Agreement No. PW 25-32-16 County Project No. 091101 County State Aid Highway 112 City of Long Lake City of Orono County of Hennepin

### CONSTRUCTION COOPERATIVE AGREEMENT

1 / THIS AGREEMENT, made and entered into this 29th	day of
THIS AGREEMENT, made and entered into this	body politic and
corporate under the laws of the State of Minnesota, hereinafter referred to as the	"County", and the
City of Long Lake, a body politic and corporate under the laws of the State of M	linnesota, and the
City of Orono, a body politic and corporate under the laws of the State of Minne	sota, collectively
hereinafter referred to as the "Cities".	

### WITNESSETH:

WHEREAS, the County is preparing to improve County State Aid Highway No. (CSAH) 112 from CSAH 6 to Trunk Highway (TH) 12 in the City of Long Lake and the City of Orono (County Project No. 0911); and

WHEREAS, the County and the Cities have been negotiating to bring about the improvement of "Phase One" of the segment of CSAH 112 from Willow Drive to Wolf Pointe Trail in the cities of Long Lake and Orono as shown on the County Engineer's plans for County Project No. (C.P.) 091101 which improvements contemplate and includes grading, aggregate base, bituminous surfacing, drainage, watermain, sanitary sewer, curb and gutter, concrete walk, bituminous trail, retaining walls, lighting, traffic signals, landscaping and other related improvements, and which shall hereinafter be referred to as the "Project"; and

WHEREAS, the above described Project lies within the corporate limits of the Cities; and

WHEREAS, the County Engineer has heretofore prepared an Engineer's Estimate of quantities and unit prices for the above described Project in the sum of Twelve Million Eight Hundred Ninety One Thousand Seven Hundred Twenty Four Dollars and Thirty Five Cents (\$12,891,724.35). A copy of said estimate, marked Exhibit "A", is attached hereto and by this reference made a part hereof; and

WHEREAS, the Cities have indicated their willingness to participate in the construction, engineering, right of way and maintenance costs of the Project as detailed herein; and

WHEREAS, the construction costs for the Project shall be comprised of state turnback funds, municipal and county state aid funds, and local funds; and

WHEREAS, to ensure compatibility with the County's existing network of traffic signal systems the County will furnish the controllers, control equipment and control cabinets to be installed as a part of the Project; and

WHEREAS, the City of Long Lake has requested that the County include in the plans for the Project a bituminous trail outside of the CSAH 112 corridor, said trail being along Mill Street, Symes Street and Lake Street; and

WHEREAS, the City of Long Lake has requested that the County include in the plans for the Project an alternate bid for gateway monuments and related streetscape elements in addition to the Project's base bid; and

WHEREAS, the City of Long Lake has requested that the County relocate the bituminous trail east of Martha Lane from the south side to the north side of CSAH 112 resulting in additional design costs; and

WHEREAS, the City of Long Lake has requested that the County include in the plans for the Project replacement of watermain and sanitary sewer designed by the City of Long Lake; and

WHEREAS, the County and the Cities have also been negotiating to install landscaping within the Project limits, in conjunction with the Project via a separate municipal project, hereinafter referred to as the "Landscape Project"; and

WHEREAS, the County also has Roadside Enhancement Partnership Program (REPP) funds available and will participate in the costs with REPP funds to bury overhead electrical power lines within the construction limits of the Project; and

WHEREAS, the City of Long Lake will enter into a separate contract with Xcel Energy to underground overhead electrical power lines within the construction limits of the Project; and

WHEREAS, it is contemplated that said work be carried out by the parties hereto under the provisions of Minnesota Statutes 2005, Section 162.17, Subdivision 2 and Section 471.59.

### NOW THEREFORE, IT IS HEREBY AGREED:

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The County will advertise for bids for the work and construction of the Project, receive and open bids pursuant to said advertisement and will enter into a contract with the successful bidder at the unit prices specified in the bid of such bidder, according to law. The contract will include the plans and specifications prepared by the County, which said plans and specifications are referenced

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and identified as S.P. 027-712-001 and approved by the Minnesota Department of Transportation (MnDOT).

II

The County will administer the contract and inspect the construction of all the contract work contemplated herewith. However, the Cities' Engineers or designated representatives shall have the right, as the work progresses, to enter upon the job site to make any inspections deemed necessary and shall cooperate with the County Highway Engineer and staff at their request to the extent necessary, but will have no responsibility for the supervision of the work.

The Cities agree that the County may make changes in the plans or in the character of said contract construction which is reasonably necessary to cause said construction to be in all things performed and completed in a satisfactory manner. It is further agreed by the Cities that the County may enter into any change orders or supplemental agreements with the County's contractor for the performance of any additional construction or construction occasioned by any necessary, advantageous or desirable changes in plans, within the original scope of the Project. Said changes may result in an increase or decrease to the Cities' cost participation estimated herein.

The Cities shall have the right to review any proposed changes to the plans and specifications as they relate to the Cities' cost participation prior to the work being performed. The Cities' Engineer or designated representatives shall have the right to approve or reject any change orders or supplemental agreements prepared by the County that affect the Cities' share of the construction cost.

The Cities further agree that it will participate in the settlement of any claims from the County's contractor that involve delays attributable to unreasonable delays in approval by the Cities for plan or specification changes deemed necessary by the County Highway Engineer or staff. The amount of Cities participation in any such claims shall be commensurate with the percentage of delay directly attributable to the Cities' actions.

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The Cities shall participate in the costs of the contracted construction work for the Project as set forth in said Exhibit "A". The respective proportionate shares of the pro-rata pay items included in Exhibit "A" shall remain unchanged throughout the life of this Agreement. It is understood that the estimated amount on Page 1 of this Agreement and as shown in Exhibit "A" is an estimate of the costs for the contracted construction work on said Project and that the unit prices set forth in the contract with the successful bidder and the final quantities as measured by the County Highway Engineer's designated representatives shall govern in computing the total final contract construction cost for apportioning the cost of said Project according to the provisions herein. It is further understood and agreed that the final quantities as measured by the County Highways Engineer designated representatives for contract pay items in which the Cities are participating shall be subject to the review and approval by the Cities' Engineer.

### IV

The County or its agents shall acquire all additional right of way, permits and/or easements required for the construction of the Project. It is understood by the parties that state turnback funds are available to finance acquisition right of way for the Project with the following exception. The City of Long Lake shall reimburse the County for one hundred (100) percent of the final cost of the additional right of way and/or easements required to construct the bicycle/pedestrian trail between Martha Lane and Lake Street. The amount of the City of Long Lake share in said right of way acquisition costs is estimated to be \$14,880.00.

It is understood and agreed that the Cities shall convey property rights to the County over those lands owned by the Cities that are required for the Project. Said property rights shall be granted at no cost to the County. It is further understood and agreed that any and all city permits required by the Project shall be granted at no cost or expense to the County or its contractors.

Included in the Project is the construction of city utilities. It is understood and agreed by the parties that in the event additional right of way is needed to construct said city utilities, the County will acquire the additional right of way and/or easements and the Cities shall reimburse the County for one hundred (100) percent of the final cost of the additional right of way and/or easements.

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The County, at its sole cost and expense, has conducted a Phase I and Phase II Environmental Assessments (ESA) on the Project. In the event a future Phase II ESA is required on any parcel due to the City of Long Lake's utility work included in the Project, it is understood and agreed that the City of Long Lake shall reimburse the County for all costs incurred by the County for the completion of said future Phase II ESA. If any such Phase II ESA identifies contamination that must be abated, the County will hire consultants and contractors as necessary to perform the necessary abatement of the roadway right of way and obtain approval of the Minnesota Pollution Control Agency. Any such abatement required may be accomplished under a separate project or may be included in the Project.

The County will investigate and exhaust all available options for payment of costs incurred related to the aforereferenced Phase II ESA. This includes, but is not limited to, responsible parties and governmental agencies. The City of Long Lake hereby agrees to reimburse the County all costs incurred by the County for the completion of the aforereferenced environmental work performed on parcels associated with the City of Long Lake's utility work for which the County does not receive reimbursement from other sources.

 $\mathbf{VI}$ 

The Cities shall reimburse the County for their shares of the construction costs of the Project as set forth in said Exhibit "A". It is further agreed that the Engineer's Estimate referred to on page 1 of this Agreement is an estimate of the construction cost for the contract work on said Project and that the unit prices set forth in the contract with the successful bidder and the final quantities as measured

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by the County Highway Engineer shall govern in computing the total final contract construction costs for apportioning the costs of said Project according to the provisions herein. For informational purposes only it is estimated that the City of Long Lake will pay the County \$921,761.48 as its share of the construction costs. For informational purposes only it is estimated that the City of Orono will pay the County \$85,328.30 as its share of the construction costs.

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### VII

It is recognized by the parties that the watermain and sanitary sewer included by the Project has been designed by the City of Long Lake or its agents. As set forth in Exhibit "A", the Cities agree to pay to the County ten (10) percent of the Cities' share of the contracted construction costs not designed by a city as its share of the engineering design costs for the Project, in addition to its proportionate shares of the contracted construction costs for the Project. For informational purposes only it is estimated that the City of Long Lake will pay the County \$56,672.50 as its share of the design engineering costs. For informational purposes only it is estimated that the City of Orono will pay the County \$9,184.07 as its share of the design engineering costs.

Similarly, the Cities also agree to reimburse the County for the Cities' proportionate share of the construction engineering costs for the Project. The Cities' share of construction engineering costs shall be equal to eight (8) percent of the total final amount of the Cities' share of contract construction costs for the Project. The amount of the City of Long Lake share in the contract administration costs is estimated \$73,740.92. The amount of the City of Orono share in the contract administration costs is estimated \$6,826.26.

It is understood that the Cities' proportionate shares shown in Exhibit "A" are estimates and that the actual Cities' proportionate shares of the engineering design costs and contract administration costs will be computed using the total final amount of the Cities share of the contract construction costs for the Project.

As referenced above the watermain and sanitary sewer included by the Project has been designed by the City of Long Lake or its agents. As shown in Exhibit "A", it is estimated that \$147,726.00 of the proposed utilities designed by the City of Long Lake are eligible for State Turnback funding. As such the County agrees to reimburse the City of Long ten (10) percent of the State Turnback eligible utilities designed by the City of Long Lake. As set forth in Exhibit "A" the amount the County will reimburse the City of Long is estimated to be \$14,772.60.

### VIII

After an award by the County to the successful bidder on the Project, the County shall invoice the City of Long Lake for fifty (50) percent of the estimated city's shares in the contract construction costs and engineering costs for the Project. After December 15, 2017 the County shall invoice the city for forty five (45) percent of the estimated Cities' shares in the contract construction costs and engineering costs for the Project. Payments shall be made to the County, in the name of the Hennepin County Treasurer, by the City of Long Lake for the full amount due stated on the invoices within

forty five (45) days of the invoice date. Said estimated city's shares shall be based on actual contract unit prices applied to the estimated quantities shown in the plans.

After an award by the County to the successful bidder on the Project, the County shall invoice the City of Orono for ninety five (95) percent of the estimated city's shares in the contract construction costs and engineering costs for the Project. Payments shall be made to the County, in the name of the Hennepin County Treasurer, by the City of Orono for the full amount due stated on the invoices within forty five (45) days of the invoice date. Said estimated city's shares shall be based on actual contract unit prices applied to the estimated quantities shown in the plans.

In the event the County Highway Engineer or the County's staff determines the need to amend the construction contract with a supplemental agreement or change order which results in an increase in the contract amount for the Project, the Cities hereby agrees to remit within forty five (45) days of notification by the County of said change an amount equal to ninety five (95) percent of the estimated Cities' shares as documented in the supplemental agreement or change order.

The remainder of the Cities' shares in the engineering and contract construction costs of the Project, including additional costs resulting from supplemental agreements and change orders, will be due the County upon acceptance by the County's construction engineer of all the construction work performed by the County's construction contractor and submittal of the County Highway Engineer's final estimate for the Project to the City.

Upon final payment to the Project contractor by the County, any amount remaining as a balance in the deposit account will be returned to the Cities, within 45 days, on a proportionate basis based on the Cities' initial deposit amount and the Cities' final proportionate share of the Project costs. Likewise, any amount due the County from the Cities upon final payment by the County shall be paid by the Cities as its final payment for the construction and engineering costs of the Project within forty five (45) days of receipt of an invoice from the County.

### IX

By City of Long Lake Council resolution the City of Long Lake authorized design of the Project's bituminous trail for construction on the south side of CSAH 112. The City of Long Lake has subsequently requested that the County relocate the Project's bituminous trail from the south side to the north side of CSAH 112 to the east of Martha Lane thereby resulting in additional design costs. Therefore, it is understood and agreed that the City of Long Lake shall reimburse the County \$133,001.00 for the additional design costs the County has incurred to change the plans for the Project. Upon approval of this Agreement by the parties hereto, the County will invoice the city for one hundred (100) percent of said additional design costs. Within forty five (45) days after receipt of the invoice, the city shall deposit with the County, said amount.

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The County or its agents will develop all the necessary construction plans, specifications and proposals, for the aforereferenced Landscape Project. The City of Long Lake will advertise for bids

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for the work and construction of the Landscape Project, receive and open bids pursuant to said advertisement and will enter into a contract with the successful bidder at the unit prices specified in the bid of such bidder, according to law. The City of Long Lake or its agents shall administer the contract and shall perform the required engineering, inspection and testing for the Landscape Project. The County Highway Engineer and staff shall have the right, as work progresses, to make any inspections deemed necessary, but will have no responsibility for supervision of the work. It is understood and agreed that the County will not charge the City of Long Lake for its proportionate share of the costs to design the Landscape Project. Similarly, the City of Lake will not charge the County for its proportionate share of the costs to administer construction of the Landscape Project.

It is understood that all work to be performed under the Landscape Project shall be done either in conjunction with or upon completion of the construction activities of the Project. It is further understood and agreed that it shall be the responsibility of the City or its contractor to coordinate construction of the Landscape Project with the County's construction contractor for the Project.

As shown in Exhibit "A", the County's proportionate share of the construction costs for the Landscape Project is estimated to be \$69,319.50. The County's share in the Landscape Project costs will be directly paid to the City from the County and will not be addressed as credits applied to the City's proportionate share of the costs for the Project. Upon completion of the Landscape Project by the City and acceptance of work by the County Highway Engineer or a designated representative, the City shall invoice the County for one hundred (100) percent of the County's share of the costs for the Landscape Project. Within forty five (45) days after receipt of said invoice, the County shall deposit with the City, said County share.

As shown in Exhibit "A", the City of Orono's proportionate shares of the construction costs and contract administration costs for the Landscape Project are estimated to be \$6,512.40 and \$520.99 respectively. The City of Orono's proportionate shares in the Landscape Project costs will be directly paid to the City of Long Lake. Upon completion of the Landscape Project by the City of Long Lake and acceptance of work by the County Highway Engineer and the City of Orono's Engineer, the City of Long Lake shall invoice the City of Orono for one hundred (100) percent of the City of Orono's share of the costs for the Landscape Project. Within forty five (45) days after receipt of said invoice, the City of Orono shall deposit with the City of Long Lake, its proportionate cost shares.

### XI

In conjunction with the Project, the City of Long Lake will enter into a separate agreement with Xcel Energy to accomplish the underground relocation of the electrical power lines within the project limits. It is understood that all work to be performed by Xcel Energy must be done either in conjunction with or prior to the start of the construction activities of the Project. The City of Long Lake agrees to contractually require Xcel Energy to coordinate its activities with the County's construction contractor for the Project. It is understood that as a consequence of the burial of overhead electrical power lines, individual service feeds for the residences and businesses may need to be rewired in a manner to make the service feeds compatible with the newly buried electrical power lines. The City of Long Lake agrees that it is responsible to coordinate with Xcel Energy and



the affected property owners regarding any individual service feed rewiring that may be required or desired.

The County, through its Roadside Enhancement Partnership Program (REPP), will participate in a proportionate share of the costs to underground overhead power lines. As set forth in the County's Cost Participation Policy, the County's proportionate share of utility burial costs eligible for this funding source is thirty three (33) percent and may not exceed \$330,000.00 per center line mile. For informational purposes, the County's estimated share for these costs is \$9,900.00. The parties acknowledge that the stated amounts are estimates and that the County's actual share of utility burial costs will be determined in accordance with the County's Cost Participation Policy, based upon the final utility burial costs.

The County will pay its share of utility burial directly to the City of Long Lake rather than applying its share as a credit against the city's proportionate share of the Project costs. Upon completion of the work by the city's undergrounding contractor(s) and acceptance of the work by the City of Long Lake's Engineer or a designated representative, the city will submit an itemized invoice to the County for one hundred (100) percent of the County's share of the costs. It is understood and agreed by the parties that the City of Long Lake will submit said invoice after January 1, 2018. The County agrees to remit payment to the City of Long Lake within forty five (45) days after receipt of the invoice.

### XII

The proportionate shares of the various costs associated with said Project have been identified and set forth in Articles III through XI of this Agreement. The estimated amount that the City of Long Lake is to pay the County as a result of this Agreement is \$1,200,055.90. The estimated amount that the City of Orono is to pay the County as a result of this Agreement is \$101,338.63. It is understood and agreed that said payment amounts are estimates and that the actual payment amounts shall be based on actual costs and contract unit prices, as specified elsewhere throughout this Agreement.

### XIII

All payments to the County must be postmarked by the date due or a late penalty of one (1) percent per month, or fraction thereof, on the unpaid balance will be charged to the Cities. The Cities shall pay the amount due as stated on the statement, notwithstanding any dispute of such amount. Should a disputed amount be resolved in favor of the Cities, the County shall reimburse the disputed amount plus daily interest thereon calculated from the date such disputed amount was received by the County. Daily interest shall be at the rate of one (1%) percent per month on the disputed amount.

All payments to the Cities must be postmarked by the date due or a late penalty of one (1) percent per month, or fraction thereof, on the unpaid balance will be charged to the County. The County shall pay the amount due as stated on the statement, notwithstanding any dispute of such amount. Should a disputed amount be resolved in favor of the County, the Cities shall reimburse the

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disputed amount plus daily interest thereon calculated from the date such disputed amount was received by the respective city. Daily interest shall be at the rate of one (1%) percent per month on the disputed amount.

### XIV

All records kept by the Cities and the County with respect to the Project shall be subject to examination by the representatives of each party hereto.

### XV

The County reserves the right not to issue any permits for a period of five (5) years after completion of the Project for any service cuts in the roadway surfacing of the County Highways included in said Project for any installation of underground utilities which would be considered as new work; service cuts shall be allowed for the maintenance and repair of any existing underground utilities.

### XVI

As part of the Project, "No-Parking" signs shall be installed as represented in the plans and the Cities, at their expense, shall provide the enforcement for the prohibition of on-street parking on those portions of CSAH 112 constructed under this Project recognizing the concurrent jurisdiction of the Sheriff of Hennepin County.

Any modification of the above parking restrictions shall not be made without first obtaining a resolution from the Hennepin County Board of Commissioners permitting said modification.

It is further agreed that the Cities shall, at their own expense, remove and replace city owned signs that are within the construction limits of said Project if requested by the County's Project Engineer.

### XVII

The City of Long Lake shall install, cause the installation of, or perpetuate the existence of an adequate three wire, 120/240 volt, single phase, alternating current electrical power connection to the permanent traffic control signals and integral luminaries included in the Project at no cost to the County. Further, the City of Long Lake shall provide the electrical energy for the operation of the traffic control signals and luminaries included in the Project at no expense to the County.

It is understood by the parties that the northwest quadrant of the traffic signal system to be installed as part of the Project at the intersection of CSAH 112 and Brown Road is within the City of Orono. It is further understood that the City of Long Lake and the City of Orono may enter into a separate agreement for Orono's proportionate cost share of the electricity to operate this traffic signal system.

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It is understood by the parties that the County or its agents will provide a traffic signal service cabinet designed for battery backup in case of electrical power outages. It is further understood that the County or its agents will be responsible for providing the batteries, inverter and cabling for the service cabinet at no cost to the Cities.

The Cities shall not revise by addition or deletion, nor alter or adjust any component, part, sequence, or timing of the aforesaid traffic control signal, however, nothing herein shall prohibit prompt, prudent action by properly constituted authorities in situations where a part of such traffic control signals may be directly involved in an emergency.

Upon completion of the Project the County shall thereafter maintain and repair the traffic control signal systems installed as a part of the Project, at the sole cost and expense of the County. Further, the County, at its expense, shall maintain 110-volt power to the line side of the meter. The City of Long Lake, at its expense, shall maintain the fuse, the luminary and the wire to the load side of the meter. Further, the City of Long Lake, at its expense, shall maintain the EVP components.

The EVP Systems provided for herein shall be installed, operated, maintained or removed in accordance with the following conditions and requirements:

- 1. Emitter units may be installed and used only on vehicles responding to an emergency as defined in Minnesota Statutes Chapter 169.01, Subdivision 5 and 169.03. The Cities will provide the County Highway Engineer or his designated representative a list of all such vehicles with emitter units.
- 2. Malfunctions of EVP Systems shall be reported to the County immediately.
- 3. In the event said EVP Systems or components are, in the opinion of the County, being misused or the conditions set forth herein are violated, and such misuse or violation continues after receipt by the Cities of written notice thereof from the County, the County shall remove the EVP Systems. Upon removal of the EVP Systems pursuant to this paragraph, the field wiring, cabinet wiring, detector receivers, infrared detector heads, indicator lamps and all other components shall become the property of the County.
- 4. All timing of said EVP Systems shall be determined by the County.

Upon completion of the Project the County shall thereafter maintain and repair the pedestrian crossing signal systems including the integral solar panel installed as a part of the Project, at the sole cost and expense of the County. The Cities shall provide the electrical energy for the operation of the pedestrian crossing signal systems included in the Project at no expense to the County.

### **XVIII**

It is understood and agreed that upon completion of the Project, all water distribution system

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components, sanitary sewer systems, concrete sidewalk, bituminous trail, fencing, lighting and all municipal street construction included in said improvement shall be the property of the Cities and all maintenance, restoration, repair, replacement or other work or services required thereafter shall be performed by the Cities at no expense to the County. It is understood that maintenance of the intersecting municipal streets begins at the back of curb of CSAH 112.

Notwithstanding the maintenance responsibilities of the Cities as specified in the previous paragraph, it is further understood and agreed that upon completion of the Project, all landscaping, grass areas and streetscape as shown in the plans for the Project and City of Long Lake's Landscape Project, shall become the responsibility of the Cities and all maintenance, restoration, repair, replacement or other work or services required thereafter shall be performed by the Cities at no expense to the County. It is understood that said maintenance includes the grass areas between CSAH 112 and the bituminous trail constructed as part of the Project.

It is understood by the parties that maintenance of the reinforced soil slope along the body of water known as Long Lake and CSAH 112 between approximately Martha Lane and Cemetery Road in the City of Long Lake will be the maintenance of the County.

It is understood and agreed by the parties that the Cities shall provide the electrical energy for the operation of the pedestrian and street lighting included in the Project within their respective city at no expense to the County.

Upon completion of the Project the County shall, at its own cost and expense, retain ownership and maintenance responsibilities for those portions of the roadway storm sewer drainage system functioning as catch basins and associated lead pipes that are within or between the outermost curb lines of the County roadways as well as those within the radius return limits of intersecting municipal streets. All other components of the roadway storm sewer drainage system, constructed as a part of this Project including but not limited to all trunk lines, drainage structures, ponds, and storm water treatment structures, shall become the property of the Cities and shall be maintained by the Cities. It is understood that maintenance of cross road culverts within County right of way will the responsibility of the County.

Notwithstanding the maintenance responsibilities of the Cities as specified in the previous paragraph, it is further understood and agreed that the City of Orono shall own and shall be responsible for maintenance of the storm water pond located in the northwest corner of the intersection of CSAH 112 and Brown Road (Brown Road Pond). In the event at any time in the future dredging to remove excess sediment from the Brown Road Pond is required or reconstruction of the Brown Road pond and/or its associated structures is required, the County agrees to participate in the costs. The County's participating cost share shall be twenty five percent (25%) and is based on the percentage of storm water entering the Brown Road Pond from County facilities. It is further understood that the removal of sediment from inlets, outlets and overflow structures is considered a routine maintenance activity that shall be the sole responsibility of the City of Orono.

It is understood and agreed that the City of Orono shall be responsible for dredging excess

sediment and others works as needed from the Brown Road Pond and will perform the work with its own forces or by contract. It is understood that the decision to dredge or repair the Brown Road Pond shall be made jointly by the City of Orono's Director of Public Works and the County's Transportation Operations Department Director. Upon completion of the work by the City of Orono or its contractor(s) and acceptance of the work by the County's Transportation Operations Department Director or a designated representative, the city will submit an itemized invoice to the County for one hundred (100) percent of the County's share of the costs.

It is further understood and agreed that upon completion of the Project the Cities, at their sole cost and expense, will perform all routine maintenance on the retaining walls and retaining wall fencing/railing constructed as a part of the Project. In the event, at any time in the future, that the retaining walls and integral retaining wall fencing/railing constructed as a part of the Project are rehabilitated and/or replaced the County agrees to participate in fifty (50) percent of the costs of said rehabilitation and/or replacement.

It is understood by the parties hereto that the term 'upon completion of the Project' as used in this agreement shall be defined as acceptance by the County's construction engineer of the construction work performed by the County's construction contractor that is to be maintained by the Cities as specified herein. All questions of maintenance responsibilities that may arise shall be jointly resolved by the Cities' Directors of Public Works and the County's Transportation Operations Department Director.

### XIX

It is hereby understood that the County requires an operational clear zone behind the face of curb for storage of snow removed from County roadways. The Cities, at its discretion, will remove snow that may be placed on the sidewalks and/or pedestrian/bicycle paths within the operational clear zone, as a result of the County's snow removal operations on CSAH 112 within the limits of the Project. This paragraph is not intended to confer a benefit upon any third party and the Cities' decision to remove snow from the sidewalk and/or paths shall be made by the Cities in its sole discretion pursuant to its policy on removal of snow and ice from its sidewalks and/or pedestrian/bicycle paths and trails.

### XX

The City of Long Lake agrees to defend, indemnify and hold harmless the County and the City of Orono, their officials, officers, agents, volunteers and employees, from any liabilities, claims, causes of action, judgments, damages, losses, costs or expenses, including, reasonable attorneys' fees, resulting directly or indirectly from any act or omission of the City of Long Lake, its contractors, anyone directly or indirectly employed by them, and/or anyone for whose acts and/or omissions they may be liable related to the construction of the Landscape Project, or related to the ownership, maintenance, existence, restoration, repair or replacement of the afore defined City of Long Lake owned improvements constructed as part of said Project. The City of Long Lake's liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 or other applicable law.

The City of Orono agrees to defend, indemnify and hold harmless the County and the City of Long Lake, their officials, officers, agents, volunteers and employees, from any liabilities, claims, causes of action, judgments, damages, losses, costs or expenses, including, reasonable attorneys' fees, resulting directly or indirectly from any act or omission of the City of Orono, its contractors, anyone directly or indirectly employed by them, and/or anyone for whose acts and/or omissions they may be liable related to the ownership, maintenance, existence, restoration, repair or replacement of the afore defined City of Orono owned improvements constructed as part of said Project. The City of Orono's liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 or other applicable law.

The County agrees to defend, indemnify, and hold harmless the City of Long Lake and the City of Orono, their officials, officers, agents, volunteers, and employees from any liability, claims, causes of action, judgments, damages, losses, costs, or expenses, including reasonable attorneys' fees, resulting directly or indirectly from any act or omission of the County, its contractors, anyone directly or indirectly employed by them, and/or anyone for whose acts and/or omissions they may be liable related to the construction of the Project or development of the Landscape Project, or related to the ownership, maintenance, existence, restoration, repair or replacement of County owned improvements constructed as part of said Project. The County's liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 or other applicable law.

### XXI

Each party agrees that it will be responsible for its own acts and the results thereof, to the extent authorized by the law, and shall not be responsible for the acts of the other party and the results thereof. The County's and the Cities liability is governed by the provisions of Minnesota Statutes, Chapter 466.

The County and the Cities each warrant that they are able to comply with the aforementioned indemnity requirements through an insurance or self-insurance program.

### XXII

It is agreed that any and all employees of the Cities and all other persons engaged by the Cities in the performance of any work or services required or provided for herein to be performed by the Cities shall not be considered employees of the County, and that any and all claims that may or might arise under the Minnesota Economic Security Law or the Workers' Compensation Act of the State of Minnesota on behalf of said employees while so engaged and any and all claims made by any third parties as a consequence of any act or omission on the part of said employees while so engaged on any of the work or services provided to be rendered herein shall in no way be the obligation or responsibility of the County.

Also, any and all employees of the County and all other persons engaged by the County in the performance of any work or services required or provided for herein to be performed by the County shall not be considered employees of the Cities, and that any and all claims that may or might arise

under the Minnesota Economic Security Law or the Workers' Compensation Act of the State of Minnesota on behalf of said employees while so engaged and any and all claims made by any third parties as a consequence of any act or omission on the part of said employees while so engaged on any of the work or services provided to be rendered herein shall in no way be the obligation or responsibility of the Cities.

### XXIII

In order to coordinate the services of the County with the activities of the Cities so as to accomplish the purposes of this Agreement, the Hennepin County Highway Engineer or designated representative shall manage this Agreement on behalf of the County and serve as liaison between the County and the Cities.

In order to coordinate the services of the Cities with the activities of the County and so as to accomplish the purposes of this Agreement, the respective Cities' Engineer or designated representative shall manage this Agreement on behalf of the Cities and serve as liaison between the Cities and the County.

### XXIV

The County Engineer or designated representative will prepare weekly progress reports for the Project as provided in the specifications. Copies of these reports will be furnished to the Cities upon request.

### XXV

It is understood and agreed that the entire Agreement between the parties is contained herein and that this Agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter hereof. All items referred to in this Agreement are incorporated or attached and are deemed to be part of this Agreement.

Any alterations, variations, modifications, or waivers of provisions of this Agreement shall only be valid when they have been reduced to writing as an amendment to this Agreement signed by the parties hereto.

### XXVI

The provisions of Minnesota Statutes 181.59 and of any applicable local ordinance relating to civil rights and discrimination and the Affirmative Action Policy statement of Hennepin County shall be considered a part of this Agreement as though fully set forth herein.

# XXVII

The matters set forth in the "whereas" clauses at the beginning of this Agreement are incorporated into and made a part hereof by this reference.

(this space left intentionally blank)

Agreement No. PW 25-32-16 CSAH 112; C. P. 091101

IN TESTIMONY WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the day and year first above written.

# (Seal) CORPORATE By: Mayor Date: 12 led 1 L And: Administrator Date: 12 led 1 L Arministrator Date: 12 led 1 L And: Mayor Date: 12 led 1 L And: Administrator Da

# **COUNTY OF HENNEPIN**

	·
ATTEST:	
By: Clurk Deputy Clerk of the County Board	By: Opin a. Callin
Deputy Olerk of the County Board	Chair of its County Board
Date: 1.30.2017	Date: 1-30-17
A BRDOVED A C TO FORM	
APPROVED AS TO FORM:	And: County Administrator
By: Slico K. Borence	Date:
Assistant County Attorney	And: / wil Whehm
Date: 10/27/16	Assistant County Administrator, Public Works
	Date: 1/2/17
	, ,
APPROVED AS TO EXECUTION:	RECOMMENDED FOR APPROVAL
By: Juliek Errman	By: James / Strube
Assistant County Attorney	County Highway Engineer
Date: 2/3/17	Date: 1/26/17
	/ /
	RECOMMENDED FOR APPROVAL
	By: Mos A smell
	Director, Transportation Department - Operations
	Date: 1/17/17

# EXHIBIT "A" DIVISION OF COST SUMMARY

SAP 027-712-001; SAP 027-712-004; CP 091101 CSAH 112 (Wayzata Boulevard) From Willow Drive to Wolf Pointe Trail

	TOTAL ESTIMATED	HENNEPIN COUNTY	HENNEPIN		
	COST	TURNBACK FUND	COUNTY	LONG LAKE	ORONO
CONTRACT CONSTRUCTION (SAP 027-712-001)					
(1) ROADWAY & SIGNALS	\$10,344,083.35	10,183,083.35	161,000.00		
(2) STORM SEWER	\$1,017,982.00	\$1,017,982.00			
(3) TRAIL & LIGHTING	\$124,250.50		\$124,250.50		
(4) PROPOSED UTILITIES; DESIGNED BY CITY OF LONG LAKE	\$502,762.50	\$147,726.00		\$355,036.50	
ADDITIONAL LIGHTING & STREETSCAPE	\$371,523.40		\$122,602.72	\$183,401.58	\$65,519.10
(5) NON-PARTICIPATING	\$449,424.70		\$127,990.00	\$301,625.50	\$19,809.20
(6) NON-PARTICIPATING; BID ALTERNATIVE	\$81,697.90			\$81,697.90	ì
•					
SAP 027-712-001 SUBTOTAL	\$12,891,724.35	\$11,348,791.35	\$535,843.22	\$921,761.48	\$85,328.30
CONTRACT CONSTRUCTION (SAP 027-712-004)				***	60 540 40
(7) LANDSCAPE PROJECT SAP 027-712-004	\$108,950.00	\$49,800.00	\$19,519.50	\$33,118.10	\$6,512.40
CONTRACT CONSTRUCTION SUBTOTAL	\$13,000,674.35	\$11,398,591.35	\$555,362.72	\$954,879.58	\$91,840.70
ENGINEERING					
(8) DESIGN @ 10%	\$80,629.17	\$14,772.60		\$56,672.50	\$9,184.07
(9) CONSTRUCTION @ 8% (SAP 027-712-001)	\$80,567.18			\$73,740.92	\$6,826.26
(10) CONSTRUCTION @ 8% (SAP 027-712-004)	\$520. <del>9</del> 9				\$520.99
SUBTOTAL	\$161,717.34	\$14,772.60	\$0.00	\$130,413.42	\$16,531.33
CONSULTANT SERVICES					
FINAL DESIGN SERVICES (100% TURNBACK)	\$1,191,411.93	\$1,191,411.93			
REDESIGN FOR MOVING TRAIL (100% LONG LAKE)	\$133,001.00			\$133,001.00	
(11) ENVIRONMENTAL TESTING (100% TURNBACK)	\$200,000.00	\$200,000.00			and the second section of the second
SUBTOTAL	\$1,524,412:93	\$1,391,411.93	\$0.00	\$133,001.00	<b>\$0.00</b>
RIGHT OF WAY					
100% TURNBACK	\$985,120.00	\$985,120.00			ĺ
(12) 100% LONG LAKE	\$14,880.00			\$14,880.00	
SUBTOTAL	\$1,000,000.00	\$985,120.00	\$0:00	\$14,880.00	\$0.00
UTILITY BURIAL					
(13) BURIAL OF OVERHEAD UTILITY LINES	\$30,000.00		\$9,900.00	\$20,100.00	
SUBTOTAL	\$30,000.00	\$0.00	\$9,900.00	\$20,100.00	\$0.00
COUNTY SUPPLIED ITEMS					=-
(14) CONTROLLER & CABINETS	\$166,000.00	118,000.00	48,000.00		
SUBTOTAL	\$166,000.00	\$118,000.00	\$48,000.00	\$0.00	\$0.00

### TOTAL COST PARTICIPATION

\$15,882,804.62	\$13,907,895.88	\$613,262.72	\$1,253,274.00	\$108,372.03
	· · · · · · · · · · · · · · · · · · ·			

### NOTES

- (1) 100% TURNBACK ELIGIBLE ROADWAY ITEMS (DOES NOT INCLUDE PROPOSED UTILITIES DESIGNED BY CITY OF LONG LAKE)
  SIGNAL AT BROWN ROAD ELIGIBILITY: 50% TURNBACK, 25% HENNEPIN COUNTY STATE AID, 25% HENNEPIN COUNTY STATE AID-MUNICIPAL
  SIGNAL AT LAKE STREET ELIGIBILITY: 50% TURNBACK, 50% HENNEPIN COUNTY STATE AID-MUNICIPAL
- (2) 100% TURNBACK ELIGIBLE STORM SEWER ITEMS
- (3) 100% STATE AID ELIGIBLE (50% HENNEPIN COUNTY, 50% COUNTY STATE AID MUNICIPAL)
- (4) CITY OF LONG LAKE PROPOSED WATER ITEMS AND SANITARY SEWER ITEMS (DESIGNED BY THE CITY OF LONG LAKE)
- (5) NON-PARTICIPATING ITEMS NOT COVERED BY TURNBACK, INCLUDING ADDITIONAL LIGHTING, SIDEWALK/STREETSCAPE ENHANCEMENTS, BICYCLE FACILITY/TRAIL BETWEEN MARTHA LANE AND LAKE STREET, AND FIBER SYSTEM
- (6) CITY OF LONG LAKE MONUMENTS (100% LONG LAKE)
- (7) CITY OF LONG LAKE LED PROJECT, CITY OF ORONO WILL REIMBURSE LONG LAKE ITS PROPORTIONATE SHARE OF THE CONSTRUCTION ENGINEERING COSTS
- (8) CITY'S PROPORTIONATE SHARE OF COSTS FOR COUNTY DESIGNED ITEMS. BASED ON CITY CONSTRUCTION SHARE, EXCLUDING CONSTRUCTION COSTS ASSOCIATED WITH CITY DESIGNED UTILITIES

LONG LAKE: ((\$921,761.48 - 355,036.50) x 10%) ORONO (\$91,840.70 x 10%)

- COUNTY'S (TURNBACK ELIGIBLE) PROPORTIONATE SHARE OF COSTS FOR CITY DESIGNED UTILITY ITEMS (\$147,726 X 10%)
- (9) CITIES OF LONG LAKE'S AND ORONO'S PROPORTIONATE SHARE OF CONSTRUCTION ENGINEERING COSTS FOR CONSTRUCTION OF SAP 027-712-001 LONG LAKE: (\$921,761.48 x 8%) ORONO (\$85,328.30 x 8%)
- (10) CITY OF ORONO'S PROPORTIONATE SHARE OF CONSTRUCTION ENGINEERING COSTS FOR CONSTRUCTION OF SAP 027-712-004 (\$6,512.40 x 8%)
- (11) FOR CONTAMINATED MATERIALS TESTING/INSPECTION DURING CONSTRUCTION
- (12) FOR BICYCLE FACILITY/TRAIL BETWEEN MARTHA LANE AND LAKE STREET
- (13) FOR FULL BURIAL OF OVERHEAD UTILITIES FROM LONG LAKE TO WOLF POINTE TRAIL FINAL ESTIMATE TO BE COORDINATED WITH XCEL ENERGY
- (14) ESTIMATED COST FOR SIGNAL ITEMS TO BE SUPPLIED BY THE COUNTY

H:\Projects\8483\LA\Exce\8483\_SEQ\_Transport\_LA.xlsx SRF Consulting Group, Inc. By: AE CKD BY: MJ

### ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST Wayzata Blvd (CSAH 112) - Phase 1 Landscape Hennepin County Proj. No. 091101 (SAP 027-712-004) 100% Cost Estimate

### **EXHIBIT A**

												BASE E	BID			
						PROJEC	стт	OTAL			7-712-004 RNBACK FUND		NON PAI	RTICIPATIN	IG	
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	Ur	NIT COST	ESTI	MAT	ED		ROA	DWAY		IN CO. (33%) NO (67%)	LONG	LAKI	:O. (33%) E (67%)
						QUANTITY	Α	MOUNT	QUANTITY		AMOUNT	QUANTITY	AMOUNT	QUANTITY	<u>'                                     </u>	AMOUNT
	2021.501	MOBILIZATION	LS	\$	10,000.00	1	\$	10,000.00	0.46	\$	4,600.00	0.09	\$ 900.0		\$	4,500.00
	2540.603	LANDSCAPE EDGER	LF	\$	8.00	564	\$	4,512.00		\$		98	\$ 784.0	0 466	\$	3,728.00
1	2563.601	TRAFFIC CONTROL	LS	\$	10,000.00	1	\$	10,000.00	0.46	\$	4,600.00	0.09	\$ 900.0	0.45	\$	4,500.00
	2571.501	CONIFEROUS TREE 8' HT B&B	TREE	\$	500.00	3	\$	1,500.00	3	\$	1,500.00		\$	-	\$	
	2571.502	DECIDUOUS TREE 1.5" CAL B&B	TREE	\$	500.00	69	\$	34,500.00	69	\$	34,500.00		\$	-	\$	
	2571.503	ORNAMENTAL TREE 1.5" CAL B&B	TREE	\$	400.00	18	\$	7,200.00		\$	-	4	\$ 1,600.0	14	\$	5,600.00
	2571.505	DECIDUOUS SHRUB NO 5 CONT	SHRB	\$	50.00	110	\$	5,500,00		\$	-	17	\$ 850.0	0 93	\$	4,650,00
	2571.507	PERENNIAL NO 1 CONT	PLT	\$	20.00	593	\$	11,860.00		\$	-	120	\$ 2,400.0	0 473	\$	9,460.00
	2571.604	SPECIAL PLANTING BED PREPARATION	ŞY	\$	7.00	782	\$	5,474.00		\$	-		\$	- 782	\$	5,474,00
	2574.525	LOAM TOPSOIL BORROW	CY	\$	44.00	191	\$	8,404.00		\$	-	31.5	\$ 1,386.0	0 159.5	\$	7,018.00
	2575.555	TURF ESTABLISHMENT	LS	\$	5,000.00	1	\$	5,000.00	0.46	\$	2,300.00	0.09	\$ 450.0	0 0.45	\$	2,250.00
	2575,601	EROSION CONTROL	LS	\$	5,000.00	1	\$	5,000.00	0.46	\$	2,300.00	0.09	\$ 450.0	0 0.45	\$	2,250.00
		SUBTOTAL		\$	1	08,950.00			\$49,800.00		\$9,720.0	0		\$49,430.00		

### NOTES

(1) INCLUDES ALL ITEMS FOR TRAFFIC CONTROL, DETOURS, AND ANY OTHER ITEMS AS DEEMED NECESSARY FOR TRAFFIC CONTROL BY THE ENGINEER

### ' EXHIBIT A - ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST Wayzata Blvd (CSAH 112) - Phase 1

### Hennepin County Proj. No. 091101, SAP 027-712-001 100% Cost Estimate

													. <del></del>	BASE	BID	·······							ALTER!	NATE BID
			· · · · · · · · · · · · · · · · · · ·					SAP 027-			SAP 02	7-712-001		NON	SAP 02	7-712-001		ION	SAPA	27-712-001		ION	· N	ION
						ECT TOTAL	<u> </u>	COUNTY TUR	NBACK F	UND	07 11 02		PARTI	CIPATING	0741 02		PARTIC	CIPATING	JAP 02	21-112-001	PARTIC	CIPATING	PARTIC	CIPATING
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST		ALTERNATE	R	OADWAY	STO	RM SEWER	HENNEPI	( CO. (100%)	HENNEP	IN CO. (100%)	HENNEPI	N CO. (33%)	OBON	ID (4000/)	HENNEP	PIN CO. (33%)	LONG	AKE (100%)	LONGIA	AKE (100%)
1 1												(A)		(B)	ORON	IO (67%)	OKON	IO (100%)	LONG	LAKE (67%)	LONG	AKE (100%)	LONG LA	ING (100%)
			10		QUANTITY		QUANTITY		QUANTITY			AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
$\vdash$	2011.601	VIBRATION MONITORING  GROUND WATER TREATMENT SYSTEM	LS LS	\$ 17,000.00 \$ 10,000.00	1	\$ 17,000.00 \$ 10,000,00	0.5	\$ 17,000.00 \$ 5.000.00	<u> </u>	\$ <u>-</u>		\$ - \$ -	1	\$ -		<u>\$</u>		\$ -		\$ -	2.5	\$ -		\$ -
	2021.501	MOBILIZATION	LS	\$ 500,000.00	1	\$ 500,000.00	0.83	\$ 415,000.00	0.07	\$ 35,000.00	0.01	\$ 5,000,00	0.01	\$ 5,000,00	0.01	\$ 5,000,00		\$ -	0.03	\$ 15,000,00		\$ 5,000.00 \$ 20,000.00		\$ -
	2031.501	FIELD OFFICE TYPE D	EACH	\$ 60,000.00	1	\$ 60,000.00	0.83	\$ 49,800.00	0.07	\$ 4,200.00	0.01	\$ 600.00	0.01	\$ 600.00		\$ 600.00		\$ -	0.03	\$ 1,800.00	0.04	\$ 2,400.00		\$ -
	2031.503	FIELD LABORATORY TYPE D	EACH	\$ 15,000.00	1	\$ 15,000.00	0.83	\$ 12,450.00	0.07	\$ 1,050.00	0,01	\$ 150.00	0.01	\$ 150.00	0.01	\$ 150.00		\$ -	0.03	\$ 450.00		\$ 600.00		\$ -
	2101.501	CLEARING	ACRE TREE	\$ 5,000.00 \$ 200.00	1.8 102	\$ 9,000.00 \$ 20,400.00	1.8 81	\$ 9,000.00 \$ 16,200.00	<u> </u>	\$ -	ļ <u>.</u>	<u>\$</u>	<del> </del>	\$ -	<u></u>	\$ -		\$		\$ -		\$ -		\$ -
	2101.502 2101.506	CLEARING GRUBBING	ACRE	\$ 3,000.00	1.8	\$ 5,400.00	1.8	\$ 16,200.00		8 -	-	\$ -	<del> </del>	\$ - \$ -	<del> </del>	\$ - e	<del> </del>	\$ <u>-</u>	ļ	<del>S -</del>	21	\$ 4,200.00 \$ -		\$ -
	2101.507	GRUBBING	TREE	\$ 150.00	102	\$ 15,300.00	81	\$ 12,150.00		\$ -	•	\$ -	<del>                                     </del>	\$ -	<del>                                     </del>	\$ -	<del>-</del>	\$		\$ -	21	\$ 3,150,00	-	<u> </u>
	2102.501	PAVEMENT MARKING REMOVAL	\$ F	\$ 2.50	620	\$ 1,550.00	620	\$ 1,550.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	$\overline{}$	\$ -
	2102.502	PAVEMENT MARKING REMOVAL	LF_	\$ 1.00	3940	\$ 3,940.00	3940	\$ 3,940.00		\$ -	1	\$ -		\$ -		\$ -		\$		\$ -		\$ -		\$ -
	2104.501 2104.501	REMOVE WATER MAIN REMOVE SEWER PIPE (STORM)	LF LF	\$ 10.00 \$ 10.00	3177 7153	\$ 31,770.00 \$ 71,530.00	115 7153	\$ 1,150.00 \$ 71,530.00		\$ -	-	\$ <u>-</u>	<u> </u>	\$ - \$ -	<del>                                     </del>	\$ -		\$ -		\$ -	3062	\$ 30,620.00		\$ -
	2104.501	REMOVE SEWER PIPE (STORIN)  REMOVE SEWER PIPE (SANITARY)	LF	\$ 10.00	1847	\$ 18,470.00	896	\$ 8,960.00	<del></del> -	\$ -	<del>•                                      </del>	\$ -	1	\$ - \$ -		\$ -	<del>  , - </del>	\$ - \$		\$ - \$ -	951	\$ 9,510.00		_\$ - S -
	2104.501	REMOVE CURB	(P) LF	\$ 9.00	15	\$ 135.00	15	\$ 135,00		\$ -	<u> -</u>	\$ -		\$ -	-	\$ -	+	<u> </u>		\$ -	251	\$ 5,010.00	<del> +</del>	\$ -
	2104.501	REMOVE CURB & GUTTER	(P) LF	\$ 3.00	13105	\$ 39,315.00	12670	\$ 38,010.00		\$ -		\$ -		\$ -		\$ -		\$ -	25	\$ 75.00	410	\$ 1,230.00		\$
	2104.501	REMOVE BITUMINOUS CURB	LF	\$ 1.50	270	\$ 405.00	270	\$ 405.00		\$ -	ļ	\$ -		\$ -		\$ -		\$		\$ -		\$ -		\$ -
<b>  </b>	2104.501	REMOVE RETAINING WALL REMOVE WOOD RETAINING WALL	LF LF	\$ 15.00 \$ 7.00	300 85	\$ 4,500.00 \$ 595.00	300 85	\$ 4,500.00 \$ 595.00	-	\$ - \$ -	ļ	<u>\$</u> -		\$ -	-	\$ -		\$ -		\$ -		\$ -		\$ -
<del></del>	2104.501	REMOVE STONE RETAINING WALL	LF	\$ 7.00		\$ 334.00		\$ 334.00		\$ -	!	\$ - \$ -	<del> </del>	\$ -	<del></del>	\$ - \$ -	+	\$ - \$ -	ļ <u></u>	\$ -		\$ ~		\$ - \$ -
<del>                                     </del>	2104.501	REMOVE GUARDRAIL	LF	\$ 4.00		\$ 376.00		\$ 376.00		\$ -	+ +	\$ -	<u> </u>	\$ -		\$ -	+	\$ - \$ -	<del>                                     </del>	\$ - \$ -	-	\$ - \$ -		\$ -
	2104,501	REMOVE CABLE GUARDRAIL	(P) LF	\$ 3.00	1644	\$ 4,932.00	1644	\$ 4,932.00		\$ -		\$ -		\$ -	1	\$ -	+	\$ -		\$ -	-	\$ -		\$
	2104,501	REMOVE GUARDRAIL-PLATE BEAM	LF	\$ 4,00	987.5	\$ 3,950.00	987.5	\$ 3,950.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$
	2104.501	REMOVE SANITARY SERVICE PIPE	LF LF	\$ 10.00 \$ 10.00	120 181	\$ 1,200.00 \$ 1,810.00	105	\$ 1,050.00	<u> </u>	\$ - s -		\$ -	<del> </del> -	\$ -	+	\$ -	<del>                                     </del>	\$ -		\$ -	15	\$ 150.00	_	\$ -
	2104.501	REMOVE WATER SERVICE PIPE REMOVE BOX CULVERT	(P) LF	\$ 60.00	154	\$ 9,240.00	154	\$ 9.240.00		\$ -   \$ -	-	\$ - \$ -		\$ - \$ -	-	<u>\$</u> -		\$ -		\$ -	181	\$ 1,810.00	_	\$ -
	2104.503	REMOVE BITUMINOUS WALK	(P) SF	\$ 0.70	850	\$ 595.00	850	\$ 595.00		<del>s</del> -		\$ -	<del></del> -	\$ -		\$ -	<del></del>	\$ - \$ -	-	\$ - \$ -		\$ -		\$ -
	2104.503	REMOVE CONCRETE WALK	(P) S/F	\$ 0.80	67480	\$ 53,984.00	65420	\$ 52,336.00		\$ -		\$ -		\$ -		\$ -	<del></del>	\$ -	130	\$ 104.00	1930	\$ 1,544.00		\$ -
	2104.503	REMOVE CONCRETE MEDIAN	(P) SF	\$ 4.00	2370	\$ 9,480.00	2370	\$ 9,480.00		\$ -		\$ -		\$ -		\$ -	1 1	<u> </u>	1.22	\$ -	,,,,,	\$ -		\$ -
<u> </u>	2104.503	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	(P) SF	\$ 0.80	35290	\$ 28,232.00	34975	\$ 27,980.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	315	\$ 252.00		\$ -
-	2104.505 2104.505	REMOVE PAVEMENT REMOVE BITUMINOUS PAVEMENT	(P) SY	\$ 11.00 \$ 5.00	25700 24805	\$ 282,700.00 \$ 124,025,00	25700 24700	\$ 282,700.00 \$ 123,500.00		\$ -		\$ - \$ -		\$ -	<u> </u>	\$ -		\$ -		\$ -		\$ -		\$ -
	2104.509	REMOVE PIPE APRON	EACH	\$ 250.00	7	\$ 1,750.00	7	\$ 1,750.00		\$ -		\$ -	_	\$ - \$ -		\$ - \$ -	+	\$ - \$ -	5	\$ 25.00	100	\$ 500,00 \$ -		\$ - \$ -
	2104.509	REMOVE ANCHORAGE ASSEMBLY-PLATE BEAM	EACH	\$ 250.00	1	\$ 250.00	1	\$ 250.00		\$ -		\$ -		\$ -	<del> </del>	\$ -		\$ -		\$ -		\$ -		\$ -
	2104.509	REMOVE LIGHTING UNIT	EACH	\$ 300.00		\$ 1,800.00	6	\$ 1,800.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	· · · · · · · · · · · · · · · · · · ·	\$ -	-	\$ -
	2104.509	REMOVE STONE PILLAR	EACH	\$ 200.00	2	\$ 400.00		\$ 400.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
<u> </u>	2104.509	REMOVE FLAGPOLE	EACH EACH	\$ 150.00 \$ 500.00	12	\$ 450.00 \$ 6,000.00		\$ 450.00 \$ 3.500.00		\$ -		<u>s</u> -	<u> </u>	\$ -		\$ -	<del>  </del>	\$ -	_	\$ -		\$		\$
1	2104.509 2104.509	REMOVE MANHOLE REMOVE CASTING	EACH	\$ 140.00	3	\$ 6,000.00	<del></del>	\$ 3,500.00 \$ 420.00	<del> -</del>	\$ - \$ -		\$ - \$ -		<u>\$</u> -	-	<u>\$ -</u>	1	\$ 500.00	ļ	\$ -	4	\$ 2,000.00		\$
<del> </del>	2104.509	REMOVE GATE VALVE	EACH	\$ 150.00	1	\$ 150.00		\$ -		\$ -		\$ -		s -	<del>                                     </del>	\$ -	+	\$		\$ - \$ -	1	\$ - \$ 150.00		\$ -
<b>—</b>	2104.509		EACH	\$ 200.00	29	\$ 5,800.00	В	\$ 1,600.00	<del>-</del>	\$ -		\$ -		\$ -		\$ -	1	\$ -		\$ -		\$ 4,200.00		\$ -
	2104.509	REMOVE CURB STOP & BOX	EACH			\$ 675.00		\$ -		\$ -		\$ -	· · · · · ·	\$ -		\$ -		\$ -		\$ -		\$ 675.00		\$ -
		REMOVE HYDRANT	EACH			\$ 6,000.00	9		<u> </u>	\$ -		\$ -		\$ -	<del>                                     </del>	\$ -	1	\$ -		\$ -	l	\$ 1,500.00		\$
2		REMOVE DRAINAGE STRUCTURE	EACH EACH	-\ <u>-</u>	68	\$ 34,000.00	68	-	<del> </del>	\$ -		\$ -	ļ .	\$ -		\$ -	<del></del>	\$ -		\$ -		\$ -		\$
<u> </u>	2104.509 2104.509	REMOVE SIGN REMOVE SIGN TYPE C	EACH			\$ 300.00 \$ 4,242.00	101			\$ -	+	\$ <u>-</u>	<del> </del>	\$ - \$ -		\$ - \$ -	<del>  -  </del>	\$ - \$ -	<del> </del>	\$ -		\$ -		\$ -
<del></del>	2104.509			\$ 7,000.00		\$ 7,000.00		\$ 7,000.00	<del>                                     </del>	\$ -		\$ -	<del>† -</del>	\$ -	<del></del>	\$ - \$ -	<del>                                     </del>	\$ <u>-</u>	<del> </del>	\$ - \$ -		\$ - \$ -		\$
	2104.509		EACH	\$ 7,000.00	1	\$ 7,000.00	1	\$ 7,000.00		\$ -		\$ -		\$ -	<del></del>	\$ -	<del>                                     </del>	\$ -	<del> </del>	\$ -		\$ -		\$
	2104.509	The state of the s	EACH	\$ 7,000.00		\$ 7,000.00	1	\$ 7,000.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
	2104,509		EACH	\$ 400.00		\$ 15,600.00		\$ 15,200.00		\$ -	ļ	\$ -	<u> </u>	\$ -	<del>                                     </del>	\$ -	<del></del>	\$ -		\$ -	1	\$ 400.00		\$
<u> </u>	2104.509	REMOVE ENERGY ABSORBING TERMINAL SAWING BIT PAVEMENT (FULL DEPTH)	EACH L F	\$ 500.00 \$ 2.50		\$ 1,500.00 \$ 12,350.00	3 4440	\$ 1,500,00 \$ 11,100,00		\$ - \$ -	<del>                                     </del>	\$ - \$ -	<del> </del>	\$ -		<u>\$</u>		\$ -		\$ -		\$ -		\$ -
<u> </u>	2104.513		LF			\$ 1,150.00	70	\$ 11,100.00	<del>  -</del>	\$ -	<del>   </del>	\$ - \$ -	<del> </del>	\$ -		<u>s</u> -	<del></del>	\$ - \$ -	30	\$ 75.00 \$ -	<del></del>	\$ 1,175.00 \$ 1,150.00		\$ - \$ -
	2104.521		LF			\$ 750.00	15	<u> </u>	<del>                                     </del>	\$ -	<del>  -  </del>	\$ -		\$ -	<del></del>	<u>\$</u> -	<del>  -</del> -	\$ - \$ -		\$ - \$ -	115	\$ 1,150.00 \$ -		\$ - \$ -
	2104.521		LF	\$ 3.00		\$ 975.00	325	\$ 975.00		\$ -		\$ -		\$ -		\$ -		\$ -	-	\$ -		\$ -		\$ -
		SALVAGE HYDRANT	EACH			\$ 400.00		\$ 400.00		\$		\$ -	<u></u>	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
<u> </u>	2104.523		EACH	\$ 800.00	1	\$ 800.00	<del> </del>	\$ 800,00		\$		\$ -	ļ	\$ -	1	\$ -	<del> </del>	\$ -		\$ -		\$ -		\$ -
<u> </u>	2104.523		EACH EACH	\$ 150.00 \$ 400.00		\$ 1,200.00 \$ 800.00	_	\$ 1,200.00 \$ 800.00		\$ <u>-</u>	+	\$ -	<del> </del>	\$ -	<del></del>	\$ -	<del> </del>	\$ -		\$ -		\$ -		\$ -
<b> </b>	2104.523	SALVAGE LIGHTING UNIT SALVAGE SIGN TYPE C	EACH	\$ 45.00			<del> </del>	\$ 675.00		\$ -	<del></del>	\$ - \$ -		\$ - \$ -		\$ -	<del></del>	\$ -	ļ	\$ -		\$ -		\$
		SALVAGE SIGN TYPE D	EACH			\$ 210.00	<del>                                     </del>	\$ 210.00		\$ -	<del>                                     </del>	\$ -	<del>-</del>	\$ - \$ -		\$ -	<del></del>	\$ - \$ -		\$ - \$ -	2	\$ 90.00		\$ -
	2104.525	1.00	EACH	\$ 500.00	4	\$ 2,000.00	<del> </del>	\$ 1,500.00		\$	ľ	\$ -	<u> </u>	\$ -		\$ -	<del></del>	\$ -	<del> </del>	\$ -	<del></del>	\$ 500.00		s -
	2104.601	HAUL SALVAGED MATERIAL	LS					\$ 10,000.00		\$ -		\$ -		\$ -		\$ -	<del></del>	\$ -		\$ -		\$ -		\$ -
	2104.602	SALVAGE SIGN SPECIAL	EACH	\$ 80.00	8	\$ 640.00	8	\$ 640.00	L	\$ -		\$ -		\$		\$ -		\$ -		\$ -		\$ -		\$ -

Hennepin County Agreement PW 25-32-16 Exhibit "A", Sheet 3 of 8

### \* EXHIBIT A - ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST Wayzata Blvd (CSAH 112) - Phase 1

### Hennepin County Proj. No. 091101, SAP 027-712-001 100% Cost Estimate

												<del></del>		BASE	BID							_	ALTERN	VATE BID
								SAP 027	-712-001		CARO	7 740 004	4	NON	1		I	ION	Τ.		l N	ŌN		ION
				1	PROJECT TO	TAL		COUNTY TUP	NBACK F	JND	5AP 02	7-712-001		CIPATING	SAP 02	7-712-001		CIPATING	SAP 02	7-712-001		IPATING		CIPATING
1				1	ESTIMATE								<u>"</u>		<u> </u>	<del></del>			<del> </del>					
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	BASE+ALTERN	NATE	R	OADWAY	STOR	RM SEWER		N CO. (100%)	HENNEPI	IN CO. (100%)		IN CO. (33%)	ORON	IO (100%)		N CO. (33%)	LONGLA	KE (100%)	LONG LA	AKE (100%)
i 1											'	(A)		(B)	ORON	NO (67%)		(,	LONGL	AKE (67%)	201102	u (10070)	1	442 (100%)
$\longrightarrow$							YTITMAUC	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
		ABANDON GATE VALVE	EACH	\$ 1,000.00		2,000.00		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ 2,000.00		\$ -
		ABANDON STORM SEWER	L.F	\$ 25.00		3,850.00	154	\$ 3,850.00	)	\$ -	<del></del>	\$ -		\$ -		\$ -		\$ -		\$ -	T	\$ -		\$ -
	2104.603	ABANDON PIPE SEWER	LF LF	\$ 5.00		1,000.00		\$ -		\$ -	. <del> </del>	\$	<u> </u>	\$		\$ -	200	\$ 1,000.00	)	\$ -		\$ -		\$ -
		ABANDON WATER MAIN SALVAGE RANDOM RIPRAP	LF CY	\$ 3.00 \$ 30.00	1184 \$ 40.9 \$	1,227.00		\$ -	40.0	\$ -		\$ -	<u> </u>	\$ -	<del>+</del>	\$ -	<u> </u>	\$ -		\$ -	1184	\$ 3,552.00		\$ -
		DEWATERING	LS	\$ 100,000,00		00,000.00	1	\$ 100,000,00	40.9	\$ 1,227.00		\$ - \$ -	<del>                                     </del>	\$ -	<del> </del>	\$ -	<u> </u>	\$ -		\$ -		\$	<del></del>	<u>s</u> -
		PIEZOMETER	EACH	\$ 2,000.00	4 8	8,000.00	4	\$ 8,000.00		\$ -		\$ - \$ -	<del> </del>	\$	<del></del>	\$ - \$ -		\$ -	<u> </u>	<u>\$</u> -		\$ -		\$ -
<del></del>		SETTLEMENT PLATES	EACH	\$ 300.00	6 \$	1,800.00		\$ 1,800.00	<del></del>	s -	<del></del>	_ <del></del>	+	\$	+ +	\$ -	<del></del> -	\$ -		\$ -		\$ -	<del></del>	\$
$\vdash$		GEOTEXTILE FABRIC SPECIAL	SY	\$ 5.00	2975 \$	14,875.00	2975	1	<del></del>	\$ .		\$ -	1	\$ -	+	S	1	<u>\$</u> -	-	\$ - \$ -	+ +	\$ - \$ -	<del></del>	\$ - \$ -
	2105.604	GEOTEXTILE FABRIC TYPE VI	SY	\$ 3.50	55060 \$ 19	92,710.00	55060	\$ 192,710.00	)	\$ -	+-+	\$		\$ -	<del></del>	\$ -	<del> </del>	\$ -	1	\$ -	+	\$	<b></b>	\$ -
	2105.607	EXCAVATION SPECIAL	CY	\$ 10.00	14810 \$ 14	48,100.00	14810	\$ 148,100.00		\$ -		\$ -		\$ -	<del></del>	\$ -	<del></del>	\$ -		\$ -	<del>                                     </del>	\$		\$ .
	2105.607	EXCAVATION SPECIAL 1	CY	\$ 30.00	2400 \$	72,000.00	1770	\$ 53,100.00		\$ -		\$ -		\$ -	+ +	<u> </u>	<del>} -</del>	\$ -	<del> </del>	\$ -	630	\$ 18,900.00		<u>s</u> -
9	2105.607	STRUCTURAL SOIL BORROW (CV)	CY	\$ 125.00	83 \$	10,375.00	83	\$ 10,375.00	)	\$ -		\$ -		\$ -	1	\$ -	-}	\$ .	-	\$ -		\$ -		\$ -
		HAUL & DISPOSE OF CONTAMINATED MATERIAL	TON	\$ 30.00	<u> </u>	23,000.00	3000	\$ 90,000.00		\$ -		\$ -		\$ -		\$ -	<del> </del>	\$ -		\$ -	1100	\$ 33,000.00	<u>,                                    </u>	\$ -
$\vdash$		DEWATERING SPECIAL 1	WEEK	<del></del>	<del></del>	21,000.00	2	\$ 7,000.00		\$ -		\$ -		\$ -		\$ -		\$ -	1	\$ -		\$ 14,000.00		\$ -
-		DEWATERING SPECIAL 2	WEEK	\$ 2,000.00	4 \$	8,000.00	4	\$ 8,000.00		\$ -	<del></del>	\$ -	<b></b> _	\$ -	<del>+</del>	\$ -		\$ -		\$ -		\$ -		\$ .
-		EXCAVATION SUBGRADE	(P) CY	\$ 8.00	·	15,208.00	26901	\$ 215,208.00		<u>-</u> \$ -	<del>-</del>	\$ -	<b></b> _	\$		\$ -		\$ -		\$ -		\$ -		\$
		EXCAVATION - SUBGRADE SELECT GRANULAR EMBANKMENT (CV)	(P) CY (P) CY	\$ 8.50 \$ 16.00		57,597.00 19,376.00	31482 32461	\$ 267,597.00		\$ -	+ +	\$	$\vdash$	\$ -		\$ -	+	\$ -		\$ -		\$ -		\$ -
-		SELECT GRANULAR EMBANKMENT MOD 7% (CV)	(P) CY	\$ 16.00		90,554.00	13611	\$ 519,376.00 \$ 190,554.00	-	\$ -	<del></del>	\$ -	<del>                                     </del>	\$ -		\$ -		\$ -		\$ -		\$ -	<b>!</b> ———	\$
	2106.522	SELECT GRANULAR EMBANKMENT MOD 17% (CV)	(P) CY	\$ 18.00		44,316.00	2462	\$ 190,354.00		\$ -	<del></del>	\$ - \$ -	$\vdash$	\$ - \$ -	<del>  </del>	\$ -	<del>                                     </del>	\$ -		\$ -		\$ -	<del></del>	\$ -
<del></del>	2106.523	COMMON EMBANKMENT (CV)	(P) CY	\$ 6.50		21,829.50	18743	\$ 121,829.50		\$ -		\$ -		\$ -	<del></del>		<del>!                                    </del>	\$ -		<u>\$</u> -		\$ -		\$ -
-	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$ 150.00		37,500.00	250	\$ 37,500.00		\$ -	<del>-</del>	<u>-</u> \$ -	<del></del>	\$ -	+	\$ -	<del>                                     </del>	\$ -	-	\$ -		\$ -	oxdot	\$ .
-		AGGREGATE BASE (CV) CLASS 6	(P) CY	\$ 27.00		04,047.00	11145	\$ 300,915.00		\$ -	+	\$ 1,431.00	<del></del>	\$ -	+	\$ -	<del>                                     </del>	\$ - \$ -	<del>   </del>	\$ -		\$ -	$\vdash$	\$ · ·
	2232.501	MILL BITUMINOUS SURFACE (2.0")	SY	\$ 8.00	480 \$	3,840.00	480	\$ 3,840.00		\$ -	+	\$ -	<del> </del>	\$ -	++	\$ -	<del>                                     </del>	- <del>-</del>	<del>                                     </del>	<b>3</b> -	63	\$ 1,701.00	<u> </u>	\$
	2360.501	TYPE SP 9.5 WEARING COURSE MIX (2,B)	TON	\$ 85.00	1105 \$ 9	93,925.00	1060	\$ 90,100.00		\$ -	† †	\$ -	<del></del>	\$ -	<del>                                     </del>	\$ -		\$ -	5	\$ 425.00	40	\$ 3,400.00		\$
	2360.501	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	\$ 72.00	9940 \$ 7	15,680.00	9940	\$ 715,680.00		\$ -		\$ -		\$ -	<del>                                      </del>	\$ -	-	\$ -	<del>                                     </del>	\$ <del>-</del>		\$ 3,400.00	I	\$
$\sqcup$	2360.502	TYPE SP 19.0 NON WEAR COURSE MIX (3,B)	TON	\$ 68.00	11770 \$ 80	00,360.00	11770	\$ 800,360.00		\$ -		\$ -		\$ -		\$ -		\$ -	_	\$ -	<del> </del>	\$ -		\$ .
-	2401.513	TYPE MOD P-4 (TL-4) BARRIER CONC (3S52)	(P) LF	\$ 90.00		56,340.00	626	\$ 56,340.00	<del>}</del>	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	<i>i</i>	\$
-	2402,583	ORNAMENTAL METAL RAILING TYPE SPECIAL 1	LF	\$ 180.00		70,100.00	945	\$ 170,100,00	<del></del>	- \$		\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		\$
-	2402,583	ORNAMENTAL METAL RAILING TYPE SPECIAL 2	LF	\$ 180.00		79,740,00	443	\$ 79,740.00		\$ -		\$		\$ -		\$		\$ -		\$ -		\$ -		\$
$\vdash$	2411.501	STRUCTURAL CONCRETE (1G52)	CY	\$ 500.00		01,000.00	402	\$ 201,000.00		<u>s</u> -	+	\$ -		\$ -	<u> </u>	<b>s</b> -		\$ -		\$ -		\$ -		\$
_	2411.501	STRUCTURAL CONCRETE (3G52) STRUCTURE EXCAVATION CLASS U	CY	\$ 850.00 \$ 20.00		46,800.00 65,960.00	408 3298	\$ 346,800.00	-	<u> </u>		\$ -		\$ -		<u> </u>		\$		\$ -		\$ -		\$
<del></del>	2411.511 2411,541	REINFORCEMENT BARS	(P) LB	\$ 20.00		63,531.25	50825	\$ 65,960.00 \$ 63,531.25	+	\$ - \$ -		\$ - \$ -	<b></b>	\$ -	+	<u>\$</u> -	<u> </u>	\$ -	<del>\</del>	<u> </u>	1 -	\$ -	L	\$
	2411.541	REINFORCEMENT BARS (EPOXY COATED)	(P) LB	\$ 1.30		48,473.10	37287	\$ 48,473.10		\$ -	+	\$ -		\$ - \$ -	<del>  </del>	<u> </u>	<del></del>	\$ -	+	<u> </u>		\$ -	-	\$
_	2411.603	INSTALL RETAINING WALL	LF	\$ 200.00		3,000.00	15	\$ 3,000.00		\$ -		\$ -	$\vdash$	\$ -	<del></del>	<u>\$</u> -		<u>\$</u> -	+ +	\$ -		\$ -		\$
<u> </u>	2411.604	REINFORCED SOIL SLOPE	SY	\$ 90.00		30,400.00	2560	\$ 230,400.00	_	\$ -		s -		\$ -	<del>   </del>	\$ -	<del></del>	\$ - \$ -		<u>\$</u> -		\$ -		\$
10	2411.618	PREFABRICATED MODULAR BLOCK WALL	(P) SF	\$ 42.00	4450 \$ 18	86,900.00	4450	\$ 186,900.00		\$ -	+	\$ -	<del> </del>	s -	<del> </del>	\$ -	<del> </del>	s -	╄	\$ - \$ -		\$ - \$ -		\$
10	2411.618	ARCH SURFACE FINISH (MULTI COLOR)	SF	\$ 5.00	3925 \$	19,625.00	3925	\$ 19,625.00		\$ -	1	<u>\$</u> -		\$ -	<del>   </del>	* -	<del></del>	\$ -		\$ -		s -		\$
10	2411.618	ARCH CONC TEXTURE (RANDOM CUT STONE)	SF	\$ 15.00	3925 \$	58,875.00	3925	\$ 58,875.00		\$ -		\$ -	-	\$ -	<del></del>	\$ -		\$ -	+ +	<u>s</u> -		\$		\$
10	2411.618	THIN BRICK VENEER	SF	\$ 30.00	432 \$	12,960.00	432	\$ 12,960.00		\$ -		\$ -		\$ -	<del> </del>	\$ -	<del>1</del>	\$ -	<del> </del>	\$ -		\$ -		\$
<b>—</b>		10X6 PRECAST CONCRETE BOX CULVERT	LF	\$ 1,000.00		16,000.00		\$ -	16	\$ 16,000.00		\$ -		\$ -		\$ -		\$ -	+ +++++++++++++++++++++++++++++++++++++	\$ -	1	\$ -		\$
		10X6 PRECAST CONCRETE BOX CULV END SECT	EACH			10,000.00		\$ -		\$ 10,000.00	<del> </del>	\$ -		\$		\$ -		\$ -		\$ -		\$ -	F	\$
		GRANULAR BEDDING (CV)	CY			5,588.00		\$ -	254	\$ 5,588.00	-	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -		5
		C-I-P CONC TEST PILE 35 FT LONG 16"	EACH			60,500.00	11	\$ 60,500.00		\$ -		\$ -	<del></del>	\$ -		\$ -		\$ -		\$ -		\$ -		\$
		PILE REDRIVING	EACH	\$ 750.00		15,750.00	21	\$ 15,750.00		\$ -	+	\$ -	<del></del>	\$ -	<del> </del>	\$ -		\$ -		\$ -		\$ -		\$
		STEEL SHEET PILING (TEMPORARY)  C-I-P CONCRETE PILING 16"	LS LF	\$ 300,000.00	<b>-</b>	00,000.00	2075	\$ 300,000.00		\$ -		\$ -	$\vdash+$	\$	<del></del>	\$ -		\$ -		\$ -		\$ -		\$
10		ROTARY BORED C-I-P CONCRETE PILING 16" INSTALLED	LF	\$ 55.00 \$ 200.00		14,125.00 32,200.00	2075 1161	\$ 114,125.00	<b> </b>	\$ -	+	\$ -		\$ -		\$ -		\$ -	ļ	\$ -		\$ -	I	\$
10		STEEL SHEET PILING (TEMPORARY)	SF		<u> </u>	43,000.00	5720	\$ 232,200.00 \$ 143,000.00		\$ -	· <del></del>	\$ - \$ -	<del></del>	\$ -	-	\$ -	<del> </del>	\$ -		\$ -		\$ -		\$
		18" GS PIPE APRON	EACH			800.00	V120	\$ 143,000.00	<del></del>	\$ 800.00	<del></del>	\$ - \$ -		\$	<del></del> +	\$ -		<u>\$</u> -	+	\$ -		\$ -		\$
		15" RC PIPE APRON				1,200.00	-	\$ -		\$ 1,200.00	<del></del>	\$ -		\$ -		\$ - \$ -	<del></del>	<u>\$</u> -	<del> </del>	<u> </u>		\$ -	<del></del>	\$
<del>                                     </del>		18" RC PIPE APRON	EACH			1,300.00		\$ -	2	\$ 1,300.00	+	<u>s</u>		\$ -	<del> </del>	\$ - \$ -	<del></del>	<u>\$</u> -		\$ -	+	\$ -	<del></del>	\$
		24" RC PIPE APRON	EACH		<del> </del>	1,500.00		\$ -		\$ 1,500.00	<del></del>	\$ -		\$ -	1 1	\$ -	<del>                                     </del>	\$ - \$ -	+	\$ <u>-</u>	- :	\$ -	<u> </u>	\$ ·
·	<del></del>	27" RC PIPE APRON	EACH	\$ 850.00	3 \$	2,550.00		\$ -		\$ 2,550.00	<del> </del>	\$ -		\$ -	<del>                                     </del>	\$ -		s -	<del>                                     </del>	\$ -	-	ф -		\$
	2501.515	36" RC PIPE APRON	EACH	\$ 1,200.00	1 \$	1,200.00		\$ -	1	\$ 1,200.00	<del> </del>	\$		\$ -	<del></del>	\$ -		\$ -	+	\$		<del>Ф -</del>		\$
	2501.525	42" SPAN GS PIPE-ARCH APRON	EACH	\$ 600.00	2 \$	1,200.00		\$ -	2	\$ 1,200.00		\$ -	-	\$ -	<del></del>	\$ -	<del></del>	\$ -	+ +	\$ -		\$		\$ .
	2501.525	65" SPAN RC PIPE-ARCH APRON	EACH	\$ 2,100.00	2 \$	4,200.00		<b>s</b> -	2	\$ 4,200.00		\$ -		\$ -	<del></del>	\$ -	<del>! </del> _	- \$ -	+	\$ -		\$ -		\$
		88" SPAN RC PIPE-ARCH APRON	EACH	<del> </del>		2,700.00		\$ -	1	\$ 2,700.00	——	\$ -	_	\$ -		\$ -		\$ -	-	\$ -		\$ -		\$ -
	<del></del>		EACH			700.00		\$ -	2	\$ 700.00		\$ -		\$ -		\$ -		\$ -	<del></del>	\$ -		\$ -		\$
1 T		TRASH GUARD FOR 24" PIPE APRON	EACH	\$ 600.00	2 \$	1,200.00		\$ -	2	\$ 1,200.00		\$ -		S -	$\overline{}$	\$ -		\$ -		•		<u> </u>		\$
	2501.602	· · · · · · · · · · · · · · · · · · ·		+			····			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Φ -	١	Ψ	( E	Φ -,		ъ -	1	<b>3</b> -		B - 1	, ,	Ψ .
	2502.521	4"TP PIPE DRAIN 4" PERF TP PIPE DRAIN	L F	\$ 7.00	220 \$	1,540.00 90,762.00	220 12966	\$ 1,540.00 \$ 90,762.00		\$ - \$ -		\$ - \$ -		\$ -	<del>                                     </del>	\$ -		\$ -	+	<del>s</del> -		\$ - \$ -		\$ -

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# EXHIBIT A - ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST Wayzata Blvd (CSAH 112) - Phase 1

### Hennepin County Proj. No. 091101, SAP 027-712-001 100% Cost Estimate

													BASE	BID		<del></del>	<del>-,</del> .				ALTERN	VATE BID
								SAP 027			SAP 027	7-712-001	NON	SARO	27-712-001	NC.	)N	CAR 007 740 0	\ <u></u>	NON	_	ON
!						ECT TOTAL TIMATED		COUNTY TUR	RNBACK FL	IND	0711 022		PARTICIPATING	SAF 02	1-1 12-001	PARTICI	PATING	SAP 027-712-0	PAR	TICIPATING	PARTIC	PATING
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST		ALTERNATE		DADWAY	етоп	M SEWER	HENNEPIN	I CO. (100%)	HENNEPIN CO. (100%)	HENNEP	IN CO. (33%)			HENNEPIN CO. (33	۷۱			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, <u> </u>					. "	JADWAT	3108	IN SEVER		(A)	(B)		NO (67%)	ORONO	(100%)	LONG LAKE (67%		3 LAKE (100%)	LONG LA	AKE (100%)
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY AMOU	IT QUANTI	Y AMOUNT	QUANTITY	AMOUNT
*	2502.602	4" TP PIPE CLEANOUT	EACH	\$ 275.00	6	\$ 1,650.00	+	\$ -		\$ -		\$ -	\$ -		\$ -	4		- \$	- 6	\$ 1,650.00		\$ -
i	2503.511 2503.511	12" CS PIPE SEWER 15" CS PIPE SEWER	LF LF	\$ 35.00 \$ 36.00	38 80	\$ 1,330.00 \$ 2,880.00	+ +	\$ - \$ -	38	\$ 1,330.00		\$ -	\$ -		\$ -		<del>`</del>	- \$	-	\$ -		\$ -
-	2503.511	18" CS PIPE SEWER	LF	\$ 40.00	33	\$ 1,320.00		<u> </u>	33	\$ 2,880.00 \$ 1,320.00	-	\$ <u>-</u>	\$ - \$ -	<del></del>	\$ -			- \$	-	\$ -	-	\$ -
	2503.511	8" PVC PIPE SEWER	LF	\$ 32.00	1507	\$ 48,224.00		\$ 20,512:00		\$ -	-	\$ -	\$		\$ -	<del>                                     </del>		- \$ - \$	- 866	\$ 27,712.00		\$ -
	2503.521	42" SPAN CS PIPE-ARCH SEWER	ĻF	\$ 150,00	90	\$ 13,500.00		\$ -	90	\$ 13,500.00		\$ -	\$ -		\$ -	<del> </del>	<del></del>	- \$	-	\$ -	<del></del>	\$ -
	2503.521	65" SPAN RC PIPE-ARCH SEWER CL IIA	LF LF	\$ 240.00 \$ 320.00	96	\$ 23,040.00		<u>\$</u> -	1 30	\$ 23,040.00	<del> </del>	\$ -	\$ -	·	\$ -		\$	- \$	-	\$ -		\$ -
	2503.521 2503.541	88" SPAN RC PIPE-ARCH SEWER CL IIA 15" RC PIPE SEWER DES 3006 CL V	LF	\$ 36.00	64 3437	\$ 20,480.00 \$ 123,732.00	<del>                                     </del>	\$ - \$	3437	\$ 20,480.00 \$ 123,732.00	1 1	\$ -	\$ -	· <del> </del> -	\$ - \$ -		<u> </u>	- \$		\$ -		\$ -
	2503.541	18" RC PIPE SEWER DES 3006	L.F	\$ 36.00	1811	\$ 65,196.00	<u> </u>	\$ -	1811	\$ 65,196,00		\$ -	5		s -	+		- \$ - \$	-	\$ -	-	\$ - \$ -
	2503.541	21" RC PIPE SEWER DES 3006	LF	\$ 40.00	946	\$ 37,840.00		\$ -	946	\$ 37,840.00	<u> </u>	\$ -	\$ -	.	\$ -	<del>    ;</del>	<del></del> -	-	-	\$ -	-	\$ -
	2503.541	24" RC PIPE SEWER DES 3008	LF	\$ 42.00	1906	\$ 80,052.00	1	\$ -	1906	\$ 80,052.00		\$ -	\$ -		\$ -		\$ -	- \$	-	s -		\$ -
	2503.541 2503.541	27" RC PIPE SEWER DES 3006 27" RC PIPE SEWER DES 3006 CL III	LF LF	\$ 44.00 \$ 50.00	103 41	\$ 4,532.00 \$ 2,050.00	+ +	\$ - \$ -	103	\$ 4,532.00		\$ -	\$ -	<u> </u>	\$ -		<u> </u>	- \$		\$ -		\$ -
	2503.541	30" RC PIPE SEWER DES 3006 CL III	LF	\$ 54.00	30	\$ 1,620.00	<del></del>	\$ -	30	\$ 2,050.00 \$ 1,620.00		\$ <u>-</u>	\$ - \$ -	<del> </del>	\$ - \$ -			- 8	-	\$ -		<u>\$ -</u>
	2503.541	30" RC PIPE SEWER DES 3006 CL IV	L.F	·\$ 70.00	299	\$ 20,930.00		\$ -	299	\$ 20,930.00		\$ -	\$ -		\$ -			- \$ - \$	-	\$ -	<del>-</del>	<u>\$</u> -
	2503,541	36" RC PIPE SEWER DES 3006	LF	\$ 70.00	5	\$ 350.00		\$ -	5	\$ 350.00		\$ -	\$ -		\$ -		<u> </u>	-   3 -   \$	-	\$ -		\$ -
	2503.541	48" RC PIPE SEWER DES 3006	LF LO	\$ 125.00	321	\$ 40,125.00	)   .	\$ -	321	\$ 40,125.00	-	\$ -	\$ -		\$		<u> </u>	- \$	-	\$ -		\$
	2503.601 2503.601	LOWER FORCEMAIN BYPASS PUMPING	LS LS	\$ 3,500.00 \$ 5,000.00	1	\$ 3,500.00 \$ 5,000.00		\$ 3,500.00 \$ 4,000.00	<u> </u>	\$ - \$ -	<del></del>	<u>\$</u> -	\$ -	·	\$ -	1	<u>-</u>	- \$	-	\$ -		\$ -
*	2503.607	RECONNECT TO EXISTING SANITARY SEWER SER	EACH	\$ 300.00	2	\$ 600.00				- <del></del>		\$ - \$ -	\$ - \$ -	.	\$ - \$ -		·	- /8	- 0.2	\$ 1,000.00		\$ -
*	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	\$ 1,500.00	6	\$ 9,000.00	1.	\$ 1,500.00	ĵ	\$ -		\$ -	\$ -		\$ -		<u> </u>	- \$ - \$	- S /55	\$ 7.500.00		<u> </u>
	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$ 700.00	8	\$ 5,600.00	<del>-</del>	\$ -	8	\$ 5,600.00		\$ -	\$ -		\$ -		·	- \$	-	\$ -		\$ -
	2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	\$ 800.00	3	\$ 2,400.00		\$ ••••••••••••••••••••••••••••••••••••	3	\$ 2,400.00		\$ -	\$ -		\$ -	- 5	\$ -	- \$	-	\$ -		\$ -
<u> </u>	2503.602 2503.603	8"X4" PVC WYE CLEAN PIPE SEWER	EACH LF	\$ 400.00 \$ 20.00	2 372	\$ 800.00 \$ 7,440.00	) 2 )	\$ 800.00 \$	<u> </u>	\$		\$ - \$ -	\$ - \$ -	·	\$ -		•	- \$	-	\$ -	_	\$ -
-	2503,603	4" PVC SANITARY SERVICE PIPE	LF	\$ 30.00	20	\$ 600.00	20	<del> </del>	)	\$ -	-	\$ -	\$		\$ -			- \$ - \$	- 372	\$ 7,440.00		\$ - \$ -
	2503.603	15" HDPE PIPE SEWER	LF	\$ 35.00	168	\$ 5,880.00		\$ -	168	\$ 5,880.00		\$ -	\$ -		\$ -			- s		\$ - \$ -		\$ -
	2503.603	18" HDPE PIPE SEWER	LF	\$ 50.00	162	\$ 8,100.00	<del></del>	\$ -	162	\$ 8,100.00		\$ -	\$ -		\$ -		3 -	- \$	-	\$ -		\$ -
-	2503,603	24" HDPE PIPE SEWER	LF LF	\$ 125.00 \$ 120.00	297 150	\$ 37,125.00 \$ 18,000.00		<u>\$</u> -	297	\$ 37,125.00		\$ -	\$ -		\$ -		<u> </u>	- \$	-	\$ -		\$ -
*	2503,603 2503,603	12" PVC CASING PIPE SPECIAL  12" PVC CASING PIPE	LF	\$ 50.00	517	\$ 25,850.00	437		i	\$ - \$ -		\$ - \$ -	\$ - \$ -		\$ - \$ -	- !	<u> </u>	- \$	- 150	\$ 18,000.00		\$ -
*	2504.601	TEMPORARY WATER SERVICE	LS	\$ 5,000.00	1	\$ 5,000.00		\$ -	*	\$ -		\$ -	\$ -		\$ -		·	- \$	- 80°	\$ 4,000.00 \$ 5,000.00		\$ - \$ -
•	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	\$ 1,500.00	. 9	\$ 13,500.00	2	\$ 3,000.00	)	\$ -		\$ -	\$ -		\$ -		<u> </u>	- \$	- 7	\$ 10,500.00	<u>-</u>	\$ -
*	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	\$ 500.00	12	\$ 6,000.00	)	\$ -		\$ -		\$ -	\$ -		\$ -		3 .	· \$	- / 12	\$ 6,000.00		\$ -
*	2504.602 2504.602	HYDRANT RELOCATE HYDRANT	EACH EACH	\$ 5,000.00 \$ 1,750.00	9	\$ 45,000.00 \$ 5,250.00	3		**	\$ - \$ -		<u> </u>	\$ -	<u> </u>	\$ -	. 8	<u> </u>	- \$	• S 4	\$ 20,000.00		\$ -
	2504.602	INSTALL HYDRANT	EACH	\$ 2,000.00	1	\$ 2,000.00	1	\$ 2,000.00	<del></del>	\$ -		\$ <u>-</u>	\$ - \$ -	<del> </del>	\$ -	1 9		-   \$		\$ -		\$ -
	2504.602	ADJUST VALVE BOX-WATER	EACH	\$ 300.00	5	\$ 1,500.00	11.00 P. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	\$ 1,500.00	<del>                                     </del>	\$ -	-	\$ -	\$ -	<del> </del>	\$ -	- 3	<u> </u>	-   8	_	\$ -		\$ - \$ -
*	2504.602	ABANDON WATER SERVICE	EACH	\$ 500.00	4	\$ 2,000.00	+ ;	\$ -		\$ -		\$ -	\$ -		\$ -	-   3	<u>-</u>	-   \$	- 40	\$ 2,000.00		\$ -
*		1" CORPORATION STOP	EACH			<del></del>		\$ -		\$ -		\$ -	\$ -		\$ -	9	•	- \$		\$ 4,000.00		\$ -
<del>  •</del>		1.5" CORPORATION STOP  4" GATE VALVE & BOX	EACH EACH	\$ 450.00 \$ 1,700.00	2			\$ - \$ -		\$ -		\$ ~	\$ -	<u> </u>	\$ -			\$		\$ 900.00		\$ -
<b>—</b>	2504.602				L	\$ 18,500.00		<del></del>	)	\$ -		\$ -	\$ - \$ -	1	\$	1 8		\$	1 11 11	\$ 1,700.00		<u>s -</u>
*	2504.602			\$ 2,000.00	11	<del></del>			+ +	\$ -		\$ -	\$ -		\$	1 - 1 8	<u> </u>	- \$ - \$		\$ 7,400.00 \$ 20,000.00		\$ - \$ -
*	2504.602	The second secon	EACH		10	<del> </del>		\$ -	+ +	\$ -		\$ -	\$ -		\$ -	3		\$	- 10	\$ 4,000.00	-	\$ -
<u> </u>	2504.602		EACH			- · · · · · · · · · · · · · · · · · · ·	<del></del>	\$ -	+	<u>\$</u> -		\$ -	\$ -		\$ -	3		- \$	- 2	\$ 1,000.00		\$ -
*	2504.603 2504.603		LF LF			\$ 9,000.00 \$ 3,200.00	·	\$ 9,000.00		\$ -		\$ - \$ -	\$		\$ -	9		\$		\$ -		\$ -
*	2504.603		LF			\$ 1,000.00	·	\$ -		\$ -		\$ -	\$ -	<del> </del>	\$ -	1 3		- \$	- 160		<u> </u>	\$ -
*	2504.603		LF			· · · · · · · · · · · · · · · · · · ·	<del></del>	\$ 4,240.00		\$ -		\$ -	\$		\$ -	1 9	·—	. 8	- 40 - 70	\$ 1,000.00 \$ 2,800.00		\$ <u>-</u>
*		8" WATERMAIN DUCTILE IRON CL 52	LF			\$ 24,750.00	7	\$ -		\$ -		\$ -	\$ -	_	\$ -	- 3		. \$		\$ 24,750.00		\$ -
*			LF LF			\$ 5,880.00			<del>}</del>	\$ -		\$ -	\$ -		\$ -	\$		\$	- 41	\$ 1,640.00		\$
	2504.603	8" PVC WATERMAIN 8" HDPE WATERMAIN (DIRECTIONAL DRILLED)	LF LF			\$ 98,090.00 \$ 66,400.00	-	\$ 21,352.00 \$ -	1	\$ - \$ -		\$ - \$ -	\$ -	_	\$ <u>-</u>	§		\$		\$ 76,738.00		5 -
	<del></del>	4" POLYSTYRENE INSULATION	SY	-		\$ 5,966.00		\$ -	57	\$ 2,166.00		\$ -	\$ -	<del>                                     </del>	\$ - \$ -	<u>\$</u>		\$ 8	- 830 - 100	\$ 66,400.00 \$ 3,800.00		\$ -
-	2504.608	The state of the s	LB	\$ 3.50	<del> </del>	\$ 10,888.50	1052	\$ 3,682.00	1	\$		\$ -	\$ -	<u> </u>	\$ -	8		\$		\$ 3,800.00		\$ -
	+	CONST DRAINAGE STRUCTURE DESIGN F	LF		1	\$ 36,375.00		\$ -	145.5	\$ 36,375.00		\$ -	\$ -		\$ -	8	<del></del>	\$	-	\$ -		\$ .
	2506.501 2506.501		LF LF		<u> </u>	\$ 27,912.50 \$ 5,225.00		\$ - \$ -	101.5	\$ 27,912.50		\$ -	\$		\$ -	\$		\$	-	\$ -		\$
<u> </u>			LF LF	-	<del></del>	\$ 5,225.00		\$ - \$ -	19 178.7	\$ 5,225.00 \$ 71,480.00		\$ -	<u> </u>	<del></del>	\$ -	\$		\$	•	\$ -		<b>.</b>
	2506.501		LF	ļ ·	1	\$ 15,487.50		\$ -	29.5	\$ 15,487.50		\$ -	\$ -	<del>                                     </del>	\$ -	8		\$ 8	-	\$ - 8 -		\$ -
	2506.501		LF			<del></del>		\$ -	21.4	\$ 14,980.00		\$ -	\$ -	<del>  -  </del>	\$ -	- s		\$	+	\$ -		\$ -
	2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-84	LF	\$ 1,200.00	6.2	\$ 7,440.00	<u>,                                     </u>	\$ -	6.2	\$ 7,440.00		\$ -	\$ -		\$ -	5		\$	-	\$ -		\$ -

### EXHIBIT A - ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST Wayzata Blvd (CSAH 112) - Phase 1 Hennepin County Proj. No. 091101, SAP 027-712-001 100% Cost Estimate

						<del></del> _			TOUM Cost Es						<del></del>							
						<del> </del>	SAP 027-	712_001			<u> </u>	BASE	BID				<del>1</del>		<del></del>	<del></del>		NATE BID
		<u> </u>			PROJECT TOTAL		COUNTY TUR		UND	SAP 02	7-712-001	NON PARTICIPATING	SAP 02	27-712-001	NON PARTICIP		SAP 02	7-712-001		ON CIPATING		ION CIPATING
i					ESTIMATED					<del> </del>	<del></del> -	TAKTION ATING	<u> </u>		FARTICIE	ATING			PARTIC	APATING	FARIIC	JIPATING
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST	BASE+ALTERNATE	R	OADWAY	STOR	RM SEWER	HENNEPI	N CO. (100%) (A)	HENNEPIN CO. (100%)		'iN CO. (33%)	ORONO (1	100%)		N CO. (33%)	LONG LA	KE (100%)	LONG LA	AKE (100%)
											(n)	(B)	ORUI	NO (67%)		,	LONG L	AKE (67%)		(100.0)		
1 *	2506.501	CONST DRAINAGE STRUCTURE DESIGN SPECIAL	LF		ANTITY AMOUNT 110 \$ 20,900,00	QUANTITY 55	AMOUNT \$ 10,450.00	QUANTITY	AMOUNT	QUANTITY		QUANTITY AMOUNT	QUANTITY	AMOUNT	QUANTITY /	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
<b>-</b> '-	2506.501	CONST DRAINAGE STRUCTURE DESIGN SPECIAL	LF		30 \$ 9,000.00	- 55	\$ -	30	\$ 9,000.00	1	\$ - \$ -	\$ - \$		\$ -	\$			\$ -	55	\$ 10,450.00		\$ -
	2506.501	CONST DRAINAGE STRUCTURE DES 54-4020	LF		39.2 \$ 14,700.00		\$ -	39.2	\$ 14,700.00		\$ -	\$ -	<del> </del> -	\$ -	<u>\$</u>	<u>.</u>		\$ -		\$ - \$ -		-\$ -
ļ	2506.501	CONST DRAINAGE STRUCTURE DES 60-4020	LF		35.2 \$ 14,960.00		\$ -		\$ 14,960.00		\$ -	\$ -		\$ -	\$	-	-	\$ -		\$ -	-	\$ -
	2506.501 2506.501	CONST DRAINAGE STRUCTURE DES 66-4020 CONST DRAINAGE STRUCTURE DES 72-4020	LF LF		6.5 \$ 3,250,00 15 \$ 9,000.00		\$ - \$ -	6.5	\$ 3,250.00	_	\$ -	\$ -		\$ -	\$	-		\$ -		\$ -		\$ -
	2506,501	CONST DRAINAGE STRUCTURE DES 72-4020	LF		7.6 \$ 6,080.00	-	s -	15 7.6	\$ 9,000.00 \$ 6,080.00		\$ <u>-</u>	\$ - \$ -		\$ - \$ -				\$ -		\$ -		\$ -
	2506.503	RECONSTRUCT DRAINAGE STRUCTURE	LF		15.1 \$ 15,785.00	34.6	\$ 12,110.00		\$ 3,675.00		\$ -	\$ -	<del> </del>	S -	\$ \$	<del>-</del>		\$ - \$ -	.	\$ - \$ -		\$ - \$ -
2	2506.516	CASTING ASSEMBLY	EACH		134 \$ 87,100.00		\$ -	134	\$ 87,100.00		\$	\$ -		\$ -	\$	-	-	\$ -		\$ -		\$ -
	2506.522 2506.602	ADJUST FRAME & RING CASTING  CONST DRAINAGE STRUCTURE DESIGN SPEC 1	EACH EACH	-	6 \$ 2,700.00 1 \$ 1,000.00	3	\$ 1,350.00	3	\$ 1,350.00		\$	\$ -		\$ -	\$	-		\$ -		\$ -		\$ -
15	2506.602	CONST DRAINAGE STRUCTURE DESIGN SPEC 2	EACH		1 \$ 65,000.00		\$ -	1	\$ 1,000.00 \$ 65,000.00		\$ <u>-</u>	<u>\$</u> -		\$ - \$ -	- \$			\$ -		\$ -		\$ -
	2506.602	CONST DRAINAGE STRUCTURE DESIGN SPEC 3	EACH		5 \$ 3,000.00		\$ -	5	\$ 3,000.00		\$ -	s -	<u> </u>	\$ -	<u>  \$</u>			\$ - \$ -		\$ -		\$ -
1, *	2506.602	CASTING ASSEMBLY SPECIAL	EACH		10 \$ 7,000.00	4 1 123 10 13	\$ 3,500.00	_	\$ -		\$ -	\$		\$ -	\$			\$ -	5	\$ 3,500.00		\$ -
1,*	2506.602	CHIMNEY SEAL RANDOM RIPRAP CLASS II	EACH C Y		10 \$ 2,500.00 28.6 \$ 11,574,00	5	\$ 1,250.00	100.0	\$ -		<b>s</b>	\$ -		\$ -	\$			\$ -		\$ 1,250:00	_	\$ -
14	2511.501 2511.501	RANDOM RIPRAP CLASS II	CY		28.6 \$ 11,574,00 189.2 \$ 218,920.00	2179.3	\$ - \$ 217,930.00		\$ 11,574.00 \$ 990.00	+	\$ - \$	\$ -	-	\$ -	\$			\$ -		\$ -		\$ -
	2511.501	RANDOM RIPRAP CLASS IV	CY		96.7 \$ 10,637.00		\$ 10,637.00	5.5	\$ -	+	\$ -	<u> </u>	-	\$ -	\$			\$ - \$ -		\$ -		\$ -
	2511.515	GEOTEXTILE FILTER TYPE IV	SY		203 \$ 3,609.00		\$ -	1203	\$ 3,609.00		\$ -	\$ -		\$ -	\$			φ - \$ -		\$ <u>-</u>		\$ -
	2511.602	PLACE BOULDER	EACH:		8 \$ 1,000.00	8	\$ 1,000.00		\$ -		\$ -	\$ -		\$ -	\$			\$ -		\$ -		\$ -
14	2511.607 2520.501	INSTALL RANDOM RIPRAP	CY		10.9 \$ 2,045.00 75 \$ 18,750.00	75	\$ 18,750.00	40.9	\$ 2,045.00		\$ -	\$ -		\$ -	\$			\$ -	-	\$ -		\$ -
4.*	2520.607	BENTONITE POWDER BACKFILL	CY		19.2 \$ 4,800.00		\$ 1,300.00		\$		\$ -	\$ <u>-</u>	<del> </del>	\$ - \$ -	\$ \$	-		\$ -		\$ -		\$ -
	2521,501	4" CONCRETE WALK	SF	\$ 4.50 50	0450 \$ 227,025.00	47870	\$ 215,415.00		\$ -		\$ -	\$ -	_	\$ -	- P			\$ -	2580	\$ 3,500.00 \$ 11,610.00		\$ - \$ -
ļ	2521.501	6" CONCRETE WALK	SF		100 \$ 44,375.00	5800	\$ 36,250.00		\$ -	630	\$ 3,937.50	\$ -	<u> </u>	\$ -	\$	-	120	\$ 750.00	550	\$ 3,437.50		\$ -
<b>—</b>	2521.511 2521.618	3" BITUMINOUS WALK SPECIAL SURFACE TREATMENT TYPE 1	S F		2680 \$ 105,360.00 2528 \$ 38,112.00	37730	\$ 75,460.00 \$ -		\$ - \$ -	13760	\$ 27,520.00	<u>s</u> -		\$ -	\$	-		\$ -	1190	\$ 2,380.00		\$ -
3 & 9	2521.618	SPECIAL SURFACE TREATMENT TYPE 2	S F		006 \$ 42,036,00	<del></del>	\$ -		\$ - \$ -		\$ <u>-</u>	\$ <u>-</u>	526	\$ - \$ 3,156,00	\$			\$ 38,112.00		<u>\$</u> -		\$ -
	2531.501	CONCRETE CURB & GUTTER DESIGN B424	LF	\$ 16.00 1	390 \$ 22,240.00	1390	\$ 22,240.00		\$ -	<del>                                     </del>	\$ -	8 -	320	\$ 3,130,00	\$ \$		6480	\$ 38,880.00		\$ - \$ -		\$ - \$ -
	2531.501	CONCRETE CURB & GUTTER DESIGN B612	LF		700 \$ 23,800.00	1700	\$ 23,800.00		s -		\$ -	_ \$ -		\$ -	\$	•		\$ -		\$ -		\$ -
	2531.501 2531.501	CONCRETE CURB & GUTTER DESIGN B618  CONCRETE CURB & GUTTER DESIGN B624	LF LF		435 \$ 7,395.00 2360 \$ 185,400.00	130 12330	\$ 2,210.00		\$ -		\$ -	<b>s</b> -		\$ -	\$	-	25	\$ 425,00	280	\$ 4,760.00		\$ -
9	2531.501	CONCRETE CORB & GOTTER DESIGN B624  CONCRETE CURB DESIGN SPECIAL	LF		88 \$ 4,400.00	12330	\$ 184,950.00 \$ -		\$ - \$ -	<del>                                     </del>	\$ -: \$ -	\$ - \$ -		\$	\$	•		\$ -	30	\$ 450.00		\$ -
	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SY		310 \$ 91,700.00	1200	\$ 84,000.00		\$ -		\$ -	S -	<del></del>	\$ -	\$ \$		88	\$ 4,400.00	110	\$ 7,700.00		\$ -
	2531.603	CONCRETE CURB DESIGN V	LF		100 \$ 2,400.00	100	\$ 2,400,00		\$ -		\$ -	\$ -		\$ -	\$	-		\$ -	- 10	\$ 7,700.00	<u> </u>	\$ -
ļ	2531.618	TRUNCATED DOMES PORTABLE PRECAST CONC BARRIER DES 8337	SF LF		529 \$ 23,902.00	500	\$ 19,000.00		\$ -	73	\$ 2,774.00	\$ -		\$ -	\$	-	12	\$ 456.00	44	\$ 1,672.00	_	\$ -
-	2533.507 2533.508	RELOCATE PORT PRECAST CONC BARRIER DES 8337	LF		170 \$ 80,210.00 810 \$ 19,240.00	6170 4810	\$ 80,210.00 \$ 19,240.00	_	\$ -		\$ - \$ -	\$ -		\$ -	\$	-		\$ -		\$ -		\$ -
	2540.602		EACH	\$ 150.00	1 \$ 150.00	1	\$ 150.00		\$ -		\$ -	\$ -	-	\$ -	\$ \$	-		\$ -		<u>\$</u> -		\$ <u>-</u>
		INFORMATION SIGN SPECIAL			11 \$ 110.00		\$ -	11	\$ 110.00		\$ -	\$ -		\$ -	\$	-	_	\$ -		\$ -		\$ -
9	2540.602	· · · · · · · · · · · · · · · · · · ·			2 \$ 76,000.00		\$ -	_	\$ -		\$ -	\$ -		\$ -	\$	-		\$ -		\$ -	2	\$ 76,000.00
	2545.511 2545.511		EACH		2 \$ 1,500.00 16 \$ 97,056.00	15	\$ 90,990.00		\$ <u>-</u>	<del>  -</del>	\$ - \$ -	\$ - \$ -	<del>                                     </del>	\$ -	\$	-		\$ -		\$ -	2	\$ 1,500.00
<del></del>	1	LIGHTING UNIT TYPE SPECIAL 2	EACH		19 \$ 128,563.50	"	\$ 50,880.00	-	\$ -	12	\$ 81,198.00	\$ -	<del>                                     </del>	\$ - \$ -	<u>\$</u>	-		\$ 6,066.00 \$ 47,365.50	<del></del>	\$ - \$ -		\$ -
	2545.511	LIGHTING UNIT TYPE SPECIAL 3	EACH		21 \$ 155,862.00	13	\$ 96,486.00		\$ -		\$ -	\$ -	7	\$ 51,954.00		-		\$ 47,365.50 \$ 7,422.00		\$ - \$ -		\$ -
	2545.515	<del>der over er e</del>	EACH		55 \$ 41,910.00	27	\$ 20,574.00		\$ -		\$ -	\$ -	<del></del>	\$ 5,334.00	\$	-	_	\$ 16,002.00		\$ -		\$ -
<b></b>	2545.515 2545.515		EACH EACH		1 \$ 762.00 2 \$ 1,962.00	-	\$ 762.00 \$ 1,962.00		\$ -	├	\$ -	\$ -	<del> </del>	\$ -	\$	-		\$ -		\$ -		\$ -
	2545.515	{	EACH		2 \$ 880.00		\$ -		\$ -	†	\$ -	\$ - \$ -	-	<u>s</u> -				\$ - S		\$ - \$ -	2	\$ - \$ 880.00
	2545.521	2" RIGID STEEL CONDUIT	LF		164 \$ 3,444.00		\$ 1,575.00		\$		\$ -	\$ -	89	\$ 1,869.00	\$	-		\$ -		\$ - \$ -		\$ 880.00
-	2545.523				1289 \$ 50,800.50	6894	\$ 31,023.00		\$ -		\$ -	\$ -	1710	\$ 7,695.00	\$			\$ 11,466.00		\$ -	137	\$ 616.50
	2545.523 2545.531	0.5" NON-METALLIC CONDUIT UNDERGROUND WIRE 1 COND NO 2			127 \$ 812.80 611 \$ 1,527.50	300	\$ - \$ 750.00		\$ - \$ -	<del>                                     </del>	\$ -	\$ -		s -	\$			\$ -		\$ -	127	\$ 812.80
	2545.531	UNDERGROUND WIRE 1 COND NO 4			7472 \$ 139,955.20	30195	\$ 48,312.00		\$ -	<del>                                     </del>	\$ -	\$ - \$ -		\$ 777.50 \$ 11,939,20	7462 \$			\$ -		\$ -	790	\$ -
	2545.531	UNDERGROUND WIRE 1 COND NO 10		\$ 1.00 7	711 \$ 711.00		\$ -		\$ -		\$ -	\$ -	, 702	\$ -	7462 \$			\$ 18,275.20 \$ -		\$ 48,312.00 \$ -		\$ 1,177.60 \$ 711.00
<u> </u>	2545.541		EACH		2 \$ 11,260.00		\$ 5,630.00		\$ -		\$ -	\$ -	1	\$ 5,630.00	\$			\$ -		\$ -		\$ -
	2545.541 2545.545		EACH EACH		1 \$ 6,115.00 3 \$ 2,175.00	2	\$ 6,115.00 \$ 1,450.00		\$ - \$ -	<del>  </del>	\$ -	\$ -		\$ -	\$	-		\$ -		\$ -		\$ -
	2545.543		EACH		20 \$ 35,200.00		\$ 1,450.00		\$ -	<del>                                       </del>	\$ - \$ -	\$ - \$ -		\$ 725.00 \$ 1,760.00	\$ \$			\$ -		\$ -	_	\$ -
	2545.602		EACH		2 \$ 920.00		\$ 920.00		\$		\$ -	\$ -	<del>- ' -</del>	\$ 1,760.00	<u> </u>			\$ 10,560.00 \$		\$ - \$ -	<del></del>	\$ -
	2545.602		EACH		16 \$ 23,520.00	.,	\$ -		\$ -		\$ -	\$ -		\$ -	\$			\$ -	i	\$ 23,520.00	-	\$ -
<del></del> -	2545.602 2545.602	# P	EACH EACH		19 \$ 5,510.00 21 \$ 19,110.00		\$ - \$ -		<u>*</u>		\$ -	\$ -		\$ -	\$	-		\$ -		\$ 5,510.00		\$ -
	2545.602		L F		21 \$ 19,110.00 87.5 \$ 13,650.00	487.5			\$ -	<del>                                     </del>	\$ - \$ -	\$ -		\$ -	7 \$	6,370.00		\$ -		\$ 12,740.00		\$ -
L			1		1 2 10,000.00	.55	+ 10,000.00			<del></del>	Ψ			\$ -	\$	-		\$ -		\$ -		\$ -

2582 501 PAVT MSSG FPOXY

2582.501 PAVT MSSG PREF THERMO GR IN

SF

SF

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980

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15,680.00

120

900

### EXHIBIT A - ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST Wayzata Blvd (CSAH 112) - Phase 1 Hennepin County Proj. No. 091101, SAP 027-712-001

### 100% Cost Estimate BASE BID ALTERNATE BID SAP 027-712-001 NON NON NON NON SAP 027-712-001 SAP 027-712-001 SAP 027-712-001 COUNTY TURNBACK FUND PROJECT TOTAL PARTICIPATING **PARTICIPATING** PARTICIPATING **PARTICIPATING ESTIMATED** BASE+ALTERNATE HENNEPIN CO. (100%) HENNEPIN CO. (100%) HENNEPIN CO. (33%) NOTES ITEM NO UNIT UNIT COST ITEM DESCRIPTION HENNEPIN CO. (33%) ROADWAY STORM SEWER ORONO (100%) LONG LAKE (100%) LONG LAKE (100%) ORONO (67%) LONG LAKE (67%) QUANTITY AMOUNT AMOUNT QUANTITY AMOUNT EACH \$ 2554.509 GUIDE POST TYPE B 50.00 30 1,500.00 30 1,500.00 5 \$ 12 00 2554.511 INSTALL TRAFFIC BARRIER DESIGN B8338 LF S 325 \$ 3.900.00 325 \$ 3,900.00 \$ \$ \$ S ANCHORAGE ASSEMBLY - PLATE BEAM EACH 600.00 1 600.00 600.00 2554.521 \$ \$ l s \$ 2554,523 END TREATMENT-TANGENT TERMINAL EACH \$ 2,500,00 is: 2.500.00 2.500.00 \$ \$ 2554.602 INSTALL ANCHOR ASSEMBLY-PLATE BEAM 500.00 500.00 500.00 1 \$ \$ \$ æ. 2554.615 IMPACT ATTENUATOR AMRY \$ 1.800.00 20 \$ 36,000,00 20 36,000.00 | \$ \$ \$ 2554.615 RELOCATE IMPACT ATTENUATOR AMBY 500.00 26 13,000.00 26 13,000.00 \$ \$ **Q** \$ \$ S 11 WIRE FENCE DESIGN 48V-9322 LF 30.00 1470 \$ 44,100.00 1470 \$ 44,100.00 2557.501 \$ \$ \$ \$ S S 2557.523 METAL BRACE ASSEMBLY-CHAIN LINK FENCE EACH 300.00 8 2,400.00 \$ 8 2,400.00 S \$ \$ \$ 2557.527 ELECTRICAL GROUND FACH \$ 120.00 1 1.5 120.00 120.00 \$ 5 l \$ - 8 \$ LF 50.00 128 \$ 6,400.00 2557.603 | WOODEN FENCE 9 \$ s l s S 128 \$ 6,400,00 \$ S. 2557.603 INSTALL WOOD RAIL FENCE LF 25.00 115 - \$ 2,875.00 115 2,875.00 l s \$ L۴ 150.00 256 \$ 38,400.00 2557 603 ORNAMENTAL FENCE DESIGN SPECIAL 9 \$ . . \$ 38,400,00 \$ 256 \$ \$ TRAFFIC CONTROL SUPERVISOR LS \$ 25,000.00 \$ 25,000.00 25,000,00 l ss \$ \$ 120,000,00 \$ 120,000,00 0.83 99,600,00 13 | 2563.601 | TRAFFIC CONTROL LS 1 0.07 l s 8,400.00 0.01 \$ 1,200.00 0.01 \$ 1,200.00 0.01 \$ 1,200.00 s 0.03 \$ 3,600,00 0.04 \$ 4,800,00 \$ LS 12,000.00 12,000,00 12,000.00 2563,601 ALTERNATE PEDESTRIAN ROUTE \$ \$ 106 \$ 2563.602 | PORTABLE CONCRETE BARRIER DELINEATOR EACH 10.00 1,060,00 106 \$ 1.060.00 \$ \$ \$ \$ - 8 EACH \$ 4,000.00 8,000.00 2563.602 PORTABLE CHANGEABLE MESSAGE SIGN 2 2 8,000.00 \$ \$ \$ \$ 50.00 10.500.00 UDAY 210 210 \$ 10.500.00 2563.613 WORK ZONE SPEED LIMIT \$ l \$ 8 \$ SF 40.00 568 2564.531 SIGN PANELS TYPE C 619 24,760.00 22,720.00 \$ 11 l \$ 440.00 . \$ 40 \$ 1,600.00 S 75.00 715 2564.537 | INSTALL SIGN TYPE C EACH \$ 17 1,275.00 \$ 1,125.00 \$ s \$ 2 S 150.00 - 56 INSTALL SIGN TYPE D EACH 150,00 3 450.00 450.00 2564.537 \$ \$ \$ EACH \$ 2564.537 INSTALL SIGN TYPE SPECIAL 175.00 8 \$ 1.400.00 8 22 1,400.00 \$ l \$ \$ **.** \$5 SF 18,00 548 9,864.00 548 9,864.00 2564.618 CONSTRUCTION SIGNS-SPECIAL S 5 \$ \$ \$ \$ TRAFFIC CONTROL SIGNAL SYSTEM A SIGS \$ 157,000.00 157,000,00 0,5 78,500.00 \$ 2565.511 \$ 78,500,0 \$ 1 \$ l s \$ \$ SIGS \$ 138,000.00 138,000.00 0,5 69,000.00 TRAFFIC CONTROL SIGNAL SYSTEM B 2565.511 S. 0.5 \$ 69.000.0 \$ \$ \$ EMERGENCY VEHICLE PREEMPTION SYSTEM A LS \$ 14,000.00 14,000.00 0,5 7,000.00 2565,513 0.5 \$ 7,000.00 \$ \$ \$ \$ 13,000.00 13,000.00 0.5 6,500.00 LS 2565.513 EMERGENCY VEHICLE PREEMPTION SYSTEM B 1 i s 0.5 \$ 6,500.00 \$ \$ \$ S LS \$ 136,000.00 136,000.00 0.11 14,960.00 2565,514 TRAFFIC CONTROL INTERCONNECT 0.89 \$ 121.040.00 \$ SYS \$ 20,000.00 20,000.00 PEDESTRIAN CROSSWALK FLASHER SYSTEM 1 8 \$ 20,000.00 2565.616 1 \$ \$ \$ \$ \$ Si SYS \$ 90,000.00 90,000.00 2565.616 TEMPORARY SIGNAL SYSTEM A \$ 90,000.00 \$ \$ \$ \$ \$ SYS \$ 90,000,00 90,000,00 90.000.00 2565 616 TEMPORARY SIGNAL SYSTEM B \$ l s \$ \$ S \$ \$ 2571.602 TREE GRATE & FRAMES EACH 1,200,00 7,200.00 \$ \$ - 8 \$ 6 \$ 7,200.00 \$ LF \$ 20.00 320 6.400.00 320 2573.502 | SILT FENCE, TYPE SD \$ \$ 6.400.00 \$ S . я. \$ \$ 2573.502 SILT FENCE, TYPE MS \$ 2.50 6020 \$ 15,050.00 6020 15,050.00 \$ \$ \$ \$ 1500 \$ 1500 \$ 2573.505 FLOTATION SILT CURTAIN TYPE STILL WATER IF LS 10.00 15.000.00 15,000.00 l ss 2 \$ 25.00 20 500.00 20 500.00 2573,515 | FILTER BERM TYPE 3 \$ \$ \$ \$ \$ \$ \$ 2573.530 STORM DRAIN INLET PROTECTION EACH \$ 130.00 201 SS. 26,130.00 201 26,130.00 S \$ S \$ 2573.533 SEDIMENT CONTROL LOG TYPE WOOD FIBER LF \$ 4.50 740 \$ 3,330.00 740 3.330.00 l s l s S . \$ \$ 2573.533 | SEDIMENT CONTROL LOG TYPE ROCK LF S 6.50 3130 \$ 20,345.00 3130 \$ 20,345.00 \$ \$ æ \$ \$ LS \$ 3,500,00 3.500.00 3,500.00 2573.535 STABILIZED CONSTRUCTION EXIT ! \$ \$ \$ \$ \$ \$ LS \$ 12,000.00 12,000.00 12,000.00 2573.550 EROSION CONTROL SUPERVISOR \$ S EACH \$ 150.00 17 \$ 2,550.00 17 2 550 00 2573.560 CULVERT END CONTROLS **S** 1 \$ \$ \$ \$ LB \$ 2.50 1950 \$ 4,875.00 2574.508 FERTILIZER TYPE 3 1940 4,850.00 \$ \$ \$ 25.00 \$ 10.00 40 400.00 2574.508 FERTILIZER TYPE 4 LB S 40 400 00 \$ \$ \$ \$ ACRE \$ 2574.578 SOIL BED PREPARATION 250.00 4.2 1,050.00 4.2 1,050.00 \$ \$ \$ \$ 2574.580 | SOIL TRACKING ACRE S 500.00 3.1 \$ 1,550,00 3.1 1.550.00 l s \$ 8 \$ ACRE \$ 600.00 3.3 \$ 1,980,00 3.3 1,980.00 \$ 2575.501 SEEDING \$ \$ S \$ 2575.502 SEED MIXTURE 25-131 LB S 6.00 146 \$ 876.00 146 \$ 876.00 \$ \$ - 5 \$ LB 8.00 150 1,200,00 150 1,200.00 2575 502 SEED MIXTURE 25-141 \$ \$ \$ -\$ \$ LB 25.00 8 200,00 8 200.00 2575.502 SEED MIXTURE 33-26 \$ \$ \$ \$ 5 LB 45.00 45.00 45.00 2575 502 | SEED MIXTURE 34-171 l ss 5 S \$ 2575.505 SODDING TYPE LAWN SY \$ 12.00 73 876.00 73 \$ 876.00 \$ \$ 5.50 19250 \$ 105,875.00 104.555.00 SY 19010 \$ 2575.505 | SODDING TYPE SALT TOLERANT - 5 - \$ \$ 1,320,00 \$ 240 \$ 2575.513 MULCH MATERIAL TYPE 9 CY 70.00 50 3,500.00 50 3,500.00 \$ \$ 1 \$ \$ 1.50 2575.523 | EROSION CONTROL BLANKETS CATEGORY 3N SY \$ 15165 \$ 22 747 50 15165 \$ 22,747,50 S \$ l \$ \$ 2575.541 MOWING ACRE \$ 400.00 0,2 80.00 0.2 80.00 ACRE \$ 500.00 2575,545 WEED SPRAYING 33 \$ 1.650.00 3.3 1,650.00 2575.560 HYDRAULIC MULCH MATRIX LB 4.00 470 1,880.00 470 1,880.00 ls: \$ \$ \$ 2575.571 RAPID STABILIZATION METHOD 3 MGAL S 450.00 50.7 \$ 22,815.00 50.7 22,815.00 \$ \$ l s \$ \$ \$ \$ 2577.505 LIVE STAKES EACH \$ 5.00 1110 \$ 5,550.00 1110 \$ 5,550.00 S \$ ls: \$ \$ l sa l ss INTERIM PAVEMENT MARKING LS \$ 8,000.00 8,000,00 8,000,00

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## EXHIBIT A - ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST Wayzata Blvd (CSAH 112) - Phase 1

### Hennepin County Proj. No. 091101, SAP 027-712-001 100% Cost Estimate

													BASE E	3ID	<del></del>	· · ·				ALTER	RNATE BID
	_			ı —		FOR TOTAL			-712-001	SAPO	27-712-001		NON	SAP 02	7-712-001	NON	SAP 02	7-712-001	NON		NON
						ECT TOTAL TIMATED		COUNTY TUP	NBACK FUND	<u> </u>		PART	ICIPATING	0,11 02		PARTICIPATING	O/11 02	.7-712-001	PARTICIPATING	PART	ICIPATING
NOTES	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT COST		-ALTERNATE	F	ROADWAY	STORM SEWER	HENNE	PIN CO. (100%) (A)	HENNE	PIN CO. (100%) (B)	HENNEP OROI	N CO. (33%) IO (67%)	ORONO (100%)	HENNEP LONG L	IN CO. (33%) _AKE (67%)	LONG LAKE (100%)	LONG	LAKE (100%)
<u> </u>	_				QUANTITY	·	QUANTITY			QUANTITY	AMOUNT	QUANTIT	AMOUNT	QUANTITY	AMOUNT	QUANTITY AMOUNT	QUANTITY	AMOUNT	QUANTITY AMOUNT	QUANTITY	AMOUNT
	2582.502	4" SOLID LINE EPOXY	LF	\$ 0.50 \$ 0.60		\$ 1,135.00	2270	\$ 1,135.00	<del>+</del>		\$	<u> </u>	\$ -		\$ -	\$		\$ -	\$ -		\$
	2582.502 2582.502	6" SOLID LINE EPOXY 24" SOLID LINE EPOXY	LF LF			\$ 1,350.00 \$ 2,340.00		\$ 1,350.00 \$ 2,340.00		<del></del>	\$ -	<u> </u>	\$ -		\$ -	- \$ -		\$ -	\$ -	ļ	\$ -
	2582.502	4" DBLE SOLID LINE EPOXY	LF			\$ 1,792.00		\$ 1,792.00	<u> </u>	4	\$ -	-	\$ - \$ -		<u>\$</u>	\$		\$ -	\$ -		\$ -
	2582.502	4" SOLID LINE EPOXY GR IN	LF			\$ 5,430.00		\$ 5,430.00	<del></del>	<del> </del>	\$ -	<del> </del>	\$ -		\$ - \$ -	\$ -		\$ -	\$ -		\$ -
	2582,502	6" SOLID LINE EPOXY GR IN	LF			\$ 4,596.00	7660	\$ 4,596.00		<del> </del>	<u>s</u> -	<del> </del>	\$ -		<u> </u>	\$ - \$ -		\$ - \$ -	\$ - \$ -	ļ	\$ -
	2582.502	24" SOLID LINE EPOXY GR IN	LF		1360	\$ 16,320.00	1360	\$ 16,320.00	<del> </del>	┼──	\$ -	<del> </del>	- s -		\$ -	\$ - \$ -		\$ -	\$ -	·	<del>S</del> -
	2582.502	4" BROKEN LINE EPOXY GR IN	LF	\$ 1.50	1050	\$ 1,575.00		\$ 1,575.00	<del></del>	+	\$ -	<u> </u>	\$ -		- s -	\$ -		<u>s</u> -	\$ -	<b>" </b>	\$ -
	2582.502	8" DOTTED LINE EPOXY GR IN	LF	\$ 10.20	90	\$ 918.00	90	\$ 918.00	\$ -		\$ -	<del>'</del>	\$ -		<u> </u>	\$ -		\$ -	\$ -		\$
	2582.502	4" DBLE SOLID LINE EPOXY GR IN	LF	\$ 0.90	7330	\$ 6,597.00	7330	\$ 6,597.00	\$ -		\$ -		\$ -		\$ -	\$ -		\$ -	\$ -	<del></del>	s -
	2582.503	CROSSWALKEPOXY	SF	\$ 4.50		\$ 1,215.00	270	\$ 1,215.00	\$ -		\$ -		\$ -		\$ -	\$ -		\$ -	\$ -	<del></del>	\$
	2562.503	CROSSWALK PREF THERMO GR IN	S.F	\$ 13.00	1730	\$ 22,490.00	1730	\$ 22,490.00	\$		\$ -		\$ -		\$ -	\$ -		\$ -	\$ -	<b>†</b>	\$ -
	***************************************	SUBTOTAL			\$	12,891,724.35		\$10,330,809.35	\$1,017,982.00		\$285,250.50		\$127,990.00		\$97,789.70	\$19,809.20		\$273,733.70	\$656,662.00		\$81,697.90
			_											}							
		COUNTY FURNISHED SIGNAL ITEMS (NOT INCLUDED IN CONTINGENCY OR SUBTOTALS BELOW)																		:	
		SYSTEM A (112@BROWN) - CABINET, CONTROLLER, VIDEO	SYS	\$ 48,000.00	0.5	\$ 48,000.00	0.5	\$ 24,000.00		0.5	\$ 24,000.00										į
		SYSTEM B (112@LAKE) - CABINET, CONTROLLER, VIDEO	SYS	\$ 48,000.00	0.5	\$ 48,000.00	0.5	\$ 24,000.00		0.5	\$ 24,000.00										
		TEMP SYSTEM A (112@BROWN) - CABINET	SYS	\$ 22,000.00	1	\$ 22,000.00	1	\$ 22,000.00			\$ -										
		TEMP SYSTEM B (112@WILLOW) - CABINET, CONTROLLER, VIDEO	SYS	\$ 48,000.00	1	\$ 48,000.00	1	\$ 48,000.00			\$ -										
egi, ngawa sa	u par Janteerr e	om de la companya de la compositación de la companya	arthaulthach tha an be	grave teperatrisea, Quilliante	TUSTELLES	\$ 166,000.00	 	\$118,000.00			\$48,000.00	1 TODONO 1880 N. 1944 N.	and a company of the reserve		Fried Co. Commission Acres						]
							<b>9</b> 7 (2.17)		KIND OF STREET	E COMP			2000 mg 1956	的基本	<u> </u>				The state of the s	g sport for the grade	
		BASE BID SUBTOTAL								\$12,810,0	26.45										
		ALTERNATE BID SUBTOTAL	<del></del>							<del>-</del>			-					\$81,697.90			
	<del> </del>	BASE + ALTERNATE BID TOTAL	etronione de la company	The second state of the se	a portar establishes			-elima, wallinger or managed an	s Kenda wa Panjan Walanda ya cara a sa					\$12,891,	724.35						
SAA		BASE BID: TURNBACK TO	real day.	rain de la company	17255	akasa keessa sa ka	es artis	#44 946	704.05	AR (45 (45, 175)		100000		Jērstau : e	<u> </u>		<b>3</b> 3.533				
		BASE BID: TURNBACK TO BASE BID: STATE AID PARTICIPATING TO						\$11,34¢	3,791.35	\$20	5,250.50	<u>,</u>						<del></del>			
		BASE BID: NON PARTICIPATING TO								<b>₩</b> 20	J,20V.3V					\$1,175,984.60				<del> </del>	
	Δ	LTERNATE BID: NON PARTICIPATING TO			<del></del>							<u> </u>		<u>.</u>		्रा,।/२,७०४.०U				L C04	1,697.90
Ц																				40	,001.30

- DENOTES PLAN QUANTITY
- SANITARY MANHOLES
- STORM SEWER MANHOLES OR CATCH BASINS
- TO BE USED ON BOTH 4" CONCRETE WALK AND 6" CONCRETE WALK IN AREAS INDICATED ON THE STREETSCAPE PLANS & DETAILS
- TO BE USED FOR ANTI-SEEP COLLARS IN LOCATIONS DESIGNATED ON THE DRAINAGE PLANS AND SANITARY / WATERMAIN PLANS & DETAILS
- USED FOR DEWATERING LONG LAKE FOR REINFORCED SOIL SLOPE CONSTRUCTION
- USED FOR MOBILIZATION AND DE-MOBILIZATION OF CONTAMINATED GROUNDWATER TREATMENT EQUIPMENT FOR LAKE STREET AND BROWN ROAD INTERSECTIONS
- USED FOR DEWATERING OF CONTAMINATED GROUNDWATER AT LAKE STREET INTERSECTION
- ITEM TO BE USED UPON THE REQUEST OF THE ENGINEER
- SEE STREETSCAPE PLANS & DETAILS FOR LOCATIONS
- SEE RETAINING WALL PLANS & DETAILS FOR LOCATIONS
- (11) FENCE SHALL BE COLOR BLACK AND INCLUDE A TOP RAIL, SEE SPECIAL PROVISIONS.
- (12) USED FOR DEWATERING OF CONTAMINATED GROUNDWATER AT BROWN ROAD/VIRGINIA STREET INTERSECTIONS
- (13) INCLUDES ALL ITEMS FOR TRAFFIC CONTROL, DETOURS AND STAGES AND ANY OTHER ITEMS AS DEEMED NECESSARY FOR TRAFFIC CONTROL BY THE ENGINEER UNLESS OTHER PAY ITEMS ARE INCLUDED IN THE PLAN
- (14) SEE REINFORCED SOIL SLOPE PLANS & DETAILS FOR LOCATION
- (15) STORMWATER TREATMENT DEVICE (GRIT CHAMBER)
- (16) FOR TEMPORARY COFFERDAMS IN LONG LAKE TO CONSTRUCT REINFORCED SOIL SLOPE
  DENOTES WATER AND SANITARY ITEMS DESIGNED BY THE OWN THE STATE OF THE OWN THE
- DENOTES WATER AND SANITARY ITEMS DESIGNED BY THE CITY OF LONG LAKE

- (A) TRAIL & LIGHTING: HENNEPIN COUNTY STATE AID (50%), HENNEPIN COUNTY STATE AID-MUNICIPAL (50%) SIGNAL SYSTEM A: TURNBACK (50%), HENNEPIN COUNTY STATE AID (25%), HENNEPIN COUNTY STATE AID-MUNICIPAL (25%) SIGNAL SYSTEM B: TURNBACK (50%), HENNEPIN COUNTY STATE AID-MUNICIPAL (50%)
- (B) HENNEPIN COUNTY FIBER IT

# HENNEPIN COUNTY

MINNESOTA

February 8, 2017

Marvin Wurzer
Director of Public Works
City of Long Lake
450 Virginia Avenue, PO Box 606
Long Lake, MN 55356

AGREEMENT NO. PW 25-32-16 C.P. 112 COOPERATIVE AGREEMENT

Dear Mr. Wurzer,

Submitted for your file is a fully executed copy of the above referenced agreement.

If you have any questions, please call me at 612-596-0307.

Şincerely,

⊮risti W. Beyer

Administrative Secretary

Kwb

**Enclosure** 

