

CITY OF AUBURN
ENSLEY-SPROTT STORM SEWER PROJECT
CONTRACTOR QUOTE SHEET

April 2, 2019

Municipal City of Auburn, Indiana, (Owner) requests Contractor unit cost and total quote for our Ensley-Sprott Storm Sewer Project for work to be completed in 2019.

CITY DEPARTMENTS (OWNER) WORK:

1. City Engineering Department will inform residents what to expect from start to finish of project prior to construction.
2. City Engineering Department will mark with paint all proposed manhole and catch basin locations.
3. City Engineering Department will provide inspection and will field measure all final installed quantities for payment.
4. City Street Department will supply and erect all street barricades, detour signs and any "road closed" signs required for complete closure of through traffic along Ensley Avenue, from Sprott Street to Van Buren Street, throughout duration of project.
5. City Street Department will accept all excavated concrete, asphalt and trench spoil materials at the City concrete dumpsite located on Auburn Drive. Excavated sod and topsoil spoil materials will not be accepted and Contractor shall haul this material off-site to a safe dumping location per discretion of Contractor.
6. City Water Department will provide the Contractor with following necessary materials for replacement of the one (1) "lead" water tap service including: corporation stop, HDPE 200 psi service pipe with tracer wire, curb stop valve, curb box and extension rod, and any necessary fittings and/or couplers.

CONTRACTOR'S WORK:

1. Submit a construction schedule and timeline from start to finish to Engineering Department after quote award.
2. Contractor shall refer to the Storm Sewer General Notes, Detail SW 1-2 on sheet 2 of design drawings, for general specifications, requirements and testing not stated herein. Mandrel testing of new storm sewer pipe will be required. Air testing will not be required. An excavation permit will not be required. "Record As-Built Drawings" will not be required.
3. Contractor shall provide all required materials, except City furnished materials discussed herein, and furnish all required trucks, equipment and labor to perform all work.
4. All concrete used for curb, sidewalk and ADA ramp replacement shall be 6-bag 4,000 psi at 28 days mix strength concrete. All concrete used for alley and drive approach replacement shall be 7-bag "High Early" strength concrete to obtain 3-day cure time and then re-opened to traffic. A clear, waterborne, membrane-forming curing compound in accordance with ASTM C 309, Type 1, Class B, Dissipating, in accordance with ACI 308 shall be applied to all concrete per manufacturer's instructions.
5. All Hot Mix Asphalt (HMA) used on this project shall come from plant(s) currently listed with the Indiana Department of Transportation as a Certified Hot Mix Asphalt Producer.
6. Contractor shall submit shop drawings to the City Engineering Department for review prior to construction for the following items: manhole, catch basin, 12" HDPE perforated D.W., 12" PVC SDR21, 4" perforated flex underdrain, perforated pipe bedding material and #53 gravel testing laboratory proctor analysis.
7. Call 811 for locations of buried utilities prior to any construction activity.
8. Contractor shall confine operations at site to areas permitted within existing rights of ways. Do not unreasonably encumber site with materials or equipment.
9. Contractor shall perform any required de-watering necessary within the construction area, and costs shall be included in other bid items.
10. Contractor shall protect all trees within construction area.
11. For Traffic Control, City Street Department will supply and erect all street barricades, detour signs and any "road closed" signs required for complete closure of through traffic along Ensley Avenue, from Sprott Street to Van Buren Street, throughout duration of project but only during Contractor's work-day hours.

Ensley Avenue shall be re-opened during evenings and weekends. Contractor shall be responsible for maintaining, positioning and re-positioning City supplied street barricades and "road closed" signs on a daily basis throughout entire construction process. Contractor must allow continuous vehicle access to all residential properties within the construction area for emergency vehicles, residents and/or related business. Contractor shall give minimum seventy-two (72) hour notice to owners or tenants of private property who will be affected by construction, including informing each resident when they can and cannot use their driveway entrance. At the end of each working day, Contractor shall secure with cones, barricades and/or "caution" tape, all equipment, disturbed areas, stone piles and new construction. Any costs incurred shall be included in other bid items.

12. Mobilization/Demobilization: Contractor shall include all costs associated with moving materials, personnel and equipment to and from the project site, and acquiring any bonds and insurance. No permits will be required. The lump sum unit cost for this pay item shall not be more than five percent (5%) of the Contractor's total quote.
13. Common Excavation: Contractor shall perform all required saw cutting of existing pavement, concrete curbing, sidewalk and drive approach for those areas where shown on design drawing and in accordance with design details and maximum trench pay widths. Contractor shall excavate street and alley pavement, concrete curbing, sidewalk and drive approach, existing storm inlet structure with section of existing 8" storm sewer pipe, "lead" service water tap and curb box, sod, topsoil down to required sub-grade elevation. Also included in this bid item is all trench excavation of sub-grade materials for new storm sewer construction and 4" perforated flex under-drain down to required sub-grade elevation. Contractor shall not stock pile any excavated material in grass areas behind walk or in street pavement area. Contractor shall place old casting and lid from existing storm inlet structure in an area where the WPC Sewer Department can pick-up and remove off-site for their future use. Contractor shall separate all concrete material from any other material and haul all excavated clean concrete to City concrete dumpsite on Auburn Drive. All asphalt and trench spoil materials shall also be hauled to the City concrete dumpsite on Auburn Drive. Contractor shall coordinate with Street Superintendent who will determine the location of dumping areas. Contractor will be required to provide the labor and equipment necessary to level dumped spoil materials on a routine basis. Other materials such as "lead" service water tap pipe, curb box, storm sewer pipe, sod or topsoil will not be accepted at the City concrete dumpsite. Contractor shall haul these materials off-site to a safe dumping location per discretion of Contractor. Contractor shall include in this item all costs for labor and materials to install a concrete bulkhead in the exposed end of existing 8" storm sewer pipe after removal of existing storm inlet structure where shown on design drawing. Payment for this item shall be a lump sum unit cost and paid by percentage completed.
14. Trench Special Back-Fill is required: 1) For all proposed storm sewer construction, and 2) For new water service replacement in paved areas. Contractor shall back-fill excavated trenches by providing, placing and compacting #53 gravel at maximum 12-inch lifts, compacted to 95% standard proctor, up to required sub-grade elevation and in accordance with design details. For new water service replacement in non-paved areas, Contractor shall back-fill excavated trenches by placing and compacting suitable excavated spoil material up to required sub-grade elevation. Cost for materials and all work associated with trench special back-fill shall be included in with and paid-for by the unit cost for those quote items requiring trench special back-fill, described below.
15. For Stone Sub-base Materials, all items requiring crushed limestone for stone sub-base materials described below, Contractor may choose to use recycled crushed concrete in replacement of crushed limestone. The use of any recycled crushed concrete will require prior approval of materials by Street Superintendent. Cost for materials and all work associated with stone sub-base materials shall be included in with and paid-for by the unit cost for those quote items requiring stone sub-base materials, described below.
16. Saw-cut & Repair Existing Storm Manhole: For existing 48" storm sewer manhole located at east end of new storm sewer, Contractor shall remove the entire existing 10 foot of 12" HDPE storm sewer stub pipe from inside and outside of manhole. Contractor shall then saw-cut existing manhole at the proper design elevation to receive proposed new 12" HDPE storm sewer pipe. Once new 12" HDPE storm sewer pipe is set in-place, Contractor shall: 1) Install a concrete mortar collar around new 12" HDPE storm sewer pipe inside and outside of existing manhole, and 2) Repair void area in manhole, which exists from previous location of existing 12" HDPE stub pipe, by installing a brick and mortar patch. Cost for this item shall include all necessary labor, materials, tools and equipment required for removal of existing stub pipe,

proper installation of new 12" HDPE storm sewer pipe and all repairs to existing manhole. Payment for this item shall be a lump sum unit cost.

17. 12" HDPE Perforated Dual Wall & 12" PVC SDR 21 Storm Sewer Pipes: (See details). Contractor shall install 12" HDPE perforated dual wall and 12" PVC SDR 21 storm sewer pipes where shown on design drawings and in accordance with design details. Payment lengths of installed storm sewer pipe shall be measured from the inside face to inside face of storm structures. Note that all cost for trench excavation of sub-grade materials for both items will be included in with and paid-for by the Common Excavation line item, therefore NO cost for trench excavation shall be included with either of these quote line items. Cost per linear foot of 12" HDPE perforated dual wall and 12" PVC SDR 21 storm sewer pipes shall include: pipe bedding; trench special back-fill and compaction; mandrel testing; and all installations according to design drawings and details. Payment for both items being the unit cost by actual length of pipe installed.
18. 4" Perforated Flex Under-drain: (See details). Contractor shall install 4" perforated flex under-drain pipe where shown on design drawings and in accordance with design details. Payment lengths of installed under-drain pipe shall be measured from the inside face of storm structure to end cap. Note that all cost for trench excavation of sub-grade materials for this item will be included in with and paid-for by the Common Excavation line item, therefore NO cost for trench excavation shall be included with this line item. Cost per linear foot of 4" perforated flex under-drain shall include: pipe bedding; all fittings and end caps; and all installations according to design drawings and details. Payment for this item being the unit cost by actual length of pipe installed.
19. 48" Storm Manhole with Type II Casting: (See details). Contractor shall install 48" storm manhole with Type II casting where shown on design drawings and in accordance with design details. A maximum of 12 inches and a minimum of 4 inches of concrete riser rings is required with manhole. Note that all cost for trench excavation of sub-grade materials for this item will be included in with and paid-for by the Common Excavation line item, therefore NO cost for trench excavation shall be included with this line item. Cost for this item shall include: gravel bedding; grout collars inside and outside for all pipes, trench special back-fill and compaction; concrete riser rings; casting; and all installations according to design drawings and details. Payment for this item being the unit cost by actual number of manholes installed.
20. 30" Storm Catch Basin with Type I Casting: (See details). Contractor shall install 30" storm catch basin with Type I casting where shown on design drawings and in accordance with design details. A maximum of 12 inches and a minimum of 4 inches of concrete riser rings is required with catch basin. Note that all cost for trench excavation of sub-grade materials for this item will be included in with and paid-for by the Common Excavation line item, therefore NO cost for trench excavation shall be included with this line item. Cost for this item shall include: gravel bedding; grout collars inside and outside for all pipes, trench special back-fill and compaction; concrete riser rings; casting; and all installations according to design drawings and details. Payment for this item being the unit cost by actual number of catch basins installed.
21. Water Service Replacement: (See detail). It is anticipated that Contractor will encounter one (1) "lead" water service during construction of new storm sewer where shown on design drawings. Contractor shall replace water service with new HDPE pipe from the water main to the right of way line of Ensley Avenue (being approximately 1 foot behind back of proposed new sidewalk). Contractor shall notify the City Water Department (925-5711) then notify homeowner as to when the water service will be shut-off for replacement. City Water Department will provide the following necessary materials for water service replacement including: corporation stop, HDPE 200 psi service pipe with tracer wire, curb stop valve, curb box and extension rod, and any necessary fittings and/or couplers. For quoting purposes, the estimated length of this water service replacement shall be assumed at 35 linear feet, with 15 linear feet being within street pavement area, 15 linear feet being within non-paved area, and remaining 5 linear feet being within proposed new sidewalk area. All areas being at an average trench depth of 4 feet below finished grade. Note that all cost for trench excavation of sub-grade materials for this quote item will be included in with and paid-for by the Common Excavation line item, therefore NO cost for trench excavation shall be included with this line item. Cost for water service replacement shall include: pipe bedding, trench back-fill, trench special back-fill and compaction; and all installations of provided material according to design drawings and detail. Payment for this item being the unit cost by actual number of water services replaced.
22. Rolled Curb Replacement: (See detail). Contractor shall construct rolled curbs, standard or depressed, where shown on design drawing and in accordance with design detail. Cost for this item shall include: providing, placing and compacting required depth of #73 crushed limestone sub-base; 6-bag concrete

mix; rebar reinforcing; and all work required for proper installation of rolled curb. Payment for this item being the unit cost by actual length of rolled curb installed.

23. Square Curb Replacement: (See detail). Contractor shall construct square curbs, standard or depressed, where shown on design drawing and in accordance with design detail. Cost for this item shall include: providing, placing and compacting required depth of #73 crushed limestone sub-base; 6-bag concrete mix; rebar reinforcing; and all work required for proper installation of square curb. Payment for this item being the unit cost by actual length of square curb installed.
24. Sidewalk Replacement: (See detail). Contractor shall construct concrete sidewalks where shown on design drawing and in accordance with design detail. Cost for this item shall include: providing, placing and compacting required depth of #73 crushed limestone sub-base; 6-bag concrete mix; and all work required for proper installation of concrete sidewalk. Payment for this item being the unit cost by actual square yards of sidewalk installed.
25. ADA Ramp Replacement: (See detail). Contractor shall construct two (2) concrete ADA ramps where shown on design drawing and in accordance with design detail. Cost for this item shall include: providing, placing and compacting required depth of #73 crushed limestone sub-base; 6-bag concrete mix; rebar reinforcing; 2' x 5' fiberglass detectable warning plate for each ramp and all work required for proper installation of concrete ADA ramp. Payment for this item being the unit cost by actual square yards of ADA ramp installed.
26. Concrete Approach Replacement: (See detail). Contractor shall construct concrete drive and alley approaches where shown on design drawing and in accordance with design detail. Cost for this item shall include: providing, placing and compacting required depth of #73 crushed limestone sub-base; 7-bag "High Early" concrete mix; and all work required for proper installation of concrete approach replacement. Payment for this item being the unit cost by actual square yards of concrete approach installed.
27. Asphalt Pavement Replacement: (See detail). Contractor shall construct asphalt pavement replacement where shown on design drawing and in accordance with design detail. For asphalt pavement replacement areas lying outside of the proposed new sewer route, Contractor shall remove and replace a 36-inch wide strip of asphalt pavement adjoining proposed curb replacement which will better allow the use of mechanical compaction of materials. In all proposed asphalt pavement replacement areas, Contractor shall: 1) Provide, place, roll, and compact 7" finished depth of #1 or #2 crushed limestone; 2) Provide, place, roll, and compact 3" finished depth of #53 or #73 crushed limestone; 3) Provide, place, roll, and compact 3" finished depth of #8/#9 HMA Binder; 4) Provide, place, roll, and compact 1" finished depth of *HMA Modified Surface. Contractor shall uniformly apply an Asphalt Emulsion or "tack-coat" at a rate of 0.06 Gal/Syd to achieve complete 100% coverage over all binder asphalt prior to placing *HMA Modified Surface. "Tack-coat" shall be applied even if binder asphalt was placed the same day. All surface areas to be treated shall be dry, cleaned and free from any debris prior to applying "tack-coat". Allow "tack-coat" to cure undisturbed before applying *HMA Modified Surface. *HMA Modified Surface shall consist of the following materials: *25% of #11 Limestone; 30% of #12 Limestone; 45% Sand; with 6% Liquid Asphalt. Cost for this item shall include: providing, placing and compacting required depth of crushed limestone, HMA binder, *HMA surface; "tack-coat"; and all work required for proper installation of asphalt pavement replacement. Payment for this item being the unit cost by actual square yards of asphalt pavement installed within the pay limits in accordance with design detail ST2 or as specified above. No metal slag shall be used in either mix for binder or surface asphalt. A maximum of twenty percent (20%) of recycled asphalt pavement (RAP) may be used in binder mix. A maximum of five percent (5%) of recycled asphalt pavement (RAP) may be used in surface mix. The 5% RAP content for surface mix can be used as part of the overall mix percentage for #11 Limestone or #12 Limestone. Contractor shall submit shop drawing breakdown of both asphalt mixes. All delivery tickets for HMA binder and surface shall clearly state the contents and percentages, including RAP, of the asphalt mix. Compaction shall be per Section 402.15 of the current INDOT Standard Specifications.
28. Seeding Restoration: Contractor shall restore and seed all non-paved areas disturbed by construction. Contractor shall: 1) Remove any materials within 4" of the final grade such as stones, rocks, bricks, concrete or asphalt larger than 1-inch diameter which may exist along with cutting all tree roots and haul off-site to a safe dumping location per discretion of Contractor. 2) Provide, place and compact approved screened topsoil at a minimum 4" depth for all restoration areas. 3) Use the

proper equipment necessary to till, level and blend disturbed areas with adjacent existing grass areas and prepare topsoil for seeding. 4) Apply seed using Hoham City Park Sun/Shade Mix (consisting of 25% Creeping Red Fescue, 25% Parkland Kentucky Blue Grass, 20% Amazing GS Perennial Ryegrass, 20% Apple GL Perennial Ryegrass, 10% Compass Chewing Fescue), according to manufacturer's suggested application rate over all proposed seeding areas. An alternate seed mixture and/or manufacturer may be requested for review and acceptance during shop drawings submittal. 5) Apply starter fertilizer (12-12-12 mixture) using a Nitrogen-Phosphorus-Potassium nutrient mixture, according to manufacturer's suggested application rate, over all proposed seeding areas. An alternate fertilizer may be requested for review and acceptance during shop drawings submittal. 6) Cover all seeded areas with straw. 7) Apply enough water over all seeding restoration areas to achieve the proper soil moisture content for germination. Apply water gently so that the soil, seed and straw does not wash away. The watering of all seeding restoration areas may be required by Contractor periodically to ensure adequate germination has been achieved and a satisfactory growth of new grass is achieved. Contractor may choose "hydro-seeding" as a mechanical method of applying seed, fertilizer and stabilizing mulch to perform seeding restoration. Payment for this item shall be a lump sum unit cost.

29. Contractor shall hand-deliver, mail or email a quote to Steve Klein, Director of Engineering, Engineering Department, 210 S. Cedar Street, 2nd Floor, Auburn, Indiana 46706 no later than **10:00 am on Thursday, May 16, 2019**. Contractor shall provide unit costs and totals for all quote items or Contractor's entire quote will be considered incomplete and will then be rejected. A quote tabulation letter will be prepared and emailed out to all contractors within 48-hours of quote deadline.
30. Contractor shall hold all quote prices for all work until completion date.
31. Contractor's quotes will be presented to the Board of Public Works & Safety for consideration and award at a public meeting of the Board of Works & Safety at **9:00 am on Thursday, May 23, 2019** in the City Hall Council Chambers, 210 East Ninth Street, Auburn, Indiana.
32. Contractor's work may begin on **Monday, June 3, 2019** and shall be totally complete by **Friday, August 9, 2019**, and once construction starts Contractor shall maintain a continuous construction schedule until completed.
33. Contractor shall submit all invoices to the Director of Engineering. Contractor may submit one invoice per month OR Contractor may submit just one invoice for the total project after completion of project. All final installed quantities will be measured and verified by City Engineering Department.
34. All material and workmanship shall be guaranteed to the City of Auburn for three (3) years by Contractor providing a Maintenance Bond in the amount of ten percent (10%) of the final construction contract price. Warranty period shall begin when all punch list items are completed and maintenance bond shall be submitted with final pay application.

ENSLEY-SPROTT STORM SEWER PROJECT:

<u>QUOTE ITEMS</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
1) Mobilization/Demobilization (Not to Exceed 5% of Quote Total)	1	lump sum	\$_____
2) Common Excavation (536+/- cy)	1	lump sum	\$_____
3) Saw-cut & Repair Existing Storm Manhole	1	lump sum	\$_____
4) 12" HDPE Perforated Dual Wall Storm Sewer Pipe	348 lf	@ \$_____ per lf	\$_____
5) 12" PVC SDR 21 Storm Sewer Pipe	96 lf	@ \$_____ per lf	\$_____
6) 4" Perforated Flex Under-drain	70 lf	@ \$_____ per lf	\$_____
7) 48" Storm Manhole with Type II Casting	1	@ \$_____ each	\$_____
8) 30" Storm Catch Basin with Type I Casting	2	@ \$_____ each	\$_____
9) Water Service Replacement	1	@ \$_____ each	\$_____
10) Rolled Curb Replacement	35 lf	@ \$_____ per lf	\$_____
11) Square Curb Replacement	90 lf	@ \$_____ per lf	\$_____
12) Sidewalk Replacement	230 sy	@ \$_____ per sy	\$_____
13) ADA Ramp Replacement	10 sy	@ \$_____ per sy	\$_____
14) Concrete Approach Replacement	60 sy	@ \$_____ per sy	\$_____
15) Asphalt Pavement Replacement	90 sy	@ \$_____ per sy	\$_____
16) Seeding Restoration (277+/- sy)	1	lump sum	\$_____
QUOTE TOTAL: \$			_____

QUOTE DUE NO LATER THAN 10:00 AM ON THURSDAY, MAY 16, 2019. CONTRACTOR SHALL SUBMIT A COMPLETE COPY OF ALL PAGES OF THIS BID DOCUMENT, NOT JUST BID FORM. The lowest submitted QUOTE TOTAL will be used to determine project award. Contractor shall provide unit costs and a total for all quote items or Contractor's entire bid will be considered incomplete and will then be rejected.

NOTE: Errors in Computation

In unit price Quotes, the extensions and totals are for informational purposes only, and the determination of the lowest Quote shall be based solely on the total results of computations of the estimated quantities and the unit price. Errors in extensions and totals will be corrected by the Engineering Dept. and the corrected totals will be used based upon the unit prices provided.

CONTRACTOR:

COMPANY NAME: _____

ADDRESS: _____

PHONE #: _____

EMAIL ADDRESS: _____

PRINTED NAME: _____

SIGNATURE: _____

For questions or comments, contact:

DARYL McCONNELL, ENGINEERING DEPARTMENT at dkmccconnell@ci.auburn.in.us , (260)-925-8264, ext. 1402

210 SOUTH CEDAR STREET CITY HALL, 2nd FLOOR AUBURN, IN 46706

Daryl McConnell, Assistant City Engineer

Steve Klein, Director of Engineering

Attachment: design drawings (24"x36")