



MAYOR & COUNCIL COMMUNICATION

DATE: May 3, 2016
REGULAR
ITEM 11

AGENDA ITEM: CSAH 17 (Lake Elmo Avenue) Phase 1 and 2 Improvements – Resolution Approving Revised Cooperative Agreement with Washington County

SUBMITTED BY: Jack Griffin, City Engineer

THROUGH: Kristina Handt, City Administrator

REVIEWED BY: Cathy Bendel, Finance Director
Sarah Sonsalla, City Attorney
Chad J. Isakson, Project Engineer

SUGGESTED ORDER OF BUSINESS:

- Introduction of Item City Engineer
- Report/Presentation..... County Project Manager
- Questions from Council to Staff Mayor Facilitates
- Call for Motion Mayor & City Council
- Discussion..... Mayor & City Council
- Action on Motion..... Mayor Facilitates

SUMMARY AND ACTION REQUESTED:

The City Council is respectfully requested to consider a Resolution Approving a Revised Cooperative Agreement with Washington County for the County State Aid Highway 17 (Lake Elmo Avenue) Phase 1 and 2 Improvements.

LEGISLATIVE HISTORY:

Using updated cost data, including an “Estimate-to-Completion” for the Phase 1 Improvements, and contractor bids for the Phase 2 Improvements, Washington County has prepared Cooperative Agreement 10196 and is asking the Council to approve the Agreement with the intent of replacing the previous Cooperative Agreement 9660.

The Cooperative Agreement sets forth the provisions that authorizes the County to implement the improvements including engineering design, construction administration, testing, right-of-way and easement acquisition, including the use of eminent domain, and retaining a contractor for project construction. The Agreement further outlines the City’s obligations for cost participation including

payment terms and schedule. The costs remain estimated for the purpose of the Cooperative Agreement, however the costs are much better known at this time after receiving contractor bids for all improvements and with the Phase 1 construction and easement/right-of-way acquisition close to being completed.

Representatives from Washington County intend to be present at the Council meeting to be available to further detail requested changes and to answer any questions.

BACKGROUND:

The City Council approved a resolution of support for the County State Aid Highway 17 (Lake Elmo Avenue) Phase 1 Improvements at the February 5, 2015 council meeting, and approved concurrence to award a construction contract following a public improvement hearing held on June 9, 2015. Also at the June 9, 2015 meeting, the City Council approved Cooperative Agreement 9660 with Washington County to authorize the County to implement the improvements. The costs were estimated for the purpose of the Cooperative Agreement, based on contractor bid prices for the Phase 1 Improvements, preliminary design estimates for the Phase 2 Improvements, and estimated costs for design, construction administration and oversight, and estimated easement/right-of-way acquisition costs.

The City Council approved a resolution of support for the preliminary layout for the County State Aid Highway 17 (Lake Elmo Avenue) Phase 2 Improvements at the April 21, 2015 council meeting. Washington County and its design consultant, SEH, then proceeded with the final design which was presented to the Council at the February 16, 2016 council meeting. The project was then advertised for bids with contractor bids being received on April 5, 2016.

RECOMMENDATION:

Staff is recommending that the City Council approve Resolution 2016-XX Approving a Revised Cooperative Agreement with Washington County for the State Aid Highway 17 (Lake Elmo Avenue) Phase 1 and 2 Improvements. The recommended motion for the action is as follows:

“Move to approve Resolution No. 2016-36 approving Cooperative Agreement 10196 with Washington County for the County State Aid Highway 17 (Lake Elmo Avenue) Phase 1 and 2 Improvements.”

ATTACHMENT(S):

1. Resolution Approving Cooperative Agreement 10196.
2. Cooperative Agreement 10196.
3. Exhibit A – Project Location Map.
4. Exhibit B – CSAH 17 Phase 1 Costs.
5. Exhibit C – CSAH 17 Phase 2 Costs.

**CITY OF LAKE ELMO
WASHINGTON COUNTY
STATE OF MINNESOTA**

RESOLUTION NO. 2016-36

**A RESOLUTION APPROVING COOPERATIVE AGREEMENT 10196
WITH WASHINGTON COUNTY FOR THE COUNTY STATE AID
HIGHWAY 17 (LAKE ELMO AVE) PHASE 1 AND 2 IMPROVEMENTS**

WHEREAS, the County intends to construct an improvement project on both County State Aid Highway (CSAH) 10 and County State Aid Highway (CSAH) 15 in the City of Lake Elmo, hereinafter referred to as the “Project”; and

WHEREAS, the County reconstructed in 2015, as Phase 1 of this project, a portion of the City streets; Upper 33rd Street North, 36th Street North, and Laverne Avenue in downtown Lake Elmo as shown on Exhibit A; and

WHEREAS, the County intends to reconstruct in 2016, as Phase 2 of this project, CSAH 17 (Lake Elmo Avenue) from Trunk Highway (TH) 5 to 30th Street, a portion of 30th Street North in the downtown Lake Elmo, 36th Street west of CSAH 17, 35th Street west of CSAH 17, and 34th Street west of CSAH 17 as shown on Exhibit A; and

WHEREAS, the right of way, preliminary design, final design, construction inspection/administration and construction cost estimates for Phase 1 have been prepared by the County and the City will participate in these costs as summarized in Section F of this cooperative agreement; and

WHEREAS, the right of way, preliminary design, final design, construction inspection/administration and construction cost estimates for Phase 2 has been prepared by the County and the City will participate in these costs as summarized in Section F of this cooperative agreement; and

WHEREAS, the City desires to use local and state aid funds for these improvements, the State Aid Project number for Laverne Ave is SAP 201-106-001, the City Project number is 2014-137, the State Aid Project number for 30th Street is SAP 206-108-002; and

WHEREAS, the County desires to use local and state aid funds for these improvements, the State Aid Project number for CSAH 17 (Lake Elmo Avenue) is SAP 082-617-007 and 082-617-013; and

WHEREAS, a cooperative effort between the City and County is the appropriate method to facilitate the right of way acquisition, preliminary and final design, construction inspection/administration and construction cost; and

WHEREAS, this Agreement is made pursuant to statutory authority contained in Minnesota Statute 162.17 sub.1 and Minnesota Statute 471.59.

NOW, THEREFORE, BE IT RESOLVED,

1. That Cooperative Agreement 10196 between the City of Lake Elmo and Washington County is hereby approved and the Mayor and City Administrator are hereby authorized execute the agreement on behalf of the City of Lake Elmo.

ADOPTED BY THE LAKE ELMO CITY COUNCIL ON THE THIRD DAY OF MAY, 2016.

CITY OF LAKE ELMO

By: _____
Mike Pearson
Mayor

(Seal)
ATTEST:

Julie Johnson
City Clerk

COOPERATIVE AGREEMENT BETWEEN THE CITY OF LAKE ELMO AND WASHINGTON COUNTY FOR ~~RIGHT OF WAY, PRELIMINARY DESIGN, FINAL DESIGN, CONSTRUCTION INSPECTION/ADMINISTRATION AND CONSTRUCTION COSTS FOR COUNTY STATE AID HIGHWAY (CSAH) 17~~COUNTY STATE AID HIGHWAY (CSAH 17) PHASES I & II

WASHINGTON COUNTY	
CONTRACT NO.	<u>10196</u>
DEPT.	<u>PUBLIC WORKS</u>
DIVISION	<u>TRANSPORTATION</u>
TERM	<u>SIGNATURE - COMPLETION</u>

THIS AGREEMENT, by and between the City of Lake Elmo, a municipal corporation, herein after referred to as the "City", and Washington County, a political subdivision of the State of Minnesota, hereinafter referred to as the "County", shall consist of this agreement, Exhibit A (Project Location Map), Exhibit B (Phase 1 Costs), and Exhibit C (Phase 2 Costs). "Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects" which is incorporated into this agreement by reference.

WITNESSETH:

WHEREAS, the County ~~intends to reconstruct in 2015~~, as Phase 1 of this project, a portion of the City streets; Upper 33rd Street North, 36th Street North, and Laverne Avenue in downtown Lake Elmo as shown on Exhibit A; ~~and~~

WHEREAS, the County intends to reconstruct in 2016, as Phase 2 of this project, CSAH 17 (Lake Elmo Avenue) from ~~Trunk Highway (TH) 5~~ County State Aid Highway 14 (Old Trunk Highway 5) to 30th Street and a portion of 30th Street North, 36th Street west of CSAH 17, 35th Street west of CSAH 17, and 34th Street west of CSAH 17 in the downtown Lake Elmo as shown on Exhibit A; and

WHEREAS, the right of way, preliminary design, final design, construction inspection/administration and construction cost estimates for Phase 1 have been prepared by the County and the City will participate in these costs as summarized in Section F of this cooperative agreement; and

WHEREAS, the right of way, preliminary design, final design, construction inspection/administration and construction cost estimates for Phase 2 has been prepared by the County and the City will participate in these costs as summarized in Section F of this cooperative agreement; and

WHEREAS, the City desires to use local and state aid funds for these improvements, the State Aid Project number for Laverne Ave is SAP 201-106-001, the City Project number ~~for 36th Street~~ is 2014-137, the State Aid Project number for 30th Street is SAP 206-108-002; and

WHEREAS, the County desires to use local and state aid funds for these improvements, the State Aid Project number for CSAH 17 (Lake Elmo Avenue) is SAP 082-617-007, and 082-617-013; and

WHEREAS, a cooperative effort between the City and County is the appropriate method to facilitate the right of way acquisition, preliminary and final design, construction inspection/administration and construction cost; and

WHEREAS, this Agreement is made pursuant to statutory authority contained in Minnesota Statute 162.17 sub.1 and Minnesota Statute 471.59.

NOW THEREFORE, IT IS HEREBY MUTUALLY AGREED AS FOLLOWS:

A. PURPOSE

1. The purpose of this agreement is set forth in the above whereas clauses which are all incorporated by reference as if fully set forth herein.

- The Parties agree that ~~his Agreement No. 10196 contract~~ terminates and supersedes Cooperative Agreement No. ~~9660 between the Parties, dated June 23, 2015 which superseded and terminated Cooperative Agreement No. 9155 between the Parties, dated December 16, 2014.~~

B. PLANS AND SPECIFICATION PREPARATION

The County ~~'s contracted consultant~~ shall be responsible for the preparation of the necessary plans and specifications, including compliance with Minnesota State Aid requirements and all other applicable standards and policies and obtaining all approvals required in arriving at the bid specifications for all components of this project.

C. RIGHT OF WAY AND EASEMENTS

- The County shall acquire all permanent right-of-way, permanent easements, and temporary construction easements. All permanent rights-of-way, permanent easements, and temporary construction easements will be acquired in the name of the County.
- Any rights-of-way, permanent easements, and temporary construction easements that cannot be obtained through negotiation will be acquired by the County through eminent domain proceedings.
- Upon completion of the project, title to permanent right-of-way for and adjacent to City streets and permanent easements for storm water storage and water quality treatment within the City will be conveyed to the City.

D. ADVERTISEMENT AND AWARD OF CONTRACT

- After plans and specifications for all components of this project have been approved, all permits and approvals have been obtained, and any necessary rights-of-way and easements have been acquired, the County shall advertise for construction bids or quotes.
- Once bids are received, the City will be given the opportunity to review and evaluate the bid and provide City Council concurrence on the approval of the bids. Once City concurrence is provided, the County shall award the contract to the lowest responsible bidder.

E. CONSTRUCTION ADMINISTRATION, OBSERVATION, AND TESTING

- Construction administration, inspection, observation, and testing for the project will be performed by the County's contracted consultant, ~~and will be paid for under the construction inspection/administration contract.~~

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F. COST PARTICIPATION ITEMS AND ESTIMATED COSTS

~~4.~~ The estimated cost participation breakdown is in accordance with "Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects", which is incorporated into this agreement by reference. ~~the REVISED DRAFT "Cost Participation Policy for Projects Constructed in Washington County Using State Aid Funds or Local Tax Levy Dollars" dated September 30, 2014.~~

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RIGHT OF WAY & EASEMENTS

- ~~1.~~ The City shall pay to the County 100 percent of the cost of all permanent right-of-way, permanent utility and/or drainage easements, temporary slope easements, title work costs, appraisal costs, relocation specialist costs, relocation costs, condemnation commissioner costs, and all pertinent acquisition costs necessary for roadway, utility, and drainage construction work

on 30th Street North, Upper 33rd Street North, ~~35th Street North~~, 36th Street North, and Laverne Avenue.

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~~3.~~ The City shall pay to the County 50 percent of the cost of all permanent right-of-way, permanent utility and/or drainage easements, temporary slope easements, title work costs, appraisal costs, relocation specialist costs, relocation costs, condemnation commissioner costs, and all pertinent acquisition costs necessary for construction work on the regional drainage pond.

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~~2.~~
~~4-3.~~ The City shall pay to the County 55 percent of the cost of all permanent right-of-way, permanent utility and/or drainage easements, temporary construction easements, title work costs, appraisal costs, relocation specialist costs, relocation costs, condemnation commissioner costs, and all pertinent acquisition costs necessary for roadway, utility, and drainage construction work along CSAH 17 (Lake Elmo Avenue), from 30th Street North to ~~CSAH 14MN Highway-5~~.

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~~5-4.~~ Actual right of way costs shall be determined at the conclusion of the acquisition process. The City shall be responsible to pay for the actual costs of the aforementioned acquisition costs. ~~The final costs for construction will be based on actual unit prices and quantities used on each phase in accordance with this agreement.~~

DESIGN, CONSTRUCTION INSPECTION/ADMINISTRATION SERVICES, & CONSTRUCTION COSTS

~~6-1.~~ The City shall pay the County 91.2 percent of the cost invoiced to the County from the County's consultant for PRELIMINARY DESIGN of Phase 1 of the project. The City shall pay the County ~~65-656.1~~ percent of the cost invoiced to the County from the County's consultant for PRELIMINARY DESIGN of Phase 2 of the project.

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~~7-2.~~ The City shall pay the County 91.2 percent of the cost invoiced to the County from the County's consultant for FINAL DESIGN of Phase 1 of the project. The City shall pay the County ~~65-656.1~~ percent of the cost invoiced to the County from the County's consultant for FINAL DESIGN of Phase 2 of the project.

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~~8-3.~~ The City shall pay the County 91.2 percent of the cost invoiced to the County from the County's consultant for the CONSTRUCTION INSPECTION/ADMINISTRATION of Phase 1 of the project. The City shall pay the County ~~65-656.1~~ percent of the cost invoiced to the County from the County's consultant for the CONSTRUCTION INSPECTION/ADMINISTRATION of Phase 2 of the project.

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~~4.~~ The City shall pay the County an estimated 91.2 percent of the CONSTRUCTION COSTS for Phase 1 of the project as shown in Exhibit B. The City shall pay the County an estimated ~~65-656.1~~ percent of the CONSTRUCTION COSTS for Phase 2 of the project as shown in Exhibit C. These percentages are subject to change based on actual construction costs. A Total Cost Summary is presented on Table 1.

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~~9-5.~~ The final costs for construction will be based on actual unit prices and quantities used on each phase.

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<u>% Construction Contingency (est. 56.1% City Cost)</u>	<u>\$189,252.00</u>	<u>\$242,091.00</u>	<u>\$431,343.00</u>
Phase 2 Total Costs	\$3,577,530.00 <u>\$1,965,774.00</u>	\$4,758,942.00 <u>\$3,821,360.00</u>	\$8,336,472.00 <u>\$5,787,131.00</u>
Total Project Costs	\$4,628,662.00 <u>\$2,637,207.00</u>	\$10,315,856.00 <u>\$8,774,450.00</u>	\$14,944,518.00 <u>\$11,411,657.00</u>

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G. PAYMENT

~~4. After the County has awarded the construction contract for Phase 2, Exhibit C will be updated to reflect the actual contractor's unit prices and will submit a copy of the revised summary to the City.~~

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1. Right of way, preliminary design, final design, construction inspection/administration and construction costs for the City's cost share of Phase 1 and 2 projects shall be invoiced by the County to the City with no interest. The payment due dates are presented on Table 2.

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~~2.~~

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Date	Percentage	Estimated Payment
January 15 th , 2016 - PAID	10% of Estimated Phase 1 Total City Cost	\$498,866.35 <u>\$495,309.00</u>
June 15 th , 2016	10% of Estimated Phase 1 Total City Cost <u>Remaining Estimated Phase 1 Total City Cost</u>	\$5,058,047.65 <u>\$4,457,781.00</u>
January 15 th , 2017	20% of Estimated Phase 2 Total City Cost	\$951,788.00 <u>\$764,272.00</u>
June 15 th , 2017	80% of Estimated Phase 2 Total City Cost	\$3,807,154.00 <u>\$3,057,088.00</u>

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* A final invoice will be issued to the City for the City's share of any costs incurred related to the project during the warranty period.

~~2. The City and County shall reconcile invoices and supporting documentation prior to the County submitting an invoice to the City. Once the reconciled invoice is submitted, the City shall pay the invoice in full within 30 days. The City shall pay 100 percent of an invoice amount within 30 days of receipt. If the City is 30 days late on any payment, the entire remaining amount due of the City's cost share per phase, will be invoiced to the City with a payment date of September 15th (of the year of the missed payment).~~

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~~3. The costs for Phase 1 reflect to-date construction costs plus an estimated cost to complete.~~

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~~4. The costs for Phase 2 reflect the lowest responsible bid. Upon completion of Phase 2 construction, the County shall prepare a final cost participation summary and submit to the City. The County shall add to the City's final construction costs, construction contract amendments, any necessary adjustments for liquidated damages, and deduct City funds previously advanced for the project by the City.~~

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~~5. If the amount of the total of the payments made by the City pursuant to Section G is less than the actual cost to the City of its portion of the Project, the City agrees to pay the difference between the estimated amount paid by the City and the actual cost of the City's portion of the project.~~

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~~4. Upon completion of Phase 1 and Phase 2 the County shall prepare a final cost participation~~

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~~summary which will be based upon the contract unit prices and the actual units of work performed and shall submit a copy of this summary to the City. The County shall add to the City's final construction costs, construction contract amendments, any necessary adjustments for liquidated damages, and deduct City funds previously advanced for the project by the City. If the amount of the total of the payments made by the City pursuant to Section G is less than the actual cost to the City of its portion of the Project, the City agrees to pay the difference between the estimated amount paid by the City and the actual cost of the City's portion of the project.~~

~~5.6.~~ In the event that the City paid more in advance than the actual cost of the City's portion of the project, the County shall refund without interest the amount to the City.

H. CHANGE ORDERS AND SUPPLEMENTAL AGREEMENTS

- ~~1. Any modifications or additions to the final approved plans and/or specifications of the City's portion of the project shall be made part of the construction contract through a written amendment to the construction contract, but only after concurrence by the City Administrator, and the cost for such changes shall be appropriated as set forth in Section F of this Agreement.~~
- ~~1. Any modifications or additions to the final approved plans and/or specifications shall be made part of the construction contract by change order or by supplemental agreement, and shall be paid for as set forth in Section G of this Agreement.~~
- ~~2. Through written request, the City may request changes to the final approved plans and/or specification. Any City request which is subsequently modified or added to the final approved plans and specifications shall be made by a written amendment to this agreement, shall be made part of the construction contract by change order or supplemental agreement, and shall be paid for wholly by the City.~~

I. LIQUIDATED DAMAGES

Any liquidated damage assessed the contractor in connection with the work performed on the project shall be shared by the City and the County in the following proportion: The respective total share of construction work to the total construction cost without any deduction for liquidated damages.

J. CIVIL RIGHTS AND NON-DISCRIMINATION

The provisions of Minn. Stat. 181.59 and of any applicable ordinance relating to civil rights and discrimination shall be considered part of this Agreement as if fully set further herein, and shall be part of any Agreement entered into by the parties with any contractor subcontractor, or material suppliers.

K. INDEMNIFICATION

1. The City agrees that it will defend, indemnify and hold harmless the County against any and all liability, loss, damages, costs and expenses which the County may hereafter sustain, incur or be required to pay by reason of any negligent act by the City, its agents, officers or employees during the performance of this agreement.
2. The County agrees that it will defend, indemnify and hold harmless the City against any and all liability, loss, damages, costs and expenses which the City may hereafter sustain, incur or be required to pay by reason of any negligent act by the County, its agents, officers or employees during the performance of this agreement.
3. To the fullest extent permitted by law, actions by the parties to this Agreement are intended to be and shall be construed as a "cooperative activity" and it is the intent of the parties that they

shall be deemed a "single governmental unit" for the purposes of liability, as set forth in Minnesota Statutes, Section 471.59, subd. 1a(b). The parties to this Agreement are not liable for the acts or omissions of another party to this Agreement except to the extent they have agreed in writing to be responsible for the acts or omissions of the other parties as provided for in Section 471.59, subd. 1a.

- 4. Each party's liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 and other applicable law. The parties agree that liability under this Agreement is controlled by Minnesota Statute 471.59, subdivision 1a and that the total liability for the parties shall not exceed the limits on governmental liability for a single unit of government as specified in 466.04, subdivision 1(a).

L. DATA PRIVACY

All data collected, created, received, maintained, or disseminated, or used for any purposes in the course of this Agreement is governed by the Minnesota Government Data Practices Act, Minnesota Statutes 1984, Section 13.01, et seq. or any other applicable state statutes and state rules adopted to implement the Act, as well as state statutes and federal regulations on data privacy.

M. CONDITIONS

The City shall not assess or otherwise recover any portion of its cost for this project through levy on County-owned property.

IN TESTIMONY WHEREOF the parties have duly executed this agreement by their duly authorized officers.

WASHINGTON COUNTY

CITY OF LAKE ELMO

Chair Date
Board of Commissioners

Mike Pearson Date
Mayor

Molly O'Rourke Date
County Administrator

~~Dean Zuleger~~ Kristina Handt
City Administrator

Approved as to form:

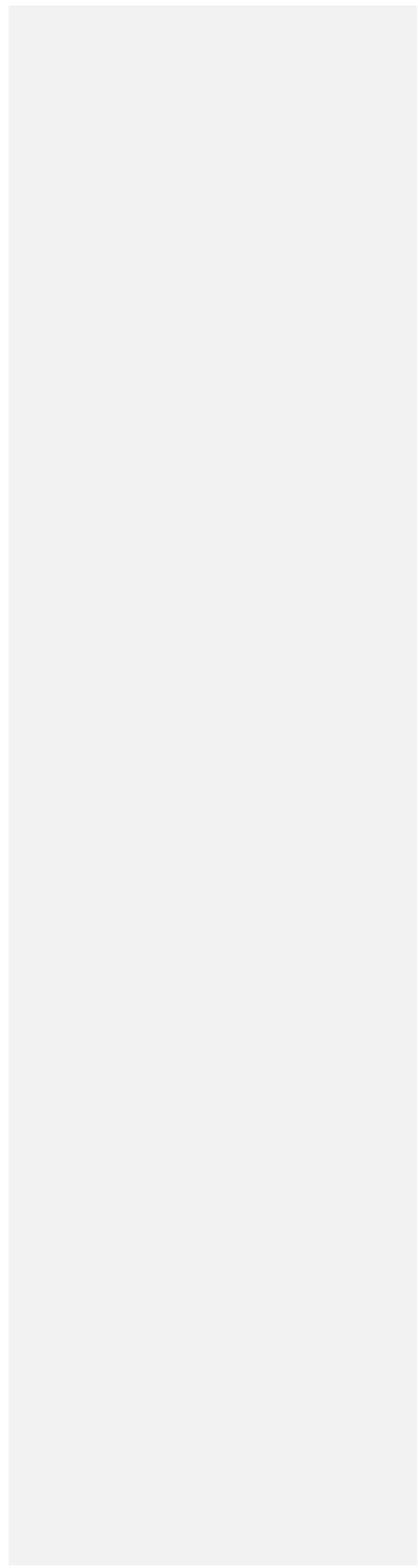
Assistant County Attorney

Date

Approved as to form:

City Attorney

Date



**COOPERATIVE AGREEMENT BETWEEN THE CITY OF
LAKE ELMO AND WASHINGTON COUNTY FOR COUNTY STATE
AID HIGHWAY (CSAH 17) PHASES I & II**

WASHINGTON COUNTY	
CONTRACT NO.	10196
DEPT.	PUBLIC WORKS
DIVISION	TRANSPORTATION
TERM	SIGNATURE - COMPLETION

THIS AGREEMENT, by and between the City of Lake Elmo, a municipal corporation, herein after referred to as the "City", and Washington County, a political subdivision of the State of Minnesota, hereinafter referred to as the "County", shall consist of this agreement, Exhibit A (Project Location Map), Exhibit B (Phase 1 Costs), and Exhibit C (Phase 2 Costs), "Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects" which is incorporated into this agreement by reference.

WITNESSETH:

WHEREAS, the County reconstructed in 2015, as Phase 1 of this project, a portion of the City streets; Upper 33rd Street North, 36th Street North, and Laverne Avenue in downtown Lake Elmo as shown on Exhibit A;

WHEREAS, the County intends to reconstruct in 2016, as Phase 2 of this project, CSAH 17 (Lake Elmo Avenue) from County State Aid Highway 14 (Old Trunk Highway 5) to 30th Street and a portion of 30th Street North, 36th Street west of CSAH 17, 35th Street west of CSAH 17, and 34th Street west of CSAH 17 in the downtown Lake Elmo as shown on Exhibit A; and

WHEREAS, the right of way, preliminary design, final design, construction inspection/administration and construction cost estimates for Phase 1 have been prepared by the County and the City will participate in these costs as summarized in Section F of this cooperative agreement; and

WHEREAS, the right of way, preliminary design, final design, construction inspection/administration and construction cost estimates for Phase 2 has been prepared by the County and the City will participate in these costs as summarized in Section F of this cooperative agreement; and

WHEREAS, the City desires to use local and state aid funds for these improvements, the State Aid Project number for Laverne Ave is SAP 201-106-001, the City Project number is 2014-137, the State Aid Project number for 30th Street is SAP 206-108-002; and

WHEREAS, the County desires to use local and state aid funds for these improvements, the State Aid Project number for CSAH 17 (Lake Elmo Avenue) is SAP 082-617-007, and 082-617-013; and

WHEREAS, a cooperative effort between the City and County is the appropriate method to facilitate the right of way acquisition, preliminary and final design, construction inspection/administration and construction cost; and

WHEREAS, this Agreement is made pursuant to statutory authority contained in Minnesota Statute 162.17 sub.1 and Minnesota Statute 471.59.

NOW THEREFORE, IT IS HEREBY MUTUALLY AGREED AS FOLLOWS:

A. PURPOSE

1. The purpose of this agreement is set forth in the above whereas clauses which are all incorporated by reference as if fully set forth herein.
2. The Parties agree that Agreement No. 10196 terminates and supersedes Cooperative Agreement No. 9660 between the Parties, dated June 23, 2015 which superseded and terminated Cooperative Agreement No. 9155.

B. PLANS AND SPECIFICATION PREPARATION

The County shall be responsible for the preparation of the necessary plans and specifications, including compliance with Minnesota State Aid requirements and all other applicable standards and policies and obtaining all approvals required in arriving at the bid specifications for all components of this project.

C. RIGHT OF WAY AND EASEMENTS

1. The County shall acquire all permanent right-of-way, permanent easements, and temporary construction easements. All permanent rights-of-way, permanent easements, and temporary construction easements will be acquired in the name of the County.
2. Any rights-of-way, permanent easements, and temporary construction easements that cannot be obtained through negotiation will be acquired by the County through eminent domain proceedings.
3. Upon completion of the project, title to permanent right-of-way for and adjacent to City streets and permanent easements for storm water storage and water quality treatment within the City will be conveyed to the City.

D. ADVERTISEMENT AND AWARD OF CONTRACT

1. After plans and specifications for all components of this project have been approved, all permits and approvals have been obtained, and any necessary rights-of-way and easements have been acquired, the County shall advertise for construction bids or quotes.
2. Once bids are received, the City will be given the opportunity to review and evaluate the bid and provide City Council concurrence on the approval of the bids. Once City concurrence is provided, the County shall award the contract to the lowest responsible bidder.

E. CONSTRUCTION ADMINISTRATION, OBSERVATION, AND TESTING

1. Construction administration, inspection, observation, and testing for the project will be performed by the County's contracted consultant.

F. COST PARTICIPATION ITEMS AND ESTIMATED COSTS

The estimated cost participation breakdown is in accordance with "Washington County Cost Participation Policy #8001 for Cooperative Highway Improvement Projects", which is incorporated into this agreement by reference.

RIGHT OF WAY & EASEMENTS

1. The City shall pay to the County 100 percent of the cost of all permanent right-of-way, permanent utility and/or drainage easements, temporary slope easements, title work costs, appraisal costs, relocation specialist costs, relocation costs, condemnation commissioner costs, and all pertinent acquisition costs necessary for roadway, utility, and drainage construction work on 30th Street North, Upper 33rd Street North, 35th Street North, 36th Street North, and Laverne Avenue.
2. The City shall pay to the County 50 percent of the cost of all permanent right-of-way, permanent utility and/or drainage easements, temporary slope easements, title work costs, appraisal costs, relocation specialist costs, relocation costs, condemnation commissioner costs, and all pertinent acquisition costs necessary for construction work on the regional drainage pond.

3. The City shall pay to the County 55 percent of the cost of all permanent right-of-way, permanent utility and/or drainage easements, temporary construction easements, title work costs, appraisal costs, relocation specialist costs, relocation costs, condemnation commissioner costs, and all pertinent acquisition costs necessary for roadway, utility, and drainage construction work along CSAH 17 (Lake Elmo Avenue), from 30th Street North to CSAH 14.
4. Actual right of way costs shall be determined at the conclusion of the acquisition process. The City shall be responsible to pay for the actual costs of the aforementioned acquisition costs in accordance with this agreement.

DESIGN, CONSTRUCTION INSPECTION/ADMINISTRATION SERVICES, & CONSTRUCTION COSTS

1. The City shall pay the County 91.2 percent of the cost invoiced to the County from the County's consultant for PRELIMINARY DESIGN of Phase 1 of the project. The City shall pay the County 56.1 percent of the cost invoiced to the County from the County's consultant for PRELIMINARY DESIGN of Phase 2 of the project.
2. The City shall pay the County 91.2 percent of the cost invoiced to the County from the County's consultant for FINAL DESIGN of Phase 1 of the project. The City shall pay the County 56.1 percent of the cost invoiced to the County from the County's consultant for FINAL DESIGN of Phase 2 of the project.
3. The City shall pay the County 91.2 percent of the cost invoiced to the County from the County's consultant for the CONSTRUCTION INSPECTION/ADMINISTRATION of Phase 1 of the project. The City shall pay the County 56.1 percent of the cost invoiced to the County from the County's consultant for the CONSTRUCTION INSPECTION/ADMINISTRATION of Phase 2 of the project.
4. The City shall pay the County an estimated 91.2 percent of the CONSTRUCTION COSTS for Phase 1 of the project as shown in Exhibit B. The City shall pay the County an estimated 56.1 percent of the CONSTRUCTION COSTS for Phase 2 of the project as shown in Exhibit C. These percentages are subject to change based on actual construction costs. A Total Cost Summary is presented on Table 1.
5. The final costs for construction will be based on actual unit prices and quantities used on each phase.

TABLE 1 – TOTAL COST SUMMARY			
PHASE 1	COUNTY COST ESTIMATE	CITY COST ESTIMATE	TOTAL COST ESTIMATE
Right-of-Way and Easements			
Upper 33 rd St. N, 36 th St. N., and Laverne Ave (100% City Cost)	N/A	\$91,902.00	\$91,902.00
Regional Drainage Pond (50% City Cost)	\$577,095.00	\$577,095.00	\$1,154,190.00
Preliminary Design (91.2% City Cost)	\$11,844.00	\$119,756.00	\$131,600.00
Final Design (91.2% City Cost)	\$21,011.00	\$212,449.00	\$233,460.00
MultiVista Photos	\$5,960.00	N/A	\$5,960.00
Precondition Survey (91.2% City Cost)	\$2,388.00	\$24,745.00	\$27,133.00
Construction Inspection/ Administration (91.2% City Cost)	\$26,568.00	\$268,632.00	\$295,200.00
Construction (est. 91.2% City Cost)	\$406,266.00	\$4,262,335.00	\$4,668,601.00
Phase 1 Total Costs	\$1,051,132.00	\$5,556,914.00	\$6,608,046.00
PHASE 2	COUNTY COST ESTIMATE	CITY COST ESTIMATE	TOTAL COST ESTIMATE
Right-of-Way and Easements			
CSAH 17 (Lake Elmo Ave) (55% City Cost)	\$128,142.00	\$156,618.00	\$284,760.00
30 th St. N. (100% City Cost)	N/A	\$147,550.00	\$147,550.00
35 th St. N. & 36 th St N. (100% City Cost)	N/A	\$55,000.00	\$55,000.00
Preliminary Design (56.1% City Cost)	\$83,147.00	\$106,253.00	\$189,400.00
Final Design (56.1% City Cost)	\$202,379.00	\$258,621.00	\$461,000.00
Precondition Survey Estimated Cost	\$17,173.00	\$10,000.00	\$27,173.00
Construction Inspection/ Administration (56.1% City Cost)	\$253,830.00	\$324,370.00	\$578,200.00
Construction (est. 56.1% City Cost)	\$2,703,607.00	\$3,458,439.00	\$6,162,046.00
% Construction Contingency (est. 56.1% City Cost)	\$189,252.00	\$242,091.00	\$431,343.00
Phase 2 Total Costs	\$3,577,530.00	\$4,758,942.00	\$8,336,472.00
Total Project Costs	\$4,628,662.00	\$10,315,856.00	\$14,944,518.00

G. PAYMENT

1. Right of way, preliminary design, final design, construction inspection/administration and construction costs for the City's cost share of Phase 1 and 2 projects shall be invoiced by the County to the City with no interest. The payment due dates are presented on Table 2.

TABLE 2 – PAYMENT DUE DATES		
Date	Percentage	Estimated Payment
January 15 th , 2016 - PAID	10% of Estimated Phase 1 Total City Cost	\$498,866.35
June 15 th , 2016	Remaining Estimated Phase 1 Total City Cost	\$5,058,047.65*
January 15 th , 2017	20% of Estimated Phase 2 Total City Cost	\$951,788.00
June 15 th , 2017	80% of Estimated Phase 2 Total City Cost	\$3,807,154.00*

* A final invoice will be issued to the City for the City’s share of any costs incurred related to the project during the warranty period.

2. The City and County shall reconcile invoices and supporting documentation prior to the County submitting an invoice to the City. Once the reconciled invoice is submitted, the City shall pay the invoice in full within 30 days. If the City is 30 days late on any payment, the entire remaining amount due of the City’s cost share per phase, will be invoiced to the City with a payment date of September 15th (of the year of the missed payment).
3. The costs for Phase 1 reflect to-date construction costs plus an estimated cost to complete.
4. The costs for Phase 2 reflect the lowest responsible bid. Upon completion of Phase 2 construction, the County shall prepare a final cost participation summary and submit to the City. The County shall add to the City’s final construction costs, construction contract amendments, any necessary adjustments for liquidated damages, and deduct City funds previously advanced for the project by the City.
5. If the amount of the total of the payments made by the City pursuant to Section G is less than the actual cost to the City of its portion of the Project, the City agrees to pay the difference between the estimated amount paid by the City and the actual cost of the City’s portion of the project.
6. In the event that the City paid more in advance than the actual cost of the City’s portion of the project, the County shall refund without interest the amount to the City.

H. CHANGE ORDERS AND SUPPLEMENTAL AGREEMENTS

1. Any modifications or additions to the final approved plans and/or specifications of the City’s portion of the project shall be made part of the construction contract through a written amendment to the construction contract, but only after concurrence by the City Administrator, and the cost for such changes shall be appropriated as set forth in Section F of this Agreement.

I. LIQUIDATED DAMAGES

Any liquidated damage assessed the contractor in connection with the work performed on the project shall be shared by the City and the County in the following proportion: The respective total share of construction work to the total construction cost without any deduction for liquidated damages.

J. CIVIL RIGHTS AND NON-DISCRIMINATION

The provisions of Minn. Stat. 181.59 and of any applicable ordinance relating to civil rights and discrimination shall be considered part of this Agreement as if fully set further herein, and shall be part of any Agreement entered into by the parties with any contractor subcontractor, or material suppliers.

K. INDEMNIFICATION

1. The City agrees that it will defend, indemnify and hold harmless the County against any and all liability, loss, damages, costs and expenses which the County may hereafter sustain, incur or be required to pay by reason of any negligent act by the City, its agents, officers or employees during the performance of this agreement.
2. The County agrees that it will defend, indemnify and hold harmless the City against any and all liability, loss, damages, costs and expenses which the City may hereafter sustain, incur or be required to pay by reason of any negligent act by the County, its agents, officers or employees during the performance of this agreement.
3. To the fullest extent permitted by law, actions by the parties to this Agreement are intended to be and shall be construed as a “cooperative activity” and it is the intent of the parties that they shall be deemed a “single governmental unit” for the purposes of liability, as set forth in Minnesota Statutes, Section 471.59, subd. 1a(b). The parties to this Agreement are not liable for the acts or omissions of another party to this Agreement except to the extent they have agreed in writing to be responsible for the acts or omissions of the other parties as provided for in Section 471.59, subd. 1a.
4. Each party’s liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 and other applicable law. The parties agree that liability under this Agreement is controlled by Minnesota Statute 471.59, subdivision 1a and that the total liability for the parties shall not exceed the limits on governmental liability for a single unit of government as specified in 466.04, subdivision 1(a).

L. DATA PRIVACY

All data collected, created, received, maintained, or disseminated, or used for any purposes in the course of this Agreement is governed by the Minnesota Government Data Practices Act, Minnesota Statutes 1984, Section 13.01, et seq. or any other applicable state statutes and state rules adopted to implement the Act, as well as state statutes and federal regulations on data privacy.

M. CONDITIONS

The City shall not assess or otherwise recover any portion of its cost for this project through levy on County-owned property.

IN TESTIMONY WHEREOF the parties have duly executed this agreement by their duly authorized

officers.

WASHINGTON COUNTY

Chair Date
Board of Commissioners

Molly O'Rourke Date
County Administrator

Approved as to form:

Assistant County Attorney Date

CITY OF LAKE ELMO

Mike Pearson Date
Mayor

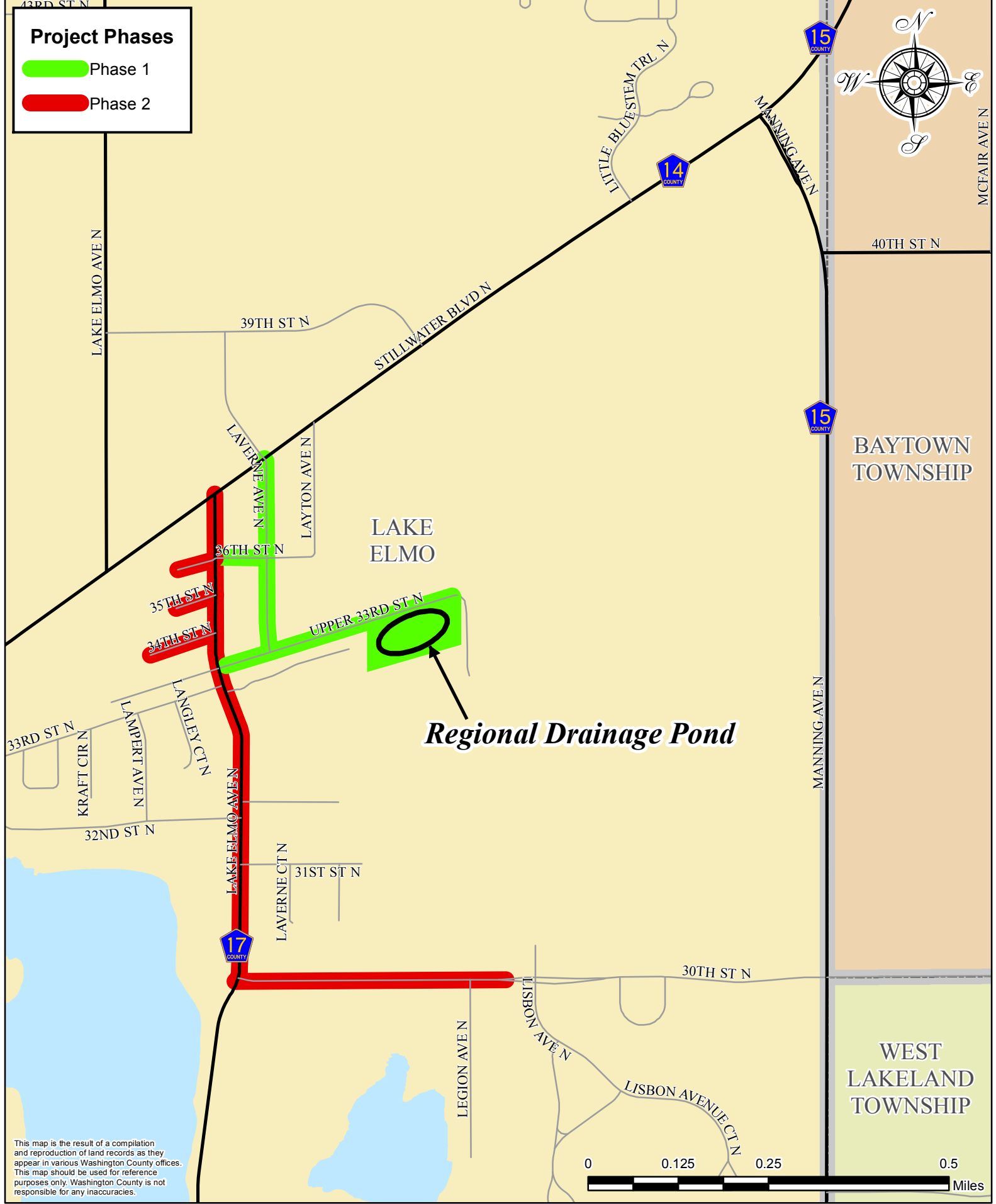
Kristina Handt Date
City Administrator

Approved as to form:

City Attorney Date

Project Phases

- Phase 1
- Phase 2



This map is the result of a compilation and reproduction of land records as they appear in various Washington County offices. This map should be used for reference purposes only. Washington County is not responsible for any inaccuracies.

TAB	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	SAP 082-617-007 (REGIONAL DRAINAGE)		SAP 206-106-001 (CITY'S STATE AID NUMBER)				CP 2014-137 (NON-PARTICIPATING CITY ITEMS)			
							TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	ROADWAY		DRAINAGE		LANDSCAPING/LIGHTING		ROADWAY/UTILITY	
									TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST
	2021.501	MOBILIZATION	LUMP SUM	\$205,000.00	1.0000	\$205,000.00	0.09	\$19,096.48	0.15	\$31,293.85			0.00	\$894.00	0.75	\$153,715.67
	2101.501	CLEARING	ACRE	\$2,400.00	1.90	\$4,560.00									1.90	\$4,560.00
	2101.502	CLEARING	TREE	\$265.00	43	\$11,395.00			24	\$6,360.00					19	\$5,035.00
	2101.506	GRUBBING	ACRE	\$2,400.00	1.90	\$4,560.00									1.90	\$4,560.00
	2101.507	GRUBBING	TREE	\$265.00	43	\$11,395.00			24	\$6,360.00					19	\$5,035.00
	2104.501	REMOVE WATER MAIN	LIN FT	\$9.90	1982	\$19,621.80									1982	\$19,621.80
	2104.501	REMOVE WATER SERVICE PIPE	LIN FT	\$12.00	606	\$7,272.00									606	\$7,272.00
	2104.501	REMOVE PIPE CULVERTS	LIN FT	\$12.90	256	\$3,302.40									113	\$1,457.70
	2104.501	REMOVE CURB & GUTTER	LIN FT	\$3.00	361	\$1,083.00			249	\$747.00		143	\$1,844.70		112	\$336.00
	2104.501	REMOVE RAILROAD TRACK	LIN FT	\$11.85	220	\$2,607.00									220	\$2,607.00
	2104.503	REMOVE SIDEWALK	SQ FT	\$1.05	917	\$962.85			414	\$434.70					503	\$528.15
	2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$5.65	395	\$2,231.75			197	\$1,113.05					198	\$1,118.70
	2104.505	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$2.95	870	\$2,566.50			400	\$1,180.00					470	\$1,386.50
	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$1.75	10292	\$18,011.00			4200	\$7,350.00					6092	\$10,661.00
	2104.509	REMOVE CONCRETE HEADWALL	EACH	\$485.00	1	\$485.00									1	\$485.00
	2104.509	REMOVE GATE VALVE & BOX	EACH	\$520.00	9	\$4,680.00									9	\$4,680.00
	2104.509	REMOVE CURB STOP & BOX	EACH	\$208.50	15	\$3,127.50									15	\$3,127.50
	2104.509	REMOVE HYDRANT & VALVE ASSEMBLY	EACH	\$1,300.00	3	\$3,900.00									3	\$3,900.00
	2104.509	REMOVE SIGN TYPE C	EACH	\$48.00	26	\$1,248.00			20	\$960.00					6	\$288.00
	2104.509	REMOVE SIGN TYPE SPECIAL	EACH	\$106.65	3	\$319.95									3	\$319.95
	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$4.50	174	\$783.00			38	\$171.00					136	\$612.00
	2104.513	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	\$2.80	1102	\$3,085.60			442	\$1,237.60					660	\$1,848.00
	2104.521	SALVAGE CHAIN LINK FENCE	LIN FT	\$13.50	148	\$1,998.00			88	\$1,188.00					60	\$810.00
	2104.603	ABANDON WATER MAIN	LIN FT	\$28.00	127	\$3,556.00									127	\$3,556.00
	2106.607	EXCAVATION - COMMON	CU YD	\$8.65	13211	\$114,275.15			2731	\$23,623.15					10480	\$90,652.00
	2106.607	EXCAVATION - SUBGRADE	CU YD	\$10.50	6263	\$66,761.50			3611	\$37,915.50					2652	\$27,846.00
	2106.607	EXCAVATION - CHANNEL AND POND	CU YD	\$10.70	114733	\$1,227,643.10	35024.46	\$374,761.68							79709	\$852,881.42
	2106.607	EXCAVATION - SPECIAL (EV)	CU YD	\$10.30	10000	\$103,000.00									10000	\$103,000.00
	2106.607	COMMON EMBANKMENT (CV)	CU YD	\$4.10	8369	\$34,312.90			666	\$2,730.60					7703	\$31,582.30
	2106.607	SELECT GRANULAR EMBANKMENT (CV)	CU YD	\$18.25	5808	\$105,996.00			3924	\$71,613.00					1884	\$34,383.00
	2118.607	AGGREGATE SURFACING (CV) CLASS 6	CU YD	\$27.50	1600	\$44,000.00			15	\$412.50					1585	\$43,587.50
	2123.501	COMMON LABORER	HOUR	\$85.00	70	\$5,950.00			20	\$1,700.00					50	\$4,250.00
	2123.514	3 CY FRONT END LOADER	HOUR	\$155.00	10	\$1,550.00			3	\$465.00					7	\$1,085.00
	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$145.00	200	\$29,000.00			50	\$7,250.00					150	\$21,750.00
	2123.610	3 CY BACKHOE	HOUR	\$180.00	15	\$2,700.00			5	\$900.00					10	\$1,800.00
	2123.610	SKID STEER	HOUR	\$120.00	40	\$4,800.00			10	\$1,200.00					30	\$3,600.00
	2123.610	TRACTOR MOUNTED BACKHOE	HOUR	\$140.00	10	\$1,400.00			4	\$560.00					6	\$840.00
	2211.503	AGGREGATE BASE (CV) CLASS 6	CY YD	\$23.00	3461	\$79,603.00			1137	\$26,151.00					2324	\$53,452.00
	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (2.B)	TON	\$80.00	87.16	\$6,972.80			87	\$6,972.80						
	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3.C)	TON	\$64.00	1448	\$92,672.00			802	\$51,328.00					646	\$41,344.00
	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (3.C)	TON	\$64.00	1071.44	\$68,572.16			802	\$51,328.00					269	\$17,244.16
	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3.C) (WEDGE)	TON	\$118.40	141.64	\$16,770.18			74	\$8,718.98					68	\$8,051.20
	2360.503	TYPE SP 9.5 WEARING COURSE MIXTURE (3.C) 3.0" THICK	SQ YD	\$21.35	870	\$18,574.50			259	\$5,529.65					611	\$13,044.85
	2411.603	CONCRETE STEPS	LIN FT	\$120.00	74.50	\$8,940.00			38	\$4,500.00					37	\$4,440.00
	2451.603	CRUSHED ROCK PIPE FOUNDATION (CV)	LIN FT	\$15.45	2403.00	\$37,126.35									2403	\$37,126.35
	2501.515	60" RC PIPE APRON	EACH	\$1,575.00	1	\$1,575.00									1.00	\$1,575.00
	2501.515	24" RC PIPE APRON	EACH	\$605.00	1	\$605.00									1	\$605.00
	2501.515	36" RC PIPE APRON	EACH	\$890.00	1	\$890.00									1	\$890.00
	2501.602	BULKHEAD CULVERT	EACH	\$535.00	4	\$2,140.00									4	\$2,140.00
	2501.602	TRASH GUARD FOR 24" PIPE APRON	EACH	\$310.00	1	\$310.00									1	\$310.00
	2502.541	4" PERF PE PIPE DRAIN	LIN FT	\$8.55	1120	\$9,576.00					800	\$6,840.00			320	\$2,736.00
	2503.511	8" PVC PIPE SEWER (SDR 26)	LIN FT	\$64.15	4012	\$257,369.80									4012	\$257,369.80
	2503.541	12" RC PIPE SEWER DES 3006 CL V	LIN FT	\$34.00	291	\$9,894.00					253	\$8,602.00			38	\$1,292.00
	2503.541	15" RC PIPE SEWER DES 3006 CL V	LIN FT	\$31.75	457	\$14,509.75					157	\$4,984.75			300	\$9,525.00
	2503.541	18" RC PIPE SEWER DES 3006 CL V	LIN FT	\$34.00	341	\$11,594.00					294	\$9,996.00			47	\$1,598.00
	2503.541	21" RC PIPE SEWER DES 3006 CL II	LIN FT	\$35.00	181	\$6,335.00									181	\$6,335.00
	2503.541	24" RC PIPE SEWER DES 3006 CL II	LIN FT	\$36.00	229	\$8,244.00					118	\$4,248.00			111	\$3,996.00
	2503.541	27" RC PIPE SEWER DES 3006 CL II	LIN FT	\$38.20	271	\$10,352.20					271	\$10,352.20				
	2503.541	27" RC PIPE SEWER DES 3006 CL III	LIN FT	\$42.00	118	\$4,956.00									118	\$4,956.00
	2503.541	30" RC PIPE SEWER DES 3006 CL II	LIN FT	\$46.75	350	\$16,362.50					179	\$8,368.25			171	\$7,994.25
	2503.541	36" RC PIPE SEWER DES 3006 CL II	LIN FT	\$52.95	475	\$25,151.25									475	\$25,151.25
	2503.541	42" RC PIPE SEWER DES 3006 CL II	LIN FT	\$75.50	348	\$26,274.00									348	\$26,274.00
	2503.541	42" RC PIPE SEWER DES 3006 CL III	LIN FT	\$84.25	98	\$8,256.50									98	\$8,256.50
	2503.541	54" RC PIPE SEWER DES 3006 CL II	LIN FT	\$115.00	396	\$45,540.00									396	\$45,540.00
	2503.541	60" RC PIPE SEWER DES 3006 CL II	LIN FT	\$132.50	795	\$105,470.00									796	\$105,470.00
	2503.541	60" RC PIPE SEWER DES 3006 CL II - IN CASING	LIN FT	\$160.00	100	\$16,000.00									100	\$16,000.00
	2503.602	CONNECT TO EXISTING SANITARY SEWER MANHOLE	EACH	\$6,950.00	1	\$6,950.00									1	\$6,950.00
	2503.602	CONSTRUCT 8" OUTSIDE DROP	EACH	\$2,000.00	1	\$2,000.00									1	\$2,000.00

TAB	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	SAP 082-617-007 (REGIONAL DRAINAGE)		SAP 206-106-001 (CITY'S STATE AID NUMBER)				CP 2014-137 (NON-PARTICIPATING CITY ITEMS)			
									ROADWAY		DRAINAGE		LANDSCAPING/LIGHTING		ROADWAY/UTILITY	
							TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST
		WORK ORDER #3 - LAVERNE AVE SOIL CORRECTIONS (7)		\$57,165.00	1.00	\$57,165.00			1.00	\$57,165.00						
		WORK ORDER #4 - POND BUILDING REMOVAL (3)		\$19,112.90	1.00	\$19,112.90	0.09	\$1,681.94							0.91	\$17,430.96
		WORK ORDER #5 - ALLEY SOIL CORRECTIONS (7)		\$41,578.65	1.00	\$41,578.65									1.00	\$41,578.65
		WORK ORDER #6 - REGIONAL BASIN FENCE (3)		\$12,800.00	1.00	\$12,800.00	0.09	\$1,126.40							0.91	\$11,673.60
		WORK ORDER #7 - BYPASS PUMPING (3)			1.00		0.50								0.50	
		WORK ORDER #8 - FIRE STATION PARKING LOT (7)		\$10,000.00	1.00	\$10,000.00			1.00	\$10,000.00						
		WORK ORDER #9 - BASIN EXCAVATION (3)		\$36,256.00	1.00	\$36,256.00	0.09	\$3,190.53							0.91	\$33,065.47
		WORK ORDER #10 - ALLEY REVISIONS (7)		\$10,007.10	1.00	\$10,007.10									1.00	\$10,007.10
		WORK ORDER #11 - UPPER 33RD STABILIZING AGG (3)		\$3,281.85	1.00	\$3,281.85	0.09	\$288.80							0.91	\$2,993.05
		STEVE JOHNSON BUILDING CORRECTIONS		\$10,000.00	1.00	\$10,000.00									1.00	\$10,000.00
TOTAL ESTIMATED PROJECT COST						\$6,638,860.24		\$1,051,131.88		\$759,354.33		\$119,982.04		\$47,434.79		\$4,660,957.20

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST	SAP 082-617-013 QUANTITY	SAP 206-108-002 QUANTITY	CP 2014-37 QUANTITY	SAP 082-617-013 COST	SAP 206-108-002 COST	CP 2014-37 COST
2021.501	MOBILIZATION	LUMP SUM	1	\$232,500.00	\$232,500.00	0.4285	0.1267	0.4448	\$99,626.25	\$29,457.75	\$103,416.00
2031.501	FIELD OFFICE TYPE D	LUMP SUM	1	\$20,000.00	\$20,000.00	0.4285	0.1267	0.4448	\$8,570.00	\$2,534.00	\$8,896.00
2101.501	CLEARING	ACRE	2	\$3,500.00	\$6,825.00	0.6	0.9	0.45	\$2,100.00	\$3,150.00	\$1,575.00
2101.502	CLEARING	TREE	85	\$300.00	\$25,500.00	48	8	29	\$14,400.00	\$2,400.00	\$8,700.00
2101.506	GRUBBING	ACRE	2	\$2,500.00	\$4,875.00	0.6	0.9	0.45	\$1,500.00	\$2,250.00	\$1,125.00
2101.507	GRUBBING	TREE	85	\$250.00	\$21,250.00	48	8	29	\$12,000.00	\$2,000.00	\$7,250.00
2103.501	BUILDING REMOVAL	LUMP SUM	1	\$5,000.00	\$5,000.00			1			\$5,000.00
2104.501	REMOVE WATER MAIN	LIN FT	6401	\$2.00	\$12,802.00			6401			\$12,802.00
2104.501	REMOVE PIPE CULVERTS	LIN FT	207	\$11.00	\$2,277.00	207			\$2,277.00		
2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	2260	\$20.00	\$45,200.00	993	1267		\$19,860.00	\$25,340.00	
2104.501	REMOVE CURB & GUTTER	LIN FT	4257	\$3.00	\$12,771.00	218	4039		\$654.00	\$12,117.00	
2104.501	REMOVE BITUMINOUS CURB	LIN FT	5993	\$1.00	\$5,993.00	5993			\$5,993.00		
2104.501	REMOVE WATER SERVICE PIPE	LIN FT	2722	\$2.00	\$5,444.00			2722			\$5,444.00
2104.501	REMOVE TRAFFIC BARRIER	LIN FT	53	\$30.00	\$1,590.00	53			\$1,590.00		
2104.503	REMOVE SIDEWALK	SQ FT	10709	\$0.60	\$6,425.40	10709			\$6,425.40		
2104.503	REMOVE RETAINING WALL	SQ FT	100	\$6.00	\$600.00	100			\$600.00		
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	228	\$6.75	\$1,539.00	152	76		\$1,026.00	\$513.00	
2104.505	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	1618	\$5.00	\$8,090.00	651	821	146	\$3,255.00	\$4,105.00	\$730.00
2104.505	REMOVE BITUMINOUS PAVEMENT (REMOVE BIT WEDGE)	SQ YD	8515	\$0.01	\$85.15	5496	2603	416	\$54.96	\$26.03	\$4.16
2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	29666	\$2.00	\$59,332.00	22482	6360	824	\$44,964.00	\$12,720.00	\$1,648.00
2104.509	REMOVE CONCRETE STEPS	EACH	6	\$350.00	\$2,100.00	6			\$2,100.00		
2104.509	REMOVE MANHOLE OR CATCH BASIN	EACH	28	\$450.00	\$12,600.00	13	15		\$5,850.00	\$6,750.00	
2104.509	REMOVE GATE VALVE & BOX	EACH	30	\$100.00	\$3,000.00			30			\$3,000.00
2104.509	REMOVE CURB STOP & BOX	EACH	76	\$50.00	\$3,800.00			76			\$3,800.00
2104.509	REMOVE HYDRANT & VALVE ASSEMBLY	EACH	14	\$250.00	\$3,500.00			14			\$3,500.00
2104.509	REMOVE SIGN TYPE C	EACH	61	\$30.00	\$1,830.00	46	14	1	\$1,380.00	\$420.00	\$30.00
2104.509	REMOVE SIGN TYPE SPECIAL	EACH	10	\$30.00	\$300.00	8	2		\$240.00	\$60.00	
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	895	\$5.00	\$4,475.00	865	30		\$4,325.00	\$150.00	
2104.513	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	1568	\$3.00	\$4,704.00	1019	379	170	\$3,057.00	\$1,137.00	\$510.00
2104.521	SALVAGE WOODEN FENCE	LIN FT	150	\$15.00	\$2,250.00	150			\$2,250.00		
2104.523	SALVAGE SIGN PANELS TYPE C	EACH	4	\$30.00	\$120.00	4			\$120.00		
2104.603	ABANDON WATER MAIN	LIN FT	35	\$110.00	\$3,850.00	35			\$3,850.00		
2104.603	REMOVE SEWER PIPE (STORM) SPECIAL	LIN FT	50	\$50.00	\$2,500.00	50			\$2,500.00		
2105.604	GEOTEXTILE FABRIC TYPE V	SQ YD	2490	\$3.00	\$7,470.00			2490			\$7,470.00
2106.607	EXCAVATION - COMMON	CU YD	15782	\$10.00	\$157,820.00	12448	2685	649	\$124,480.00	\$26,850.00	\$6,490.00
2106.607	EXCAVATION - SUBGRADE	CU YD	18855	\$10.00	\$188,550.00	13182	4641	1032	\$131,820.00	\$46,410.00	\$10,320.00
2106.607	EXCAVATION - CHANNEL AND POND	CU YD	921	\$10.00	\$9,210.00		819.69	101.31		\$8,196.90	\$1,013.10
2106.607	COMMON EMBANKMENT (CV)	CU YD	3480	\$7.00	\$24,360.00	1748	1545.33	186.67	\$12,236.00	\$10,817.31	\$1,306.69
2106.607	SELECT GRANULAR EMBANKMENT MOD 5% (CV)	CU YD	19929	\$23.00	\$458,367.00	14136	4754	1039	\$325,128.00	\$109,342.00	\$23,897.00
2112.607	SUBGRADE CORRECTION	CU YD	2926	\$35.00	\$102,410.00	2121	713	92	\$74,235.00	\$24,955.00	\$3,220.00
2118.607	AGGREGATE SURFACING (CV) CLASS 6	CU YD	654	\$27.00	\$17,658.00	108		546	\$2,916.00		\$14,742.00
2123.501	COMMON LABORER	HOUR	130	\$72.00	\$9,360.00	80	20	30	\$5,760.00	\$1,440.00	\$2,160.00
2123.514	3 CY FRONT END LOADER	HOUR	130	\$165.00	\$21,450.00	80	20	30	\$13,200.00	\$3,300.00	\$4,950.00
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	250	\$140.00	\$35,000.00	180	40	30	\$25,200.00	\$5,600.00	\$4,200.00
2123.610	3 CY BACKHOE	HOUR	130	\$202.00	\$26,260.00	80	20	30	\$16,160.00	\$4,040.00	\$6,060.00

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST	SAP 082-617-013 QUANTITY	SAP 206-108-002 QUANTITY	CP 2014-37 QUANTITY	SAP 082-617-013 COST	SAP 206-108-002 COST	CP 2014-37 COST
2123.610	SKID STEER	HOUR	130	\$140.00	\$18,200.00	80	20	30	\$11,200.00	\$2,800.00	\$4,200.00
2123.610	TRACTOR MOUNTED BACKHOE	HOUR	130	\$170.00	\$22,100.00	80	20	30	\$13,600.00	\$3,400.00	\$5,100.00
2211.503	AGGREGATE BASE (CV) CLASS 6	CU YD	8925	\$24.00	\$214,200.00	5470	1684	1771	\$131,280.00	\$40,416.00	\$42,504.00
2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	TON	249	\$0.01	\$2.49	249			\$2.49		
2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	3661	\$63.50	\$232,473.50	2888	635	138	\$183,388.00	\$40,322.50	\$8,763.00
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)	TON	2700	\$63.50	\$171,450.00	1927	635	138	\$122,364.50	\$40,322.50	\$8,763.00
2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) (WEDGE)	TON	674	\$0.01	\$6.74	398.895	220.011	54.8615	\$3.99	\$2.20	\$0.55
2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) (TPAR)	TON	45	\$63.50	\$2,857.50	45			\$2,857.50		
2360.503	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) 3.0" THICK (DRIVEWAYS)	SQ YD	1642	\$20.50	\$33,661.00	751	483	408	\$15,395.50	\$9,901.50	\$8,364.00
2401.501	STRUCTURAL CONCRETE (1G32)	CU YD	16	\$260.00	\$4,160.00			16			\$4,160.00
2402.585	PIPE RAILING	LIN FT	95	\$140.00	\$13,300.00	79		16	\$11,060.00		\$2,240.00
2411.602	PRECAST CONCRETE CAP	EACH	1	\$5,750.00	\$5,750.00			1			\$5,750.00
2411.603	CONCRETE STEPS	LIN FT	250	\$67.00	\$16,750.00	250			\$16,750.00		
2411.603	CONCRETE STEPS DESIGN SPECIAL	LIN FT	57	\$159.00	\$9,063.00			57			\$9,063.00
2411.618	PREFABRICATED MODULAR BLOCK WALL	SQ FT	1920	\$60.50	\$116,160.00	960		960	\$58,080.00		\$58,080.00
2411.618	ANTI-GRAFFITI COATING	SQ FT	1920	\$3.50	\$6,720.00	960		960	\$3,360.00		\$3,360.00
2451.603	CRUSHED ROCK PIPE FOUNDATION	LIN FT	6501	\$4.00	\$26,004.00			6501			\$26,004.00
2501.515	12" RC PIPE APRON	EACH	2	\$550.00	\$1,100.00		1.78	0.22		\$979.00	\$121.00
2501.515	18" RC PIPE APRON	EACH	1	\$670.00	\$670.00		0.89	0.11		\$596.30	\$73.70
2501.515	21" RC PIPE APRON	EACH	1	\$750.00	\$750.00		0.89	0.11		\$667.50	\$82.50
2501.515	30" GS PIPE APRON	EACH	1	\$1,550.00	\$1,550.00	1			\$1,550.00		
2501.521	57" SPAN CS-PIPE ARCH SEWER	LIN FT	235	\$100.00	\$23,500.00	129.25		105.75	\$12,925.00		\$10,575.00
2501.567	57" SPAN CS SAFETY APRON AND GRATE DESIGN 3128	EACH	1	\$4,800.00	\$4,800.00	0.55		0.45	\$2,640.00		\$2,160.00
2502.541	6" PERF PVC PIPE DRAIN	LIN FT	330	\$13.00	\$4,290.00	165		165	\$2,145.00		\$2,145.00
2502.541	4" PERF PE PIPE DRAIN	LIN FT	1600	\$7.00	\$11,200.00	1600			\$11,200.00		
2502.602	CONNECT TO EXISTING PIPE DRAIN	EACH	1	\$510.00	\$510.00	1			\$510.00		
2502.603	DRAINTILE TYPE SPECIAL	LIN FT	1257	\$11.00	\$13,827.00		800	457		\$8,800.00	\$5,027.00
2503.511	6" PVC PIPE SEWER	LIN FT	25	\$52.00	\$1,300.00			25			\$1,300.00
2503.511	8" PVC PIPE SEWER (SDR 26)	LIN FT	3584	\$50.00	\$179,200.00			3584			\$179,200.00
2503.511	15" PVC PIPE SEWER (SDR 26)	LIN FT	1760	\$62.00	\$109,120.00			1760			\$109,120.00
2503.511	15" PVC PIPE SEWER (C-900) (DR-54)	LIN FT	1379	\$77.00	\$106,183.00			1379			\$106,183.00
2503.521	65" SPAN RC PIPE-ARCH SEWER CL IIA	LIN FT	389	\$158.00	\$61,462.00	213.95		175.05	\$33,804.10		\$27,657.90
2503.521	73" SPAN RC PIPE-ARCH SEWER CL IIA	LIN FT	255	\$174.00	\$44,370.00	140.25		114.75	\$24,403.50		\$19,966.50
2503.541	12" RC PIPE SEWER DES 3006 CL IV	LIN FT	1548	\$40.00	\$61,920.00	545.95	658.6	343.45	\$21,838.00	\$26,344.00	\$13,738.00
2503.541	15" RC PIPE SEWER DES 3006 CL IV	LIN FT	883	\$41.00	\$36,203.00	99.9	390.71	392.39	\$4,095.90	\$16,019.11	\$16,087.99
2503.541	18" RC PIPE SEWER DES 3006 CL IV	LIN FT	688	\$39.00	\$26,832.00	155.1	307.94	224.96	\$6,048.90	\$12,009.66	\$8,773.44
2503.541	21" RC PIPE SEWER DES 3006 CL IV	LIN FT	305	\$42.00	\$12,810.00		32.93	272.07		\$1,383.06	\$11,426.94
2503.541	24" RC PIPE SEWER DES 3006 CL IV	LIN FT	78	\$49.00	\$3,822.00	42.9		35.1	\$2,102.10		\$1,719.90
2503.541	27" RC PIPE SEWER DES 3006 CL IV	LIN FT	150	\$58.00	\$8,700.00	150			\$8,700.00		
2503.541	54" RC PIPE SEWER DES 3006 CL IV	LIN FT	209	\$151.00	\$31,559.00	114.95		94.05	\$17,357.45		\$14,201.55
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1	\$1,800.00	\$1,800.00	0.55		0.45	\$990.00		\$810.00
2503.602	8"X4" PVC WYE	EACH	38	\$150.00	\$5,700.00			38			\$5,700.00
2503.602	8"X6" PVC WYE	EACH	8	\$200.00	\$1,600.00			8			\$1,600.00
2503.602	15"X4" PVC WYE	EACH	37	\$750.00	\$27,750.00			37			\$27,750.00

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2503.603	12" PP PIPE SEWER	LIN FT	580	\$32.00	\$18,560.00	580			\$18,560.00		
2503.603	15" PP PIPE SEWER	LIN FT	233	\$35.00	\$8,155.00	233			\$8,155.00		
2503.603	18" PP PIPE SEWER	LIN FT	375	\$38.00	\$14,250.00	375			\$14,250.00		
2503.603	30" PP PIPE SEWER	LIN FT	1163	\$62.00	\$72,106.00	1163			\$72,106.00		
2503.603	4" PVC SANITARY SERVICE PIPE (SCH 40)	LIN FT	3010	\$32.00	\$96,320.00			3010			\$96,320.00
2503.603	6" PVC SANITARY SERVICE PIPE (SCH 40)	LIN FT	335	\$37.00	\$12,395.00			335			\$12,395.00
2503.603	TELEVISION (INSPECT SANITARY SEWER)	LIN FT	6723	\$1.50	\$10,084.50			6723			\$10,084.50
2503.611	PUMPING	DAY	120	\$60.00	\$7,200.00	66		54	\$3,960.00		\$3,240.00
2504.601	16" PRESSURE REDUCING VALVE	LUMP SUM	1	\$109,000.00	\$109,000.00			1			\$109,000.00
2504.601	TEMPORARY WATER SERVICE	LUMP SUM	1	\$21,500.00	\$21,500.00			1			\$21,500.00
2504.602	CONNECT TO EXISTING WATER MAIN	EACH	14	\$2,500.00	\$35,000.00			14			\$35,000.00
2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	86	\$280.00	\$24,080.00			86			\$24,080.00
2504.602	HYDRANT	EACH	17	\$4,100.00	\$69,700.00			17			\$69,700.00
2504.602	1" CORPORATION STOP	EACH	64	\$170.00	\$10,880.00			64			\$10,880.00
2504.602	2" CORPORATION STOP	EACH	22	\$520.00	\$11,440.00			22			\$11,440.00
2504.602	1" CURB STOP & BOX	EACH	64	\$300.00	\$19,200.00			64			\$19,200.00
2504.602	2" CURB STOP & BOX	EACH	22	\$600.00	\$13,200.00			22			\$13,200.00
2504.602	6" GATE VALVE & BOX	EACH	21	\$1,400.00	\$29,400.00			21			\$29,400.00
2504.602	8" GATE VALVE & BOX	EACH	11	\$1,900.00	\$20,900.00			11			\$20,900.00
2504.602	12" GATE VALVE & BOX	EACH	4	\$3,300.00	\$13,200.00			4			\$13,200.00
2504.602	16" BUTTERFLY VALVE & BOX	EACH	5	\$2,900.00	\$14,500.00			5			\$14,500.00
2504.603	1" TYPE K COPPER PIPE	LIN FT	2353	\$36.00	\$84,708.00			2353			\$84,708.00
2504.603	2" TYPE K COPPER PIPE	LIN FT	818	\$48.00	\$39,264.00			818			\$39,264.00
2504.603	6" WATERMAIN DUCTILE IRON CL 52	LIN FT	649	\$45.00	\$29,205.00			649			\$29,205.00
2504.603	8" WATERMAIN DUCTILE IRON CL 52	LIN FT	1694	\$50.00	\$84,700.00			1694			\$84,700.00
2504.603	12" WATERMAIN DUCTILE IRON CL 52	LIN FT	1974	\$65.00	\$128,310.00			1974			\$128,310.00
2504.603	16" WATERMAIN DUCTILE IRON CL 52	LIN FT	2330	\$82.00	\$191,060.00			2330			\$191,060.00
2504.603	16" WATERMAIN DUCTILE IRON CL 52 (IN CASING)	LIN FT	70	\$113.00	\$7,910.00			70			\$7,910.00
2504.603	36" STEEL CASING PIPE (JACKED)	LIN FT	70	\$740.00	\$51,800.00			70			\$51,800.00
2504.61	WATERMAIN FITTINGS	POUND	8695	\$7.00	\$60,865.00			8695			\$60,865.00
2506.5	CONST DRAINAGE STRUCTURE DESIGN H	LIN FT	39	\$230.00	\$8,970.00	30.45		8.55	\$7,003.50		\$1,966.50
2506.5	CONST DRAINAGE STRUCTURE DESIGN G	LIN FT	8	\$320.00	\$2,560.00	4.4		3.6	\$1,408.00		\$1,152.00
2506.5	CONST DRAINAGE STRUCTURE DESIGN F	LIN FT	29	\$215.00	\$6,235.00	25.85		3.15	\$5,557.75		\$677.25
2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	43	\$300.00	\$12,900.00	3	26.7	13.3	\$900.00	\$8,010.00	\$3,990.00
2506.5	CONST DRAINAGE STRUCTURE DESIGN SD-96	LIN FT	12	\$890.00	\$10,680.00	6.6		5.4	\$5,874.00		\$4,806.00
2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-108	LIN FT	5	\$1,520.00	\$7,600.00	2.75		2.25	\$4,180.00		\$3,420.00
2506.5	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	124	\$320.00	\$39,680.00	71.65		52.35	\$22,928.00		\$16,752.00
2506.5	CONST DRAINAGE STRUCTURE DES 54-4020	LIN FT	67	\$310.00	\$20,770.00	67			\$20,770.00		
2506.5	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	5	\$460.00	\$2,300.00	5			\$2,300.00		
2506.5	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	10	\$470.00	\$4,700.00	10			\$4,700.00		
2506.501	CONST DRAINAGE STRUCTURE DES 96-4020	LIN FT	16	\$890.00	\$14,240.00	8.8		7.2	\$7,832.00		\$6,408.00
2506.501	CONST DRAINAGE STRUCTURE DES 108-4020	LIN FT	7	\$1,520.00	\$10,640.00	3.85		3.15	\$5,852.00		\$4,788.00
2506.5	CONST DRAINAGE STRUCTURE DES 120-4020	LIN FT	22	\$1,620.00	\$35,640.00	12.1		9.9	\$19,602.00		\$16,038.00
2506.5	CONSTRUCT DRAINAGE STRUCTURE DES 4007 (EXTRA DEPTH)	LIN FT	171	\$175.00	\$29,925.00			171			\$29,925.00
2506.502	CONST DRAINAGE STRUCTURE DESIGN SPECIAL	EACH	1	\$6,500.00	\$6,500.00	1			\$6,500.00		
2506.502	CONST DRAINAGE STRUCTURE DESIGN SPECIAL 1	EACH	1	\$1,200.00	\$1,200.00			1			\$1,200.00
2506.502	CONSTRUCT DRAINAGE STRUCT DESIGN DROP INLET	EACH	1	\$1,500.00	\$1,500.00		0.89	0.11		\$1,335.00	\$165.00
2506.502	CONSTRUCT DRAINAGE STRUCTURE DES 4007 (0'-10')	EACH	27	\$3,670.00	\$99,090.00			27			\$99,090.00
2506.516	CASTING ASSEMBLY	EACH	116	\$1,040.00	\$120,640.00	41.3	23.14	51.56	\$42,952.00	\$24,065.60	\$53,622.40

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2506.522	ADJUST FRAME & RING CASTING	EACH	5	\$525.00	\$2,625.00	3		2	\$1,575.00		\$1,050.00
2506.6	INFILTRATION SYSTEM	LUMP SUM	1	\$5,000.00	\$5,000.00		0.89	0.11		\$4,450.00	\$550.00
2506.6	CONST DRAINAGE STRUCTURE DESIGN SPECIAL 2 (SAFL BAFFLE)	EACH	2	\$8,500.00	\$17,000.00	2			\$17,000.00		
2506.603	CONSTRUCT 8" OUTSIDE DROP	LIN FT	17	\$175.00	\$2,975.00			17			\$2,975.00
2506.6	CONST DRAINAGE STRUCTURE TYPE 402	LIN FT	27	\$370.00	\$9,990.00		15.13	11.87		\$5,598.10	\$4,391.90
2506.6	CONST DRAINAGE STRUCTURE TYPE 404	LIN FT	19	\$250.00	\$4,750.00		13.35	5.65		\$3,337.50	\$1,412.50
2506.6	CONST DRAINAGE STRUCTURE TYPE 405-48"	LIN FT	9	\$290.00	\$2,610.00		8.01	0.99		\$2,322.90	\$287.10
2506.603	CONST DRAINAGE STRUCTURE TYPE 406-48"	LIN FT	40	\$320.00	\$12,800.00		35.6	4.4		\$11,392.00	\$1,408.00
2506.603	CONST DRAINAGE STRUCTURE TYPE 406-54"	LIN FT	12	\$450.00	\$5,400.00		4.45	7.55		\$2,002.50	\$3,397.50
2506.603	CONST DRAINAGE STRUCTURE TYPE 406-78"	LIN FT	6	\$590.00	\$3,540.00			6			\$3,540.00
2511.501	RANDOM RIPRAP CLASS II	CU YD	14	\$80.00	\$1,120.00		12.46	1.54		\$996.80	\$123.20
2511.501	RANDOM RIPRAP CLASS IV	CU YD	17	\$80.00	\$1,360.00	17			\$1,360.00		
2511.515	GEOTEXTILE FILTER TYPE II	SQ YD	63	\$6.00	\$378.00		56.07	6.93		\$336.42	\$41.58
2511.515	GEOTEXTILE FILTER TYPE IV	SQ YD	48	\$6.00	\$288.00	48			\$288.00		
2521.501	5" CONCRETE WALK	SQ FT	26846	\$4.25	\$114,095.50	10871	9173	6802	\$46,201.75	\$38,985.25	\$28,908.50
2521.501	5" CONCRETE WALK-EXPOSED AGGREGATE	SQ FT	200	\$11.75	\$2,350.00	200			\$2,350.00		
2521.618	5" CONCRETE WALK SPECIAL DESIGN 1	SQ FT	18563	\$8.00	\$148,504.00	18563			\$148,504.00		
2521.618	5" CONCRETE WALK SPECIAL DESIGN 2	SQ FT	1185	\$20.26	\$24,008.10	1185			\$24,008.10		
2531.501	CONCRETE CURB & GUTTER DESIGN B418	LIN FT	34	\$25.75	\$875.50	34			\$875.50		
2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	3979	\$13.25	\$52,721.75	85	3894		\$1,126.25	\$51,595.50	
2531.501	CONCRETE CURB & GUTTER DESIGN D418	LIN FT	971	\$15.50	\$15,050.50			971			\$15,050.50
2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	254	\$16.75	\$4,254.50	254			\$4,254.50		
2531.501	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	7942	\$15.25	\$121,115.50	7942			\$121,115.50		
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	1027	\$54.25	\$55,714.75	720	307		\$39,060.00	\$16,654.75	
2531.507	6" CONCRETE DRIVEWAY PAVEMENT - HIGH EARLY	SQ YD	400	\$58.50	\$23,400.00	400			\$23,400.00		
2531.602	PEDESTRIAN CURB RAMP	EACH	26	\$450.00	\$11,700.00	19	2	5	\$8,550.00	\$900.00	\$2,250.00
2531.618	TRUNCATED DOMES	SQ FT	578	\$38.00	\$21,964.00	432.5	36	109.5	\$16,435.00	\$1,368.00	\$4,161.00
2533.507	PORTABLE PRECAST CONC BARRIER DES 8337	LIN FT	1215	\$17.00	\$20,655.00	1215			\$20,655.00		
2540.601	CAST-IN-PLACE CONCRETE PLANTER AND SEATWALL	LUMP SUM	1	\$25,400.00	\$25,400.00			1			\$25,400.00
2540.602	MAIL BOX SUPPORT	EACH	48	\$150.00	\$7,200.00	27	19	2	\$4,050.00	\$2,850.00	\$300.00
2540.618	CONCRETE PAVERS (PERMEABLE)	SQ FT	700	\$2.05	\$1,435.00			700			\$1,435.00
2554.509	GUIDE POST TYPE B	EACH	6	\$75.00	\$450.00	1.55	3.56	0.89	\$116.25	\$267.00	\$66.75
2554.602	IMPACT ATTENUATOR BARRELS	EACH	90	\$160.00	\$14,400.00	90			\$14,400.00		
2557.603	WOODEN FENCE	LIN FT	362	\$35.00	\$12,670.00	362			\$12,670.00		
2557.603	INSTALL WOODEN FENCE	LIN FT	150	\$40.00	\$6,000.00	150			\$6,000.00		
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$28,000.00	\$28,000.00	0.4285	0.1267	0.4448	\$11,998.00	\$3,547.60	\$12,454.40
2561.601	TEMPORARY PEDESTRIAN ACCESS CONTROL	LUMP SUM	1	\$5,000.00	\$5,000.00	1			\$5,000.00		
2561.610	TRAFFIC CONTROL (RR FLAGGING)	HR	80	\$120.00	\$9,600.00			80			\$9,600.00
2563.618	CONSTRUCTION SIGN-SPECIAL	SQ FT	120	\$14.00	\$1,680.00	120			\$1,680.00		
2564.531	SIGN PANELS TYPE C	SQ FT	391	\$34.00	\$13,294.00	320	65	6	\$10,880.00	\$2,210.00	\$204.00
2564.531	SIGN PANELS TYPE SPECIAL	SQ FT	81	\$30.00	\$2,430.00	45	18	18	\$1,350.00	\$540.00	\$540.00
2564.536	INSTALL SIGN PANEL TYPE C	EACH	4	\$150.00	\$600.00	4			\$600.00		
2565.616	REVISE SIGNAL SYSTEM	SYSTEM	1	\$18,000.00	\$18,000.00	1			\$18,000.00		

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST	SAP 082-617-013 QUANTITY	SAP 206-108-002 QUANTITY	CP 2014-37 QUANTITY	SAP 082-617-013 COST	SAP 206-108-002 COST	CP 2014-37 COST
2571.502	DECIDUOUS TREE 2.5" CAL B&B	TREE	89	\$440.00	\$39,160.00			89			\$39,160.00
2571.503	ORNAMENTAL TREE 8' HT CONT	TREE	15	\$350.00	\$5,250.00			15			\$5,250.00
2571.504	CONIFEROUS SHRUB 3' HT CONT	SHRUB	15	\$100.00	\$1,500.00			15			\$1,500.00
2571.507	PERENNIAL NO 3 CONT	PLANT	541	\$32.00	\$17,312.00			541			\$17,312.00
2573.502	SILT FENCE, TYPE SD	LIN FT	150	\$3.00	\$450.00	150			\$450.00		
2573.502	SILT FENCE, TYPE MS	LIN FT	1378	\$2.25	\$3,100.50	661	717		\$1,487.25	\$1,613.25	
2573.505	FLOTATION SILT CURTAIN TYPE STILL WATER	LIN FT	200	\$3.00	\$600.00	200			\$600.00		
2573.530	STORM DRAIN INLET PROTECTION	EACH	89	\$130.00	\$11,570.00	51	27	11	\$6,630.00	\$3,510.00	\$1,430.00
2573.533	SEDIMENT CONTROL LOG TYPE COMPOST	LIN FT	3661	\$2.50	\$9,152.50	2313	1348		\$5,782.50	\$3,370.00	
2573.535	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$3,500.00	\$3,500.00	0.6	0.2	0.2	\$2,100.00	\$700.00	\$700.00
2573.560	CULVERT END CONTROLS	EACH	1	\$200.00	\$200.00	1			\$200.00		
2573.601	STORM WATER MANAGEMENT	LUMP SUM	1	\$7,500.00	\$7,500.00		0.89	0.11		\$6,675.00	\$825.00
2573.601	PERMANENT SEDIMENT TRAP - UNDERGROUND STORAGE SYSTEM	LUMP SUM	1	\$63,000.00	\$63,000.00	1			\$63,000.00		
2574.508	FERTILIZER TYPE 4	POUND	32	\$6.00	\$192.00		32			\$192.00	
2574.525	FILTER TOPSOIL BORROW	CU YD	223	\$32.00	\$7,136.00		198.47	24.53		\$6,351.04	\$784.96
2574.525	PLANTING SOIL MIX	CU YD	300	\$36.00	\$10,800.00			300			\$10,800.00
2575.501	SEEDING	ACRE	0	\$3,500.00	\$735.00		0.21			\$735.00	
2575.502	SEED MIXTURE 33-261	POUND	4	\$200.00	\$800.00		4			\$800.00	
2575.502	SEED MIXTURE 35-221	POUND	4	\$200.00	\$800.00		4			\$800.00	
2575.505	SODDING TYPE LAWN	SQ YD	17128	\$5.50	\$94,204.00	7950	7239	1939	\$43,725.00	\$39,814.50	\$10,664.50
2575.523	EROSION CONTROL BLANKETS CATEGORY 00	SQ YD	267	\$3.00	\$801.00		267			\$801.00	
2575.523	EROSION CONTROL BLANKETS CATEGORY 3N	SQ YD	782	\$2.25	\$1,759.50		782			\$1,759.50	
2575.562	HYDRAULIC MATRIX TYPE MULCH	POUND	7434	\$0.75	\$5,575.50	3444	3150	840	\$2,583.00	\$2,362.50	\$630.00
2582.501	PAVT MSSG (LEFT ARROW) - POLY PREFORM - GR IN	EACH	2	\$500.00	\$1,000.00	2			\$1,000.00		
2582.501	PAVT MSSG (RIGHT ARROW) - POLY PREFORM - GR IN	EACH	2	\$500.00	\$1,000.00	2			\$1,000.00		
2582.501	PAVT MSSG (RR XING) - POLY PREFORM - GR IN	EACH	2	\$2,000.00	\$4,000.00	2			\$4,000.00		
2582.502	24" STOP LINE WHITE - POLY PREF (GR-IN)	LIN FT	25	\$38.00	\$950.00	25			\$950.00		
2582.502	4" DOUBLE SOLID LINE YELLOW - PAINT	LIN FT	3610	\$0.50	\$1,805.00	3610			\$1,805.00		
2582.502	4" SOLID LINE WHITE - PAINT	LIN FT	6415	\$0.30	\$1,924.50	6415			\$1,924.50		
2582.502	4" DOUBLE SOLID LINE YELLOW - PAINT	LIN FT	1975	\$0.50	\$987.50		1975			\$987.50	
2582.502	4" SOLID LINE WHITE - PAINT	LIN FT	3765	\$0.30	\$1,129.50		3765			\$1,129.50	
2582.502	4" DOUBLE SOLID LINE YELLOW - EPOXY (WR)	LIN FT	3610	\$1.75	\$6,317.50	3610			\$6,317.50		
2582.502	4" SOLID LINE WHITE - EPOXY (WR)	LIN FT	6415	\$1.00	\$6,415.00	6415			\$6,415.00		
2582.502	4" DOUBLE SOLID LINE YELLOW - EPOXY	LIN FT	1975	\$0.75	\$1,481.25		1975			\$1,481.25	
2582.502	4" SOLID LINE WHITE - EPOXY	LIN FT	3765	\$0.50	\$1,882.50		3765			\$1,882.50	
2582.503	CROSSWALK MARKING - POLY PREFORM - GR IN	SQ FT	1120	\$13.00	\$14,560.00	1030	90		\$13,390.00	\$1,170.00	
					Total	\$6,162,046.13			\$2,703,607.39	\$808,943.78	\$2,649,494.96
					+7% Contingency	\$6,593,389.36			\$2,892,859.91	\$865,569.84	\$2,834,959.61