14) calendar days to submit a fully executed contract, Certificated of Insurance, and other require documents from either the awarded contractor and/or the subcontractors. Failure to comply within the award period may be cause for the Board of Public Works to rescind the award.
 4. The Owner may waive any informalities or minor defects, or may reject any and all bids.
 5. A bid will be rejected if an authorized representative from the interested Bidder does not attend in person the mandatory Pre-Bid Conference.
 - a. **The Pre-Bid Conference will be held on January 19, 2016 at 11:00 a.m. Local Time** at the Office of the Board of Public Works, County-City Building, 13th Floor Conference Room, 227 West Jefferson Blvd, South Bend, Indiana, 46601.

IX. BONDING REQUIREMENTS

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 103
1. Additions:
 - a. The successful Bid provider shall supply the following bonds:
 - (i) Payment Bond within seven (7) days of Notification of Award for an amount equal to one hundred percent (100%) of the contract amount.
 - (ii) Performance Bond within seven (7) days of Notification of Award for an amount equal to one hundred twenty-five percent (125%) of the contract amount.

- (iii) Maintenance bond within ten (10) days of acceptance of the project by the City of South Bend, for an amount equal to ten percent (10%) of the final contract price, guaranteeing for a period of three (3) years after the date of acceptance of the project by the City of South Bend.

X. RAILROAD COORDINATION

A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 103.

B. Additions:

- 1. The Contractor shall carry, with respect to the operations performed and those performed by others, for and in behalf of the Norfolk Southern Railway Company, Railroad Protective Liability insurance for the traffic signal and pavement work within the Norfolk Southern Railway right-of-way. Requirements for insurance are provided in Appendix A.
- 2. The Owner will only pay reimbursement for actual charges received towards providing the necessary railroad insurance. The pay request for this item shall include sufficiently detailed invoices, from the actual entity that provided the services, with an incurred cost.
- 3. The quantity for RAILROAD INSURANCE will be on a lump sum basis.

XI. CONTROL OF WORK

A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 105

B. Additions:

- 1. The complete responsibility for this project lies with the Director of Public Works of the City of South Bend, Indiana acting through his authorized representatives.
- 2. Construction Engineering - The Contractor shall provide all the necessary, qualified personnel, equipment and supplies to perform all work required under this item. Construction Engineering as specified herein will be paid for at a contract lump sum price.
- 3. The contractor is responsible to maintain the site which includes but is not limited to; dust control, site security, erosion control, and protecting adjacent properties.
- 4. [The Contractor shall remain in compliance with all regulations of the City of South Bend Municipal Code on Noise Control \(Chapter 13, Article 7\) at all times during the progression of the work.](#) No work shall be permitted on Sundays, Holidays, or after hours unless approved by the City of South Bend Department of Public Works. The Contractor shall provide a minimum 48 hour notice for requests to work outside the specified work hours.
 - a. The following events are scheduled during the anticipated construction period. The Contractor will be permitted to work on these dates, but must provide safe and appropriate access to these events. The Contractor shall coordinate with event managers to determine the appropriate means of access. The Contractor will not be required to shut down controlling operations for these events or allow the use of its construction zone for use of the events, other than temporary access:
 - (i) Think Green – March 4, 2016
 - (ii) St. Pat's Tent Party – March 11, 2016
 - (iii) Eggstravaganza – March 19, 2016
 - (iv) Downtown Renaissance – April 1, 2016
 - (v) Vintage Downtown & Architecture Walking Tour – May 6, 2016
 - (vi) Wed. Wine Walks – May 11, June 8, July 6, August 10, and September 14, 2016
 - (vii) Notre Dame Graduation – May 13-15, 2016
 - (viii) Mayors Bike Ride – May 22, 2016
 - (ix) Red Table Plaza – June 1 through September 29, 2016 (Mon – Thu only)
 - (x) Sunburst – June 3-4, 2016

- (xi) Kids' Night Out & Architecture Walking Tour – June 3, 2016
- (xii) Summer Fitness Series – June 4 through September 24, 2016 (Sat only)
- (xiii) Leeper Art Fair – June 18, 2016
- (xiv) Summer Restaurant Week – June 20 through July 3, 2016
- (xv) As American As & Architecture Walking Tour – July 1, 2016
- (xvi) Arts Alive & Architecture Walking Tour – August 5, 2016
- (xvii) Art Beat – August 20, 2016
- (xviii) Dog Days of Summer & Architecture Walking Tour – September 2, 2016
- (xix) Notre Dame Football Events –
 - (i) September 10, 17, and 24, 2016
 - (ii) October 15 and 29, 2016
 - (iii) November 19, 2016
- (xx) Downtown Oktoberfest – October 7, 2016
- (xxi) Downtown Flavor – November 4, 2016
- (xxii) Outdoor Film Series – TBA

XII. LEGAL RELATIONS

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 107
- B. Additions:
 - 1. The Owner, where mentioned in these documents, is the City of South Bend. The Engineer, where mentioned in these documents, is as follows:
 - a. Division A, Part 1 of 2 (Project 114-045) – Lawson-Fisher Associates, P.C.

- b. Division A, Part 2 of 2 (Project 115-019 Div. A) – American Structurepoint, Inc.
 - c. Division B, Part 1 of 3 (Project 115-019 Div. B) – American Structurepoint, Inc.
 - d. Division B, Part 2 of 3 (Project 114-035) – Lawson-Fisher Associates, P.C.
 - e. Division B, Part 3 of 3 (Project 114-032B) – Jones Petrie Rafinski Corp.
- 2. The Contractor shall apply for and obtain any and all required permits for the work from local, state, and federal agencies and shall comply with permit requirements, including the Indiana Department of Transportation, St. Joseph County / City of South Bend Building Department.
 - 3. If the Contractor awarded this contract is not a resident of Indiana, within thirty days, the Contractor shall provide the Engineer with proof that the Contractor is duly licensed, qualified and registered with the Secretary of State of Indiana to engage in business within the State of Indiana.

XIII. SUBMITTALS

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 106
- B. Additions:
 - 1. Submit four (4) copies or an electronic version of the submittals for all equipment or materials used in this project to the South Bend Department of Public Works for approval. All submittals must be delivered within 7 calendar days from the notice to proceed.
 - 2. The Department of Public Works will review and return two (2) copies or an electronic version of the submittals within five (5) working days.
 - 3. The review of the submittal information by the Department of Public Works is to facilitate the satisfactory acceptance of the equipment. This review shall neither relieve the contractor from the responsibility for deviations from the Specifications, nor from errors and omissions in the shop drawings or literature. Parts found not meeting the requirements of these Specifications shall be removed, repaired or replaced at no cost to the OWNER.
 - 4. Submittals shall include complete manufacturer's descriptive information and shop drawings for all the parts furnished under this contract.
 - 5. Upon completion of project, the Contractor will supply one (1) conformed set of all submittals to the City of South Bend.

XIV. PROSECUTION AND PROGRESS

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Sec. 108
- B. Additions:
 - 1. The project, both Division A and Division B, will have a completion date of [June 1, 2017](#). The contract time will start when the Notice to Proceed is delivered and signed.
 - 2. The project will have an intermediate completion date of October 15, 2016 for substantial completion, including all [travel and parking lane](#) asphalt and concrete work, structures, traffic control devices, [curb](#),

lighting, and permanent pavement markings complete and in place.

- a. The Contractor shall coordinate maintenance of traffic with the City for any sidewalk, streetscape, trees, pavers, and/or landscaping activities following the intermediate completion date for any subsequent work.
3. The project will have an intermediate completion date of September 7, 2016 for roads open to bi-directional traffic along Main Street between Chippewa Avenue and Marion Street, and along Michigan Street / St. Joseph Street between Chippewa Avenue and Bartlett Street. A minimum of one travel lane in each direction on each corridor street shall be open to traffic on or before the specified date. Once bi-directional traffic is established on each corridor street, bi-directional traffic shall be maintained on each corridor street for the duration of the project.
4. The project will have an intermediate completion date of September 7, 2016 for lane closure along Michigan Street between Monroe Street and LaSalle Avenue. The work specified shall be arranged and prosecuted such that a minimum of two travel lanes are open to traffic on or before the specified date. The identified roads shall maintain a minimum of two travel lanes prior to May 17, 2016. A minimum of one travel lane shall be open to traffic during the specified lane closure period.
5. The project will have an intermediate completion date of September 7, 2016 for road closure along Main Street between LaSalle Avenue and Marion Street, and along Michigan Street between LaSalle Avenue and Bartlett Street. The work specified shall be arranged and prosecuted such that these roads are open to traffic on or before the specified date. The identified roads shall not be closed before May 7, 2016. A minimum of two lanes must be provided on each street prior to May 7, 2016.
6. The project will have an intermediate completion date of August 5, 2016 for road closure along Main Street at Chippewa Avenue, and along Michigan Street at Chippewa Avenue. The work specified shall be arranged and prosecuted such that these roads are open to traffic on or before the specified date. The identified roads shall not be fully closed before June 6, 2016.
7. The City, Engineer, and Contractor will hold a pre-construction meeting following award of the contract. The date of the Notice to Proceed will be agreed upon at that meeting.
8. Contractor shall provide a schedule to the Owner prior to beginning any work on the site.

XV. CHANGE OF CONTRACT TIME

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 108
- B. Additions:
 1. The Contract Time may only be changed by Change Order. Any Claim for an extension in the Contract Time shall be based on written notice delivered to the Department of Public Works within seven (7) calendar days of the occurrence of the event giving rise to the claim. Notice of the extent of the claim with supporting data shall be delivered within fourteen (14) calendar days after such occurrence unless an official of the Public Works Department allows an additional period of time to ascertain more accurate data. The Contract Time will be extended in an amount equal to time lost to delays beyond the control of the

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 108
- B. Additions:
1. The contractor shall proceed with the work at such rate of progress to insure full completion within the Contract Time. It is expressly understood and agreed, by and between the Contractor and the Owner, that the Contract Time for completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work, and excludes the time for unavoidable delays which were beyond the control and without the fault of the Contractor.
 2. If the Contractor shall fail to complete the work, including final completion date, substantial completion date, and / or any intermediate completion dates, within the Contract Time, or extension of time granted by the Owner, then the Contractor will pay to the Owner the amount for liquidated damages a sum of **five thousand dollars (\$5,000.00)** for each calendar day that the Contractor shall remain in default after the time of completion stipulated in the Contract Documents.
 3. The Contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due to the following and the Contractor has promptly given written notice of such delay to the Owner and Engineer/Architect.
 - a. To any preference, priority, or allocation order duly issued by the Owner.
 - b. To unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to acts of God, acts of public enemy, acts of the Owner, acts of another Contractor in the performance of a Contract with the Owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, **utility relocation delays in excess of 14 calendar days**, and abnormal and unforeseeable weather.
 4. **In order to induce the Contractor to expedite the work as much as possible, an additional lump sum payment of \$1,500 will be paid, as an incentive amount for each calendar day that the roads are open to bi-directional traffic, along Main Street between Chippewa Avenue and Marion Street, and along Michigan Street / St. Joseph Street between Chippewa Avenue and Bartlett Street. A minimum of one travel lane in each direction on each corridor street shall be open to traffic without detour. All the provisions identified in Item B.3 of Special Provision XIV must be complete to qualify for the incentive.**
 - a. **The incentive date will not be adjusted for delays except as provided for in this contract for changes in contract time. See Special Provision XV for details.**
 5. The Contractor is hereby alerted that failure to submit shop drawings in a timely manner or failure to order materials in a timely manner, such that material manufacturing and delivery to the project site are delayed, will not be considered as unforeseeable causes in the determination of liquidated damages, extension of time granted by the Owner, or any excess cost.

XVIII. RETAINAGE AND FINAL PAYMENT

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 109
- B. Additions:
1. Payments will be made every thirty (30) calendar days.
 2. Consistent with provisions of IC 36-1-12-14, the Board of Public Works shall retain a percentage of payments throughout the duration of the project.
 3. Before final payment and retainage are released the Contractor must satisfy the following:
 - a. All parts and labor meet requirements stated in the specifications.
 - b. Provide copies of test reports or cut sheets on all materials supplied.
 - c. Provide As-Built drawings in accordance with the City of South Bend Prevailing Specifications for Public Works.

- e. The facilities of the City of South Bend Department of Public Works – Sanitary exist within the project limits. It is anticipated that the extent of sanitary sewer work in this area will be to adjust castings to grade as needed and to restore combined sewer manholes to account for the work of realigning storm sewer pipe; this work shall be completed by the Contractor as shown in the plans. If questions arise, Tony Mulnar of the utility may be contacted at 574-235-9251.
- f. The facilities of the City of South Bend Department of Public Works – Water exist within the project limits. It is anticipated that the extent of Water Works Department work in this area will be to adjust water valves to grade and relocate and reset fire hydrants as needed; this work shall be completed by the Contractor as shown in the plans. If questions arise, Ed Herman of the utility may be contacted at 574-235-5633.
- g. The facilities of Indiana Michigan Power (I&M) exist within the project limits. I&M has existing overhead facilities throughout the project area. I&M has buried facilities along Main from Wayne to LaSalle and crossings at Bronson, South, Monroe, and Western. I&M has buried facilities along Michigan from Bronson to Monroe and crossings at Indiana and Sample. I&M has buried facilities on St. Joseph from Monroe to LaSalle and along Michigan from Western to Colfax. I&M facilities are not expected to be in conflict with the proposed work. If questions arise, Antonio Macias of the utility may be contacted at 574-236-1658.
- h. The facilities of NIPSCO Gas exist within the project limits. NIPSCO gas has an 8” steel gas main along Main Street crossing LaSalle and a 4” steel gas main along LaSalle crossing Main Street. NIPSCO has 2” steel gas mains at the intersections of Main and Washington and Main and Jefferson. NIPSCO Gas facilities are not anticipated to be in conflict with the proposed work. If questions arise, Phil Griffin of the utility may be contacted at (574) 284-2214.
- i. The facilities of MCI/Verizon exist within the project limits. MCI has underground fiber facilities in the railroad right of way crossing Main Street, and along Main Street from Columbus to Bronson. It is anticipated that castings will need to be adjusted to grade. If questions arise, Chris Fowler of the utility may be contacted at 317-685-8050.
- j. The facilities of Level 3 exist within the project limits. Level 3 has underground fiber facilities running north-south on the west side of Main Street from Stull to Bronson and running north-south on the east side of Main Street from West Jefferson Boulevard to Monroe. Level 3 facilities are not anticipated to be in conflict with the proposed work. If questions arise, Tim Boykin of the utility may be contacted at 720-888-0336.
- k. The facilities of Infinity Fiber, LLC exist within the project limits. Infinity Fiber/GAP has underground fiber throughout the project area. Infinity Fiber/GAP facilities are not anticipated to be in conflict with the proposed work. If questions arise, Keith Hamm of the utility may be contacted at (317) 517-2206.
- l. The facilities of St. Joe Valley METRONET exist within the project limits. St. Joe Valley Metronet has underground fiber throughout the project area. St. Joe Valley Metronet facilities are not anticipated to be in conflict with the proposed work.

If questions arise, Ben Hudson of the utility may be contacted at 574-360-7812.

least 2 weeks prior to changes in patterns and maintain access to facilities throughout construction.

The facilities and operations of Xavier School of Excellence will be significantly impacted by changes in traffic patterns during maintenance of traffic operations. The Contractor shall communicate closure schedules with the school at least 2 weeks prior to changes in patterns and maintain access to facilities throughout construction. Drop-off and pickup traffic queues along Michigan Street and Main Street may be accommodated by modifying the maintenance of traffic plan as approved by the Engineer.

8. The names and telephone numbers of the Contractor's superintendent and two other responsible employees shall be furnished at the pre-construction conference. These employees shall be on-call and available at nights, weekends, or during other non-working periods to repair or replace all traffic control devices which may become damaged or inoperative.
9. In the event the Contractor desires not to perform traffic maintenance in accordance with the sequence of operations as called for within the Contract Documents, Contractor shall submit his alternate plan in writing to the Engineer and obtain acceptance at least 2 weeks prior to the commencement of any construction activities. Should the Contractor propose a street closure not otherwise identified within the Contract Documents, he shall submit a written request to the Engineer for review and acceptance at least 3 weeks prior to the planned closure.
10. The Engineer will give written notification of the acceptance or denial of any Maintenance of Traffic proposals. The failure to accept the request, as long as the decision is reasonable, shall not entitle the Contractor to an extension in contract time or to an increase in contract price.
11. The Contractor shall be responsible for all traffic signal maintenance including 24-hour emergency repair responsibility at the existing traffic signal locations from the beginning of work until the date of final acceptance of the traffic signal work. Traffic signal maintenance will begin at the onset of construction activities at the intersections until the date of final acceptance. The pay item for MAINTENANCE OF TRAFFIC shall cover all costs of traffic signal maintenance including 24-hour emergency repair.
12. The Contractor shall coordinate his work with the local agencies, including Fire, Police, City of South Bend and adjacent schools. The Contractor shall provide the local agencies with 72 hour notice for changes of maintenance of traffic phasing.
13. All excavations shall be barricaded, fenced, covered, backfilled, or otherwise prepared so as to provide protection to the public. The safety fence shall be bright orange made of high density polyethylene grid or approved equal a minimum of 42 inches high supported and tightly secured to steel posts on 10 foot centers.
14. Regulatory controls shall not be changed by the Contractor without prior approval. Regulatory controls may be relocated in order to permit necessary construction, provided these control devices remain effective and convey the intended meaning after relocation to a position which complies with the requirements of the IMUTCD.
 - a. After completion of construction, regulatory control devices which were relocated to facilitate construction shall be permanently installed as shown on the plans, with no additional payment.
 - b. All traffic control devices damaged while being moved or handled shall be replaced by the Contractor with no additional payment.
 - c. All other traffic control devices necessary to maintain safe traffic operations and routing shall not be removed, changed, or relocated, except as authorized. Traffic control devices moved without prior authorization shall be replaced with no additional

2. Division B
 - a. Part 1 of 3 of the plans consist of **246** sheets.
 - b. Part 2 of 3 of the plans consist of **101** sheets.
 - c. Part 3 of 3 of the plans consist of **55** sheets.
3. The work shall conform to the plans.
4. The drawings are schematic in nature.
5. The CONTRACTOR is responsible for estimating dimensions and quantities of materials.
6. In the event that the Special Provisions and the Plans conflict, the Special Provisions shall govern.

XXXIII. MUNICIPAL OPERATIONS

- A. Prevailing Specifications: None
- B. Additions:
 1. The Contractor shall be responsible for trash, yard waste, and recycling collection within the project limits. The Contractor shall coordinate with the City of South Bend Solid Waste, Waste Management, and other pickup services as requested to ensure collection services are maintained. The Contractor shall be required to collect bins, place them in a common point for easy access by automated truck services, and redistribution after pickup as requested.
 2. In areas where the Contractor has not completed its work, the Contractor shall be responsible for appropriate snow removal for pedestrian and vehicular movement within the project limits and shall coordinate with City of South Bend Public Works. The Contractor is responsible for protecting his project site from excessive wear and tear during snow removal.

XXXIV. UNDISTRIBUTED ITEMS

- A. Prevailing Specifications: None
- B. Additions:
 1. The items which are indicated herein as undistributed shall be used only as directed by the Engineer. All undistributed items will be field measured by the Engineer to determine the quantity for payment. Quantities of undistributed items needed in addition to those indicated will be paid for at the contract unit price as shown on the Itemized Proposal and Declarations.
 2. Undistributed Pay Items and their associated quantity include:
 - a. Division A, Project 114-045

(i)	Inspection Hole	10 EA
(ii)	Adjust Water Service Line, Residential	2 EA
(iii)	Tap, Water Service, 1-Inch (City Tap Fee)	2 EA
(iv)	Cap Existing Water Service Line	2 EA

(v)	Sewer Lateral, Private Building, Reinstatement	2 EA
(vi)	Pavement Removal	100 SYS

b. Division B, Project 115-019

(i)	Road Closure Sign Assembly	20 EA
(ii)	Detour Route Marker Assembly	50 EA
(iii)	Sign, Sheet, Remove and Reset	20 EA
(iv)	Conduit, PVC Schedule 80, 2-Inch	100 LFT
(v)	Conduit, HDPE, Schedule 80, 3-Inch	1,500 LFT
(vi)	Conduit, HDPE, Schedule 80, 4-Inch	400 LFT
(vii)	Bicycle Rack	10 EA
(viii)	Conduit, HDPE, 2 In., Schedule 80 (Alternate Bid)	4,000 LFT
(ix)	Handhole (Alternate Bid)	25 EACH

c. Division B, Project 114-035

(i)	Inspection Hole	10 EA
(ii)	Adjust Water Service Line, Commercial	2 EA
(iii)	Tap, Water Service, 1-Inch (City Tap Fee)	2 EA
(iv)	Cap Existing Water Service Line	2 EA
(v)	Sewer Lateral, Private Building, Reinstatement	2 EA
(vi)	Conduit, HDPE, 2 In., Schedule 80 (Alternate Bid)	3,200 LFT
(vii)	Handhole (Alternate Bid)	12 EACH

d. Division B, Project 114-032B

(i)	Video Inspection for Pipe	100 LFT
(ii)	Casting, Adjust to Grade	2 EA

3. The Itemized Proposal and Declarations include the above noted quantities.

XXXV. INSPECTION HOLE

A. Prevailing Specifications/INDOT Standard Specification Section: 105.03, 105.06, 107.20

B. Additions:

1. This work shall consist of digging inspection holes in accordance with 105.03, to verify the exact location of underground utilities that are in potential conflict with the proposed construction.
2. Materials, tools, equipment, labor and incidentals shall be provided as required.
3. Once utility locates are marked in the field, inspection holes shall be dug at critical locations as agreed upon by the Department along the marked locates where the utility is within 2 feet of the proposed construction. The inspection holes shall be dug to a depth to either the underground utility or to a depth 1 foot below the proposed construction elevation, whichever is shallower. The inspection hole shall be as large as necessary to search for the marked underground utility within 2 feet horizontally of each side of the marked locate. If the utility is found, as directed, outside the 2 feet horizontal distance from the locate mark, then it shall be considered as an additional inspection hole.
4. The results of inspection holes shall be plotted on the plan sheets and provided in .pdf

operations, and all other incidentals shall be included in the cost of the item.

XLVII. STATEMENTS ABOUT EXISTING CONDITIONS OF ADDITIONAL RIGHT-OF-WAY AND ENCROACHMENTS

A. Prevailing Specifications: 2016, INDOT Standard Specifications Sections 107 and Recurring Special Provision 107-R-169

B. Additions:

1. Right-of-Way: All additional right-of-way requirements for the contract have been cleared except for the conditions at the parcels described below:

a. Clear Parcels – Clear title to the following properties is anticipated as set out below. The properties listed below shall not be entered until authorized in writing.

(i) Division A, Project 114-045

<u>Parcel Number</u>	<u>Owner</u>	<u>Location</u>	<u>Estimated Clear Date</u>
1	Calvary Temple South Bend Gospel Tabernacle, Inc.	39+40 Line 'B1', Rt. 37+90 Line 'C1', Lt. 52+00 Line 'D', Lt.	4/30/2016
2	Palmer, KR et al.	36+15 Line 'C', Rt. 35+76 Line 'C', Rt.	4/30/2016
3	Palmer Funeral Home	various	4/30/2016
5	XB Real Estate, LP	41+00 Line "B1, Lt.	3/30/2016
6	Sandra V. Case	35+50 Line "C", Rt.	4/30/2016

(ii) Division B, Project 115-019

<u>Parcel Number</u>	<u>Owner</u>	<u>Location</u>	<u>Estimated Clear Date</u>
1	First Source Bank	757+00 Line 'MAI', Lt.	3/31/2016

(iii) Division B, Project 114-035

<u>Parcel Number</u>	<u>Owner</u>	<u>Location</u>	<u>Estimated Clear Date</u>
1	Fifth Third Bank	11+85 Line 'A', Lt.	3/31/2016
2	QDI Realty, LLC	11+80 Line 'A', Rt.	3/31/2016

(iv) Division B, Project 114-032B

<u>Parcel Number</u>	<u>Owner</u>	<u>Location</u>	<u>Estimated Clear Date</u>
1	Memorial Hospital of South Bend	22+00 Line 'BO'	5/31/2016

b. Right-of-Entry - The right-of-entry to the following properties is anticipated as set out below. The properties listed below shall not be entered until authorized in writing.

(i) Division B, Project 114-035

<u>Parcel Number</u>	<u>Owner</u>	<u>Location</u>	<u>Estimated Date Right-of-Entry</u>
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filled with flowable mortar. Vent pipes shall be provided to expel trapped air. Once the pipe has been filled with flowable mortar, then the vent pipe shall be sealed water tight. The ends of the existing pipes to be abandoned shall be plugged or capped water tight as noted on the Plans. The Contractor shall provide and pay for all water as required to flush the existing sanitary sewer pipes. Contractor shall verify the material type and diameter of each pipe segment. The length of existing pipe and number of existing manholes noted for abandonment are approximate.

6. The flowable mortar shall meet the requirements of INDOT Specification Section 213. The design mix shall be for non-removable flowable mortar and shall be submitted for approval a minimum of two weeks before installation. Field testing of the flowable mortar shall be conducted on each pipe segment or structure to be abandoned. Contractor shall collect representative samples and test per INDOT Specification Section 213.04(b). Testing shall be incidental to the respective work item.
7. Removal and abandonment items described in this section will not be paid for directly, but the cost thereof shall be included in the cost of CLEARING RIGHT-OF-WAY, including all labor, materials and incidentals to complete the work in place.

LIV. CONCRETE CURB REMOVAL

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 202
- B. Additions:
 1. Curb, Concrete, Remove will be paid for at the contract unit price for "Curb, Concrete, Remove...LFT" as indicated on the itemized proposal sheet.

LIV. CONCRETE SIDEWALK REMOVAL

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 202
- B. Additions:
 1. Sidewalk, Concrete, Remove including incidental neat line sawcut will be paid for at the contract unit price for "Sidewalk, Concrete, Remove...SYS" as indicated on the itemized proposal sheet.

LVI. REMOVE AND SALVAGE SIGN STRUCTURES

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 200, 802
- B. Additions:
 1. The following sign structures shall be removed, salvaged and delivered to the City of South Bend:
 - a. Division A, Project 114-045
 - (i) Sta. 39+40 Line "B1", 40.4' Rt.
 - (ii) Sta. 51+83.3 Line "D", 42.2' Rt.

B. Additions:

1. Structure excavation shall not be measured directly, but shall be included in the cost of the various other pay items.

LXVI. BORROW AND BACKFILL

A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 211

B. Additions:

1. The Contractor shall furnish all the necessary equipment, labor and materials to complete backfill of excavations with approved Borrow material.
2. The Contractor shall test the existing material and document that it is acceptable for use as structure backfill. Once satisfactory test results have been received, the Engineer may visually approve excavated material for use as structure backfill, or request additional analyses. It is anticipated that there will be enough excavated soil that meets the specified requirements for structure backfill (904.05) and that additional structure backfill will not be required; however an undistributed quantity for Structure Backfill has been included in the Contract. See Special Provision **XXXIV** for additional details.
3. The cost of providing Borrow for backfill and Structure Backfill, wasting or stockpiling excavated materials testing or excavated materials and the compaction of the backfill material shall not be paid for separately but shall be included in the cost of various other pay items. Payment for structure backfill obtained from an off-site source will be made at the Unit Price set forth in the Proposal for STRUCTURE BACKFILL, TYPE ____ (CYS).

LXVII. COMPACTED AGGREGATE

A. Prevailing Specifications: City of South Bend Design and Construction Standards / 2016, INDOT Standard Specifications Section 301

B. Additions:

1. All coarse aggregate shall be Class D or higher of the specified size. The cost of placing, compacting, water and necessary incidentals shall be included in the cost of the compacted aggregate.
2. Sources of aggregate shall be in accordance with Section 904 of the INDOT Standard Specifications. Sources of aggregate will not be considered for acceptance of material until a preliminary investigation has been made. As part of this investigation, samples will be obtained and tests conducted to determine the quality and classification of the aggregates in accordance with ITM 203.
3. The depth of compacted aggregate shall be 6-inches below proposed pavement and drives. Quantity shall be based on plan neat lines.
4. Plan quantities are based on an assumed compacted density of 1.9 tons/cubic yard.
5. Payment for compacted aggregate for construction entrance, pipe and structure bedding will be considered incidental to furnishing and installing the respective Pay Item.
6. The condition of the subgrade at the time paving material is placed is required to be in accordance with INDOT Standard Specifications 105.03 and 207.03.
7. Prior to placing the base course of asphalt on the prepared aggregate subgrade, proof rolling in accordance with INDOT Standard Specifications 203.09 and 203.26 is required.

LXVIII. SURFACE MILLING, ASPHALT

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 306
- B. Additions:
 - 1. The minimum depth of surface milling shall be according to the plans or as directed by the Engineer.
 - 2. All areas of surface milling shall be established by the Engineer and the Contractor prior to the commencement of work.
 - 3. Surface Milling, Asphalt will be paid for at the contract unit price for “Milling, Asphalt, (thickness) ...SYS” as indicated on the itemized proposal sheet.
 - 4. Profile milling and Approach Milling will not be measured for payment separately and shall be included in the cost of other pavement milling items.

LXIX. PAVEMENT REMOVAL FOR HMA WIDENING

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 304
- B. Additions:
 - 1. Pavement to be removed as shown on the plans shall be saw cut in neat lines at removal limits for full depth prior to removal. Saw cutting for removal shall not be measured for pavement but shall be considered incidental to the Contract.
 - 2. The cost of excavation and disposal of existing materials, including existing composite or asphalt pavement, required for the compacted aggregate or HMA widening material shall be included in the cost of the HMA widening material.
 - 3. Replacement of pavement damaged by the Contractor’s operations shall be at no additional payment.

LXX. QC/QC HOT MIX ASPHALT

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 401
- B. Additions:
 - 1. The HMA Surface course shall not be placed until all new pavement areas within the project limits, including mainline, approaches, and areas of incidental construction, have been completed and are ready, in the opinion of the Engineer, for the HMA Surface course.
 - 2. The additional cost of coordinating the placement of the surface shall be included in the unit cost for HMA Surface as set out in the Itemized Proposal and Declarations.
 - 3. For each day that 25 tons or more of hot asphaltic material is used, the Contractor must have gradation and bituminous content tests for each kind of mix used. Copies of INDOT plant mix inspection reports will be acceptable. Also, Compaction Tests will be required to be run daily in which there will be a minimum of three (3) field density determinations for each kind of material by Nuclear Density Testing. The average of these three density

- (i) Paver units shall be Eco-Priora, Permeable brick pavers by Unilock or approved substitute
 - (ii) Size: 9.45" x 4.72" x 3.15"
 - (iii) Color: [Mocha Brown](#)
 - (iv) Finish: 3000 Exposed Aggregate Finish
- b. Permeable Paver Type 'B'
- (i) Paver units shall be Eco-Priora, Permeable brick pavers by Unilock or approved substitute
 - (ii) Size: 9.45" x 9.45" x 3.15"
 - (iii) Color: [Mocha Brown](#)
 - (iv) Finish: 3000 Exposed Aggregate Finish
- c. Where partial bricks are needed to complete a pattern, said partial bricks shall be cut in conformance with manufacturer recommendations.
- d. Partial bricks of less than 2 inches in length or 2 inches in width shall not be used, but the contractor shall utilize a "double" brick size of either twice the nominal length or width and cut as needed. Double bricks shall match the appearance of two single bricks laid end-to-end in pattern, finish, and color.
- e. Permeable Joint Opening Aggregate
- (i) Provide Permeable Joint Opening Aggregate materials conforming to ASTM C 33 and gradation requirements of ASTM D 448 No. 8 as follows:

**ECO-OPTILOC
PERMEABLE JOINT OPENING AGGREGATE
GRADATION REQUIREMENTS
(CRUSHED LIMESTONE)**

ASTM No. 8	
Sieve Size	Percent Passing
1/2 in (12.5 mm)	100
3/8 in (9.5 mm)	85 to 100
No. 4 (4.75 mm)	10 to 30
No. 8 (2.36 mm)	0 to 10
No. 16 (1.18 mm)	0 to 5

- a. Permeable Setting Bed Aggregate
- (i) Provide Permeable Setting Bed Aggregate materials conforming to ASTM C 33 and gradation requirements of ASTM D 448 No. 8 as follows:

**PERMEABLE SETTING BED AGGREGATE
GRADATION REQUIREMENTS**

ASTM No. 8	
Sieve Size	Percent Passing
½ in (12.5 mm)	100
3/8 in (9.5 mm)	85 to 100
No. 4 (4.75 mm)	10 to 30
No. 8 (2.36 mm)	0 to 10

completely filled, then remove excess material. This will require at least 4 passes with a plate compactor.

- k. After the final vibrating, the surface shall be true to grade and shall not vary by more than 1/4 inch when tested with a 3-foot straight edge at any location on the surface.
 - l. Remove all debris from joints and provide additional Permeable Joint Aggregate material after 120 days and before 150 days after date of Substantial Completion.
5. Decorative permeable brick pavers system will be measured by the square yard, complete in place.
 6. Excavation, backfill, subgrade preparation, furnishing and installing the completed aggregate base, pervious concrete pavement, filter fabric, leveling course, labor, materials, and all necessary incidentals shall be included in the cost of brick pavers.
 7. All cutting of pavers or special paver placement to fit with castings or other features as directed by the City shall be incidental to the cost of the work.
 8. The accepted quantity of decorative brick will be paid for at the contract unit price per square yard for DECORATIVE BRICK, PERMEABLE as indicated on the itemized proposal sheet.

LXXXIII. DECORATIVE BRICK PAVERS (NON-PERMEABLE)

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 610
- B. Additions:
 1. This work shall consist of constructing a paver inlay in reasonably close conformance with the lines, grades and details shown on the plans and in accordance with manufacturer specifications and the requirements set out herein.
 2. Materials shall be in accordance with the following:
 - a. Decorative Paver Type 'A'
 - (i) Paver units shall be Concrete pavers by Unilock or approved substitute
 - (ii) Size: 11.81" x 11.81" x 2.76"
 - (iii) Color: Mocha Brown
 - (iv) Finish: 3000 Exposed Aggregate Finish
 - b. Decorative Paver Type 'B'
 - (i) Paver units shall be Concrete pavers by Unilock or approved substitute
 - (ii) Size: 7.87"x3.94"x 2.76"
 - (iii) Color: Mocha Brown
 - (iv) Finish: 3000 Exposed Aggregate Finish
 - c. Where partial bricks are needed to complete a pattern, said partial bricks shall be cut in conformance with manufacturer recommendations.
 - d. Partial bricks of less than 2 inches in length or 2 inches in width shall not be used, but the contractor shall utilize a "double" brick size of either twice the nominal length or width and cut as needed. Double bricks shall match the appearance of two single bricks laid end-to-end in pattern, finish, and color.
 - e. Joint Sand

5. Decorative brick pavers system will be measured by the square yard, complete in place.
6. Excavation, backfill, subgrade preparation, furnishing and installing the completed base, leveling course, edge restraints, labor, materials, and all necessary incidentals shall be included in the cost of brick pavers.
7. All cutting of pavers or special paver placement to fit with castings or other features as directed by the City shall be incidental to the cost of the work.
8. The accepted quantity of decorative brick will be paid for at the contract unit price per square yard for DECORATIVE BRICK as indicated on the itemized proposal sheet.

LXXXIV. PCCP FOR APPROACHES

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 610
- B. Additions:
 1. All driveway approaches shall be built according to the details as shown on City of South Bend's "Design and Construction Standards" and as shown on the Plans.
 2. The use of slag or local aggregate will not be permitted.
 3. Tooled joints shall be placed in all driveways to match the sidewalk jointing pattern as shown on the plans or as directed. The cost of providing the tooled joint pattern will not be paid for separately but shall be included in the cost of the driveway.
 4. The accepted quantities of PCCP for approaches will be paid for at the contract unit price per square yard for PCCP FOR APPROACHES, (thickness) IN as indicated on the itemized proposal sheet.

LXXXV. PERMEABLE PAVEMENT

- A. Prevailing Specifications: none
- B. Additions:
 1. This work includes all labor, materials, equipment, and incidentals required and perform all operations in connection with the installation of the permeable pavement in accordance with the lines, grades, design and dimensions shown on the plans, as specified herein, and as directed.
 2. The permeable pavement shall be PaveDrain® System (Block color Gray) as represented by:

LOCAL

D2 Land & Water Resources
info@d2lwr.com
PH. (800) 597-2180
www.d2lwr.com

NATIONAL

PaveDrain, LLC
info@pavedrain.com
PH. (888) 575-5339
www.pavedrain.com

3. Subgrade shall be prepared in accordance with the plans and Manufacturer's approved recommendations.
4. Geotextile separator material shall be TenCate Mirafi RS580i in accordance with Manufacturer's approved recommendations.
5. Quarried aggregate or crushed concrete shall not be allowed. Aggregate material shall be INDOT approved #8 ACBF Coarse Aggregate Class AP from a Manufacturer's approved source. Current Manufacturer's approved source is Phoenix Services, LLC. Approved aggregate material shall be placed and compacted in accordance with the Standard Specifications.

B. Additions:

1. Manufacturer Description:

a. Type A:

- (i) Kim Lighting. Cat. 1A-CCS21A3E35-120L5KXXX-WH-6" ARM WITH RTSP16-6.6-11-WHT-DM10-BC-PSAB (ESL Spectrum Ltg. (574) 255-2151) One – 6" bracket arm, or approved equal.
- (ii) Lamp: Single Head Led 10258 Lamp Lumens, 5,000k, Type III Distribution.
- (iii) Finish to be: White
- (iv) Voltage: 277V
- (v) Pole shall be: Round Tapered Steel

b. Type B:

- (i) Beacon Lighting. Cat. WIN40/AF/60NB-136/3K/UNV/DIR5/PT/BBT, (2) AA-0024/5MTC/BA/2X/BBT CENB/F/16/5M/TN/GFI-IU/BBT (ESL Spectrum Ltg. (574) 255-2151), or approved equal.
- (ii) Lamp: LED 3,000K, Type V Distribution.
- (iii) Finish to be: Black, to Match Existing
- (iv) Voltage: 120V
- (v) Windsor Series Single Led Fixture With 16 Ft Pole, Aluminum Fluted, Semi Recessed Duplex GFI Recept. With In-Use Weatherproof Cover With Double Banner Arms. Color Black

c. Type C:

- (i) Beacon Lighting. Cat. WIN40/AF/60NB-136/3K/UNV/DIR5/PT/BBT, (2) AA-0024/5MTC/BA/BBT, CENB/F/16/5M/TN/GFI-IU/BBT (ESL Spectrum Ltg. (574) 255-2151), or approved equal.
- (ii) Lamp: LED 3,000K, Type V Distribution.
- (iii) Finish to be: Black, to Match Existing
- (iv) Voltage: 120V
- (v) Windsor Series Single Led Fixture With 16 Ft Pole, Aluminum Fluted, Semi Recessed Duplex GFI Recept. With In-Use Weatherproof Cover With Single Banner Arms. Color Black

d. Type D:

- (i) Beacon Lighting. Cat. (2) WIN40/AF/60NB-136/3K/DIR3/PT/BBT, (2) AA-0024/5MTC/BA/BBT, AA-65/F/5/C/T/BBT, CENB/F/23/5M/TN/GFI-IU/BBT.
- (ii) Lamp: LED 3,000K, Type III Distribution.
- (iii) Finish to be: Black, to Match Existing
- (iv) Voltage: 120V
- (v) Windsor Series Twin Head Led Fixture, Twin Head Bracket With 23 Ft Pole, Aluminum Fluted, Semi Recessed Duplex GFI Recept. With In-Use Weatherproof Cover With Single Banner Arms. Color Black

e. Type E:

- (i) Beacon Lighting. Cat. WIN40/AF/60NB-136/3K/UNV/DIR5/PT/BBT, (2) AA-0024/5MTC/BA/2X/BBT, CENB/F/16/5M/TN/GFI-IU/BBT (ESL Spectrum Ltg. (574) 255-2151), or approved equal.
- (ii) Lamp: LED 3,000K, Type V Distribution.
- (iii) Finish to be: Black, to Match Existing.
- (iv) Voltage: 120V
- (v) Windsor Series Single Led Fixture With 16 Ft Pole, Aluminum Fluted, Semi Recessed Duplex GFI Recept. With In-Use Weatherproof Cover With Single Banner Arms. Color Black

f. Type F:

- (i) Kim Lighting. Cat. EL218F3-8L3KUV-BL, SM18-BL-P (ESL Spectrum Ltg. (574) 255-2151).
 - (ii) Lamp: LED 3,000K, Micro Floodlight.
 - (iii) Finish to be: Black
 - (iv) Base color: Black
- g. Type G:
- (i) Beacon Lighting. Cat. CDT/24NB/55/3K/5x3/UNV/BBT/HV (Cadet Floodlight), Kim Lighting Base Cat. SM18/BL/P (Light Base) (ESL Spectrum Ltg. (574) 255-2151).
 - (ii) Lamp: LED 3,000K, Cadet Floodlight.
 - (iii) Finish to be: Black
 - (iv) Base color: Black
- h. Light Standards shall include the cost of the pole, [LED luminaires as specified](#) mounted on the pole, bracket arms, all wiring in the pole from the base to the luminaire and all connections required to complete the wiring in the base of the pole, material, labor, equipment and appurtenances, complete in place and operational.
- i. [The Contractor shall deliver a total of twelve \(12\) additional Light Standard, Type C, four \(4\) Light Standard Type D and ten \(10\) Light Standard Type F, to be used as spares, to the City of South Bend Bureau of Traffic and Lighting. Spares shall be both the pole and luminaire and any finials, posts, fittings, banner arms, covers, etc. necessary to have a complete assembly. Final payment will not be released until all spare parts are delivered.](#)
- j. The accepted quantities of the specified light standards will be paid for at the contract unit price per each for LIGHT STANDARD, TYPE as indicated on the itemized proposal sheet.

CXL. LIGHT POLE FOUNDATION

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 807
- B. Additions:
 - 1. Each Street Light and Drive light will be mounted on a concrete foundation, as shown on the plans.
 - 2. The contractor is advised to order lighting materials as soon as possible due to the project schedule limits.
 - 3. The cost of the Light Pole Foundation shall include the anchor bolts, reinforcing steel, grounding, concrete, materials, labor, equipment and appurtenances required to construct the foundation complete and in place.
 - 4. Light Pole Foundation will be paid for at the contract unit price [per each for the diameter and length](#) for "Light Standard Foundation, (dia.) FT. x (length) FT....EACH" as indicated on the itemized proposal sheet.

CXLI. ORNAMENTAL LIGHTING

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 807.
- B. Additions:
 - 1. This work shall consist of purchasing and installing street light poles and ornamental street light luminaires.
 - 2. All materials shall be in accordance with Section 807.03 and as specified below:
 - a. Single Light Pole, 18' Pole and Post Mounted Luminaire:

CXLVII. WIRELESS VEHICLE DETECTION SYSTEM

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 805.
- B. Additions:
1. This work shall consist of furnishing, **installing, and relocating** wireless vehicle detection systems for vehicle detection at traffic signals as identified on the plans.
 2. The wireless vehicle detection system (WVDS), is comprised of wireless magnetometer detectors, contact closure cards, receiver processors, and wireless repeaters installed for a signalized intersection. The system shall be capable of monitoring vehicles on a roadway via detection of changes in inductance caused by the presence or passage of a vehicle and shall provide detector outputs to a traffic signal controller.
 3. The WVDS shall include magnetometer detectors, a minimum of two receiver processors, the required mounting equipment, cables, rack mounted cards, set-up and operating software, all connectors, and miscellaneous equipment necessary for the installation and operation of the system. If required, the WVDS shall also include wireless repeaters.
 4. Only models from the Department's approved materials list for traffic signal control equipment shall be used.
 5. Ethernet cable for wireless vehicle detectors shall be outdoor rated and UV shielded.
 6. Prior to the installation, the Contractor shall test all wireless magnetometer detectors and demonstrate proper operation and communication between the wireless magnetometer detectors and the receiver processor and wireless repeater, if required.
 7. Prior to the installation, the Contractor shall demonstrate that each wireless magnetometer detector is within range of its corresponding receiver processor, using wireless repeaters as necessary. All wireless magnetometer detectors assigned to either a receiver processor or wireless repeater shall be located within a 120° arc measured from the receiver processor or wireless repeater.
 8. The Contractor shall install each wireless magnetometer detector in the roadway according to the manufacturer's recommendations with one wireless magnetometer detector programmed to count vehicles for each through travel lane. Holes cored in the pavement shall be cleaned and dried before installing wireless magnetometer detectors. The cored pavement shall be backfilled according to the manufacturer's recommendations.
 9. Receiver processors and wireless repeaters shall be mounted on traffic signal steel strain, or cantilever poles, or signal pedestals on type A foundations. The mounting height of receiver processors above the pavement surface shall be between 20 ft and 35 ft. The mounting height of wireless repeaters above the pavement surface shall be between 13 ft and 35 ft.

10. The minimum distance between a receiver processor and wireless repeater mounted on the same structure shall be 2 ft. This distance may be increased to enable better communication between the devices.
11. After installation, the Contractor shall demonstrate successful communication between each wireless magnetometer detector, receiver processor, and wireless repeater to the Engineer.
12. Wireless magnetometer detectors, contact closure cards, receiver processors and wireless repeaters will be measured by the number of units installed.
13. Wireless magnetometer detectors, contact closure cards, receiver processors and wireless repeaters will be paid for at the contract unit price per each:
 - a. Contact Closure CardEACH
 - b. Receiver ProcessorEACH
 - c. Wireless Magnetometer Detector, NewEACH
 - d. Wireless RepeaterEACH
 - e. Wireless Magnetometer Detector, RelocatedEACH
14. The cost of coring the pavement, sealant, and all work necessary for proper installation and operation of the wireless magnetometer detectors shall be included in the cost of the wireless magnetometer detector.
15. The cost of cables, connectors, set-up and operating software, access boxes, rack mounted expansion cards, and all hardware necessary to complete the installation shall be included in the cost of the contact closure cards.
16. The cost of required mounting equipment, cables, connectors, and miscellaneous equipment necessary for proper installation and operation of the receiver processors shall be included in the cost of the receiver processors.
17. The cost of required mounting equipment, connectors, and miscellaneous equipment necessary for proper installation and operation of the wireless repeaters shall be included in the cost of the wireless repeaters.
18. New and relocated wireless detectors, where specified in the plans, shall be installed per the diagram provided on INDOT Standard Drawing E 805-T-173d.
19. Wireless magnetometers are currently in use at the intersection of Main Street and LaSalle Avenue. These existing magnetometers shall be maintained in place or relocated as depicted in the plans. All wireless magnetometers shall be mapped to the signal controller as indicated in the plans.
20. Wireless magnetometers are currently in use at the intersection of Michigan Street and North Shore Drive. These existing magnetometers shall be maintained in place or relocated as depicted in the plans. All wireless magnetometers shall be mapped to the signal controller as indicated in the plans.

at the contract price for SIGNAL CANTILEVER STRUCTURE, SINGLE TRUSS ARM (EACH). Foundations for these structures shall be, constructed per the details provided in said standard drawings and paid for at the contract unit price for SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE A.

- a. Including Intersection Numbers 32, 50, and 51 as shown on the plans.
3. All new signal cantilever structures located north of Sample Street and south of Marion Street shall be cantilever truss type arms per INDOT 1998 standard drawings and shall match the style of existing signal cantilever structures located within this portion of the project limits. All signal cantilever structures of this type shall be painted per Special Provision **CLXIX**, and be paid for at the contract price for SIGNAL CANTILEVER STRUCTURE, SINGLE TRUSS ARM (EACH). Foundations for these structures shall be, constructed per the details provided in said standard drawings and paid for at the contract unit price for SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE A.
 - a. Including Intersection Numbers 20 through 27, 38, 43 through 45, and 54 through 58 as shown on the plans
4. The contractor is advised to order new signal cantilever structures as soon as possible due to the project schedule.

CLVIII. CONDUIT, HDPE, SCHEDULE 80

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 805.
- B. Additions:
 1. An undistributed quantity of 3 IN HDPE Schedule 80 conduit is included for connection of conduit from new service pedestals with single meters to the existing service points.
 2. An undistributed quantity of 4 IN HDPE Schedule 80 conduit is included for connection of conduit from new service pedestals with dual meters to the existing service points.
 3. Conduit will be paid for at the contract price per linear foot for CONDUIT, HDPE, SCHEDULE 80, (diameter) as indicated on the itemized proposal sheet.

CLIX. TRAFFIC SIGNAL HEAD, 3 SECTION, 12" RED AMBER GREEN BIKE SIGNALS

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 805.
- B. Additions:
 1. Traffic signal head shall consist of a standard 3 section signal head with 12 inch lenses each depicting a bicycle symbol as indicated in the plans.
 2. This bike traffic signal will be measured and paid for at the contract price per each installation for BIKE TRAFFIC SIGNAL HEAD, 3 SECTION, 12 IN as indicated on the itemized proposal sheet. The cost of required mounting equipment, connectors, and miscellaneous equipment necessary for proper installation and operation shall be included in the cost of the pay item.

CLX. DECORATIVE SIGNAGE FOR CYCLE TRACK

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 802.
- B. Additions:
 1. This work shall consist of fabricating and placing cycle track signs as indicated on plans. This signage package consists of custom exterior architectural signage. Sign contractor to furnish all labor, materials, services, equipment and apparatus whether necessary or incidental to complete installation of all sign types required for the project as shown in construction plans and specified herein.
 2. Sign contractor shall coordinate and provide sign component design services necessary to

CLXXI. SIGNAL TIMINGS

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 805.
- B. Additions:
 - 1. Signal timings for the proposed two-way streets will be provided by the Engineer.
 - 2. The contractor shall notify the City and the Engineer one week in advance of opening street(s) to two-way traffic to provide time for the signal timings to be implemented.

CLXXII. FIELD OFFICE

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 628.
- B. Additions:
 - 1. Temporary Right-of-Way located in Division B, Part 2, Parcel 35 has been identified as excess land and a potential location for the Field Office.
 - 2. Field Office, C will be paid for at the contract unit price per month, complete in place until released.

CLXXIII. COORDINATION WITH EMNET FACILITIES

- A. Prevailing Specifications: None.
- B. Additions:
 - 1. The Contractor is alerted to the presence of existing EmNet equipment on certain signal poles within the project limits. If EmNet equipment is located on a signal pole to be removed or relocated within the project, the Contractor shall coordinate with EmNet for the removal of said equipment prior to initiating the work.
 - 2. The Contractor is alerted to the presence of existing EmNet sensors attached to certain manhole covers within the project limits. The Contractor shall inspect all manholes to be impacted by the work, including but not limited to manhole removal, replacement, and adjusting casting to grade, for the presence of sensors prior to disturbance of the existing manhole. If EmNet equipment is located on a manhole within the project, the Contractor shall coordinate with EmNet for the removal of said equipment prior to initiating the work.
 - 3. The following locations are specifically noted for the presence of EmNet Equipment:
 - a. Main Street and LaSalle Avenue – Gateway on signal pole in northwest quadrant
 - b. Main Street and Chippewa Avenue - Gateway on signal pole in southeast quadrant
 - c. Main Street and Jefferson Boulevard – Repeater on signal pole in northwest quadrant
 - d. Main Street between Jefferson Blvd and Washington St. –
 - (i) A manhole near Sta. 745+16 "MAI", 0' Rt. will be replaced by EmNET. Contractor shall adjust casting to grade as shown in the plans in conjunction with casting replacement by others. Contractor shall coordinate manhole replacement with EmNet.
 - e. Michigan Street and LaSalle Avenue – Gateway on light pole
 - f. LaSalle Avenue between Michigan St. and Main St. –
 - (i) A manhole approximately 100' west of Michigan St. will be replaced by EmNET. Contractor shall coordinate manhole replacement with EmNet.

- g. Michigan Street and South Avenue – Gateway on signal pole in northwest quadrant
 - (i) A manhole near Sta. 423+41 “MIC”, 0’ Rt. will be replaced by EmNET. Contractor shall coordinate manhole replacement with EmNet.
- 4. The City contact for coordinating the EmNet facilities is Mr. Jeromy Slater, (574) 387-9387, mawrot@southbendin.gov.

CLXXIV. SOLAR POWERED FLASHING LED WARNING SIGN ASSEMBLY

- A. Prevailing Specifications: 2016, INDOT Standard Specifications Section 805.
- B. Additions:
 - 1. This work shall consist of the installation of a pedestal mounted solar powered speed limit flashing beacon assembly in accordance with 105.03.
 - 2. Materials shall be in accordance with 805.02 and the following:
 - a. Traffic Signs: 919.01
 - b. Traffic Signal Materials and Equipment: 922
 - 3. The solar powered flasher shall be from the INDOT Approved List of Traffic Signal and ITS Control Equipment.
 - 4. The pedestal mounted solar powered speed limit flashing beacon assembly shall be installed as shown on the plans, in accordance with the standard drawings and manufacturer recommendations.
 - 5. The pedestal mounted solar powered speed limit flashing beacon assembly will be measured by each assembly, complete in place. The cost shall include the foundation, signal pedestal, LED signs and any sheet signs that are required for a complete installation.
 - 6. The pedestal mounted solar powered speed limit flashing beacon assembly post and base shall be powder coated black.
 - 7. The pedestal mounted Solar Powered Speed Limit Flashing Beacon Assembly will be paid for at the contract unit price per Each.
 - 8. The costs of the flashing beacons, batteries, controls, cabinet, wiring, solar panels, hardware necessary to attach all appurtenances to the structural support, and all required labor and incidentals shall be included in the cost of the solar powered flashing beacon assembly.
 - 9. Incidental costs associated with the installation of the sign pedestal foundation, signal pedestal, and sheet sign shall be included in the cost of the pay item.

CLXXV. STORMWATER QUALITY TREATMENT UNIT

- A. Prevailing Specifications: None
- B. Additions:
 - 1. This work shall consist of furnishing and installing a stormwater quality treatment unit at the locations shown and detailed on the plans.

2. The manufacturer shall be:

Contech Engineered Solutions
ATTN: Lance Williams
LWilliams@conteches.com Email
Main Phone: 859-903-3993
Mobile Phone: 859-903-3993

3. The water quality model shall be CDS model 3035-6 with curb inlet, per CDS project No. 535541, sequence No. 10 Details, or engineer approved equivalent. Manufacturer to supply documentation indicating 80% TSS removal. Design particle size shall be 110 micron or smaller for the evaluation of removal efficiency. Design treatment rate shall be 3.1 cfs, with the ability of the structure to pass a total flow of no less than 19.5 cfs without significant additional headloss, in order to accommodate a full range of potential discharges experienced within the system.
4. The Contractor shall submit dimensioned scalable shop drawings for all water quality treatment units which clearly indicate the base elevation of the structure, inverts of all incoming and outgoing pipes, top of slab, casting elevations, and other pertinent elevations of the structures components.
5. Method of Measurement: Accepted quantities of stormwater quality treatment shall be measured per each unit installed.
6. Basis of Payment: This work will be paid for each accepted stormwater quality treatment unit. Such payment shall constitute full payment for furnishing the unit and all required appurtenances thereto as shown on the plans and specified herein.
7. The costs of excavation, backfill, reinforcing steel, B borrow or other Engineer approved or required material for structure backfill, concrete collar required for pipe connection to structures, removal, disposal and replacement of pavement, or surface material, and necessary incidentals shall be included in the costs of the established pay items.
8. Payment will be made under: Stormwater Quality Treatment Unit...EACH

CLXXVI. EMERGENCY VEHICLE HYBRID BEACON

- A. Prevailing Specification: 2016, INDOT Standard Specifications Section 805.
- B. Additions:
 1. The Contractor shall install an emergency-vehicle hybrid beacon to be located along Michigan Street at the access point to the South Bend Fire Department's Central Fire Station (1222 S Michigan St) This hybrid beacon shall be constructed as per the plans and shall be actuated via an Opticom receiver that is compatible with the current Opticom equipment used by the South Bend Fire Department.
 2. The City shall provide the Contractor with the two (2) mast arms and one (1) controller cabinet with controller as indicated on the plans.
 3. Power service for the emergency-vehicle hybrid beacon shall be obtained from the Fire Department. The physical service point is assumed to be located in the northeast quadrant of the Central Fire Station. The Contractor shall coordinate this service point with the Fire Department and shall provide 3-inch conduit and service wire to connect the controller cabinet to the service point. Installation of said conduit shall utilize the directional bore

method to the greatest extent possible to avoid disruption of the fire station's operations.

4. Construction activities associated with this signal equipment shall be coordinated with the Fire Department in order to avoid impacting operations of emergency vehicles using the Central Fire Station.
5. The emergency-vehicle hybrid beacon shall be active prior to beginning the 90 day flashing period required for signal removal at the intersection of Michigan Street and Broadway Street.
6. Hybrid beacons will be paid for at the contract price for HYBRID BEACONS (EACH).
7. The Opticom receiver, confirmation light, conductors and phase selector shall be paid for at the contract unit price for EMERGENCY VEHICLE PREEMPTION (EACH).
8. All other signal equipment associated with the emergency-vehicle hybrid beacon is common to other traffic signal work to be performed under this contract and shall be paid for at the contract prices associated with said equipment.

CLXXVII. BICYCLE REPAIR STATION

A. Prevailing Specification: None.

B. Additions:

1. This work shall consist of furnishing and installing a bicycle repair station at the locations shown on the plans.
2. The bicycle repair station shall be Dero Fixit with Air Kit 2, powder coated deep red or approved equal.
3. The bicycle repair station shall be surface mounted in accordance with manufacturer's installation specifications.
4. The bicycle repair station will be measured by each furnished and installed complete in place.
5. The accepted quantity of bicycle repair stations will be paid for at the contract unit price per each for Bike Repair Station. The cost of furnishing and supplying the material, labor, equipment, foundation, and all necessary incidentals shall be included in the cost of this pay item.

CLXXVIII. PEDESTAL MOUNTED DRINKING FOUNTAIN

A. Prevailing Specification: None.

B. Additions:

1. This work shall consist of furnishing and installing a pedestal mounted drinking water fountain at the locations shown on the plans.
2. Materials
 - a. The pedestal mounted drinking fountain shall be Murdock, GR Series Model GRM44-FRU2, stainless steel finish or approved equal.

- b. Drinking Fountain Service Line shall be Type K copper.
 - c. HDPE Sleeve shall be used for Drinking Fountain Service Line crossing city street. 3/4" & 1" lines will use 3" HDPE sleeve from connection at existing water main to one foot behind the curb.
 - d. Corporation stops shall be of the brass, ball valve type manufactured in accordance with AWWA Standard C800. The inlet connection shall have standard AWWA tapered threads unless otherwise required by the Engineer. The outlet connection shall be brass compression connection. Dielectric unions shall be used to prevent transfer of any electrical stray currents from metallic service lines to metallic water main. The sizes shall match the size of specified service line material. Acceptable manufacturers are: Ford Meter Box Company, Mueller, A.Y. McDonald, or approved equal.
 - e. Curb stops shall be bronze body construction, ball valves, with double O-ring stem seals. Curb stops shall conform to AWWA Standard C800. End connections shall be suitable for copper or brass compression connection, as required. Sizes shall match the service line size. Acceptable manufacturers are: Ford Meter Box Company, Mueller, A.Y. McDonald, or approved equal.
 - f. Curb boxes shall be standard cast iron, sliding or screw type, 1" or 2-1/2" as required, complete with lid and head bolt. Boxes shall be adjustable from 18-inches to 66-inches. Acceptable manufacturers: Union, Tyler, or approved equal.
 - g. Drinking Fountain Drain Line shall be CI 160 PVC SDR 26, standard weight. PVC fittings for the drain line shall be solvent weld schedule 40 standard weight. Attachments shall be made with both a primer and solvent cement as approved by the manufacturer.
3. The pedestal mounted drinking fountain shall be mounted in accordance with manufacturer's installation specifications.
 4. Method of Measurement
 - a. The pedestal mounted drinking fountain will be measured by each furnished and installed complete in place.
 - b. The accepted quantities for Drinking Fountain Service Line will be measured by the linear foot, complete in place. The length of pipe to be measured for payment will be based on the actual length of pipe installed. The saddle tap, corporation stop, curb stop, curb box, 3-inch HDPE sleeve, and compacted structural backfill shall be included as part of the service line, and will not be measured for payment.
 - c. The accepted quantities for Drinking Fountain Drain Line will be measured by the linear foot, complete in place. The length of pipe to be measured for payment will be based on the actual length of pipe installed. Any fittings required and compacted structural backfill shall be included as part of the service line, and will not be measured for payment.
 5. Basis of Payment
 - a. The accepted quantity of pedestal mounted drinking fountains will be paid for at the contract unit price per each for Pedestal Mounted Drinking Fountain. The cost of furnishing and supplying the material, labor, equipment, foundation, and all necessary incidentals shall be included in the cost of this pay item.

- b. The acceptable quantities of Drinking Fountain Service Line will be paid for at the contract unit price per linear foot of the type and diameter installed, complete in place. Excavation, protection of existing utilities, disinfection, and backfilling are included in the cost of the pipe and will not be paid for separately.
- c. The acceptable quantities of Drinking Fountain Drain Line will be paid for at the contract unit price per linear foot of the type and diameter installed, complete in place. Excavation, protection of existing utilities, and backfilling are included in the cost of the pipe and will not be paid for separately.



**CITY OF SOUTH BEND, INDIANA
CONTRACTOR'S BID FOR PUBLIC WORK
CHECKLIST FOR BIDDERS**

Project Name South Bend One-Way to Two-Way Street Conversion
Project No. 116-001
For Bids Due February 23, 2016

From time to time the South Bend Board of Public Works finds it necessary to reject a bid because it does not comply with statutory requirements. In preparing your bid, please use the following checklist in order to make sure that your bid is done in the proper manner.

___ Proper bid security included. The bidder has the option of providing either a Certified Check or Bid Bond.

___ Bid prepared on the City of South Bend Contractor's Bid for Public Work Form, completely executed.

___ Contractor's Non-Collusion and Non-Debarment Affidavit, Certification Regarding Investments with Iran, Employment Eligibility Verification, Non-Discrimination Commitment, and Certification of use of United States Steel Products or Foundry Products.

___ Proof of MBE/WBE Participation Goal Form [MWBE-1.0]. If minimum participation goal is not met, also provide Evidence of Good Faith Efforts Form [MWBE-2.0] and MBE/WBE Contacted Form [MWBE-2.1].

___ Acknowledge Receipt of ___ Addendum(s) included with the bid.

___ All required additional information is included with the bid.

___ Proposal statements and other affidavits all signed by the proper party with name either printed or typed underneath signature.

___ This checklist submitted with the Bid.

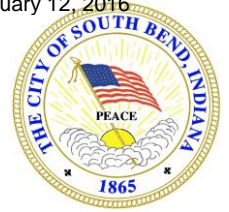
This checklist is provided for bidder's use in assuring compliance with required documentation; however, it does not include all specifications requirements and does not relieve the bidder of the need to read and comply with the specifications.

Bidder: _____ Date: _____

By Authorized Representative:

Signature: _____

Print Name & Title: _____



CITY OF SOUTH BEND, INDIANA CONTRACTOR'S BID FOR PUBLIC WORK

Project Name South Bend One-Way to Two-Way Street Conversion

Project No. 116-001

For Bids Due February 23, 2016

PART I

(Must be completed for all bids. Please type or print)

Date: _____ Bidder (Firm): _____

Address: _____

City/State/Zip: _____ Telephone Number: (____) _____

Agent of Bidder (if Applicable): _____

Pursuant to notices given, the undersigned offers to furnish labor and/or material necessary to complete the public works project of:

_____ the City of South Bend, Indiana, in accordance with plans and specifications prepared by:

_____ and dated _____ for the sum of (enter the Total Bid as shown on the Proposal)

_____ (Enter sum of Total Bid plus Alternates shown on Proposal)

_____ (\$ _____)

_____ (Numerical)

The undersigned acknowledges the receipt of Addendum Number(s) _____ in the submission of this bid.

The undersigned further agrees to furnish a bond or certified check with this bid for an amount specified in the notice of the letting. If alternative bids apply, the undersigned submits a proposal for each in accordance with the notice. Any addendums attached will be specifically referenced at the applicable page.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the City of South Bend. If the bid is to be awarded on a unit basis, the itemization of the units shall be shown on a separate attachment.

By _____ (Signature)

_____ (Printed Name of Person Signing)

ACCEPTANCE

The above bid is accepted this _____ day of _____ 20 _____

Subject to the following conditions: _____

BOARD OF PUBLIC WORKS

Gary A. Gilot, President

David P. Relos, Member

Elizabeth A. Maradik, Member

Brian J. Pawlowski, Member

James A. Mueller, Member

Attest: Linda M. Martin, Clerk



**BID / PROPOSAL
CITY OF SOUTH BEND**

Project Name **South Bend One-Way to Two-Way Conversion**

Project No. **116-001 Div. A**

For Bids Due **February 23, 2016**

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
BASE BID PAY ITEMS					
1	CONSTRUCTION ENGINEERING	1	LS		
2	CPM SCHEDULE	1	LS		
3	CMP SCHEDULE, MONTHLY UPDATE	8	EACH		
4	MOBILIZATION AND DEMOBILIZATION	1	LS		
5	VIDEO RECORD	1	LS		
6	UTILITY ALLOWANCE	10,000	DOL	\$1.00	\$10,000.00
7	<Pay Item Deleted>			---	---
8	UNDISTRIBUTED ALLOWANCE	35,000	DOL	\$1.00	\$35,000.00
9	CLEARING RIGHT OF WAY	1	LS		
10	TESTING FOR ASBESTOS	2	EACH		
11	PAVEMENT REMOVAL	8,396	SYS		
12	CURB, CONCRETE, REMOVE	226	LFT		
13	HOUSES AND BUILDINGS, REMOVE, PARCEL NO 13	1	LS		
14	HOUSES AND BUILDINGS, REMOVE, PARCEL NO 14	1	LS		
15	SIDEWALK, CONCRETE, REMOVE	1,458	SYS		
16	INLET, REMOVE	11	EACH		
17	MANHOLE, REMOVE	1	EACH		
18	<Pay Item Deleted>			---	---
19	EXCAVATION, COMMON	2,000	CYS		
20	BORROW	1,800	CYS		
21	DEWATERING AND PROTECTION OF EXISTING STRUCTURES	1	LS		
22	TEMPORARY INLET PROTECTION	67	EACH		
23	TEMPORARY SILT FENCE	2,244	LFT		
24	NO 2 STONE	100	TON		
25	SUBGRADE TREATMENT, TYPE I	8,504	SYS		
26	SUBGRADE TREATMENT, TYPE II	542	SYS		
27	SUBGRADE TREATMENT, TYPE III	227	SYS		
28	SUBGRADE TREATMENT, TYPE IC	365	SYS		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
29	STRUCTURAL BACKFILL, TYPE 2	552	CYS		
30	COMPACTED AGGREGATE, NO. 53, BASE	1,044	TON		
31	SUBBASE FOR PCCP	1,376	CYS		
32	WIDENING WITH HMA, TYPE D	31	TON		
33	MILLING, ASPHALT, 1 1/2 IN	1,768	SYS		
34	MILLING, PROFILE	2,355	SYS		
35	QC/QA-HMA, 3, 70, SURFACE, 9.5 mm	538	TON		
36	QC/QA-HMA, 3, 70, INTERMEDIATE, 19.0 mm	634	TON		
37	QC/QA-HMA, 3, 64, BASE, 25.0 mm	1,065	TON		
38	JOINT ADHESIVE, SURFACE	3,482	LFT		
39	JOINT ADHESIVE, INTERMEDIATE	2,252	LFT		
40	LIQUID ASPHALT SEALANT	3,482	LFT		
41	ASPHALT FOR TACK COAT	4	TON		
42	QC/QA-PCCP, 10 IN	4,532	SYS		
43	CORING, PCCP	1	LS		
44	PCCP, 10 IN , DECORATIVE	438	SYS		
45	PCCP, 6 IN	401	SYS		
46	PCCP, COLORED, 6 IN	200	SYS		
47	6" PCCP BANDING	35	LFT		
48	D-1 CONTRACTION JOINT	3,376	LFT		
49	SLEEPER SLAB	485	LFT		
50	<Pay Item Deleted>			---	---
51	DECORATIVE PICKET FENCE	72	LFT		
52	HMA FOR SIDEWALK	41	TON		
53	SIDEWALK, CONCRETE, 4"	1,094	SYS		
54	CURB RAMP, CONCRETE, A	20	SYS		
55	CURB RAMP, CONCRETE, C	64	SYS		
56	CURB RAMP, CONCRETE, D	8	SYS		
57	CURB RAMP, CONCRETE, G	9	SYS		
58	CURB RAMP, CONCRETE, L	27	SYS		
59	CURB, CONCRETE	1,669	LFT		
60	CURB AND GUTTER, COMBINED	923	LFT		
61	CENTER CURB, D, CONCRETE	22	SYS		
62	PCCP FOR APPROACHES, 6 IN	33	SYS		
63	PCCP FOR APPROACHES, 9 IN	509	SYS		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
64	MAILBOX ASSEMBLY, SINGLE	6	EACH		
65	BENCH MARK POST, RESET	1	EACH		
66	INSPECTION HOLE	10	EACH		
67	MOBILIZATION AND DEMOBILIZATION FOR SEEDING	4	EACH		
68	FERTILIZER	1	TON		
69	<Pay Item Deleted>			---	---
70	SODDING, NURSERY AND TOPSOIL	4,837	SYS		
71	BRICK PAVERS	445	SYS		
72	IRRIGATION, TREE WATERING SYSTEM	23	EACH		
73	OVERSTORY TREE, 2" CALIPER	23	EACH		
74	ORNAMENTAL TREE, 2", CALIPER	6	EACH		
75	PERENNIAL, NO. 1 CONTAINER	266	EACH		
76	ORNAMENTAL GRASS, NO. 1 CONTAINER	67	EACH		
77	SHRUB, NO.3 CONTAINER	171	EACH		
78	GROUNDCOVER, PLUG	1,670	EACH		
79	SHREDDED HARDWOOD MULCH	60	CYS		
80	LANDSCAPE EDGING	105	LFT		
81	GATOR WATERING BAG	23	EACH		
82	IRRIGATION, LANDSCAPE	4,645	SFT		
83	REINFORCING STEEL	1	TON		
84	MODULAR FACE BRICK	1,425	SFT		
85	UPPER RETAINING WALLS	75	LFT		
86	LOWER RETAINING WALLS	110	LFT		
87	CONCRETE COLUMNS	60	CYS		
88	CONCRETE MONUMENT FOOTING	17	CYS		
89	4" MONUMENT RING CONCRETE	20	SYS		
90	24" WIDE PRECAST CONCRETE WALL CAP	182	LFT		
91	56" SQ PRECAST CONCRETE CAP	4	EACH		
92	68" SQ PRECAST CONCRETE CAP	4	EACH		
93	PRECAST CONCRETE PLANTER	4	EACH		
94	METER PIT	1	LS		
95	ADJUST WATER SERVICE LINE, RESIDENTIAL	2	EACH		
96	TAP, WATER SERVICE, 1-INCH (CITY TAP FEE)	2	EACH		
97	CAP EXISTING WATER SERVICE LINE	2	EACH		
98	PIPE, TYPE 2 CIRCULAR 12 IN (WATER MAIN GRADE)	103	LFT		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
99	PIPE, TYPE 2 CIRCULAR 15 IN (WATER MAIN GRADE)	188	LFT		
100	PIPE, TYPE 2 CIRCULAR 18 IN (WATER MAIN GRADE)	37	LFT		
101	PIPE, TYPE 2 CIRCULAR 12 IN	629	LFT		
102	PIPE, TYPE 2 CIRCULAR 15 IN	356	LFT		
103	PIPE, TYPE 2 CIRCULAR 18 IN	176	LFT		
104	HMA FOR STRUCTURE INSTALLATION, TYPE A	57	TON		
105	PIPE, PLUG EXISTING	4	EACH		
106	DRYWELL	3	EACH		
107	CASTING, ADJUST TO GRADE , MANHOLE	9	EACH		
108	CASTING, ADJUST TO GRADE, INLET	3	EACH		
109	CASTING, NEENAH R-1801-G, FURNISH AND ADJUST TO GRADE	2	EACH		
110	CASTING, NEENAH R-3457-C2, FURNISH AND ADJUST TO GRADE	5	EACH		
111	INLET, R13	3	EACH		
112	PIPE CATCH BASIN, 24 IN	3	EACH		
113	STRUCTURE, MANHOLE, RECONSTRUCTED	5	LFT		
114	STRUCTURE, INLET, RECONSTRUCTED	3	LFT		
115	INLET, B15	11	EACH		
116	INLET, C15	19	EACH		
117	CONSTRUCTION SIGN, C	5	EACH		
118	CONSTRUCTION SIGN, BUSINESS SERVICE, TYPE C	4	EACH		
119	TEMPORARY PAVEMENT MARKING, 4 IN	23,270	LFT		
120	TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN	3,210	LFT		
121	TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW	6	EACH		
122	CONSTRUCTION SIGN, A	78	EACH		
123	CONSTRUCTION SIGN, B	14	EACH		
124	MAINTAINING TRAFFIC	1	LS		
125	BARRICADE, III-B	48	LFT		
126	SIGNAL HEAD, RELOCATE	9	EACH		
127	SIGN POST, SQUARE, TYPE 1, UNREINFORCED ANCHOR BASE	688	LFT		
128	SIGN POST, SQUARE, TYPE 2, UNREINFORCED ANCHOR BASE	72	LFT		
129	SIGN, SHEET ASSEMBLY, RELOCATE	19	EACH		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
130	CABLE SPAN SIGN STRUCTURE FOUNDATION, IV	2	EACH		
131	SIGN, SHEET, WITH LEGEND 0.080"	243	SFT		
132	SIGN, SHEET, WITH LEGEND 0.100 IN	353	SFT		
133	SIGN, SHEET, WITH LEGEND 0.125 IN THICKNESS	77	SFT		
134	SIGN STRUCTURE, SALVAGE	2	EACH		
135	OVERHEAD SIGN STRUCTURE, MONOTUBE, REMOVE	1	EACH		
136	OVERHEAD SIGN STRUCTURE, CABLESPAN	1	EACH		
137	ILUMINATED WALL LETTERING	1	LS		
138	TESCO CABINET W/DUAL SERVICE, FOUNDATION, WIRING & ETC	1	EACH		
139	TRAFFIC SIGNAL EQUIPMENT, REMOVE	4	EACH		
140	TESCO CABINET W/SINGLE SERVICE, FOUNDATION, WIRING & ETC	3	EACH		
141	SIGNAL POLE FOUNDATION, 36 IN X 144 IN	4	EACH		
142	HANDHOLE, SIGNAL, TYPE 1	12	EACH		
143	SIGNAL HANDHOLE ADJUST TO GRADE	4	EACH		
144	CONDUIT, HDPE, SCHEDULE 80, 2 IN	823	LFT		
145	PEDESTRIAN SIGNAL HEAD, 12 IN., RELOCATE	3	EACH		
146	PEDESTRIAN SIGNAL HEAD WITH INTERNATIONAL SYMBOLS, 12 IN, COUNTDOWN	8	EACH		
147	SIGNAL PEDESTAL FOUNDATION, A	6	EACH		
148	PVC SCHEDULE 80 CONDUIT, 3/4"	475	LFT		
149	SIGNAL POLE, PEDESTAL, 12FT	1	EACH		
150	<Pay Item Deleted>			---	---
151	<Pay Item Deleted>			---	---
152	<Pay Item Deleted>			---	---
153	SIGNAL CANTILEVER STRUCTURE, SINGLE TRUSS ARM 25 FT.	1	EACH		
154	SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE A	3	EACH		
155	THERMAL DETECTION CAMERA	6	EACH		
156	THERMAL DETECTION SYSTEM	3	LS		
157	TRAFFIC SIGNAL HEAD, 3 SECTION, 12 IN	7	EACH		
158	TRAFFIC SIGNAL HEAD, 5 SECTION, 12 IN	1	EACH		
159	SPAN, CATENARY, AND TETHER	4	EACH		
160	DISCONNECT HANGER	4	EACH		
161	SIGNAL CABLE, ROADWAY LOOP, COPPER 1C/14GA	480	LFT		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
162	SIGNAL CABLE, CONTROL, COPPER 5C/14GA	4,103	LFT		
163	<Pay Item Deleted>			---	---
164	SIGNAL CABLE, CONTROL, COPPER 7C/14GA	1,042	LFT		
165	SIGNAL CABLE, DETECTOR LEAD-IN COPPER 2C/16GA	164	LFT		
166	SIGNAL DETECTOR HOUSING	1	EACH		
167	SAW CUT FOR ROADWAY LOOP AND SEALANT	160	LFT		
168	SIGNAL STRAIN POLE, STEEL, 30 FT	4	EACH		
169	HANDHOLE, LIGHTING	2	EACH		
170	LIGHTING FOUNDATION	18	EACH		
171	STREET LIGHT	20	EACH		
172	PEDESTRIAN LIGHT	2	EACH		
173	WIRE NO. 4	3,130	LFT		
174	TRAFFIC SIGNAL CABLE, FIBER OPTIC, SINGLE-MODE	5,990	LFT		
175	TRAFFIC SIGNAL CABLE, FIBER OPTIC, MULTI-MODE	1,540	LFT		
176	CONDUIT, PVC, 2 IN, SCHEDULE 80	8,471	LFT		
177	NEW PANEL AND LIGHTING CONTACTOR	1	EACH		
178	LANDSCAPE LIGHTS, LED, TYPE 'F', NEW	21	EACH		
179	LANDSCAPE LIGHTS, LED, TYPE 'G', NEW	4	EACH		
180	NO. 3 WIRE	320	LFT		
181	NO. 8 WIRE	160	LFT		
182	WIRE NO. 10	3,900	LFT		
183	NO. 12 WIRE	225	LFT		
184	HANDHOLE, TRAFFIC	20	EACH		
185	CABLE-DUCT MARKER	4	EACH		
186	CONSTRUCTION LIGHTING	200	DAY		
187	LINE, THERMOPLASTIC, BROKEN, WHITE, 4 IN	168	LFT		
188	LINE, THERMOPLASTIC, SOLID, WHITE, 4 IN.	3,688	LFT		
189	LINE, REMOVE	4,945	LFT		
190	LINE, MULTI-COMPONENT, BROKEN, WHITE, 4 IN	47	LFT		
191	LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN	1,612	LFT		
192	<Pay Item Deleted>			---	---
193	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN	1,684	LFT		
194	<Pay Item Deleted>			---	---
195	<Pay Item Deleted>			---	---

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
196	<Pay Item Deleted>			---	---
197	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK	1,820	LFT		
198	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, LANE INDICATION ARROW	4	EACH		
199	<Pay Item Deleted>			---	---
200	TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK, WHITE, 24 IN.	234	LFT		
201	TRANSVERSE MARKING, MULTI-COMPONENT, SOILD, YELLOW, CROSSHATCH, 8 IN.	206	LFT		
202	PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, BIKE SYMBOL	27	EACH		
203	TRANSVERSE MARKINGS, MULTI-COMPONENT , YIELD LINE CHEVRON	90	LFT		
204	LINE, MULTI-COMPONENT, DOTTED, WHITE, 4 IN.	43	LFT		
205	LINE, THERMOPLASTIC, DOTTED, WHITE, 4 IN.	25	LFT		
206	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN	530	LFT		
207	LINE, THERMOPLASTIC, BROKEN, YELLOW, 4 IN	4,701	LFT		
208	LINE, THERMOPLASTIC, SOLID, YELLOW, 4 IN	20,968	LFT		
209	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 8"	94	LFT		
210	TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 24 IN	303	LFT		
211	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW	77	EACH		
212	FIBER OPTIC, CITY PARK RECONNECTION	1	LS		
213	NATIONAL GEODETIC SURVEY MONUMENT, REESTABLISH	1	LS		
214	8" STANDARD CURB, CONCRETE	545	LFT		
215	CURB RAMP, CONCRETE, B	59	SYS		
216	FIRE HYDRANT ASSEMBLY	1	EACH		
217	TEMPORARY TRANSVERSE PAVEMENT MARKING, REMOVABLE, STOP LINE, 24"	136	LFT		
218	DETOUR ROUTE MARKER ASSMEBLY	19	EACH		
219	FLASHING ARROW SIGN	540	DAY		
220	PORTABLE CHANGEABLE MESSAGE SIGN	1,080	DAY		
221	SIGNAL HEAD, COVER	8	EACH		
222	SIGNAL HEAD, TEMPORARY	4	EACH		
223	SOLAR POWERED FLASHING BEACON ASSEMBLY, RELOCATE	2	EACH		

Bidder Name: _____

Revised February 15, 2016 (Addendum #3)

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
224	MISCELLANEOUS EQUIPMENT FOR LIGHTING	1	LS		
225	<Pay Item Deleted>			---	---
226	PCCP, 5 IN.	33	SYS		
227	<Pay Item Deleted>			---	---
228	CURB RAMP, CONCRETE, F	8	SYS		
229	PEDESTRIAN PUSH BUTTON, NON-APS	24	EACH		
230	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, SHARE THE ROAD	27	EACH		
231	TRAFFIC SIGNAL HEAD, 3-SECTION, RELOCATE	7	EACH		
232	SIGNAL POLE, PEDESTAL, 4 FT.	3	EACH		
233	SEWER LATERAL, PRIVATE BUILDING, REINSTATEMENT	2	EACH		
234	SIGNAL CANTILEVER STRUCTURE, RELOCATE	2	EACH		
235	CONNECT TO EXISTING STRUCTURE	11	EACH		
236	LINE, THERMOPLASTIC, DOTTED, WHITE, 6 IN.	169	LFT		
237	PAINTING TRAFFIC SIGNALS	4	EACH		
238	SOLAR POWERED SPEED LIMIT FLASHING BEACON ASSEMBLY	4	EACH		
BASE BID TOTAL					

ALTERNATE NO. 1 BID PAY ITEMS					
301	MILLING, ASPHALT, 1 1/2 IN	53,595	SYS		
302	QC/QA-HMA, 4, 76, SURFACE, 9.5 mm	4,423	TON		
ALTERNATE NO. 1 BID TOTAL					

Bidder (Firm): _____

Address: _____

City/State/Zip: _____

Telephone Number: () _____

By _____
(Signature)

(Printed Name of Person Signing)



**BID / PROPOSAL
CITY OF SOUTH BEND**

Project Name **South Bend One-Way to Two-Way Conversion**

Project No. **116-001 Div. B**

For Bids Due **February 23, 2016**

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
BASE BID PAY ITEMS					
1	CONSTRUCTION ENGINEERING	1	LS		
2	RAILROAD INSURANCE	1	LS		
3	CPM SCHEDULE	1	LS		
4	CPM SCHEDULE, MONTHLY UPDATE	12	EACH		
5	MOBILIZATION AND DEMOBILIZATION	1	LS		
6	VIDEO RECORD	1	LS		
7	UTILITY ALLOWANCE	40,000	DOL	\$1.00	\$40,000.00
8	<Pay Item Deleted>			---	---
9	UNDISTRIBUTED ALLOWANCE	35,000	DOL	\$1.00	\$35,000.00
10	<Pay Item Deleted>			---	---
11	TREE, REMOVE	30	EACH		
12	CLEARING RIGHT OF WAY	1	LS		
13	TESTING FOR ASBESTOS	1	EACH		
14	PAVEMENT REMOVAL	29,987	SYS		
15	CURB, CONCRETE, REMOVE	15,721	LFT		
16	CURB AND GUTTER, REMOVE	7,367	LFT		
17	HOUSES AND BUILDINGS, REMOVE, PARCEL NO. 35	1	LS		
18	SIDEWALK, CONCRETE, REMOVE	16,724	SYS		
19	INLET, REMOVE	98	EACH		
20	LIGHT STANDARD AND FOUNDATION, REMOVE	141	EACH		
21	TRAFFIC SIGNAL EQUIPMENT, REMOVE	255	EACH		
22	<Pay Item Deleted>			---	---
23	FIRE HYDRANT ASSEMBLY, REMOVE	11	EACH		
24	FLAG POLE AND FOUNDATION, REMOVE	2	EACH		
25	EXCAVATION, COMMON	16,254	CYS		
26	BORROW	3,099	CYS		
27	<Pay Item Deleted>			---	---
28	TEMPORARY INLET PROTECTION	385	EACH		
29	TEMPORARY MULCH	10	TON		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
30	TEMPORARY SILT FENCE	1,184	LFT		
31	NO 2 STONE	400	TON		
32	TEMPORARY SEED MIXTURE	1,104	LBS		
33	SUBGRADE TREATMENT, TYPE I	10,725	SYS		
34	SUBGRADE TREATMENT, TYPE II	1,063	SYS		
35	SUBGRADE TREATMENT, TYPE IV	6,440	SYS		
36	SUBGRADE TREATMENT, TYPE IB	9,276	SYS		
37	STRUCTURAL BACKFILL, TYPE 1	3,437	CYS		
38	STRUCTURAL BACKFILL, TYPE 5	557	CYS		
39	COMPACTED AGGREGATE, NO. 53, BASE	5,242	TON		
40	DENSE GRADED SUBBASE	881	CYS		
41	<Pay Item Deleted>			---	---
42	HMA PATCHING, TYPE D	637	TON		
43	WIDENING WITH HMA, TYPE D	2,157	TON		
44	MILLING, ASPHALT, 1 1/2 IN	69,177	SYS		
45	MILLING ASPHALT, 3 1/2 IN	1,344	SYS		
46	MILLING ASPHALT, 4 1/2 IN	1,005	SYS		
47	MILLING ASPHALT, 2 1/2 IN	7,101	SYS		
48	<Pay Item Deleted>			---	---
49	MILLING, ASPHALT, 2 IN	7,497	SYS		
50	QC/QA-HMA, 2, 70, SURFACE, 9.5 mm	218	TON		
51	QC/QA-HMA, 4, 76, SURFACE, 9.5 mm	6,657	TON		
52	QC/QA-HMA, 4, 76, SURFACE, 12.5 mm	1,281	TON		
53	QC/QA-HMA, 2, 70, INTERMEDIATE, 19.0 mm	374	TON		
54	QC/QA-HMA, 4, 76, INTERMEDIATE, 19.0 mm	1,494	TON		
55	QC/QA-HMA, 2, 64, BASE, 19.0 mm	448	TON		
56	QC/QA-HMA, 4, 64, BASE, 19.0 mm	2,048	TON		
57	HMA SURFACE, TYPE B	630	TON		
58	HMA INTERMEDIATE, TYPE B	175	TON		
59	HMA BASE, TYPE B	410	TON		
60	JOINT ADHESIVE, SURFACE	52,148	LFT		
61	JOINT ADHESIVE, INTERMEDIATE	6,523	LFT		
62	LIQUID ASPHALT SEALANT	52,206	LFT		
63	ASPHALT FOR TACK COAT	30	TON		
64	QC/QA PCCP, 10 IN.	13,730	SYS		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
65	<Pay Item Deleted>			---	---
66	PCCP, 9 IN	1,365	SYS		
67	PCCP, 6 IN	65	SYS		
68	PCCP, 5 IN.	118	SYS		
69	PCCP, 4 IN.	599	SYS		
70	PCCP, COLORED, 10 IN	1,441	SYS		
71	PCCP, COLORED, 8 IN 9 IN	69	SYS		
72	PCCP, COLORED, 6 IN	415	SYS		
73	<Pay Item Deleted>			---	---
74	<Pay Item Deleted>			---	---
75	<Pay Item Deleted>			---	---
76	D-1 CONTRACTION JOINT	9,639	LFT		
77	SLEEPER SLAB	358	LFT		
78	PREFORMED JOINT MATERIAL	358	LFT		
79	GUARDRAIL, REMOVE	1,096	LFT		
80	GUARDRAIL END TREATMENT, MS	2	EACH		
81	<Pay Item Deleted>			---	---
82	SIDEWALK, CONCRETE, 4"	8,024	SYS		
83	SIDEWALK, CONCRETE, 5"	10,865	SYS		
84	SIDEWALK, CONCRETE, 6"	596	SYS		
85	SIDEWALK, CONCRETE, DECORATIVE	1,796	SYS		
86	MOW STRIP, CONCRETE	8	LFT		
87	CURB RAMP, CONCRETE, A	667	SYS		
88	CURB RAMP, CONCRETE, C	647	SYS		
89	<Pay Item Deleted>			---	---
90	CURB RAMP, CONCRETE, E	87	SYS		
91	CURB RAMP, CONCRETE, F	95	SYS		
92	CURB RAMP, CONCRETE, G	215	SYS		
93	CURB RAMP, CONCRETE, H	148	SYS		
94	CURB RAMP, CONCRETE, K	117	SYS		
95	CURB RAMP, CONCRETE, L	73	SYS		
96	CURB RAMP, CONCRETE, UNIQUE	94	SYS		
97	<Pay Item Deleted>			---	---
98	CURB, INTEGRAL, CONCRETE	8,903	LFT		
99	CURB, INTEGRAL, B, CONCRETE, MODIFIED	781	LFT		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
100	CURB, CONCRETE	7,503	LFT		
101	<Pay Item Deleted>			---	---
102	<Pay Item Deleted>			---	---
103	CENTER CURB, D, CONCRETE	46	SYS		
104	CURB AND GUTTER, B, CONCRETE	15,535	LFT		
105	HMA FOR APPROACHES, TYPE B	957	TON		
106	PCCP FOR APPROACHES, 9 IN	1,283	SYS		
107	PCCP FOR APPROACHES, 8 IN	279	SYS		
108	PCCP FOR APPROACHES, 6 IN	972	SYS		
109	<Pay Item Deleted>			---	---
110	<Pay Item Deleted>			---	---
111	GEOTEXTILES	100	SYS		
112	MOBILIZATION AND DEMOBILIZATION FOR SEEDING	2	EACH		
113	<Pay Item Deleted>			---	---
114	SODDING, NURSERY AND TOPSOIL	18,926	SYS		
115	CURB IDENTIFICATION MARKER	194	EACH		
116	BRICK, DECORATIVE	1,661	SYS		
117	BRICK, DECORATIVE, PERMEABLE	5,680	SYS		
118	OVERSTORY TREE, 2" CALIPER	217	EACH		
119	ORNAMENTAL TREE, 2", CALIPER	22	EACH		
120	EVERGREEN TREE, 6'-8' HEIGHT	14	EACH		
121	SHRUB, NO.3 CONTAINER	569	EACH		
122	PERENNIAL, NO. 1 CONTAINER	1,318	EACH		
123	ORNAMENTAL GRASS, NO. 1 CONTAINER	444	EACH		
124	GROUND COVER, PLUG	2,452	EACH		
125	SHREDDED HARDWOOD MULCH	196	CYS		
126	TRASH ENCLOSURE	1	EACH		
127	TRASH RECEPTACLE	17	EACH		
128	BACKFILL MIX FOR PLANTINGS	410	CYS		
129	BENCH	4	EACH		
130	BICYCLE RACK	39	EACH		
131	SIGN, DECORATIVE, TWO WAY CYCLE TRACK	4	EACH		
132	SIGN, DECORATIVE, TWO WAY CYCLE TRACK WITH SUPPLEMENT	1	EACH		
133	SIGN, DECORATIVE, SHARED USE PATH	2	EACH		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
134	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, SHARED CYCLE TRACK	12	EACH		
135	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, CYCLE TRACK SYMBOL	37	EACH		
136	PRECAST CONCRETE PLANTER	12	EACH		
137	TREE GRATE	77	EACH		
138	LANDSCAPE EDGING	415	LFT		
139	IRRIGATION, TREE WATERING SYSTEM	156	EACH		
140	IRRIGATION, LANDSCAPE	13,028	SYS		
141	IRRIGATION, REPAIR	4,785	SYS		
142	GABION RENO MATTRESS	16	SYS		
143	MASONRY WALL	62	CYS		
144	ROUNDAABOUT - REINFORCING STEEL	4,000	LBS		
145	ROUNDAABOUT - MODULAR FACE BRICK	3,075	SFT		
146	ROUNDAABOUT - UPPER RETAINING WALLS	170	LFT		
147	ROUNDAABOUT - LOWER RETAINING WALLS	220	LFT		
148	ROUNDAABOUT - CONCRETE COLUMNS	120	CYS		
149	CONCRETE MONUMENT FOOTING	38	CYS		
150	<Pay Item Deleted>			---	---
151	24" WIDE PRECAST CONCRETE WALL CAP	364	LFT		
152	56" SQ PRECAST CONCRETE CAP	8	EACH		
153	68" SQ PRECAST CONCRETE CAP	8	EACH		
154	<Pay Item Deleted>			---	---
155	PRECAST CONCRETE HEADWALL	1	EACH		
156	METER PIT	2	EACH		
157	<Pay Item Deleted>			---	---
158	PIPE, TYPE 2 CIRCULAR 8 IN	42	LFT		
159	PIPE, TYPE 2 CIRCULAR 10 IN	18	LFT		
160	PIPE, TYPE 2 CIRCULAR 12 IN	5,535	LFT		
161	PIPE, TYPE 2 CIRCULAR 15 IN	182	LFT		
162	PIPE, TYPE 2 CIRCULAR 18 IN	474	LFT		
163	PIPE, TYPE 2 CIRCULAR 21 IN	103	LFT		
164	PIPE, TYPE 2 CIRCULAR 24 IN	279	LFT		
165	PIPE, TYPE 2 CIRCULAR 30 IN	294	LFT		
166	PIPE, TYPE 2 CIRCULAR 36 IN	416	LFT		
167	PIPE, TYPE 2 CIRCULAR 42 IN	28	LFT		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
168	HMA FOR STRUCTURE INSTALLATION, TYPE B	20	TON		
169	VIDEO INSPECTION FOR PIPE	7,957	LFT		
170	<Pay Item Deleted>			---	---
171	CASTING, ADJUST TO GRADE	73	EACH		
172	CASTING, 2, FURNISH AND ADJUST TO GRADE	4	EACH		
173	CASTING, 4, FURNISH AND ADJUST TO GRADE	19	EACH		
174	CASTING, 10, FURNISH AND ADJUST TO GRADE	6	EACH		
175	CASTING, 13, FURNISH AND ADJUST TO GRADE	2	EACH		
176	INLET, A3, MODIFIED	2	EACH		
177	INLET, R13	4	EACH		
178	INLET, A2, MODIFIED	1	EACH		
179	CATCH BASIN, J15	7	EACH		
180	CATCH BASIN, K10	84	EACH		
181	INLET, S14	1	EACH		
182	CATCH BASIN, F7	2	EACH		
183	CATCH BASIN, M10	17	EACH		
184	CATCH BASIN, B15	9	EACH		
185	CATCH BASIN, C15	1	EACH		
186	PIPE CATCH BASIN, 12 IN	3	EACH		
187	MANHOLE, C4	22	EACH		
188	MANHOLE, D4	1	EACH		
189	MANHOLE, D15, MODIFIED	10	EACH		
190	MANHOLE, F4	2	EACH		
191	MANHOLE, H4	3	EACH		
192	MANHOLE, H10, MODIFIED	1	EACH		
193	MANHOLE, J10, MODIFIED	2	EACH		
194	MANHOLE, C15, MODIFIED, DOGHOUSE	1	EACH		
195	MANHOLE, D15, MODIFIED, DOGHOUSE	1	EACH		
196	INLET, B15, MODIFIED	4	EACH		
197	INLET, C15, MODIFIED	8	EACH		
198	INLET, B15	8	EACH		
199	INLET, C15	1	EACH		
200	TRENCH DRAIN	287	LFT		
201	STRUCTURE, MANHOLE, RECONSTRUCTED	3	LFT		
202	FIRE HYDRANT ASSEMBLY	12	EACH		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
203	FIRE HYDRANT, RESET	9	EACH		
204	WATER MAIN, D.I., 6"	84	LFT		
205	STORMWATER QUALITY TREATMENT UNIT	1	EACH		
206	WATER MAIN, D.I. 20"	481	LFT		
207	<Pay Item Deleted>			---	---
208	MECHANICAL JOINT RESTRAINT FOR 20" DI WATER MAIN	24	EACH		
209	<Pay Item Deleted>			---	---
210	TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW	36	EACH		
211	CONSTRUCTION SIGN, C	30	EACH		
212	ROAD CLOSURE SIGN ASSEMBLY	48	EACH		
213	TEMPORARY PANEL SIGNS	759	SFT		
214	TEMPORARY PANEL SIGN SUPPORTS	248	LFT		
215	TEMPORARY PAVEMENT MARKING, 4 IN	53,007	LFT		
216	TEMPORARY PAVEMENT MARKING, REMOVABLE, 24"	420	LFT		
217	DETOUR ROUTE MARKER ASSEMBLY	280	EACH		
218	CONSTRUCTION SIGN, A	329	EACH		
219	CONSTRUCTION SIGN, B	28	EACH		
220	FLASHING ARROW SIGN	1,410	DAY		
221	CHANGEABLE MESSAGE SIGN	7	EACH		
222	TUBULAR MARKER, PERMANENT	12	EACH		
223	MAINTAINING TRAFFIC	1	LS		
224	BARRICADE, III-A	1,030	LFT		
225	BARRICADE, III-B	1,724	LFT		
226	BOLLARD, DECORATIVE, ILLUMINATED	33	EACH		
227	HOSPITAL SIGN REMOVAL	1	EACH		
228	SIGN POST, SQUARE, TYPE 1, REINFORCED ANCHOR BASE	1,808	LFT		
229	<Pay Item Deleted>			---	---
230	PROJECT INFORMATION SIGN	1	EACH		
231	SIGN, SHEET ASSEMBLY, RELOCATE	71	EACH		
232	SIGN, SHEET, WITH LEGEND 0.080"	777	SFT		
233	SIGN, SHEET, WITH LEGEND 0.100 IN	367	SFT		
234	SIGN STRUCTURE, SALVAGE	1	LS		
235	SIGNAL EQUIPMENT, SALVAGE	1	LS		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
236	<Pay Item Deleted>			---	---
237	TRANSPORTATION OF SALVAGEABLE SIGNAL EQUIPMENT	28	EACH		
238	TESCO CABINET W/DUAL SERVICE, FOUNDATION, WIRING, ETC.	6	EACH		
239	TESCO CABINET W/SINGLE SERVICE, FOUNDATION, WIRING & ETC	21	EACH		
240	MAST ARM HAND HOLE COVERS	38	EACH		
241	WIRELESS MAGNETOMETER DETECTOR, RELOCATE	24	EACH		
242	SIGNAL CABLE INTERCONNECT, FIBER OPTIC	875	LFT		
243	SIGNAL POLE, PEDESTAL, 15 FT	7	EACH		
244	LOOP DETECTOR DELAY COUNTING AMPLIFIER, 2 CHANNEL	49	EACH		
245	LOOP DETECTOR RACK	11	EACH		
246	CONTACT CLOSURE CARD	1	EACH		
247	RECEIVER PROCESSOR	1	EACH		
248	<Pay Item Deleted>			---	---
249	<Pay Item Deleted>			---	---
250	HANDHOLE, SIGNAL, TYPE 1	89	EACH		
251	HANDHOLE, SIGNAL, ADJUST TO GRADE	34	EACH		
252	RELOCATE CONTROLLER CABINET	8	EACH		
253	CONTROLLER, RELOCATE AND REWIRE	8	EACH		
254	TRAFFIC SIGNAL HEAD, 3-SECTION, RELOCATE	97	EACH		
255	PEDESTRIAN SIGNAL HEAD, 12 IN., RELOCATE	6	EACH		
256	PEDESTRIAN SIGNAL HEAD, COUNTDOWN, 18 IN	144	EACH		
257	SIGNAL PEDESTAL FOUNDATION, A	62	EACH		
258	SIGNAL POLE, PEDESTAL, 12FT	47	EACH		
259	<Pay Item Deleted>			---	---
260	PVC SCHEDULE 80 CONDUIT, 3/4"	6,225	LFT		
261	CONDUIT, PVC, 2 IN, SCHEDULE 80	14,964	LFT		
262	PVC SCHEDULE 80 CONDUIT, 3"	328	LFT		
263	CONDUIT, HDPE, 2 IN, SCHEDULE 80	14,625	LFT		
264	CONDUIT, STEEL, 2 IN, GALVANIZED	55	LFT		
265	<Pay Item Deleted>			---	---
266	<Pay Item Deleted>			---	---
267	SIGNAL CANTILEVER STRUCTURE, SINGLE ARM, 25 FT.	2	EACH		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
268	<Pay Item Deleted>			---	---
269	<Pay Item Deleted>			---	---
270	SIGNAL CANTILEVER STRUCTURE, SINGLE ARM, 45 FT.	1	EACH		
271	SIGNAL CANTILEVER STRUCTURE, SINGLE ARM, 50 FT.	1	EACH		
272	SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE A	46	EACH		
273	SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE B	3	EACH		
274	SIGNAL CANTILEVER STRUCTURE, RELOCATE	37	EACH		
275	PAINTING TRAFFIC SIGNALS	19	EACH		
276	THERMAL DETECTION CAMERA	16	EACH		
277	THERMAL DETECTION SYSTEM	7	EACH		
278	TRAFFIC SIGNAL HEAD, 3 SECTION, 12", RED AMBER GREEN BIKE SIGNALS	8	EACH		
279	TRAFFIC SIGNAL HEAD, 5 SECTION, 12", RED AMBER GREEN, AMBER ARROW, GREEN ARROW	23	EACH		
280	<Pay Item Deleted>			---	---
281	PEDESTRIAN PUSH BUTTON, NON-APS	98	EACH		
282	<Pay Item Deleted>			---	---
283	<Pay Item Deleted>			---	---
284	<Pay Item Deleted>			---	---
285	CONSTRUCTION LIGHTING	1,400	DAY		
286	SIGNAL CABLE, SERVICE, COPPER. 3C/8GA	800	LFT		
287	SIGNAL CABLE, ROADWAY LOOP, COPPER 1C/14GA	39,445	LFT		
288	SIGNAL CABLE, CONTROL, COPPER 5C/14GA	29,390	LFT		
289	SIGNAL CABLE, CONTROL, COPPER 7C/14GA	9,231	LFT		
290	SIGNAL CABLE, DETECTOR LEAD-IN COPPER 2C/16GA	11,324	LFT		
291	SIGNAL DETECTOR HOUSING	88	EACH		
292	<Pay Item Deleted>			---	---
293	ILLUMINATED WALL LETTERING	1	LS		
294	SAW CUT FOR ROADWAY LOOP AND SEALANT	14,953	LFT		
295	HANDHOLE, LIGHTING	28	EACH		
296	LIGHT STANDARD FOUNDATION, 2FT DIAMETER X 6FT	236	EACH		
297	LUMINAIRE, ORNAMENTAL	214	EACH		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
298	LIGHT POLE, ORNAMENTAL, SINGLE	62	EACH		
299	LIGHT STANDARD TYPE 'D'	22	EACH		
300	LIGHT STANDARD TYPE 'E'	29	EACH		
301	LIGHT STANDARD TYPE 'A'	5	EACH		
302	LIGHT STANDARD TYPE 'B'	4	EACH		
303	LIGHT STANDARD TYPE 'C'	63	EACH		
304	<Pay Item Deleted>			---	---
305	<Pay Item Deleted>			---	---
306	LANDSCAPE LIGHTS, LED, TYPE 'F'	57	EACH		
307	LANDSCAPE LIGHTS, LED, TYPE 'G'	8	EACH		
308	NEW PANEL AND LIGHTING CONTACTOR	1	EACH		
309	MISCELLANEOUS EQUIPMENT FOR LIGHTING	1	LS		
310	3/0 WIRE	320	LFT		
311	NO. 3 WIRE	640	LFT		
312	NO. 4 WIRE, COPPER, 4 1/C	32,895	LFT		
313	NO. 6 WIRE, COPPER, 4 1/C	17,402	LFT		
314	NO. 8 WIRE	20,990	LFT		
315	NO. 10 WIRE	26,485	LFT		
316	NO. 12 WIRE	3,720	LFT		
317	<Pay Item Deleted>			---	---
318	CABLE, POLE CIRCUIT THWN, NO 10 COPPER, STRANDED, 1/C	6,160	LFT		
319	<Pay Item Deleted>			---	---
320	<Pay Item Deleted>			---	---
321	CONNECTOR KIT, UNFUSED	406	EACH		
322	CONNECTOR KIT, FUSED	406	EACH		
323	MULTIPLE COMPRESSION FITTING, NON-WATERPROOFED	622	EACH		
324	MULTIPLE COMPRESSION FITTING, WATERPROOFED	204	EACH		
325	INSULATION LINK, NON-WATERPROOFED	39	EACH		
326	INSULATION LINK, WATERPROOFED	228	EACH		
327	<Pay Item Deleted>			---	---
328	LINE, REMOVE	48,085	LFT		
329	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, BIKE SYMBOL	84	EACH		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
330	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, BIKE SYMBOL	13	EACH		
331	LINE, THERMOPLASTIC, SOLID, WHITE, 4 IN.	38,635	LFT		
332	LINE, THERMOPLASTIC, SOLID, YELLOW, 4 IN	58,887	LFT		
333	LINE, THERMOPLASTIC, BROKEN, WHITE, 4 IN	3,607	LFT		
334	LINE, THERMOPLASTIC, BROKEN, YELLOW, 4 IN	5,429	LFT		
335	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN	22,243	LFT		
336	LINE, THERMOPLASTIC, SOLID, YELLOW, 6 IN	651	LFT		
337	LINE, THERMOPLASTIC, SOLID, YELLOW, 8"	734	LFT		
338	LINE, THERMOPLASTIC, DOTTED, WHITE, 6 IN.	794	LFT		
339	LINE, MULTI-COMPONENT, BROKEN, WHITE, 4 IN	695	LFT		
340	LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN	8,184	LFT		
341	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN	5,978	LFT		
342	LINE, MULTI-COMPONENT, BROKEN, YELLOW, 4 IN	800	LFT		
343	LINE, MULTI-COMPONENT, SOLID, WHITE, 6 IN	949	LFT		
344	LINE, MULTI-COMPONENT, DOTTED, WHITE, 8 IN.	296	LFT		
345	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 8"	860	LFT		
346	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 12"	195	LFT		
347	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK LINE, 6"	11,119	LFT		
348	TRANSVERSE MARKING THERMOPLASTIC CROSSWALK, WHITE 24"	5,514	LFT		
349	TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 24 IN	3,943	LFT		
350	TRANSVERSE MARKING, THERMOPLASTIC, YIELD, WHITE, 24 IN.	117	LFT		
351	TRANSVERSE MARKING, MULTI-COMPONENT, WHITE, CROSSHATCH, 8 IN.	349	LFT		
352	TRANSVERSE MARKINGS MULTI-COMPONENT, CROSSHATCH LINE, WHITE, 12"	247	LFT		
353	TRANSVERSE MARKING, MULTI-COMPONENT, CROSSWALK LINE, 6"	1,071	LFT		
354	TRANSVERSE MARKING MULTI-COMPONENT, STOP LINE, 24"	306	LFT		
355	TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK, WHITE, 24 IN.	429	LFT		
356	TRANSVERSE MARKINGS, MULTI-COMPONENT, YIELD LINE, WHITE, 24 IN.	92	LFT		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
357	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW	410	EACH		
358	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, (ONLY)	45	EACH		
359	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, HANDICAP SYMBOL	4	EACH		
360	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, LANE INDICATION ARROW	25	EACH		
361	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, (ONLY)	4	EACH		
362	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT HANDICAP SYMBOL	14	EACH		
363	PAVEMENT MARKING, SOLID, MULTI-COMPONENT, GREEN	296	SYS		
364	PAVEMENT MARKING, SOLID, MULTI-COMPONENT, RED	50	SYS		
365	HMA FOR PATCHING, TYPE B	390	TON		
366	<Pay Item Deleted>			---	---
367	POROUS CONCRETE	298	SYS		
368	FENCE, TEMPORARY	560	LFT		
369	CURB RAMP, CONCRETE, G, MODIFIED	13	SYS		
370	CONCRETE STAIR	30	LFT		
371	STAIR RAILING	14	LFT		
372	CURB, CONCRETE, 8 IN	1,108	LFT		
373	CASTING, FURNISH, INSTALL & ADJUST TO GRADE	7	EACH		
374	TEMPORARY TRANSVERSE PAVEMENT MARKING, STOP LINE, 24"	30	LFT		
375	TEMPORARY PAVEMENT MARKING, REMOVABLE, 4"	10,190	LFT		
376	BARRICADE, II	12	LFT		
377	SIGNAL HEAD, COVER	8	EACH		
378	MISCELLANEOUS ELECTRICAL EQUIPMENT	1	LS		
379	MISC ELECTRICAL REVISIONS	1	LS		
380	CONTROLLER CABINET FOUNDATION, P1	8	EACH		
381	FIBER OPTIC, RELOCATE	175	LFT		
382	WIRELESS MAGNETOMETER DETECTOR, NEW	18	EACH		
383	PEDESTRIAN PUSH BUTTON, RELOCATE	4	EACH		
384	LIGHT STANDARD FOUNDATION, 2FT DIAMETER X 8FT	10	EACH		
385	ELECTRICAL DEVICES AND POST	33	EACH		
386	LINE, THERMOPLASTIC, SOLID, WHITE, 12 IN.	760	LFT		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
387	LINE, THERMOPLASTIC, SOLID, WHITE, 24 IN.	35	LFT		
388	LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN.	260	LFT		
389	LINE, MULTI-COMPONENT, SOLID, WHITE, 12 IN	2,050	LFT		
390	LINE, MULTI-COMPONENT, SOLID, WHITE, 24 IN	15	LFT		
391	CATCH BASIN, E7	1	EACH		
392	SIGN, SHEET, REMOVE	51	EACH		
393	LIGHT POLE, ORNAMENTAL. TWIN	84	EACH		
394	SIGNAL CABLE, CONTROL, COPPER 3C/14GA	106	LFT		
395	TRAFFIC SIGNAL HEAD, 5-SECTION, RELOCATE	3	EACH		
396	TRAFFIC SIGNAL CABLE, FIBER OPTIC, MULTI-MODE	2,060	LFT		
397	PAVEMENT MARKING, SOLID, THERMOPLASTIC, GREEN	1,159	SYS		
398	<Pay Item Deleted>			---	---
399	POLE FOUNDATION, REMOVE	10	EACH		
400	WATER MAIN, D.I., 8"	123	LFT		
401	WATER MAIN, TESTING TAP, 2 IN.	3	EACH		
402	WATER SERVICE, COPPER, 2 IN.	65	LFT		
403	WATER SERVICE, D.I., 4 IN.	24	LFT		
404	CONNECT TO EXISTING WATER SERVICE, 4 IN.	1	EACH		
405	CONNECT TO EXISTING WATER MAIN, 6 IN.	1	EACH		
406	CONNECT TO EXISTING WATER MAIN, 8 IN.	2	EACH		
407	TRANSITION COUPLING, 20 IN.	12	EACH		
408	45 DEGREE ELBOW, 2 IN.	4	EACH		
409	45 DEGREE ELBOW, 8 IN.	4	EACH		
410	90 DEGREE ELBOW, 20 IN.	8	EACH		
411	CAP, 6 IN.	1	EACH		
412	CAP, REMOVE EXISTING, 6 IN.	1	EACH		
413	TEE, 6 IN. X 6 IN. X 4 IN.	1	EACH		
414	CORPORATION STOP, 2 IN.	2	EACH		
415	GATE VALVE AND BOX, 4 IN.	1	EACH		
416	BUTTERFLY VALVE AND BOX, 20 IN.	4	EACH		
417	INSERT VALVE AND BOX, 8 IN.	2	EACH		
418	TEMPORARY LINE STOP VALVE, 20 IN.	4	EACH		
419	MANHOLE, REMOVE	3	EACH		
420	CURB RAMP, CONCRETE, B	30	SYS		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
421	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 8"	1,114	LFT		
422	ADJUST WATER SERVICE LINE, COMMERCIAL	2	EACH		
423	INSPECTION HOLE	10	EACH		
424	TAP, WATER SERVICE, 1 IN. - CITY TAP FEE	2	EACH		
425	CAP EXISTING WATER SERVICE LINE	2	EACH		
426	SEWER LATERAL PRIVATE BUILDING, REINSTATEMENT	2	EACH		
427	SIGNAL POLE, PEDESTAL, 4 FT.	6	EACH		
428	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, SHARE THE ROAD	23	EACH		
429	CONDUIT, HDPE, SCHEDULE 80, 3 IN.	1,000	LFT		
430	CONDUIT, HDPE, SCHEDULE 80, 4 IN.	80	LFT		
431	SIGN, SHEET ASSEMBLY, NEW	38	EACH		
432	<Pay Item Deleted>			---	---
433	CONNECT TO EXISTING STRUCTURE	32	EACH		
434	MECHANICAL JOINT RESTRAINT FOR 8" DI WATER MAIN	10	EACH		
435	MECHANICAL JOINT RESTRAINT FOR 6" DI WATER MAIN	3	EACH		
436	MECHANICAL JOINT RESTRAINT FOR 4" DI WATER MAIN	3	EACH		
437	TRANSVERSE MARKING, MULTI-COMPONENT, YELLOW, CROSSHATCH LINE, 12"	85	LFT		
438	FIELD OFFICE, C	12	MOS		
439	GUARDRAIL END TREATMENT, TYPE OS	2	EACH		
440	CURVED TERMINAL END	4	EACH		
441	GUARDRAIL, W-BEAM, 6'-3" SPACING	939	LFT		
442	BICYCLE REPAIR STATION	1	EACH		
443	PEDESTAL MOUNTED DRINKING FOUNTAIN	1	EACH		
444	INLET, A2	2	EACH		
445	CATCH BASIN, K10, MODIFIED	6	EACH		
446	MANHOLE, C2	1	EACH		
447	SOLAR POWERED SPEED LIMIT FLASHING BEACON ASSEMBLY	4	EACH		
448	HYBRID BEACONS	5	EACH		
449	EMERGENCY VEHICLE PREEMPTION	1	EACH		
450	DRINKING FOUNTAIN SERVICE LINE	33	LFT		
451	DRINKING FOUNTAIN DRAIN LINE	8	LFT		
BASE BID TOTAL					

Bidder Name: _____

Revised February 15, 2016 (Addendum #3)

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
ALTERNATE NO. 1 BID PAY ITEMS					
501	CROSSWALK SYSTEM - FLUSH BI-DIRECTIONAL FIXTURE	34	EACH		
502	CROSSWALK SYSTEM - FLASHING PEDESTRIAN SIGN	12	EACH		
503	CROSSWALK SYSTEM CONTROLLER	2	EACH		
504	CROSSWALK SYSTEM - PEDESTRIAN PUSH-BUTTON STATION	8	EACH		
505	NO. 8 WIRE	3,270	LFT		
506	NO. 12 WIRE	2,904	LFT		
507	HANDHOLE, SIGNAL, TYPE 1	4	EACH		
508	CONDUIT, PVC, 2 IN, SCHEDULE 80	835	LFT		
509	CONDUIT, PVC, 1 IN, SCHEDULE 80	1,095	LFT		
ALTERNATE NO. 1 BID TOTAL					

ALTERNATE NO. 2 BID PAY ITEMS					
526	PERMEABLE PAVEMENT	2,272	SYS		
527	HEADER, CONCRETE	2,760	LFT		
ALTERNATE NO. 2 BID TOTAL					

ALTERNATE NO. 3 BID PAY ITEMS					
536	QC/QA PCCP, 10 IN.	2,887	SYS		
537	SUBGRADE TREATMENT, TYPE IB	2,887	SYS		
ALTERNATE NO. 3 BID TOTAL					

ALTERNATE NO. 4 BID PAY ITEMS					
551	CONDUIT, HDPE, 2 IN, SCHEDULE 80	7,200	LFT		
552	HANDHOLE	37	EACH		
ALTERNATE NO. 4 BID TOTAL					

Bidder (Firm): _____

Address: _____

City/State/Zip: _____ Telephone Number: () _____

By _____
(Signature)

(Printed Name of Person Signing)

Item No	Description	LFA- Chippewa Quantity 114-045	AS/VS Quantity 115-019 (DIV. A)	Quantity TOTAL	Unit
1	CONSTRUCTION ENGINEERING	1	1	1	LS
2	CPM SCHEDULE	1	0	1	LS
3	CMP SCHEDULE, MONTHLY UPDATE	8	0	8	EACH
4	MOBILIZATION AND DEMOBILIZATION	1	1	1	LS
5	VIDEO RECORD	1	0	1	LS
6	UTILITY ALLOWANCE	10,000	0	10,000	DOL
7	<Pay Item Deleted>	0	0	0	DOL
8	UNDISTRIBUTED ALLOWANCE	35,000	0	35,000	DOL
9	CLEARING RIGHT OF WAY	1	1	1	LS
10	TESTING FOR ASBESTOS	2	0	2	EACH
11	PAVEMENT REMOVAL	8,396	0	8,396	SYS
12	CURB, CONCRETE, REMOVE	0	226	226	LFT
13	HOUSES AND BUILDINGS, REMOVE, PARCEL NO 13	1	0	1	LS
14	HOUSES AND BUILDINGS, REMOVE, PARCEL NO 14	1	0	1	LS
15	SIDEWALK, CONCRETE, REMOVE	1,331	127	1,458	SYS
16	INLET, REMOVE	11	0	11	EACH
17	MANHOLE, REMOVE	1	0	1	EACH
18	<Pay Item Deleted>	0	0	0	EACH
19	EXCAVATION, COMMON	2,000	0	2,000	CYS
20	BORROW	1,800	0	1,800	CYS
21	DEWATERING AND PROTECTION OF EXISTING STRUCTURES	1	0	1	LS
22	TEMPORARY INLET PROTECTION	52	15	67	EACH
23	TEMPORARY SILT FENCE	2,244	0	2,244	LFT
24	NO 2 STONE	100	0	100	TON
25	SUBGRADE TREATMENT, TYPE I	8,504	0	8,504	SYS
26	SUBGRADE TREATMENT, TYPE II	542	0	542	SYS
27	SUBGRADE TREATMENT, TYPE III	227	0	227	SYS
28	SUBGRADE TREATMENT, TYPE IC	365	0	365	SYS
29	STRUCTURAL BACKFILL, TYPE 2	552	0	552	CYS
30	COMPACTED AGGREGATE, NO. 53, BASE	1,044	0	1,044	TON
31	SUBBASE FOR PCCP	1,376	0	1,376	CYS
32	WIDENING WITH HMA, TYPE D	0	31	31	TON
33	MILLING, ASPHALT, 1 1/2 IN	1,768	0	1,768	SYS
34	MILLING, PROFILE	2,355	0	2,355	SYS
35	QC/QA-HMA, 3, 70, SURFACE, 9.5 mm	538	0	538	TON
36	QC/QA-HMA, 3, 70, INTERMEDIATE, 19.0 mm	634	0	634	TON
37	QC/QA-HMA, 3, 64, BASE, 25.0 mm	1,065	0	1,065	TON
38	JOINT ADHESIVE, SURFACE	3,482	0	3,482	LFT
39	JOINT ADHESIVE, INTERMEDIATE	2,252	0	2,252	LFT
40	LIQUID ASPHALT SEALANT	3,482	0	3,482	LFT
41	ASPHALT FOR TACK COAT	4	0	4	TON
42	QC/QA-PCCP, 10 IN	4,532	0	4,532	SYS
43	CORING, PCCP	1	0	1	LS
44	PCCP, 10 IN, DECORATIVE	438	0	438	SYS
45	PCCP, 6 IN	401	0	401	SYS
46	PCCP, COLORED, 6 IN	200	0	200	SYS
47	6" PCCP BANDING	35	0	35	LFT
48	D-1 CONTRACTION JOINT	3,376	0	3,376	LFT
49	SLEEPER SLAB	485	0	485	LFT

Item No	Description	LFA- Chippewa		AS/VS		Quantity TOTAL	Unit
		Quantity 114-045	Quantity 115-019 (DIV. A)	Quantity 115-019 (DIV. A)	Quantity TOTAL		
50	<Pay Item Deleted>	0	0	0	0	0	LFT
51	DECORATIVE PICKET FENCE	72	0	0	72	72	LFT
52	HMA FOR SIDEWALK	41	0	0	41	41	TON
53	SIDEWALK, CONCRETE, 4"	1,071	23	23	1,094	1,094	SYS
54	CURB RAMP, CONCRETE, A	0	20	20	20	20	SYS
55	CURB RAMP, CONCRETE, C	52	12	12	64	64	SYS
56	CURB RAMP, CONCRETE, D	0	8	8	8	8	SYS
57	CURB RAMP, CONCRETE, G	9	0	0	9	9	SYS
58	CURB RAMP, CONCRETE, L	27	0	0	27	27	SYS
59	CURB, CONCRETE	1,443	226	226	1,669	1,669	LFT
60	CURB AND GUTTER, COMBINED	923	0	0	923	923	LFT
61	CENTER CURB, D, CONCRETE	22	0	0	22	22	SYS
62	PCCP FOR APPROACHES, 6 IN	33	0	0	33	33	SYS
63	PCCP FOR APPROACHES, 9 IN	509	0	0	509	509	SYS
64	MAILBOX ASSEMBLY, SINGLE	6	0	0	6	6	EACH
65	BENCH MARK POST, RESET	1	0	0	1	1	EACH
66	INSPECTION HOLE	10	0	0	10	10	EACH
67	MOBILIZATION AND DEMOBILIZATION FOR SEEDING	4	0	0	4	4	EACH
68	FERTILIZER	1	0	0	1	1	TON
69	<Pay Item Deleted>	0	0	0	0	0	KGAL
70	SODDING, NURSERY AND TOPSOIL	4,765	72	72	4,837	4,837	SYS
71	BRICK PAVERS	445	0	0	445	445	SYS
72	IRRIGATION, TREE WATERING SYSTEM	23	0	0	23	23	EACH
73	OVERSTORY TREE, 2" CALIPER	23	0	0	23	23	EACH
74	ORNAMENTAL TREE, 2", CALIPER	6	0	0	6	6	EACH
75	PERENNIAL, NO. 1 CONTAINER	266	0	0	266	266	EACH
76	ORNAMENTAL GRASS, NO. 1 CONTAINER	67	0	0	67	67	EACH
77	SHRUB, NO.3 CONTAINER	171	0	0	171	171	EACH
78	GROUNDCOVER, PLUG	1,670	0	0	1,670	1,670	EACH
79	SHREDDED HARDWOOD MULCH	60	0	0	60	60	CYS
80	LANDSCAPE EDGING	105	0	0	105	105	LFT
81	GATOR WATERING BAG	23	0	0	23	23	EACH
82	IRRIGATION, LANDSCAPE	4,645	0	0	4,645	4,645	SFT
83	REINFORCING STEEL	1	0	0	1	1	TON
84	MODULAR FACE BRICK	1,425	0	0	1,425	1,425	SFT
85	UPPER RETAINING WALLS	75	0	0	75	75	LFT
86	LOWER RETAINING WALLS	110	0	0	110	110	LFT
87	CONCRETE COLUMNS	60	0	0	60	60	CYS
88	CONCRETE MONUMENT FOOTING	17	0	0	17	17	CYS
89	4" MONUMENT RING CONCRETE	20	0	0	20	20	SYS
90	24" WIDE PRECAST CONCRETE WALL CAP	182	0	0	182	182	LFT
91	56" SQ PRECAST CONCRETE CAP	4	0	0	4	4	EACH
92	68" SQ PRECAST CONCRETE CAP	4	0	0	4	4	EACH
93	PRECAST CONCRETE PLANTER	4	0	0	4	4	EACH
94	METER PIT	1	0	0	1	1	LS
95	ADJUST WATER SERVICE LINE, RESIDENTIAL	2	0	0	2	2	EACH
96	TAP, WATER SERVICE, 1-INCH (CITY TAP FEE)	2	0	0	2	2	EACH
97	CAP EXISTING WATER SERVICE LINE	2	0	0	2	2	EACH
98	PIPE, TYPE 2 CIRCULAR 12 IN (WATER MAIN GRADE)	103	0	0	103	103	LFT

Item No	Description	LFA- Chippewa		AS/VS		Quantity	Unit
		Quantity	114-045	Quantity	115-019 (DIV. A)		
99	PIPE, TYPE 2 CIRCULAR 15 IN (WATER MAIN GRADE)	188	0	0	0	188	LFT
100	PIPE, TYPE 2 CIRCULAR 18 IN (WATER MAIN GRADE)	37	0	0	0	37	LFT
101	PIPE, TYPE 2 CIRCULAR 12 IN	629	0	0	0	629	LFT
102	PIPE, TYPE 2 CIRCULAR 15 IN	356	0	0	0	356	LFT
103	PIPE, TYPE 2 CIRCULAR 18 IN	176	0	0	0	176	LFT
104	HMA FOR STRUCTURE INSTALLATION, TYPE A	57	0	0	0	57	TON
105	PIPE, PLUG EXISTING	4	0	0	0	4	EACH
106	DRYWELL	3	0	0	0	3	EACH
107	CASTING, ADJUST TO GRADE , MANHOLE	9	0	0	0	9	EACH
108	CASTING, ADJUST TO GRADE, INLET	3	0	0	0	3	EACH
109	CASTING, NEEENAH R-1801-G, FURNISH AND ADJUST TO GRADE	2	0	0	0	2	EACH
110	CASTING, NEEENAH R-3457-C2, FURNISH AND ADJUST TO GRADE	5	0	0	0	5	EACH
111	INLET, R13	3	0	0	0	3	EACH
112	PIPE CATCH BASIN, 24 IN	3	0	0	0	3	EACH
113	STRUCTURE, MANHOLE, RECONSTRUCTED	5	0	0	0	5	LFT
114	STRUCTURE, INLET, RECONSTRUCTED	3	0	0	0	3	LFT
115	INLET, B15	11	0	0	0	11	EACH
116	INLET, C15	19	0	0	0	19	EACH
117	CONSTRUCTION SIGN, C	4	1	0	0	5	EACH
118	CONSTRUCTION SIGN, BUSINESS SERVICE, TYPE C	4	0	0	0	4	EACH
119	TEMPORARY PAVEMENT MARKING, 4 IN	20,060	3,210	0	0	23,270	LFT
120	TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN	0	3,210	0	0	3,210	LFT
121	TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW	2	4	0	0	6	EACH
122	CONSTRUCTION SIGN, A	28	50	0	0	78	EACH
123	CONSTRUCTION SIGN, B	12	2	0	0	14	EACH
124	MAINTAINING TRAFFIC	1	1	0	0	2	LS
125	BARRICADE, III-B	0	48	0	0	48	LFT
126	SIGNAL HEAD, RELOCATE	2	7	0	0	9	EACH
127	SIGN POST, SQUARE, TYPE 1, UNREINFORCED ANCHOR BASE	390	298	0	0	688	LFT
128	SIGN POST, SQUARE, TYPE 2, UNREINFORCED ANCHOR BASE	72	0	0	0	72	LFT
129	SIGN, SHEET ASSEMBLY, RELOCATE	0	19	0	0	19	EACH
130	CABLE SPAN SIGN STRUCTURE FOUNDATION, IV	2	0	0	0	2	EACH
131	SIGN, SHEET, WITH LEGEND 0.080"	106	137	0	0	243	SFT
132	SIGN, SHEET, WITH LEGEND 0.100 IN	281	72	0	0	353	SFT
133	SIGN, SHEET, WITH LEGEND 0.125 IN THICKNESS	77	0	0	0	77	SFT
134	SIGN STRUCTURE, SALVAGE	2	0	0	0	2	EACH
135	OVERHEAD SIGN STRUCTURE; MONOTUBE; REMOVE	1	0	0	0	1	EACH
136	OVERHEAD SIGN STRUCTURE; CABLESPAN	1	0	0	0	1	EACH
137	ILLUMINATED WALL LETTERING	1	0	0	0	1	LS
138	TESCO CABINET W/DUAL SERVICE, FOUNDATION, WIRING & ETC	1	0	0	0	1	EACH
139	TRAFFIC SIGNAL EQUIPMENT, REMOVE	2	2	0	0	4	EACH
140	TESCO CABINET W/SINGLE SERVICE, FOUNDATION, WIRING & ETC	0	3	0	0	3	EACH
141	SIGNAL POLE FOUNDATION, 36 IN X 144 IN	4	0	0	0	4	EACH
142	HANDHOLE, SIGNAL, TYPE 1	0	12	0	0	12	EACH
143	SIGNAL HANDHOLE ADJUST TO GRADE	4	0	0	0	4	EACH
144	CONDUIT, HDPE, SCHEDULE 80, 2 IN	0	823	0	0	823	LFT
145	PEDESTRIAN SIGNAL HEAD, 12 IN., RELOCATE	0	3	0	0	3	EACH
146	PEDESTRIAN SIGNAL HEAD WITH INTERNATIONAL SYMBOLS, 12 IN, COUNTDOWN	8	0	0	0	8	EACH
147	SIGNAL PEDESTAL FOUNDATION, A	0	6	0	0	6	EACH

Item No	Description	LFA- Chippewa Quantity 114-045	AS/VS Quantity 115-019 (DIV. A)	Quantity TOTAL	Unit
148	PVC SCHEDULE 80 CONDUIT, 3/4"	475	0	475	LFT
149	SIGNAL POLE, PEDESTAL, 12FT	0	1	1	EACH
150	<Pay Item Deleted>	0	0	0	EACH
151	<Pay Item Deleted>	0	0	0	EACH
152	<Pay Item Deleted>	0	0	0	EACH
153	SIGNAL CANTILEVER STRUCTURE, SINGLE TRUSS ARM 25 FT.	0	1	1	EACH
154	SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE A	0	3	3	EACH
155	THERMAL DETECTION CAMERA	0	6	6	EACH
156	THERMAL DETECTION SYSTEM	0	3	3	LS
157	TRAFFIC SIGNAL HEAD, 3 SECTION, 12 IN	7	0	7	EACH
158	TRAFFIC SIGNAL HEAD, 5 SECTION, 12 IN	1	0	1	EACH
159	SPAN, CATENARY, AND TETHER	4	0	4	EACH
160	DISCONNECT HANGER	4	0	4	EACH
161	SIGNAL CABLE, ROADWAY LOOP, COPPER 1C/14GA	480	0	480	LFT
162	SIGNAL CABLE, CONTROL, COPPER 5C/14GA	869	3,234	4,103	LFT
163	<Pay Item Deleted>	0	0	0	LFT
164	SIGNAL CABLE, CONTROL, COPPER 7C/14GA	573	469	1,042	LFT
165	SIGNAL CABLE, DETECTOR LEAD-IN COPPER 2C/16GA	164	0	164	LFT
166	SIGNAL DETECTOR HOUSING	1	0	1	EACH
167	SAW CUT FOR ROADWAY LOOP AND SEALANT	160	0	160	LFT
168	SIGNAL STRAIN POLE, STEEL, 30 FT	4	0	4	EACH
169	HANDHOLE, LIGHTING	2	0	2	EACH
170	LIGHTING FOUNDATION	18	0	18	EACH
171	STREET LIGHT	20	0	20	EACH
172	PEDESTRIAN LIGHT	2	0	2	EACH
173	WIRE NO. 4	3,130	0	3,130	LFT
174	TRAFFIC SIGNAL CABLE, FIBER OPTIC, SINGLE-MODE	5,990	0	5,990	LFT
175	TRAFFIC SIGNAL CABLE, FIBER OPTIC, MULTI-MODE	1,540	0	1,540	LFT
176	CONDUIT, PVC, 2 IN, SCHEDULE 80	8,471	0	8,471	LFT
177	NEW PANEL AND LIGHTING CONTACTOR	1	0	1	EACH
178	LANDSCAPE LIGHTS, LED, TYPE 'F', NEW	21	0	21	EACH
179	LANDSCAPE LIGHTS, LED, TYPE 'G', NEW	4	0	4	EACH
180	NO. 3 WIRE	320	0	320	LFT
181	NO. 8 WIRE	160	0	160	LFT
182	WIRE NO. 10	3,900	0	3,900	LFT
183	NO. 12 WIRE	225	0	225	LFT
184	HANDHOLE, TRAFFIC	20	0	20	EACH
185	CABLE-DUCT MARKER	4	0	4	EACH
186	CONSTRUCTION LIGHTING	200	0	200	DAY
187	LINE, THERMOPLASTIC, BROKEN, WHITE, 4 IN	168	0	168	LFT
188	LINE, THERMOPLASTIC, SOLID, WHITE, 4 IN.	540	3,148	3,688	LFT
189	LINE, REMOVE	0	4,945	4,945	LFT
190	LINE, MULTI-COMPONENT, BROKEN, WHITE, 4 IN	47	0	47	LFT
191	LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN	1,612	0	1,612	LFT
192	<Pay Item Deleted>	0	0	0	LFT
193	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN	1,684	0	1,684	LFT
194	<Pay Item Deleted>	0	0	0	LFT
195	<Pay Item Deleted>	0	0	0	LFT
196	<Pay Item Deleted>	0	0	0	LFT

Item No	Description	LFA- Chippewa Quantity 114-045	AS/VS Quantity 115-019 (DIV. A)	Quantity TOTAL	Unit
197	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK	0	1,820	1,820	LFT
198	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, LANE INDICATION ARROW	4	0	4	EACH
199	<Pay Item Deleted>	0	0	0	EACH
200	TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK, WHITE, 24 IN.	234	0	234	LFT
201	TRANSVERSE MARKING, MULTI-COMPONENT, SOLID, YELLOW, CROSSHATCH, 8 IN.	206	0	206	LFT
202	PAVEMENT MESSAGE MARKINGS, THERMOPLASTIC, BIKE SYMBOL	0	27	27	EACH
203	TRANSVERSE MARKINGS, MULTI-COMPONENT, YIELD LINE CHEVRON	90	0	90	LFT
204	LINE, MULTI-COMPONENT, DOTTED, WHITE, 4 IN.	43	0	43	LFT
205	LINE, THERMOPLASTIC, DOTTED, WHITE, 4 IN.	25	0	25	LFT
206	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN	480	50	530	LFT
207	LINE, THERMOPLASTIC, BROKEN, YELLOW, 4 IN	287	4,414	4,701	LFT
208	LINE, THERMOPLASTIC, SOLID, YELLOW, 4 IN	3,106	17,862	20,968	LFT
209	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 8"	94	0	94	LFT
210	TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, 24 IN	106	197	303	LFT
211	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW	11	66	77	EACH
212	FIBER OPTIC, CITY PARK RECONNECTION	1	0	1	LS
213	NATIONAL GEODETIC SURVEY MONUMENT, REESTABLISH	1	0	1	LS
214	8" STANDARD CURB, CONCRETE	545	0	545	LFT
215	CURB RAMP, CONCRETE, B	0	59	59	SYS
216	FIRE HYDRANT ASSEMBLY	1	0	1	EACH
217	TEMPORARY TRANSVERSE PAVEMENT MARKING, REMOVABLE, STOP LINE, 24"	136	0	136	LFT
218	DETOUR ROUTE MARKER ASSEMBLY	19	0	19	EACH
219	FLASHING ARROW SIGN	540	0	540	DAY
220	PORTABLE CHANGEABLE MESSAGE SIGN	1,080	0	1,080	DAY
221	SIGNAL HEAD, COVER	8	0	8	EACH
222	SIGNAL HEAD, TEMPORARY	4	0	4	EACH
223	SOLAR POWERED FLASHING BEACON ASSEMBLY, RELOCATE	0	2	2	EACH
224	MISCELLANEOUS EQUIPMENT FOR LIGHTING	1	0	1	LS
225	<Pay Item Deleted>	0	0	0	LFT
226	PCCP, 5 IN.	33	0	33	SYS
227	<Pay Item Deleted>	0	0	0	TON
228	CURB RAMP, CONCRETE, F	0	8	8	SYS
229	PEDESTRIAN PUSH BUTTON, NON-APS	0	24	24	EACH
230	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, SHARE THE ROAD	0	27	27	EACH
231	TRAFFIC SIGNAL HEAD, 3-SECTION, RELOCATE	0	7	7	EACH
232	SIGNAL POLE, PEDESTAL, 4 FT.	0	3	3	EACH
233	SEWER LATERAL, PRIVATE BUILDING, REINSTATEMENT	2	0	2	EACH
234	SIGNAL CANTILEVER STRUCTURE, RELOCATE	0	2	2	EACH
235	CONNECT TO EXISTING STRUCTURE	11	0	11	EACH
236	LINE, THERMOPLASTIC, DOTTED, WHITE, 6 IN.	0	169	169	LFT
237	PAINTING TRAFFIC SIGNALS	0	4	4	EACH
238	SOLAR POWERED SPEED LIMIT FLASHING BEACON ASSEMBLY	0	4	4	EACH
	ALTERNATE NO. 1				
301	MILLING, ASPHALT, 1 1/2 IN	0	53,595	53,595	SYS
302	QC/QA-HMA, 4, 76, SURFACE, 9.5 mm	0	4,423	4,423	TON

Item No	Description	ASI / VS Quantity 115-019 (Div. B)	LFA - Marion Quantity 114-035	JPR - Bartlett Quantity 114-032B	Quantity TOTAL	Unit
1	CONSTRUCTION ENGINEERING	1	1	1	1	LS
2	RAILROAD INSURANCE	1	0	0	1	LS
3	CPM SCHEDULE	0	0	1	1	LS
4	CPM SCHEDULE, MONTHLY UPDATE	0	0	12	12	EACH
5	MOBILIZATION AND DEMOBILIZATION	1	1	1	1	LS
6	VIDEO RECORD	0	1	0	1	LS
7	UTILITY ALLOWANCE	0	10,000	30,000	40,000	DOL
8	<Pay Item Deleted>	0	0	0	0	DOL
9	UNDISTRIBUTED ALLOWANCE	0	35,000	0	35,000	DOL
10	<Pay Item Deleted>	0	0	0	0	LS
11	TREE, REMOVE	0	0	30	30	EACH
12	CLEARING RIGHT OF WAY	1	1	1	1	LS
13	TESTING FOR ASBESTOS	1	0	0	1	EACH
14	PAVEMENT REMOVAL	15,974	5,975	8,038	29,987	SYS
15	CURB, CONCRETE, REMOVE	12,251	0	3,470	15,721	LFT
16	CURB AND GUTTER, REMOVE	463	6,904	0	7,367	LFT
17	HOUSES AND BUILDINGS, REMOVE, PARCEL NO. 35	0	1	0	1	LS
18	SIDEWALK, CONCRETE, REMOVE	12,148	2,936	1,640	16,724	SYS
19	INLET, REMOVE	72	16	10	98	EACH
20	LIGHT STANDARD AND FOUNDATION, REMOVE	83	53	5	141	EACH
21	TRAFFIC SIGNAL EQUIPMENT, REMOVE	250	4	1	255	EACH
22	<Pay Item Deleted>	0	0	0	0	EACH
23	FIRE HYDRANT ASSEMBLY, REMOVE	11	0	0	11	EACH
24	FLAG POLE AND FOUNDATION, REMOVE	2	0	0	2	EACH
25	EXCAVATION, COMMON	3,062	6,359	6,813	16,254	CYS
26	BORROW	1,899	600	600	3,099	CYS
27	<Pay Item Deleted>	0	0	0	0	CYS
28	TEMPORARY INLET PROTECTION	268	70	47	385	EACH
29	TEMPORARY MULCH	0	10	0	10	TON
30	TEMPORARY SILT FENCE	278	356	550	1,184	LFT
31	NO 2 STONE	100	100	200	400	TON
32	TEMPORARY SEED MIXTURE	0	1,104	0	1,104	LBS
33	SUBGRADE TREATMENT, TYPE I	0	10,725	0	10,725	SYS
34	SUBGRADE TREATMENT, TYPE II	0	1,063	0	1,063	SYS
35	SUBGRADE TREATMENT, TYPE IV	6,440	0	0	6,440	SYS
36	SUBGRADE TREATMENT, TYPE IB	9,276	0	0	9,276	SYS
37	STRUCTURAL BACKFILL, TYPE 1	909	902	1,626	3,437	CYS
38	STRUCTURAL BACKFILL, TYPE 5	557	0	0	557	CYS
39	COMPACTED AGGREGATE, NO. 53, BASE	1,061	466	3,715	5,242	TON
40	DENSE GRADED SUBBASE	0	881	0	881	CYS
41	<Pay Item Deleted>	0	0	0	0	CYS
42	HMA PATCHING, TYPE D	587	0	50	637	TON
43	WIDENING WITH HMA, TYPE D	2,157	0	0	2,157	TON
44	MILLING, ASPHALT, 1 1/2 IN	46,192	0	22,985	69,177	SYS
45	MILLING ASPHALT, 3 1/2 IN	1,344	0	0	1,344	SYS
46	MILLING ASPHALT, 4 1/2 IN	1,005	0	0	1,005	SYS
47	MILLING ASPHALT, 2 1/2 IN	7,101	0	0	7,101	SYS
48	<Pay Item Deleted>	0	0	0	0	SYS

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
49	MILLING, ASPHALT, 2 IN	0	7,497	0	7,497	SYS
50	QC/QA-HMA, 2, 70, SURFACE, 9.5 mm	218	0	0	218	TON
51	QC/QA-HMA, 4, 76, SURFACE, 9.5 mm	4,827	0	1,830	6,657	TON
52	QC/QA-HMA, 4, 76, SURFACE, 12.5 mm	0	1,281	0	1,281	TON
53	QC/QA-HMA, 2, 70, INTERMEDIATE, 19.0 mm	374	0	0	374	TON
54	QC/QA-HMA, 4, 76, INTERMEDIATE, 19.0 mm	0	1,494	0	1,494	TON
55	QC/QA-HMA, 2, 64, BASE, 19.0 mm	448	0	0	448	TON
56	QC/QA-HMA, 4, 64, BASE, 19.0 mm	0	2,048	0	2,048	TON
57	HMA SURFACE, TYPE B	0	0	630	630	TON
58	HMA INTERMEDIATE, TYPE B	0	0	175	175	TON
59	HMA BASE, TYPE B	0	0	410	410	TON
60	JOINT ADHESIVE, SURFACE	32,251	6,047	13,850	52,148	LFT
61	JOINT ADHESIVE, INTERMEDIATE	0	6,063	460	6,523	LFT
62	LIQUID ASPHALT SEALANT	32,251	6,105	13,850	52,206	LFT
63	ASPHALT FOR TACK COAT	18	5	7	30	TON
64	QC/QA PCCP, 10 IN.	5,557	3,623	4,550	13,730	SYS
65	<Pay Item Deleted>	0	0	0	0	SYS
66	PCCP, 9 IN	0	0	1,365	1,365	SYS
67	PCCP, 6 IN	0	35	30	65	SYS
68	PCCP, 5 IN.	0	53	65	118	SYS
69	PCCP, 4 IN.	599	0	0	599	SYS
70	PCCP, COLORED, 10 IN	22	594	825	1,441	SYS
71	PCCP, COLORED, 8 IN 9 IN	0	69	0	69	SYS
72	PCCP, COLORED, 6 IN	0	200	215	415	SYS
73	<Pay Item Deleted>	0	0	0	0	SYS
74	<Pay Item Deleted>	0	0	0	0	SYS
75	<Pay Item Deleted>	0	0	0	0	SYS
76	D-1 CONTRACTION JOINT	2,866	2,893	3,880	9,639	LFT
77	SLEEPER SLAB	0	358	0	358	LFT
78	PREFORMED JOINT MATERIAL	0	358	0	358	LFT
79	GUARDRAIL, REMOVE	1,096	0	0	1,096	LFT
80	GUARDRAIL END TREATMENT, MS	2	0	0	2	EACH
81	<Pay Item Deleted>	0	0	0	0	SYS
82	SIDEWALK, CONCRETE, 4"	8,024	0	0	8,024	SYS
83	SIDEWALK, CONCRETE, 5"	4,478	3,542	2,845	10,865	SYS
84	SIDEWALK, CONCRETE, 6"	596	0	0	596	SYS
85	SIDEWALK, CONCRETE, DECORATIVE	0	1,796	0	1,796	SYS
86	MOW STRIP, CONCRETE	0	0	8	8	LFT
87	CURB RAMP, CONCRETE, A	636	31	0	667	SYS
88	CURB RAMP, CONCRETE, C	128	402	117	647	SYS
89	<Pay Item Deleted>	0	0	0	0	SYS
90	CURB RAMP, CONCRETE, E	0	87	0	87	SYS
91	CURB RAMP, CONCRETE, F	15	0	80	95	SYS
92	CURB RAMP, CONCRETE, G	65	28	122	215	SYS
93	CURB RAMP, CONCRETE, H	137	11	0	148	SYS
94	CURB RAMP, CONCRETE, K	117	0	0	117	SYS
95	CURB RAMP, CONCRETE, L	25	48	0	73	SYS
96	CURB RAMP, CONCRETE, UNIQUE	0	94	0	94	SYS
97	<Pay Item Deleted>	0	0	0	0	LS

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
98	CURB, INTEGRAL, CONCRETE	2,511	2,767	3,625	8,903	LFT
99	CURB, INTEGRAL, B, CONCRETE, MODIFIED	0	371	410	781	LFT
100	CURB, CONCRETE	4,333	880	2,290	7,503	LFT
101	<Pay Item Deleted>	0	0	0	0	LFT
102	<Pay Item Deleted>	0	0	0	0	LFT
103	CENTER CURB, D, CONCRETE	46	0	0	46	SYS
104	CURB AND GUTTER, B, CONCRETE	11,130	4,405	0	15,535	LFT
105	HMA FOR APPROACHES, TYPE B	0	272	685	957	TON
106	PCCP FOR APPROACHES, 9 IN	0	1,063	220	1,283	SYS
107	PCCP FOR APPROACHES, 8 IN	279	0	0	279	SYS
108	PCCP FOR APPROACHES, 6 IN	972	0	0	972	SYS
109	<Pay Item Deleted>	0	0	0	0	SYS
110	<Pay Item Deleted>	0	0	0	0	LFT
111	GEOTEXTILES	0	0	100	100	SYS
112	MOBILIZATION AND DEMOBILIZATION FOR SEEDING	0	2	0	2	EACH
113	<Pay Item Deleted>	0	0	0	0	KGAL
114	SODDING, NURSERY AND TOPSOIL	1,818	8,958	8,150	18,926	SYS
115	CURB IDENTIFICATION MARKER	124	70	0	194	EACH
116	BRICK, DECORATIVE	612	1,049	0	1,661	SYS
117	BRICK, DECORATIVE, PERMEABLE	4,655	735	290	5,680	SYS
118	OVERSTORY TREE, 2" CALIPER	106	36	75	217	EACH
119	ORNAMENTAL TREE, 2", CALIPER	3	5	14	22	EACH
120	EVERGREEN TREE, 6'-8' HEIGHT	0	0	14	14	EACH
121	SHRUB, NO.3 CONTAINER	234	157	178	569	EACH
122	PERENNIAL, NO. 1 CONTAINER	801	204	313	1,318	EACH
123	ORNAMENTAL GRASS, NO. 1 CONTAINER	146	50	248	444	EACH
124	GROUNDCOVER, PLUG	202	1,125	1,125	2,452	EACH
125	SHREDDED HARDWOOD MULCH	76	60	60	196	CYS
126	TRASH ENCLOSURE	0	0	1	1	EACH
127	TRASH RECEPTACLE	17	0	0	17	EACH
128	BACKFILL MIX FOR PLANTINGS	410	0	0	410	CYS
129	BENCH	4	0	0	4	EACH
130	BICYCLE RACK	30	9	0	39	EACH
131	SIGN, DECORATIVE, TWO WAY CYCLE TRACK	4	0	0	4	EACH
132	SIGN, DECORATIVE, TWO WAY CYCLE TRACK WITH SUPPLEMENT	1	0	0	1	EACH
133	SIGN, DECORATIVE, SHARED USE PATH	2	0	0	2	EACH
134	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, SHARED CYCLE TRACK	6	6	0	12	EACH
135	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, CYCLE TRACK SYMBOL	21	16	0	37	EACH
136	PRECAST CONCRETE PLANTER	4	4	4	12	EACH
137	TREE GRATE	77	0	0	77	EACH
138	LANDSCAPE EDGING	0	100	315	415	LFT
139	IRRIGATION, TREE WATERING SYSTEM	107	25	24	156	EACH
140	IRRIGATION, LANDSCAPE	0	6,458	6,570	13,028	SYS
141	IRRIGATION, REPAIR	0	2,650	2,135	4,785	SYS
142	GABION RENO MATTRESS	0	0	16	16	SYS
143	MASONRY WALL	62	0	0	62	CYS
144	ROUNDABOUT - REINFORCING STEEL	0	2,000	0	4,000	LBS
145	ROUNDABOUT - MODULAR FACE BRICK	0	1,650	1,425	3,075	SFT
146	ROUNDABOUT - UPPER RETAINING WALLS	0	95	75	170	LFT

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
147	ROUNDABOUT - LOWER RETAINING WALLS	0	110	110	220	LFT
148	ROUNDABOUT - CONCRETE COLUMNS	0	60	60	120	CYS
149	CONCRETE MONUMENT FOOTING	0	19	19	38	CYS
150	<Pay Item Deleted>	0	0	0	0	SYS
151	24" WIDE PRECAST CONCRETE WALL CAP	0	182	182	364	LFT
152	56" SQ PRECAST CONCRETE CAP	0	4	4	8	EACH
153	68" SQ PRECAST CONCRETE CAP	0	4	4	8	EACH
154	<Pay Item Deleted>	0	0	0	0	EACH
155	PRECAST CONCRETE HEADWALL	0	0	1	1	EACH
156	METER PIT	0	1	1	2	EACH
157	<Pay Item Deleted>	0	0	0	0	LFT
158	PIPE, TYPE 2 CIRCULAR 8 IN	33	9	0	42	LFT
159	PIPE, TYPE 2 CIRCULAR 10 IN	0	18	0	18	LFT
160	PIPE, TYPE 2 CIRCULAR 12 IN	2,480	2,019	1,036	5,535	LFT
161	PIPE, TYPE 2 CIRCULAR 15 IN	0	8	174	182	LFT
162	PIPE, TYPE 2 CIRCULAR 18 IN	0	237	237	474	LFT
163	PIPE, TYPE 2 CIRCULAR 21 IN	0	0	103	103	LFT
164	PIPE, TYPE 2 CIRCULAR 24 IN	0	15	264	279	LFT
165	PIPE, TYPE 2 CIRCULAR 30 IN	0	0	294	294	LFT
166	PIPE, TYPE 2 CIRCULAR 36 IN	0	0	416	416	LFT
167	PIPE, TYPE 2 CIRCULAR 42 IN	0	0	28	28	LFT
168	HMA FOR STRUCTURE INSTALLATION, TYPE B	0	20	0	20	TON
169	VIDEO INSPECTION FOR PIPE	3,099	2,306	2,552	7,957	LFT
170	<Pay Item Deleted>	0	0	0	0	EACH
171	CASTING, ADJUST TO GRADE	28	14	31	73	EACH
172	CASTING, 2, FURNISH AND ADJUST TO GRADE	4	0	0	4	EACH
173	CASTING, 4, FURNISH AND ADJUST TO GRADE	9	10	0	19	EACH
174	CASTING, 10, FURNISH AND ADJUST TO GRADE	6	0	0	6	EACH
175	CASTING, 13, FURNISH AND ADJUST TO GRADE	1	1	0	2	EACH
176	INLET, A3, MODIFIED	2	0	0	2	EACH
177	INLET, R13	3	1	0	4	EACH
178	INLET, A2, MODIFIED	1	0	0	1	EACH
179	CATCH BASIN, J15	0	0	7	7	EACH
180	CATCH BASIN, K10	67	17	0	84	EACH
181	INLET, S14	1	0	0	1	EACH
182	CATCH BASIN, F7	0	2	0	2	EACH
183	CATCH BASIN, M10	0	17	0	17	EACH
184	CATCH BASIN, B15	9	0	0	9	EACH
185	CATCH BASIN, C15	1	0	0	1	EACH
186	PIPE CATCH BASIN, 12 IN	0	3	0	3	EACH
187	MANHOLE, C4	19	2	1	22	EACH
188	MANHOLE, D4	0	0	1	1	EACH
189	MANHOLE, D15, MODIFIED	0	0	10	10	EACH
190	MANHOLE, F4	1	0	1	2	EACH
191	MANHOLE, H4	0	3	0	3	EACH
192	MANHOLE, H10, MODIFIED	0	1	0	1	EACH
193	MANHOLE, J10, MODIFIED	0	2	0	2	EACH
194	MANHOLE, C15, MODIFIED, DOGHOUSE	0	0	1	1	EACH
195	MANHOLE, D15, MODIFIED, DOGHOUSE	0	0	1	1	EACH

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
196	INLET, B15, MODIFIED	0	0	4	4	EACH
197	INLET, C15, MODIFIED	0	0	8	8	EACH
198	INLET, B15	0	0	8	8	EACH
199	INLET, C15	0	0	1	1	EACH
200	TRENCH DRAIN	0	287	0	287	LFT
201	STRUCTURE, MANHOLE, RECONSTRUCTED	0	0	3	3	LFT
202	FIRE HYDRANT ASSEMBLY	11	1	0	12	EACH
203	FIRE HYDRANT, RESET	9	0	0	9	EACH
204	WATER MAIN, D.I., 6"	0	4	80	84	LFT
205	STORMWATER QUALITY TREATMENT UNIT	0	0	1	1	EACH
206	WATER MAIN, D.I. 20"	0	237	244	481	LFT
207	<Pay Item Deleted>	0	0	0	0	EACH
208	MECHANICAL JOINT RESTRAINT FOR 20" DI WATER MAIN	0	12	12	24	EACH
209	<Pay Item Deleted>	0	0	0	0	EACH
210	TEMPORARY PAVEMENT MESSAGE MARKING, REMOVABLE, LANE INDICATION ARROW	14	6	16	36	EACH
211	CONSTRUCTION SIGN, C	5	17	8	30	EACH
212	ROAD CLOSURE SIGN ASSEMBLY	48	0	0	48	EACH
213	TEMPORARY PANEL SIGNS	759	0	0	759	SFT
214	TEMPORARY PANEL SIGN SUPPORTS	248	0	0	248	LFT
215	TEMPORARY PAVEMENT MARKING, 4 IN	41,877	2,030	9,100	53,007	LFT
216	TEMPORARY PAVEMENT MARKING, REMOVABLE, 24"	200	40	180	420	LFT
217	DETOUR ROUTE MARKER ASSEMBLY	195	28	57	280	EACH
218	CONSTRUCTION SIGN, A	259	14	56	329	EACH
219	CONSTRUCTION SIGN, B	3	25	0	28	EACH
220	FLASHING ARROW SIGN	1,080	60	270	1,410	DAY
221	CHANGEABLE MESSAGE SIGN	4	3	0	7	EACH
222	TUBULAR MARKER, PERMANENT	12	0	0	12	EACH
223	MAINTAINING TRAFFIC	1	1	1	1	LS
224	BARRICADE, III-A	1,030	0	0	1,030	LFT
225	BARRICADE, III-B	608	636	480	1,724	LFT
226	BOLLARD, DECORATIVE, ILLUMINATED	11	22	0	33	EACH
227	HOSPITAL SIGN REMOVAL	0	0	1	1	EACH
228	SIGN POST, SQUARE, TYPE 1, REINFORCED ANCHOR BASE	907	503	398	1,808	LFT
229	<Pay Item Deleted>	0	0	0	0	LFT
230	PROJECT INFORMATION SIGN	0	1	0	1	EACH
231	SIGN, SHEET ASSEMBLY, RELOCATE	71	0	0	71	EACH
232	SIGN, SHEET, WITH LEGEND 0.080"	428	231	118	777	SFT
233	SIGN, SHEET, WITH LEGEND 0.100 IN	81	108	178	367	SFT
234	SIGN STRUCTURE, SALVAGE	0	1	0	1	LS
235	SIGNAL EQUIPMENT, SALVAGE	0	1	0	1	LS
236	<Pay Item Deleted>	0	0	0	0	EACH
237	TRANSPORTATION OF SALVAGEABLE SIGNAL EQUIPMENT	28	0	0	28	EACH
238	TESCO CABINET W/DUAL SERVICE, FOUNDATION, WIRING, ETC.	4	1	1	6	EACH
239	TESCO CABINET W/SINGLE SERVICE, FOUNDATION, WIRING & ETC	20	1	0	21	EACH
240	MAST ARM HAND HOLE COVERS	38	0	0	38	EACH
241	WIRELESS MAGNETOMETER DETECTOR, RELOCATE	24	0	0	24	EACH
242	SIGNAL CABLE INTERCONNECT, FIBER OPTIC	255	620	0	875	LFT
243	SIGNAL POLE, PEDESTAL, 15 FT	7	0	0	7	EACH
244	LOOP DETECTOR DELAY COUNTING AMPLIFIER, 2 CHANNEL	49	0	0	49	EACH

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
245	LOOP DETECTOR RACK	11	0	0	11	EACH
246	CONTACT CLOSURE CARD	1	0	0	1	EACH
247	RECEIVER PROCESSOR	1	0	0	1	EACH
248	<Pay Item Deleted>	0	0	0	0	EACH
249	<Pay Item Deleted>	0	0	0	0	EACH
250	HANDHOLE, SIGNAL, TYPE 1	71	11	7	89	EACH
251	HANDHOLE, SIGNAL, ADJUST TO GRADE	34	0	0	34	EACH
252	RELOCATE CONTROLLER CABINET	8	0	0	8	EACH
253	CONTROLLER, RELOCATE AND REWIRE	8	0	0	8	EACH
254	TRAFFIC SIGNAL HEAD, 3-SECTION, RELOCATE	96	1	0	97	EACH
255	PEDESTRIAN SIGNAL HEAD, 12 IN., RELOCATE	6	0	0	6	EACH
256	PEDESTRIAN SIGNAL HEAD, COUNTDOWN, 18 IN	136	8	0	144	EACH
257	SIGNAL PEDESTAL FOUNDATION, A	57	5	0	62	EACH
258	SIGNAL POLE, PEDESTAL, 12FT	42	5	0	47	EACH
259	<Pay Item Deleted>	0	0	0	0	LFT
260	PVC SCHEDULE 80 CONDUIT, 3/4"	0	0	6,225	6,225	LFT
261	CONDUIT, PVC, 2 IN, SCHEDULE 80	8,080	0	6,884	14,964	LFT
262	PVC SCHEDULE 80 CONDUIT, 3"	0	168	160	328	LFT
263	CONDUIT, HDPE, 2 IN, SCHEDULE 80	11,445	3,180	0	14,625	LFT
264	CONDUIT, STEEL, 2 IN, GALVANIZED	55	0	0	55	LFT
265	<Pay Item Deleted>	0	0	0	0	LFT
266	<Pay Item Deleted>	0	0	0	0	EACH
267	SIGNAL CANTILEVER STRUCTURE, SINGLE ARM, 25 FT.	2	0	0	2	EACH
268	<Pay Item Deleted>	0	0	0	0	EACH
269	<Pay Item Deleted>	0	0	0	0	EACH
270	SIGNAL CANTILEVER STRUCTURE, SINGLE ARM, 45 FT.	1	0	0	1	EACH
271	SIGNAL CANTILEVER STRUCTURE, SINGLE ARM, 50 FT.	1	0	0	1	EACH
272	SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE A	46	0	0	46	EACH
273	SIGNAL CANTILEVER STRUCTURE, DRILLED SHAFT FOUNDATION, TYPE B	3	0	0	3	EACH
274	SIGNAL CANTILEVER STRUCTURE, RELOCATE	37	0	0	37	EACH
275	PAINTING TRAFFIC SIGNALS	19	0	0	19	EACH
276	THERMAL DETECTION CAMERA	16	0	0	16	EACH
277	THERMAL DETECTION SYSTEM	7	0	0	7	EACH
278	TRAFFIC SIGNAL HEAD, 3 SECTION, 12", RED AMBER GREEN BIKE SIGNALS	8	0	0	8	EACH
279	TRAFFIC SIGNAL HEAD, 5 SECTION, 12", RED AMBER GREEN, AMBER ARROW, GREEN ARR	23	0	0	23	EACH
280	<Pay Item Deleted>	0	0	0	0	EACH
281	PEDESTRIAN PUSH BUTTON, NON-APS	92	6	0	98	EACH
282	<Pay Item Deleted>	0	0	0	0	EACH
283	<Pay Item Deleted>	0	0	0	0	EACH
284	<Pay Item Deleted>	0	0	0	0	EACH
285	CONSTRUCTION LIGHTING	300	1,000	100	1,400	DAY
286	SIGNAL CABLE, SERVICE, COPPER. 3C/8GA	800	0	0	800	LFT
287	SIGNAL CABLE, ROADWAY LOOP, COPPER 1C/14GA	35,728	1,217	2,500	39,445	LFT
288	SIGNAL CABLE, CONTROL, COPPER 5C/14GA	28,703	687	0	29,390	LFT
289	SIGNAL CABLE, CONTROL, COPPER 7C/14GA	9,204	27	0	9,231	LFT
290	SIGNAL CABLE, DETECTOR LEAD-IN COPPER 2C/16GA	11,324	0	0	11,324	LFT
291	SIGNAL DETECTOR HOUSING	88	0	0	88	EACH
292	<Pay Item Deleted>	0	0	0	0	LFT
293	ILLUMINATED WALL LETTERING	0	0	1	1	LS

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
294	SAW CUT FOR ROADWAY LOOP AND SEALANT	13,728	425	800	14,953	LFT
295	HANDHOLE, LIGHTING	3	20	5	28	EACH
296	LIGHT STANDARD FOUNDATION, 2FT DIAMETER X 6FT	138	54	44	236	EACH
297	LUMINAIRE, ORNAMENTAL	214	0	0	214	EACH
298	LIGHT POLE, ORNAMENTAL, SINGLE	62	0	0	62	EACH
299	LIGHT STANDARD TYPE 'D'	0	10	12	22	EACH
300	LIGHT STANDARD TYPE 'E'	0	0	29	29	EACH
301	LIGHT STANDARD TYPE 'A'	0	0	5	5	EACH
302	LIGHT STANDARD TYPE 'B'	0	0	4	4	EACH
303	LIGHT STANDARD TYPE 'C'	0	51	12	63	EACH
304	<Pay Item Deleted>	0	0	0	0	EACH
305	<Pay Item Deleted>	0	0	0	0	EACH
306	LANDSCAPE LIGHTS, LED, TYPE 'F'	0	26	31	57	EACH
307	LANDSCAPE LIGHTS, LED, TYPE 'G'	0	4	4	8	EACH
308	NEW PANEL AND LIGHTING CONTACTOR	0	0	1	1	EACH
309	MISCELLANEOUS EQUIPMENT FOR LIGHTING	0	0	1	1	LS
310	3/0 WIRE	0	0	320	320	LFT
311	NO. 3 WIRE	0	320	320	640	LFT
312	NO. 4 WIRE, COPPER, 4 1/2"	10,895	0	22,000	32,895	LFT
313	NO. 6 WIRE, COPPER, 4 1/2"	10,895	6,347	160	17,402	LFT
314	NO. 8 WIRE	0	160	20,830	20,990	LFT
315	NO. 10 WIRE	0	2,760	23,725	26,485	LFT
316	NO. 12 WIRE	0	225	3,495	3,720	LFT
317	<Pay Item Deleted>	0	0	0	0	LFT
318	CABLE, POLE CIRCUIT THWN, NO 10 COPPER, STRANDED, 1/2"	6,160	0	0	6,160	LFT
319	<Pay Item Deleted>	0	0	0	0	LFT
320	<Pay Item Deleted>	0	0	0	0	LFT
321	CONNECTOR KIT, UNFUSED	352	54	0	406	EACH
322	CONNECTOR KIT, FUSED	352	54	0	406	EACH
323	MULTIPLE COMPRESSION FITTING, NON-WATERPROOFED	622	0	0	622	EACH
324	MULTIPLE COMPRESSION FITTING, WATERPROOFED	4	200	0	204	EACH
325	INSULATION LINK, NON-WATERPROOFED	39	0	0	39	EACH
326	INSULATION LINK, WATERPROOFED	12	216	0	228	EACH
327	<Pay Item Deleted>	0	0	0	0	EACH
328	LINE, REMOVE	47,985	0	100	48,085	LFT
329	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, BIKE SYMBOL	84	0	0	84	EACH
330	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, BIKE SYMBOL	13	0	0	13	EACH
331	LINE, THERMOPLASTIC, SOLID, WHITE, 4 IN.	35,088	2,257	1,290	38,635	LFT
332	LINE, THERMOPLASTIC, SOLID, YELLOW, 4 IN.	47,811	4,501	6,575	58,887	LFT
333	LINE, THERMOPLASTIC, BROKEN, WHITE, 4 IN.	1,099	78	2,430	3,607	LFT
334	LINE, THERMOPLASTIC, BROKEN, YELLOW, 4 IN.	5,073	356	0	5,429	LFT
335	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN.	20,273	0	1,970	22,243	LFT
336	LINE, THERMOPLASTIC, SOLID, YELLOW, 6 IN.	651	0	0	651	LFT
337	LINE, THERMOPLASTIC, SOLID, YELLOW, 8"	0	194	540	734	LFT
338	LINE, THERMOPLASTIC, DOTTED, WHITE, 6 IN.	794	0	0	794	LFT
339	LINE, MULTI-COMPONENT, BROKEN, WHITE, 4 IN.	0	45	650	695	LFT
340	LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN.	2,538	2,486	3,160	8,184	LFT
341	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN.	2,709	1,139	2,130	5,978	LFT
342	LINE, MULTI-COMPONENT, BROKEN, YELLOW, 4 IN.	407	213	180	800	LFT

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
343	LINE, MULTI-COMPONENT, SOLID, WHITE, 6 IN	949	0	0	949	LFT
344	LINE, MULTI-COMPONENT, DOTTED, WHITE, 8 IN.	0	96	200	296	LFT
345	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 8"	860	0	0	860	LFT
346	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, YELLOW, 12"	0	50	145	195	LFT
347	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK LINE, 6"	9,595	1,224	300	11,119	LFT
348	TRANSVERSE MARKING THERMOPLASTIC CROSSWALK, WHITE 24"	4,269	1,245	0	5,514	LFT
349	TRANSVERSE MARKING THERMOPLASTIC, STOP LINE, 24 IN	3,184	204	555	3,943	LFT
350	TRANSVERSE MARKING, THERMOPLASTIC, YIELD, WHITE, 24 IN.	0	117	0	117	LFT
351	TRANSVERSE MARKING, MULTI-COMPONENT, WHITE, CROSSHATCH, 8 IN.	289	0	60	349	LFT
352	TRANSVERSE MARKINGS MULTI-COMPONENT, CROSSHATCH LINE, WHITE, 12"	0	27	220	247	LFT
353	TRANSVERSE MARKING, MULTI-COMPONENT, CROSSWALK LINE, 6"	1,071	0	0	1,071	LFT
354	TRANSVERSE MARKING MULTI-COMPONENT, STOP LINE, 24"	254	0	52	306	LFT
355	TRANSVERSE MARKINGS, MULTI-COMPONENT, CROSSWALK, WHITE, 24 IN.	429	0	0	429	LFT
356	TRANSVERSE MARKINGS, MULTI-COMPONENT, YIELD LINE, WHITE, 24 IN.	13	79	0	92	LFT
357	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW	280	20	110	410	EACH
358	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, (ONLY)	26	3	16	45	EACH
359	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, HANDICAP SYMBOL	4	0	0	4	EACH
360	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, LANE INDICATION ARROW	8	4	13	25	EACH
361	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT, (ONLY)	2	2	0	4	EACH
362	PAVEMENT MESSAGE MARKINGS, MULTI-COMPONENT HANDICAP SYMBOL	14	0	0	14	EACH
363	PAVEMENT MARKING, SOLID, MULTI-COMPONENT, GREEN	202	94	0	296	SYS
364	PAVEMENT MARKING, SOLID, MULTI-COMPONENT, RED	50	0	0	50	SYS
365	HMA FOR PATCHING, TYPE B	0	0	390	390	TON
366	<Pay Item Deleted>	0	0	0	0	SYS
367	POROUS CONCRETE	0	298	0	298	SYS
368	FENCE, TEMPORARY	0	560	0	560	LFT
369	CURB RAMP, CONCRETE, G, MODIFIED	0	0	13	13	SYS
370	CONCRETE STAIR	0	0	30	30	LFT
371	STAIR RAILING	0	0	14	14	LFT
372	CURB, CONCRETE, 8 IN	0	554	554	1,108	LFT
373	CASTING, FURNISH, INSTALL & ADJUST TO GRADE	0	0	7	7	EACH
374	TEMPORARY TRANSVERSE PAVEMENT MARKING, STOP LINE, 24"	0	30	0	30	LFT
375	TEMPORARY PAVEMENT MARKING, REMOVABLE, 4"	0	7,190	3,000	10,190	LFT
376	BARRICADE, II	0	12	0	12	LFT
377	SIGNAL HEAD, COVER	0	8	0	8	EACH
378	MISCELLANEOUS ELECTRICAL EQUIPMENT	0	0	1	1	LS
379	MISC ELECTRICAL REVISIONS	0	0	1	1	LS
380	CONTROLLER CABINET FOUNDATION, P1	8	0	0	8	EACH
381	FIBER OPTIC, RELOCATE	0	175	0	175	LFT
382	WIRELESS MAGNETOMETER DETECTOR, NEW	18	0	0	18	EACH
383	PEDESTRIAN PUSH BUTTON, RELOCATE	4	0	0	4	EACH
384	LIGHT STANDARD FOUNDATION, 2FT DIAMETER X 8FT	0	0	10	10	EACH
385	ELECTRICAL DEVICES AND POST	0	0	33	33	EACH
386	LINE, THERMOPLASTIC, SOLID, WHITE, 12 IN.	0	0	760	760	LFT
387	LINE, THERMOPLASTIC, SOLID, WHITE, 24 IN.	0	0	35	35	LFT
388	LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN.	0	0	260	260	LFT
389	LINE, MULTI-COMPONENT, SOLID, WHITE, 12 IN	0	0	2,050	2,050	LFT
390	LINE, MULTI-COMPONENT, SOLID, WHITE, 24 IN	0	0	15	15	LFT
391	CATCH BASIN, E7	0	1	0	1	EACH

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
392	SIGN, SHEET, REMOVE	0	51	0	51	EACH
393	LIGHT POLE, ORNAMENTAL, TWIN	76	8	0	84	EACH
394	SIGNAL CABLE, CONTROL, COPPER 3C/14GA	0	106	0	106	LFT
395	TRAFFIC SIGNAL HEAD, 5-SECTION, RELOCATE	2	1	0	3	EACH
396	TRAFFIC SIGNAL CABLE, FIBER OPTIC, MULTI-MODE	0	2060	0	2060	LFT
397	PAVEMENT MARKING, SOLID, THERMOPLASTIC, GREEN	863	296	0	1159	SYS
398	<Pay Item Deleted>	0	0	0	0	EACH
399	POLE FOUNDATION, REMOVE	0	10	0	10	EACH
400	WATER MAIN, D.I., 8"	0	123	0	123	LFT
401	WATER MAIN, TESTING TAP, 2 IN.	0	2	1	3	EACH
402	WATER SERVICE, COPPER, 2 IN.	0	35	30	65	LFT
403	WATER SERVICE, D.I., 4 IN.	0	24	0	24	LFT
404	CONNECT TO EXISTING WATER SERVICE, 4 IN.	0	1	0	1	EACH
405	CONNECT TO EXISTING WATER MAIN, 6 IN.	0	1	0	1	EACH
406	CONNECT TO EXISTING WATER MAIN, 8 IN.	0	2	0	2	EACH
407	TRANSITION COUPLING, 20 IN.	0	6	6	12	EACH
408	45 DEGREE ELBOW, 2 IN.	0	2	2	4	EACH
409	45 DEGREE ELBOW, 8 IN.	0	4	0	4	EACH
410	90 DEGREE ELBOW, 20 IN.	0	4	4	8	EACH
411	CAP, 6 IN.	0	1	0	1	EACH
412	CAP, REMOVE EXISTING, 6 IN.	0	1	0	1	EACH
413	TEE, 6 IN. X 6 IN. X 4 IN.	0	1	0	1	EACH
414	CORPORATION STOP, 2 IN.	0	1	1	2	EACH
415	GATE VALVE AND BOX, 4 IN.	0	1	0	1	EACH
416	BUTTERFLY VALVE AND BOX, 20 IN.	0	2	2	4	EACH
417	INSERT VALVE AND BOX, 8 IN.	0	2	0	2	EACH
418	TEMPORARY LINE STOP VALVE, 20 IN.	0	2	0	2	EACH
419	MANHOLE, REMOVE	0	0	3	3	EACH
420	CURB RAMP, CONCRETE, B	0	0	30	30	SYS
421	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 8"	1054	0	60	1114	LFT
422	ADJUST WATER SERVICE LINE, COMMERCIAL	0	2	0	2	EACH
423	INSPECTION HOLE	0	10	0	10	EACH
424	TAP, WATER SERVICE, 1 IN. - CITY TAP FEE	0	2	0	2	EACH
425	CAP EXISTING WATER SERVICE LINE	0	2	0	2	EACH
426	SEWER LATERAL PRIVATE BUILDING, REINSTATEMENT	0	2	0	2	EACH
427	SIGNAL POLE, PEDESTAL, 4 FT.	6	0	0	6	EACH
428	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, SHARE THE ROAD	23	0	0	23	EACH
429	CONDUIT, HDPE, SCHEDULE 80, 3 IN.	1000	0	0	1000	LFT
430	CONDUIT, HDPE, SCHEDULE 80, 4 IN.	80	0	0	80	LFT
431	SIGN, SHEET ASSEMBLY, NEW	38	0	0	38	EACH
432	<Pay Item Deleted>	0	0	0	0	EACH
433	CONNECT TO EXISTING STRUCTURE	20	12	0	32	EACH
434	MECHANICAL JOINT RESTRAINT FOR 8" DI WATER MAIN	0	10	0	10	EACH
435	MECHANICAL JOINT RESTRAINT FOR 6" DI WATER MAIN	0	3	0	3	EACH
436	MECHANICAL JOINT RESTRAINT FOR 4" DI WATER MAIN	0	3	0	3	EACH
437	TRANSVERSE MARKING, MULTI-COMPONENT, YELLOW, CROSSHATCH LINE, 12"	0	0	85	85	LFT
438	FIELD OFFICE, C	0	12	0	12	MOS
439	GUARDRAIL END TREATMENT, TYPE OS	2	0	0	2	EACH
440	CURVED TERMINAL END	4	0	0	4	EACH

Item No	Description	Quantity 115-019 (Div. B)	Quantity 114-035	Quantity 114-032B	Quantity TOTAL	Unit
441	GUARDRAIL, W-BEAM, 6'-3" SPACING	939	0	0	939	LFT
442	BICYCLE REPAIR STATION	1	0	0	1	EACH
443	PEDESTAL MOUNTED DRINKING FOUNTAIN	1	0	0	1	EACH
444	INLET, A2	2	0	0	2	EACH
445	CATCH BASIN, K10, MODIFIED	6	0	0	6	EACH
446	MANHOLE, C2	1	0	0	1	EACH
447	SOLAR POWERED SPEED LIMIT FLASHING BEACON ASSEMBLY	4	0	0	4	EACH
448	HYBRID BEACONS	5	0	0	5	EACH
449	EMERGENCY VEHICLE PREEMPTION	1	0	0	1	EACH
450	DRINKING FOUNTAIN SERVICE LINE	33	0	0	33	LFT
451	DRINKING FOUNTAIN DRAIN LINE	8	0	0	8	LFT
	ALTERNATE NO. 1					
501	CROSSWALK SYSTEM - FLUSH BI-DIRECTIONAL FIXTURE	0	14	20	34	EACH
502	CROSSWALK SYSTEM - FLASHING PEDESTRIAN SIGN	0	4	8	12	EACH
503	CROSSWALK SYSTEM CONTROLLER	0	1	1	2	EACH
504	CROSSWALK SYSTEM - PEDESTRIAN PUSH-BUTTON STATION	0	4	4	8	EACH
505	NO. 8 WIRE	0	1,678	1,592	3270	LFT
506	NO. 12 WIRE	0	1,474	1,430	2904	LFT
507	HANDHOLE, SIGNAL, TYPE 1	0	2	2	4	EACH
508	CONDUIT, PVC, 2 IN, SCHEDULE 80	0	423	412	835	LFT
509	CONDUIT, PVC, 1 IN, SCHEDULE 80	0	176	919	1095	LFT
	ALTERNATE NO. 2					
526	PERMEABLE PAVEMENT	1622	650	0	2272	SYS
527	HEADER, CONCRETE	2246	514	0	2760	LFT
	ALTERNATE NO. 3					
536	QC/QA PCCP, 10 IN.	2122	765	0	2887	SYS
537	SUBGRADE TREATMENT, TYPE IB	2122	765	0	2887	SYS
	ALTERNATE NO. 4					
551	CONDUIT, HDPE, 2 IN, SCHEDULE 80	4000	3,200	0	7200	LFT
552	HANDHOLE	25	12	0	37	EACH

Appendix I

Bidder Questions and Answers

SOUTH BEND ONE-WAY TO TWO-WAY STREET CONVERSION
PROJECT NO. 116-001
FOR BIDS DUE: 02/23/16

Q and A Form

Questions from interested parties concerning the contract shall be submitted no later than February 15, 2016 if an answer is desired prior to the letting. Submitted questions along with available answers are posted to the Q and A Form and later made a part of the contract by a revision. There may be questions shown on the Q and A Form without posted answers. However, the issuance of additional answers after the revision is issued should not be anticipated by any bidder. Therefore bidders are advised to prepare their bids based on the contract documents as issued.

Q: Tue 1/26/2016 8:48 AM

A: Fri 2/12/2016 4:33 PM

Can you supply the rim elevations for the structures?

This will be addressed in a forthcoming addendum.

It appears that some of the pipe runs are in the compacted aggregate base. Is this what you want? Are we to assume this is where you want to use the ductile iron pipe? If not, where do you want it to be used?

Some of the pipe runs are located in the compacted aggregate base. Pipe materials shall be in accordance with the provided pipe material tables.

Rim elevations, size and inverts are missing from the drywells.

The drywells in the Chippewa project are 6' diameter and 8' deep. Based on interpolation between survey points, rim elevations are as follows:

Str. 38 - 810.88

Str. 64 - 803.79

Str. 83 - 811.06

Placement should be field verified for proper drainage of the parking lot.

The stations along the center line of the drawings do not scale accurately.

A review of the PDF plan sets indicate no scaling issues. Please clarify specific sheets where scaling is inaccurate.

Do you have existing grades in the roundabout area?

See grading plans and cross sections within the plan sets for details.

Q: Fri 1/29/2016 4:39 PM

A: Fri 2/12/2016 4:33 PM

Can you please clarify some items: Div. A, Item #153 (SIGNAL CANTILEVER STRUCTURE, SINGLE TRUSS ARM 25FT.) in the plans it calls for it to be black, but in the specs it calls for it to be galvanized.

This will be addressed in a forthcoming addendum.

Div. B, Items #270, 271 (SIGNAL CANTILEVER STRUCTURE, SINGLE TRUSS ARM 45FT.) in the specs it calls for a SINGLE ARM but the item is a TRUSS ARM.

This will be addressed in a forthcoming addendum.

Q: Fri 2/5/2016 12:05 PM

A: **Mon 2/15/2016 7:53 AM**

For the PaveDrain Permeable Pavement. What color is it suppose be? also I noticed it said they need to be laid down in mats. Can they be loose laid like they were on the Western project?

This will be addressed in a forthcoming addendum. The permeable pavement blocks are to be gray in color. Installation shall be in accordance with the provision.

Also for all of the Bricks on the project. The bricks for Div B 3 of 3. The pavers in the islands before the roundabout. They say 6x12 but there information is not in the specifications. Are these correct?

This will be addressed in a forthcoming addendum. Pavers in Div B 3 of 3 are to be 10"x10" and 5"x10" permeable brick pavers by Eco-Priora, or approved equal, in accordance with the provisions.

Q: Fri 2/5/2016 1:46 PM

A: **Mon 2/15/2016 7:53 AM**

We don't see what areas are designated as mulched seeding or sod on many sheets and the edging areas are not clearly called out. There are also conflicting details specifying two different mulch thicknesses for tree plantings. One calls for 1.5" and another calls for 3". We don't seem to be close on the mulch or lawn area quantities listed in the bid proposal. This is quite puzzling.

This will be addressed in a forthcoming addendum. There is no mulched seeding proposed for the project. Areas of sod are as shown on the plans; see typical sections and plan sheets / detail sheets. Tree plantings shall have 3" of mulch.

Q: Fri 2/11/2016 8:42 AM

A: **Mon 2/15/2016 3:55 PM**

What is the intent of the contractor is responsible for snow removal?

Clarification will be made in a forthcoming addendum.

With the size of this project we are having a terrible time finding enough help (sub-contractors) to build this project based on the construction timeline. I feel we can build A 100% this year. I do not think it feasible to construct B 100% in 2016. Would the city entertain the idea of building the 2 roundabouts in 16 and the work from sample to LaSalle in 17? This would keep everything one way until 17 when we could switch to 2 way.

Modifications to Prosecution and Progress time-sets will be made in a forthcoming addendum.

The project says no local aggregate or crushed concrete. In the cost impact to the project this is substantial. We have been approved to use recycled concrete on almost every project in this area for the last 10+ years. I am unaware of any problems anyone has had with recycled

concrete. I understand that you do not want gravel but these are two totally different products. Will you take another look at allowing the use of recycled concrete aggregate base?

This will be addressed in a forthcoming addendum. Sources of aggregate shall be in accordance with INDOT Standard specs, Section 904.

Work hours are listed at 7am to 7pm. Is there any reason we could not mill and pave at night do to traffic impact? The project is already going to be congested without 20+/- dump trucks constantly cycling.

This will be addressed in a forthcoming addendum. Contractor must comply with local noise ordinance at all times.

Q: Mon 2/15/2016 4:58 PM

A: Tue 2/16/2016 1:46 AM

Can you supply borings and pavement cores for the Division A project?

All available geotechnical information is provided in Appendix F of the Contract Documents, including a geotechnical evaluation for the Chippewa/Michigan/Main Intersection Improvements.