

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

For Information Only.

**Attachments** (*please list*):

\* May 2017 Outage Report

**Recommendation/Suggested Action** (*briefly explain*):

For information only.

**City of St. Charles  
May 2017 Outages**

OUTAGE No.	DATE	TIME OFF	TIME ON (Min)	AREA AFFECTED	CIRCUIT No.	CAUSE/RESPONSE	NO. OF CUST.	OUTAGE MINUTES	MAJOR CATEGORY	SUB CATEGORY
1	5/4/2017	6:42 AM	43	S. 5th Ave.	312	Animal / Re-fused 25k lateral and replaced arrester on transformer.	9	387	Animal	Bird
2	5/16/2017	4:39 PM	21	Randall, 38, Harvest Hills, Renaux Manor west of Randall, north and south of Rt. 64.	L56931	Loss of ComEd feed 56931. ComEd switched to 8331 then to 57736.	2896	60,816	ComEd	L56931
3	5/16/2017	7:00 PM	60	633 Geneva Rd.	331	1/2 power. Burned up meter socket. Gave temporary power to 1/2 meter.	1	60	Others	Customer
4	5/17/2017	7:00 PM	15	14th St., 15th St., Howard St., Evergreen St., Oak St.	214	Fallen tree at 1626 Howard St. on pole, primary and secondary. Opened fuse at 15th St. & Oak St. to isolate tap and re-energize all customers except Howard St. and Evergreen St.	56	840	Weather	Wind
5	5/17/2017	7:00 PM	20	7th St. & Oak St.	624	Large tree fell on lines. Removed tree and restored power.	12	240	Weather	Wind
6	5/17/2017	7:11 PM	0	Sub 7, The Quad, Pheasant Run Trails, Walmart, Fox Chase, Royal Fox, E. Main St., AMLI	L13154	Loss of ComEd 13154 - Auto reclosed.	1466	0	ComEd	13154
7	5/17/2017	11:10 PM	70	313-314 Cedar St., Rt. 31, Baker Hotel, 2nd, 3rd, 4th, 5th, 6th, 7th Streets, Q-Center, Rt. 25, Woods of Fox Glen, Persimmon	313	Tree down at 6th St. & Cedar Ave. Opened feed from switchgear at 3rd & Cedar, pulled up primary neutral sleeve, closed back in. 450 customers 3-breaker operational, 23 customers sustained midnight to 12:20 a.m.	23	1,610	Weather	Wind
8	5/17/2017	11:18 PM	42	Sub 5 Bay 1, Illinois Ave., Kautz, Ohio, Swenson, Stetson, Stern, Commerce, Wallace, Madison, Cambridge.	L13155	Loss of ComEd 13155 during wind storm. Isolated 13155, picked up load on 13154.	708	29,736	ComEd	131553
9	5/17/2017	11:38 PM	0	Timbers, Wildrose Springs, Redgate, N. 17th St.	224	Wind storm. 613 customers experienced an instantaneous outage. 1 breaker operation.	613	0	Weather	Wind
9	5/17/2017	11:38 PM	109	Wildrose Springs	224	Wind / tree. Pulled up phase that burned down and restored power.	68	7,412	Weather	Wind
10	5/18/2017	12:00 AM	1020	714 Cedar Ave.	311	Tree pulled service off of house. Removed tree. Customer to follow up with electrician.	1	1,020	Weather	Wind
11	5/18/2017	1:11 AM	16	Wildrose Springs, Timbers, Redgate, N. 17th St.	224	Tree/wind/storm. Tree at Timbers Trail and 31 fell. Dump breaker to safely pull up center phase to restore all customers.	485	7,760	Weather	Wind
12	5/18/2017	2:00 AM	120	102-112 N. 5th Ave.	3	Tree on secondary main. Repaired wire and re-hung on pole.	3	360	Weather	Wind
13	5/18/2017	5:00 AM	360	1219 S. 4th St.	331	Tree pulled service off of house. Re-hung service on house (new service). Customer to follow up with electrician.	1	360	Weather	Wind
14	5/18/2017	5:00 AM	300	40 N. 12th Ave.	316	Wind storm. Installed new service after storm. Customer to follow up with electrician.	1	300	Weather	Wind
15	5/18/2017	5:00 AM	1	N. 12th St.	316	Wind storm. Opened transformer to unwrap open wire.	12	12	Weather	Wind
16	5/18/2017	3:30 PM	50	1100 & 1200 blocks of S. 2nd and S. 4th St.	331	Wind storm. Large tree on primary and secondary main. Primary tie broken on another pole south.	35	1,750	Weather	Wind



City of St. Charles  
May 2017 Outages

OUTAGE No.	DATE	TIME OFF	TIME ON (Min)	AREA AFFECTED	CIRCUIT No.	CAUSE/RESPONSE	NO. OF CUST.	OUTAGE MINUTES	MAJOR CATEGORY	SUB CATEGORY
17	5/19/2017	10:06 AM	28	2075 Prairie St. (strip mall), and 2073 Prairie St. (Jewel).	614	Faulted underground primary cable blew fuse. Isolated bad cable and re-fused.	3	84	Equipment	Cable
18	5/19/2017	10:06 AM	79	700 S. Randall Rd. (5/3 Bank), traffic lights at Randall & Lincoln Hwy., and streetlight feed on Randall and Lincoln Hwy.	614	Faulted underground primary cable blew fuse. Tested and energized cables to pick up load on circuit 622.	3	237	Equipment	Cable
						<b>Total of Interrupted Minutes</b>		<b>112,984</b>		
						<b>Total SAIDI*</b>	<b>7.231</b>			
						Total of ComEd Interrupted Minutes		<b>90,552</b>		
						Total SAIDI without ComEd	<b>1.436</b>			
						*System Average Interruption Duration Index (SAIDI)				

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.b

Title:

Active River Project Update – Information Only

Presenter:

Chris Adesso

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$ N/A

Budgeted Amount: \$ N/A

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

The Active River Task Force wishes to provide the Council Committee updates on the status of topics pertaining to the Active River Project/Concept. The Task Force offers the attached information to the Committee. A member of the Task Force will be available at each of the Government Services Committee meetings to respond to any questions or comments that the Council Committee may have.

**Attachments** (*please list*):

\* May 15, 2017 – Task Force Meeting Minutes

**Recommendation/Suggested Action** (*briefly explain*):

None – For information only.

**MINUTES  
ACTIVE RIVER TASK FORCE MEETING  
ST. CHARLES  
JOHN RABCHUK, CHAIRMAN  
MAY 15, 2017**

**Members Present:** Chair. John Rabchuk, Chris Adesso, Trish Beckjord,  
Rick Brems, Holly Cabel, Jim Enck

**Members Absent:** Chris Bong, Monica Meyers, John Wessel

**Others Present:** Tom Anderson, Isabel Soderlind

**1. Call to Order**

The meeting was convened by John Rabchuk at 8:02 a.m.

**2. Minutes Review and Approval**

Motion was made to accept and place on file the minutes of the May 1, 2017 Active River Task Force meeting minutes.

Motion by Trish Beckjord second Holly Cabel, to accept and place the minutes on file.

Voice vote: Ayes: unanimous; Nays – None Absent: Chris Bong, Monica Meyers, John Wessel

Motion carried at 8:02 a.m.

**3. Member Organization Updates**

**A. St. Charles Park District**

**i. Status of Boy Scout Island**

Per Holly Cabel, the boat ramp and affiliated parking project at Boy Scout Island will most likely begin this summer. Discussions are taking place on the next phase of this project.

**ii. Engineering Feasibility Study Presentation to the St. Charles Park Board**  
Commissioners is scheduled for Tuesday, July 11, 2017. The presentation will be similar to that being given to the Government Services Committee meeting, June 26.

**B. City of St. Charles**

**i. Engineering Feasibility Study Presentation at the Government Services Committee meeting, Monday, June 26, 2017 at 7:00 p.m.**

Greg Chismark from WBK and Chris Adesso will be presenting the findings of the Feasibility Study at the June Government Services Committee meeting. At least one of the concept option(s) with the correlating estimated cost for the Phase I DE will be presented. At this point in time, the concept(s) being presented is still

undetermined. Chris will contact Greg next week and schedule a meeting to coordinate the presentation. Once the presentation is finalized, Chris will forward Holly Cabel the information that will be covered in the presentation.

The task group discussed the focus of the June 26 Government Services Committee meeting. It was recommended the presentation focus on the results of the feasibility study before moving forward. Overall, the study provides encouraging answers to all of the questions that prompted the study effort and suggests that regulatory approval can probably be obtained

- a. Update on the additional Active River Project (hereafter referred to as the “ARP”) agenda item to the June Government Services Committee meeting.

John Rabchuk requested another ARP item be added to the June agenda to discuss next steps to the ARP project. Mark Koenen suggested waiting until the rest of the agenda for that June 26 meeting is submitted before he commits to adding another item.

- b. Preparation for the Government Services Committee Meeting.

In the meantime, John Rabchuk recommended scheduling a meeting with the three entities that have riparian rights to the river. He would like to update the other three property owners on the current status of the ARP prior to the Government Services meeting. All have been part of the original stakeholders meetings, but it has been a while since the ARP has communicated with them. The members present felt it was a good idea to keep all those entities informed.

### **C. River Corridor Foundation**

No update.

## **4. Update on Second Meeting with Potential Corporate/Philanthropic Funding Source**

### **A. Update on May 10 , 2017 Meeting with Corporate/Philanthropic donor**

John mentioned the potential corporate funding source is very anxious to meet again. The meeting may occur on June 8<sup>th</sup>, but it is not finalized as of yet. John Rabchuk is hopeful for a significant commitment from both the corporate and the philanthropic donor over two to three years.

### **B. Initial Meeting with Dunham Foundation**

John Rabchuk also contacted the Dunham Fund. John met with the representatives from the foundation and it appears the ARP fits some of the foundation’s objectives. Grant applications are awarded on Feb 28 and June 1. At the end of the meeting, the representatives encouraged the ARP to apply for the February submission. The application is due by February 1.

The members also had a several side discussions that included:

- The potential funding for the engineering plans and how to raise those funds.

- How this project is different from anything the city has done before and this project may need to take a different approach. This is not a standard public works project, but rather a comprehensive plan for the river and riverfront; yet different from the general city Comprehensive Plan in that it will require a call to action for capital as well as operational funding as well as management. The ARP is a type of project that is a collaboration of various projects funded by several organizations/groups. For example, Kiwanis is very interested in creating a Splash Park. They monies could come from various sources, but the land to build the park would need to be a donated. Or, there may be components of the connecting cycle and walking trails that could be assisted by the Kane County Forest Preserve or Grand Victoria Riverboat Fund. Private and corporate donations could be solicited for other components.
- Applications for grant (federal and state) for design, engineering and construction will need to be made by a public entity once they are identified.
- The option of outsourcing to a professional group for various aspects of this project. This includes companies that not only design the project with “sell” the project e.g., Hitchcock and S2O Design. This also includes fundraising, grant writing, marketing. The members also discussed how these costs should be incorporated in the overall cost of the project.
- What funds will be used to support the operating/maintenance costs of the Active River Project in the future? Where will this money generate from?
- A possibility to create a leadership/task force group to drive the next steps of this project that will include fundraising, grant writing, marketing materials, etc. to continue to drive this project forward was discussed.
- Review Hitchcock’s master plan for suggestions moving forward. The task force members agreed that much of the Phase One tasks identified in the Hitchcock plan have been accomplished by the task force, but that the steps identified in Phase Two will require a new structure and authority.

## **5. Marketing, Publicity and Community Outreach**

### **A. Pottawatomie Garden Club Presentation**

A presentation to Pottawatomie Garden Club is scheduled for Monday, July 24, 2017, from 1:00-1:45 p.m. at Baker Methodist Church.

## **6. Other**

### **A. Meeting with Mark Koenen scheduled for June 7.**

John Rabchuk and Holly Cabel have a meeting scheduled with Mark Koenen for June 7th.

The members of the group also discussed the status of the visit to Falls Park in Greenville, South Carolina. At this point in time, the visit has not been scheduled. The recommendation was made to resurrect that discussion with Mark Koenen.

### **B. Karen Miller’s Presentation at the June River Corridor Foundation Meeting**

Trish Beckjord informed everyone that Karen Miller will be presenting at the June River Corridor Foundation meeting. Topic for the presentation: the Fox River Trail.

**C. Update on the Wind Emotion Sculpture on Route 31.**

The lighting for the sculpture is being worked on. The Electric Utility is working on completing this project but several items need to be completed before connecting the electric source to the lights.

Tom Anderson mentioned the visual obstruction of a a stop sign as you leave the parking lot of the sculpture and into Route 31. The stop sign is blocking the view of the sculpture from the road and was wondering if the stop sign could be removed. Chris Adesso will speak with the Police Department to determine if it can be removed.

**7. Adjourn**

The next meeting is scheduled for June 5 at 8:00 a.m. at the Baker Memorial Community Center; meetings will occur every 2 weeks moving forward.

Motion by Rick Brems to adjourn the meeting, second by Holly Cabel.

Voice vote: Ayes: unanimous; Nays – None Absent: Chris Bong, Monica Meyers, John Wessel

-Motion carried at 9:13 a.m.

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.c

Title: Tree Commission Minutes – Information only

Presenter: AJ Reineking

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$ N/A

Budgeted Amount: \$ N/A

Not Budgeted: ☐**Executive Summary** *(if not budgeted please explain):*

A duty of the Tree Commission is to advise and consult with the Government Services Committee. The April 13, 2017 Tree Commission meeting minutes are attached.

**Attachments** *(please list):*

\* Tree Commission Minutes – April 2017 meeting minutes

**Recommendation/Suggested Action** *(briefly explain):*

For information only.

**MINUTES  
CITY OF ST. CHARLES  
TREE COMMISSION MEETING  
RALPH GRATHOFF, CHAIRMAN  
April 13, 2017**

**Members Present:** Chair. Ralph Grathoff, Valerie Blaine, Jon Duerr, Raymond Hauser, Suzi Myers, Pam Otto, Caroline Wilfong

**Members Absent:** Kathy Brens, Ron Ziegler

**Others Present:** Chris Adesso, Jeremy Craft, Marcelline D'Argento, AJ Reineking, Lisa Vielbig

**Visitors Present:** Heather Goudreau

**1. Call to Order & Pledge of Allegiance**

The meeting was convened by Chair. Grathoff at 7:02 p.m.

**2. Minutes Review and Approval**

Motion to approve and place into the public record the minutes of the March 9, 2017 Tree Commission meeting. Motion by Comm. Myers, second by Comm. Hauser to approve the minutes. Voice vote: unanimous; nays – none. Motion carried at 7:04 p.m.

**3. Old Business**

**A. Arbor Day Updates**

**i. Davis Primary School Volunteers**

Comm. Myers provided the dates and times volunteers were requested to read and talk with the students about trees and Arbor Day. Comms. Blaine and Duerr will volunteer.

**ii. Arbor Day Updates**

Ms. D'Argento reported pending items on the Arbor Day checklist have been completed; some items require completion the day of the event. The agenda for the event has been finalized and is basically the same as in the past.

Mr. Craft informed the Commissioners a tree will be planted at Davis Primary School at 9:00 a.m. on Arbor Day. The planting site has been identified and necessary arrangements have been made with the teachers/students, school maintenance personnel and Public Works staff.

Mr. Reineking reported Public Works received an offer from a marketing organization to participate in Arbor Day and promote the movie Guardians of the Galaxy Volume 2. After some discussion, the Commissioners and staff determined this offer would be declined as a movie promotion may not be appropriate for the City's Arbor Day celebration or for the ages of the elementary school students who will be present.

Some of the Commissioners may have artwork to display at Lincoln Park.

Chair. Grathoff provided an update on the St. Charles Rotary Club tree planting volunteers. There may be planting sites in the forest preserves where the volunteers can plant trees. Comm. Duerr will follow-up with Angelo Bravos of the Rotary Club.

The Commissioners and City staff thanked Comm. Otto for suggesting this year's Arbor Day theme: *Diversity in the Urban Forest*.



**4. New Business**

**A. News and Concerns from Public Works**

Mr. Reineking and Mr. Craft reported spring planting is underway; 170 trees of various species will be planted in the parkways.

Mr. Reineking reported the Urban Forestry Management Plan [Plan] was presented to the City's Government Services Committee [GSC] last month and was very well received. Members of the GSC wanted to know how the Plan would be made available to the community. Mr. Reineking will coordinate with the City's Communications Manager to publicize the Plan through the City's website, blog and via social media. Also, Graf Tree Care has been sharing the Plan with other municipalities. Chair. Grathoff and Comm. Myers noted members of the GSC had a lot of good questions and were very positive about the Plan. Chair. Grathoff thanked everyone who worked on the Plan, and now that the Plan has been completed the Tree Commission can begin its transition to the Natural Resources Committee. Mr. Reineking stated the staff will be prepared to outline next steps at the May meeting.

Mr. Adesso informed the Commission there is a lot of energy behind the concept of natural resources and mentioned the interest in and wide support of America in Bloom. The concept of sustainable culture is a commonality among various committees within the City, and is of interest to City's elected officials.

**B. News of Concerns from Tree Commission**

Comm. Hauser provided additional information regarding the lawsuit filed against the City of Geneva which was previously discussed at the March Tree Commission meeting. The lawsuit was filed by an insurance company and involved a distressed tree that was apparently brought to Geneva's attention by a resident/the insured party. Geneva indicated the resident's request to remove the tree was never received. A limb from the tree fell causing a fire that cost the insurance company a significant amount to resolve. Geneva cited the Illinois Governmental Employees Tort Immunity Act [745 ILCS 10] which protects "local public entities and public employees from liability arising from the operation of government." The matter was settled and the lawsuit was dismissed with prejudice.

Mr. Reineking noted the Urban Forest Management Plan contains a risk assessment policy that is already in use. Within a three to four year period, 100% of the City's trees will have been assessed. Comm. Myers inquired as to how the City would handle changes in risk resulting from storms, for example. Mr. Reineking responded there is some reliance on residents to report storm damage. Mr. Craft explained City crews go out after storms to assess the City's trees for damage.

Chair. Grathoff requested an update regarding the City-owned property located in the Woods of Fox Glen/Outlot B. Mr. Adesso reported, as a result of the adjudication process, fines were levied against the individual involved. The fines amounted to thousands of dollars.

Comm. Duerr inquired about America in Bloom and the connection to the Natural Resources Committee. Comm. Otto explained there are environmental and sustainability components to America in Bloom's focus. America in Bloom competitors are evaluated on various criteria including urban forestry, environmental efforts and heritage preservation. Comm. Otto noted the City's participation in America in Bloom has led to environmental-related improvements such as installing recycling containers downtown and offering un-rented gardening plots for planting, for example.

Mr. Adesso added that the concepts of community involvement, volunteering and sustainability are promoted by America in Bloom. Through its involvement with America in Bloom, Public Works has opportunities to highlight some of its efforts in preserving and enhancing City-owned natural areas. During this year's America in Bloom event, Public Works will discuss a recently completed sustainability project involving an old eroded stormwater basin that was regraded and stabilized using all native plants. Mr. Adesso also described a proposed volunteer project with the Illinois Municipal Electric Agency [IMEA] in partnership with America in Bloom. The proposal is to distribute 5,000 LED lightbulbs in the community promoting the message of sustainability.

**5. Committee Reports**

**A. Education Committee**

None

**B. Langum Park Clean-Up**

Comm. Otto reported local high school students may participate during the 2017/2018 school year.

**6. Communications - Approval of Public Services Division Tree Activity Reports January-February 2017**

Motion by Comm. Blaine to approve the above-referenced reports and place into the public record, second by Comm. Hauser. Voice vote: unanimous; nays – none. Motion carried at 7:40 p.m.

Mr. Adesso noted the tree activity reports are approved and placed on record for the purpose of the City's Tree City USA certification.

**7. Additional Items**

**A. Commissioners**

Comm. Wilfong commented on a video she viewed regarding Cincinnati's EAB tree removals and the threat to Maple trees from Asian long-horn beetles. Comm. Duerr noted that approximately 15 years ago the City of Chicago clear-cut many trees in an effort to quarantine the Asian long-horn beetles.

Comm. Otto updated the Commissioners on the City's progress regarding an ordinance pertaining to honey bee-keeping as it relates to public safety. The ordinance will be passed at an upcoming City Council meeting.

Comm. Blaine informed the Commissioners the forest preserve is having its first Monarch and Milkweed Festival in June, which might be of interest to the Natural Resources Committee. Also there is a lot of participation in the Kane County Big Tree Program, and several champion trees are located in St. Charles.

**B. City Staff**


None

**C. Visitors**

None

**9. Adjournment**

Motion by Comm. Hauser to adjourn the meeting, second by Comm. Brens. Voice vote: unanimous; nays – none. Motion carried at 7:50 p.m.

	<b>AGENDA ITEM EXECUTIVE SUMMARY</b>		Agenda Item number: 4.a
	Title:	Recommendation to Approve Amplification Equipment and Parking Lot and Street Closures for the 2017 Arcada Anniversary Parade and Celebration	
	Presenter:	Chief Keegan	
Meeting: Government Services Committee		Date: June 26, 2017	
Proposed Cost: \$750.00 (PD) \$1,744.24 (PW) <b>Total: \$2,494.24</b>		Budgeted Amount: \$	Not Budgeted: <input checked="" type="checkbox"/>
<b>Executive Summary (if not budgeted please explain):</b>  <p>This special event application was submitted on May 23, 2017 and the committee met with the event organizer on May 30<sup>th</sup>.</p> <p>This event was launched last year as a celebration for the Arcada's 90<sup>th</sup> birthday. Event organizers are requesting this be an annual event and have requested the route begin at 1<sup>st</sup> Street, with all parade participants lining up on 1<sup>st</sup> St and continuing east on Illinois Ave, if necessary, for line-up purposes. They have requested the route be extended one block this year and turn off at 3<sup>rd</sup> Ave from Main St. The parade will then turn onto Walnut Ave from 3<sup>rd</sup> Ave and end at Riverside &amp; Walnut Avenues. This year's event is set to take place on Monday, September 4, 2017 (Labor Day). The following road and parking lot closures have been requested:</p> <p><b>Riverside Ave</b> from Main St to Illinois Ave from <b>10 a.m. – 8 p.m.</b>  <b>Walnut Ave</b> from 3<sup>rd</sup> Ave to Riverside Ave from <b>10 a.m. – 8 p.m.</b>  <b>City Parking Lot "B" – Second Court Lot</b> (located at 2<sup>nd</sup> Avenue and Walnut Avenue) from <b>10 a.m. – 8 p.m.</b></p> <p>A car show prior to the parade and a free show at the theatre at the end of the parade are also part of this event.</p> <p>Fees for City services will be paid in full by the event organizers.</p>			
<b>Attachments (please list):</b>  * Map *Downtown St. Charles Event Review Proposal			
<b>Recommendation/Suggested Action (briefly explain):</b>  Recommendation to approve amplification equipment and parking lot and street closures for the 2017 Arcada Anniversary Parade and Celebration.			

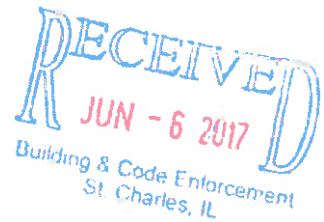


RECEIVED  
JUN - 6 2017

Building & Code Enforcement  
St. Charles, IL








### Downtown St. Charles Event Review Proposal

1. Please describe the purpose of your event including proposed date(s)/time(s).  
Monday 7/4/17 10am-8pm ; To celebrate the history of the Arcade Theatre and St. Charles IL, joining the community together downtown. Start w/ car show, end w/ Arcade Parade.
2. Explain how your event will comply with the evaluation criteria, as described in the Downtown Events Evaluation summary.
  - a) attract Arcade fans to downtown area during evening business hours
  - b) experience in event planning + this parade specifically
  - c) parade ends w/ free show @ theatre, attracts large group to event
  - d) The Arcade Theatre Community Legacy Program and the DSCP have already agreed to work together in planning this event
  - e) The marketing + promotions will begin much further in advance.
3. What distances will people travel to participate in the event? Please justify. (i.e. local participants who live within a 5-10 mile radius or regional event attracting people from 3-5 states with a 5-10 hour driving distance)  
Just as many Arcade events do, this event will attract people from both local and regional distances. This will leave many opportunities for local businesses to reach more markets.
4. What is the estimated number of event a) Participants b) Attendees? Please justify.
  - a) up to 100 (from multiple organizations)
  - b) 1,000+ (could be at least twice as packed, given the altered marketing strategy)
5. Safety and the impact on downtown businesses, residents and the City are major priorities. Please describe what street closures, detours, and parking you would request and how you would address concerns from these stakeholders?  
To address safety, it should be noted that all lanes of Rt. 64 should be closed (unlike last year when traffic was still flowing during the parade). Rt. 64 will be closed from 5th St to 5th Ave. We request a similar, but scaled-down version of the street closure map used for the S.C. Holiday Homecoming Parade (2016-Nov.)

	<b>AGENDA ITEM EXECUTIVE SUMMARY</b>		Agenda Item number: 4.b
	Title:	Recommendation to Approve use of Amplification Equipment for the 2017 Bob Leonard 5K/10K and 1K Family Color Fun Run/Walk	
	Presenter:	Chief Keegan	
Meeting: Government Services Committee		Date: June 26, 2017	
Proposed Cost: \$249.92 (PD) \$410.28 (PW) <b>TOTAL: \$660.20</b>		Budgeted Amount: \$	Not Budgeted: <input checked="" type="checkbox"/>
<b>Executive Summary</b> <i>(if not budgeted please explain):</i>  <p>This special event application was received on May 18<sup>th</sup> and the special events committee met with the event organizers on June 6<sup>th</sup> to discuss the event.</p> <p>The 10<sup>th</sup> annual Bob Leonard 5K/10K and 1K Family Color Fun Run/Walk is being sponsored by the River Corridor Foundation and the St. Charles Noon Kiwanis and is proposed to take place on Sunday, July 30, 2017. The 5K commences at 7:30 a.m. and the Color Run at 9 a.m. A police officer on bicycle patrol will follow along with the runners of this event for the duration of the route. The event sponsor will be sending out an informational letter, as in past years, to residents of the Timbers and Wild Rose subdivisions, as well as other residents and businesses affected by this route, informing them of this event. Consideration will also be given to residents in the area while amplification is in use; the equipment will be utilized for announcements and a DJ.</p>			
<b>Attachments</b> <i>(please list):</i>  * Diagrams			
<b>Recommendation/Suggested Action</b> <i>(briefly explain):</i>  Recommendation to approve the use of amplification equipment for the 2017 Bob Leonard 5K/10K and 1K Family Color Fun Run/Walk.			



Road Running Technical Council  
USA Track & Field

# Measurement Certificate



Name of the course Bob Leonard 5k Distance 5 km  
Location (state) Illinois (city) Saint Charles  
Type of course: road race ☒ calibration course ☐ track ☐  
Measuring methods: bicycle ☒ steel tape ☐ electronic distance meter ☐  
Measured by (name, address, phone & e-mail) Winston Rasmussen; 3s441 2nd Street  
Warrenville, IL 60555; (630)393-4952; W.Rasmussen@comcast.net  
Race contact (name, address, phone & e-mail) Chicago Race Management, 26 S Third Street  
Geneva, IL 60134 - MAZ@ChicagoRaceManagement.com (630) 479-8116  
Date(s) when course measured: April 17, 2017  
Number of measurements of entire course: 2 Course Configuration: Out Loop Back  
Elevation (meters above sea level) Start 210 Finish 210 Highest 230 Lowest 210  
Straight line distance between start & finish 0 Drop 0.00 m/km Separation 0.00 %  
Type of surface: paved 100 % dirt - % gravel - % grass - % track - %  
Effective date of certification: April 26, 2017 Certification code: IL17010WR

Notice to Race Director: Use this Certification Code  
in *all* public announcements relating to your race.

## Be It Officially Noted That

Based on examination of data provided by the above named measurer, the course described above and in the map attached is hereby certified as reasonably accurate in measurement according to the standards adopted by the Road Running Technical Council. If *any* changes are made to the course, this certification becomes void, and the course must then be recertified.

**Verification of Course** — In the event a National Open Record is set on this course, or at the discretion of USA Track & Field, a verification remeasurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

This certification expires on December 31 in the year **2027**

AS NATIONALLY CERTIFIED BY:

*Winston Rasmussen*

Date: April 26, 2017

Winston C Rasmussen • USATF/RRTC Course Certifier

3s441 2nd Street, Warrenville, IL 60555 • (630)393-4952 • W.Rasmussen@comcast.net



# Bob Leonard 5k

5 km

Saint Charles, Illinois

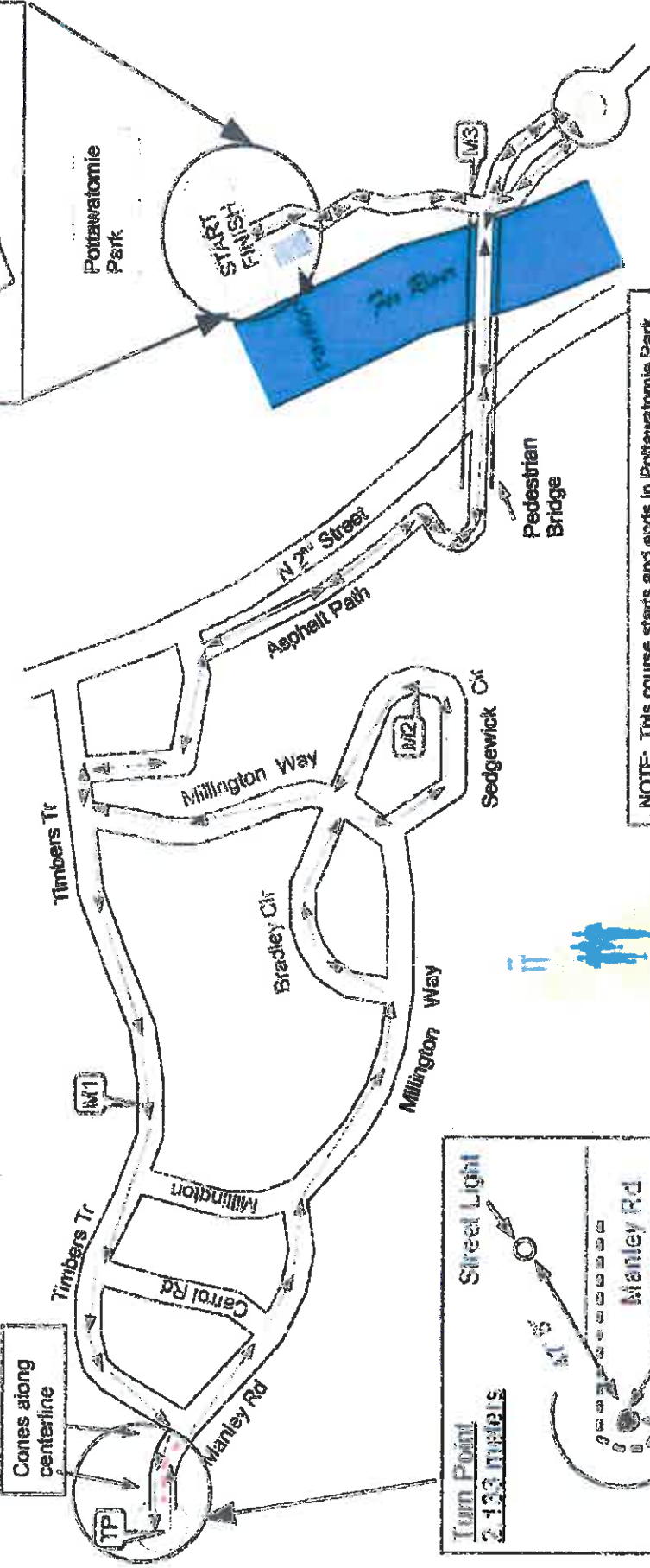
USATF Certificate # IL17010WR

Effective April 26, 2017 – Dec 31, 2027

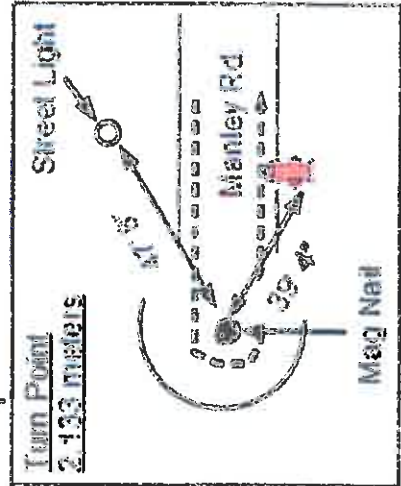


Map not to Scale

- Start:** Mag nail, center of asphalt path, 33' 1" N of center of storm drain and 95' 9" S of light post (see detail)
- Mile 1:** North curb of Timbers Trail, 34' W of center of driveway at 506 address
- Turn:** Mag nail, at end of Manley Tr. 39' 4" W of fire hydrant and 47' 8" SW of street light (see detail)
- Mile 2:** West curb of Sedgewick Circle, 1' S of center of driveway at 258 address
- Mile 3:** Walkway N of pedestrian bridge overpass, 55' S of John "Jack" Kerr memorial plaque
- Finish:** Same point as start
- Measured by Winston Rasmussen April 17, 2017 (w.rasmussen@comcast.net)



**NOTE:** This course starts and ends in Pottawatomie Park in Saint Charles. It was measured along the shortest possible route. Cones required along the centerline of Manley Road of the out and back spur from the intersection of Timbers Trail to the turnaround.







**Road Running Technical Council  
USA Track & Field**

**Measurement Certificate**



Name of the course Bob Leonard 10k Distance 10 km  
Location (state) Illinois (city) Saint Charles  
Type of course: road race ☒ calibration course ☐ track ☐  
Measuring methods: bicycle ☒ steel tape ☐ electronic distance meter ☐  
Measured by (name, address, phone & e-mail) Winston Rasmussen; 3s441 2nd Street  
Warrenville, IL 60555; (630)393-4952; W.Rasmussen@comcast.net  
Race contact (name, address, phone & e-mail) Chicago Race Management, 26 S Third Street  
Geneva, IL 60134 - MAZ@ChicagoRaceManagement.com (630) 479-8116  
Date(s) when course measured: April 17, 2017  
Number of measurements of entire course: 2 Course Configuration: Out Loop Back  
Elevation (meters above sea level) Start 210 Finish 210 Highest 241 Lowest 210  
Straight line distance between start & finish 0 Drop 0.00 m/km Separation 0.00 %  
Type of surface: paved 100 % dirt - % gravel - % grass - % track - %  
Effective date of certification: April 26, 2017 Certification code: IL17011WR

Notice to Race Director: Use this Certification Code  
in *all* public announcements relating to your race.

***Be It Officially Noted That***

Based on examination of data provided by the above named measurer, the course described above and in the map attached is hereby certified as reasonably accurate in measurement according to the standards adopted by the Road Running Technical Council. If *any* changes are made to the course, this certification becomes void, and the course must then be recertified.

**Verification of Course** — In the event a National Open Record is set on this course, or at the discretion of USA Track & Field, a verification remeasurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

***This certification expires on December 31 in the year***

**2027**

**AS NATIONALLY CERTIFIED BY:**

*Winston Rasmussen*

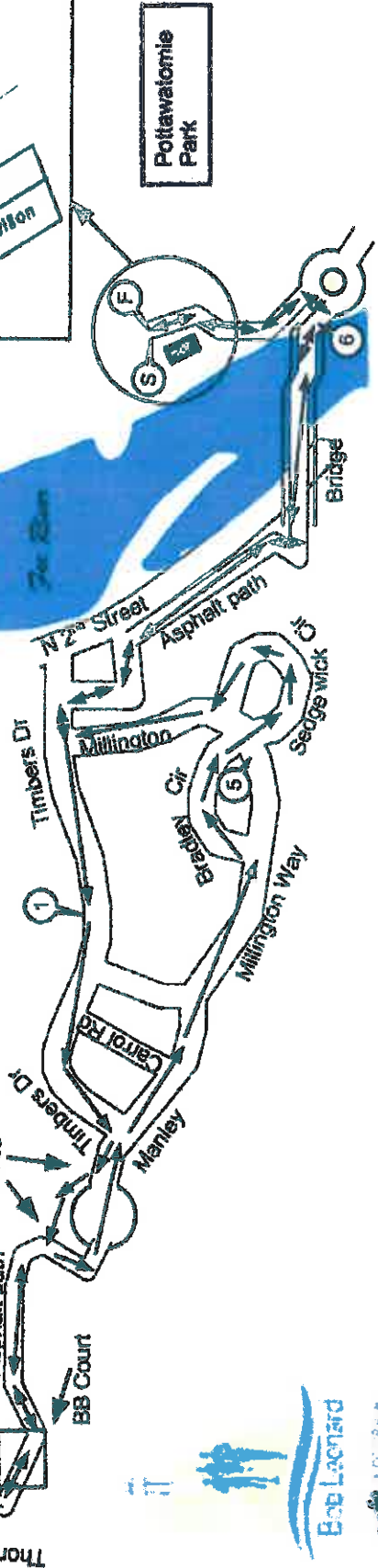
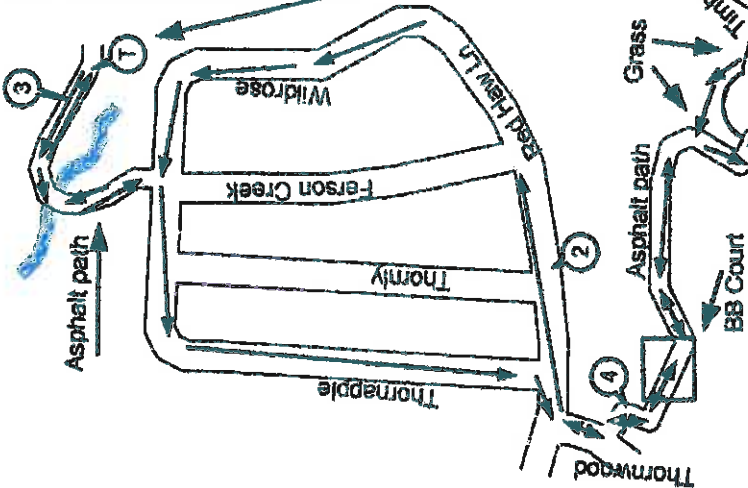
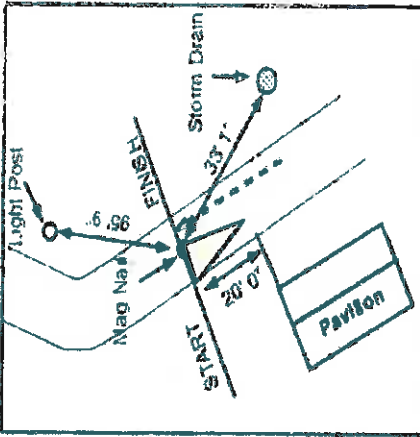
Date: April 26, 2017

Winston C Rasmussen • USATF/RRTC Course Certifier

3s441 2nd Street, Warrenville, IL 60555 • (630)393-4952 • W.Rasmussen@comcast.net



**NOTE:** This course starts and ends in Pottawatomie Park. It was measured along the shortest possible route except for the out and back spur on the path over Ferson Creek to the turn point and back.

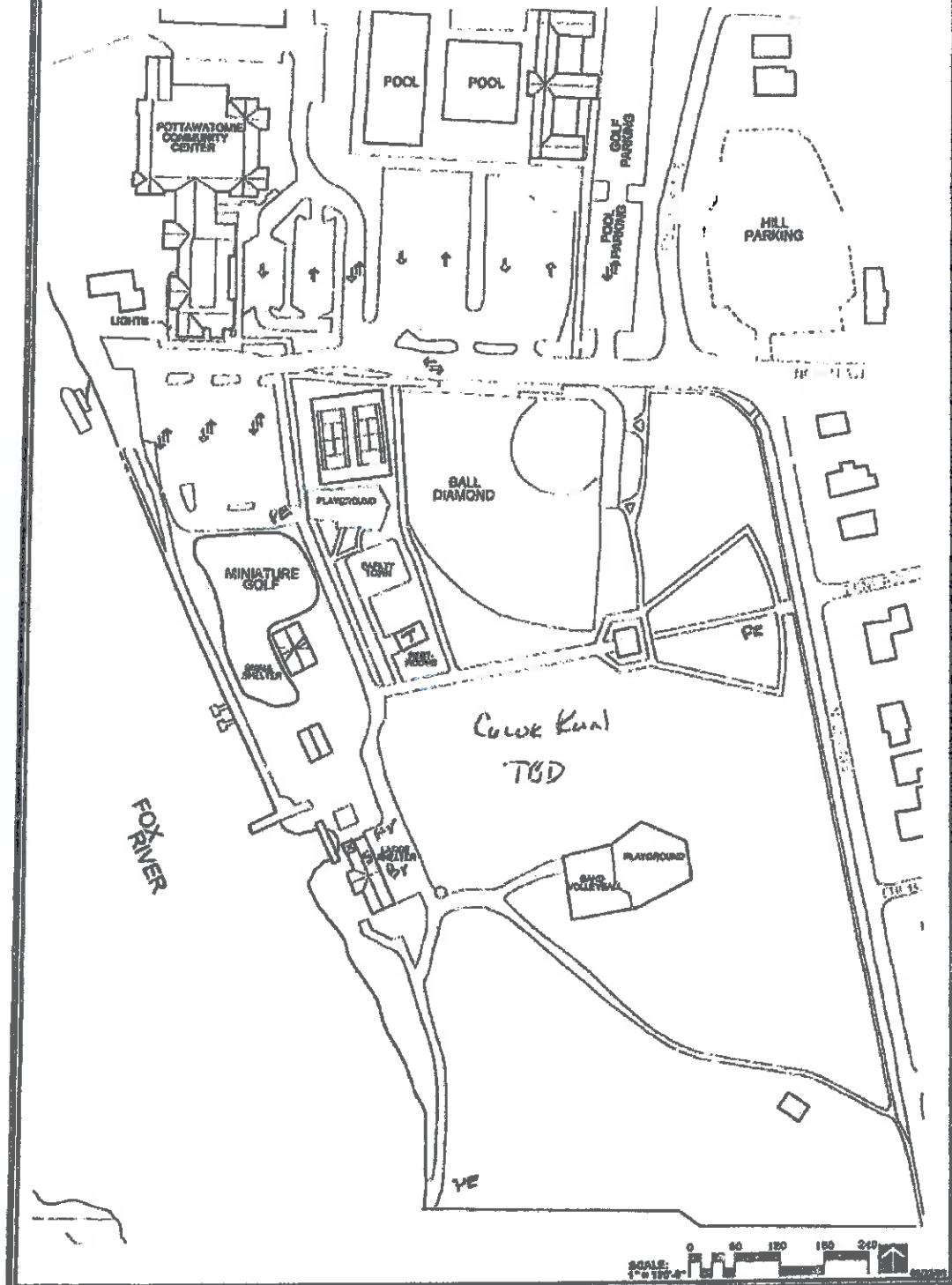




EVENTS MAP FOR:

# POTTAWATOMIE PARK

ST. CHARLES, ILLINOIS



1K Family Coke Run  
(within Pottawatomie Park)  
TBD



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 4.c

Title:

Recommendation to Approve School Resource Officer Agreement for School Year 2017-2018

Presenter:

Chief Keegan

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$N/A

Budgeted Amount: \$

Not Budgeted:

☐**Executive Summary** (*if not budgeted please explain*):

The annual agreement with D303 for police services in the high schools has been updated for this school year. The agreement has been approved by District 303 and will be fully executed once City Council approves it.

**Attachments** (*please list*):

\* Agreement with D303 for two School Resource Officers

**Recommendation/Suggested Action** (*briefly explain*):

The Police Department recommends approval of the School Resource Officer Agreement for school year 2017-2018.



AGREEMENT FOR POLICE SERVICES - 2017

THIS AGREEMENT made and entered into this 1st day of JULY, 2017, by and between the City of St. Charles, a municipal corporation, organized and existing under the constitution and the statutes of the State of Illinois (hereinafter referred to as the "City") and Community Unit School District 303, a unit school district organized under the statutes of the State of Illinois, (hereinafter referred to as "303");

WITNESSETH

WHEREAS, Article 7, Section 10 of the constitution of the State of Illinois, 1970, authorizes units of local government, including municipalities and school districts, to enter into contracts to exercise, combine or transfer any power or function not prohibited to them by law or ordinance; and

WHEREAS, Illinois Compiled Statutes, Chapter 5, Sec. 220/1 et seq., known as the Intergovernmental Cooperation Act, authorizes units of local government in Illinois to exercise jointly with any public agency within the state, including other units of local government, any power, privilege, or authority which may be exercised by a unit of local government individually and to enter into contracts for the performance of governmental services, activities and undertakings; and

WHEREAS, 303 has determined that it is in its best interests to provide police liaison services at its facilities, which are located within the City of St. Charles; namely, St. Charles North High School and St. Charles East High School, hereinafter referred to as "Schools"; and

WHEREAS, the City is a home rule unit which may exercise any power or function relating to its government and affairs; and

WHEREAS, the City's agreement to provide additional police services for 303 are actions which relate to the government and affairs of the City.

NOW, THEREFORE, for and in consideration of the mutual promises and undertakings set forth herein, and for other good and valuable consideration, the sufficiency of which is hereby acknowledged, the parties hereto hereby agree as follows:

1. Term of Agreement. This agreement shall become effective on August 23, 2017, and terminate on June 13, 2018.

2. Description of Services. The City, through its police department, shall provide a total of two (2) sworn officers to Schools, one officer per school (Hereinafter referred to as "Officers").

a. This Agreement is made pursuant to City's School Resource Officer (SRO) program. Generally this program involves the assignment of a City of St. Charles police officer to Schools. The base salary including fringe benefits of the assigned officers shall be entirely provided by

City with the exception of any and all overtime expenses incurred as a direct result of the SRO Program pursuant to this agreement which shall be paid by 303 at the particular officer's applicable rate. Although the officers shall remain employees of the City of St. Charles, upon assignment such officers shall work with and be under the general direction of 303 staff and shall establish and operate such programs and activities consistent with the intent of this program. Each sworn police officer shall be assigned to a specific school. Although remaining an employee of the City, the responsibility for direction and supervision of Officers when assigned to school duties shall be borne by 303. Officers shall work in the school as a member of the school's guidance team and serve many of the roles associated with a dean's assistant.

b. In addition to normal school duties, Officers shall attend specified extracurricular activities of Schools at the school administration's direction when possible and not in conflict with the Metropolitan Alliance of Police Chapter 27 (MAP) contract. These activities shall involve but may not be limited to athletic events and school-sponsored dances.

c. Although certain levels of counseling may be a part of the Officers' duties, serious counseling needs shall be referred to the School's professional staff.

d. As a member of the police department, Officers shall conduct original investigations of all criminal and quasi-criminal acts which occur during the regular school day which would have previously necessitated the dispatch of a patrol unit. In addition to conducting original investigations, Officers shall be assigned cases for follow-up through the City's Investigations Section. The criteria for assignment are the offender or victim's school assignment; time, date, and offense are secondary. Officers shall conduct such investigations in conjunction with other school responsibilities within reason. In any instance where a Police Officer becomes aware of a violation of school rules, not including violations of law, unless the situation is one requiring immediate action and investigation by the Police Officer due to imminent danger of harm to students or staff, the Officer shall refer the violation to the Dean's Office for follow-up investigation by the School. The School may request the continued participation or involvement of the Police Officer, as may be needed to complete its investigation. Searches and student interviews should be coordinated with school officials, except those instances where a Police Officer acts to prevent imminent harm to students or staff.

e. During extended school breaks, Officers shall be assigned in the City's police department as operationally necessary and directed by the Chief of Police.

f. The duties of Officers may include but are not limited to the following:

i. Promote rapport between police officers and students in the school.



- ii. Promote a working relationship with school staff.
- iii. Promote working relationships with other police liaisons within the 303 School District.
- iv. Meet periodically with building and district administration to discuss and evaluate police counselor activities.
- v. Make presentations to students, parents, and staff members on law and law enforcement, safety and good citizenship.
- vi. Refer troubled students to proper professional help within the student services division of the school and police department.
- vii. Plan preventive substance abuse programs.
- viii. Work with parents on runaway students.
- ix. Deal effectively with juvenile offenders.
- x. Assist school officials in the enforcement of truancy laws and work with truancy detail.
- xi. Represent the school on any criminal, misdemeanor, or traffic court action involving the students as appropriate.
- xii. Work beyond regular scheduled hours when required to successfully complete an assignment or case.

3. Staffing. The program shall consist of the City assigning one officer to St. Charles North High School and one officer to St. Charles East High School to act as the SRO for the respective schools. Each SRO shall begin his or her duties on the first day of school and continue each day that school is in session until the last day of classes. If during the term of this Agreement, the School Superintendent shall determine that either of the Officers is not suitable or is not able to meet the expectations of the School District, the Superintendent shall confer with the Chief of Police regarding the concern. If the concern cannot be addressed or resolved by action of the Chief of Police to the satisfaction of the School Superintendent, the Superintendent can request the assignment of a new Officer to the appropriate School. If the Chief of Police elects not to assign a new Officer to the School, the Superintendent shall have the right to terminate this Agreement upon 30 days' written notice to the Chief of Police. At the end of such 30 day notice, the District shall have no continued or remaining payment obligations for any additional services. The Police Department shall prorate the cost of services up to that point of the year and issue a final bill to the District for such police services.



4. Salaries and Other Related Costs. Pursuant to an Intergovernmental Agreement entered into by and between the City and 303 on August 15, 2011, the costs for services for school year 2017/2018 shall be waived.

Any overtime expenses necessitated by District scheduling requirements and in conjunction with Officers' duties shall be paid for by 303 at the Officer's overtime rate as established by the City through contractual agreements. Such overtime hours shall include but are not limited to the Officer's attendance at school dances, athletic events, or other school-related extra-curricular activities scheduled by 303.

City shall calculate overtime costs as approved by 303 and submitted by the Officers, and then bill 303 for any overtime costs incurred. Billing shall occur at the end of each semester period for the Officers' salaries and any overtime.

Additionally, 303 shall provide Officers office workspace, telephone and other related commodities as previously contributed.

5. Hours of Work. The days and hours of work are to be consistent with 303's 2017/2018 school calendar normal school hours of operation.

6. Assignment of Employees. All police department employees assigned to the 303 facility shall be at the determination and discretion of the City and the Chief of Police, with input from 303.

7. Status of Employees. All City employees assigned to providing police services for 303 shall remain City of St. Charles employees and shall not have any right, status or benefit of 303 employment.

8. Payment of Employee. 303 shall not be liable for the direct payment of salaries, wages or other compensation to City of St. Charles employees except as otherwise specifically provided herein.

9. Relationship of Parties. It is understood by the parties hereto that City and its employees are independent contractors with respect to 303, and no City employee assigned to 303 is an employee of 303. 303 shall not provide fringe benefits, including health insurance benefits, workers' compensation, retirement, paid vacation, or any other employee benefit, for the benefit of any City employee. This agreement shall not be construed to create a partnership, joint venture, employment or agency relationship, and shall not create any additional duties, either special or otherwise, on City. It is therefore understood that the School District is not a party to the City's Collective Bargaining Agreement.

10. Assignment. The obligations of the parties hereto may not be assigned or transferred to any other person, firm, corporation, or body politic without the prior written consent of both parties hereto.

11. Performance of Service. Officers shall perform general law enforcement duties and such other duties as assigned by the Chief of Police, consistent with the provisions of this agreement and on the grounds of an institution of education. City shall determine and apply standards for performance and discipline used in the delivery of the contract police services. It is agreed and understood that the services the City will be providing pursuant to this agreement are general law enforcement services only and that no special duty shall be deemed to be created by this agreement. It is further understood and agreed that this agreement is not intended nor shall be construed to alter, limit or constitute a waiver of any of the civil immunities afforded the City and/or its employees pursuant to the Local Governmental and Governmental Employees Tort Immunity Act at 745 ILCS 10/1-101, et seq., as amended, it being agreed that all of the civil immunities set forth in such Act, as amended, shall fully apply to any claims asserted or which might be asserted against the City and/or its employees as a result of this agreement or any of the actions of the parties pursuant to this agreement. Without limiting the foregoing, it is further agreed and understood that the City and/or its employees as a result of this agreement or any actions of the parties pursuant to this agreement shall not be liable to 303 or to any other person or entity for failure to provide adequate police protection or service, failure to prevent the commission of crimes, failure to detect or solve crimes or the failure to identify or apprehend criminals.

12. Accountability of Employees. Officers shall at all times be under the ultimate direction and control of the Chief of Police of the City.

13. Interruptions in Service. The parties hereto acknowledge and understand that temporary regular or special deployment of Officers may be necessary. Any and all such redeployment shall be at the sole discretion of the City's Chief of Police or his designee. In the instance of any such redeployment the City shall provide prompt notice to Schools.

14. Absence of Employees. In the event of the unavailability of any Officer due to extended sickness, injury, use of benefit time, or any other reason, such Officer shall be temporarily replaced by another City police employee as determined by the Chief of Police at no additional cost to School. In any such instance, the City shall provide prompt notice to the applicable School as to the nature of the absence, the expected duration, and the identity of the replacement officer.



15. Work Slowdown. In the event the City experiences any work slowdown or stoppage in its police force, the level of service provided to 303 under this agreement shall be at the discretion of the Chief of Police with adjustments in payment by 303 accordingly.

16. Additional Services. Any and all necessary backup services, including equipment and personnel, required to assist Officers in the performance of the obligations under this agreement shall be at the sole discretion and control of the Chief of Police of the City.

17. Penalty for Breach. In the event that either party fails to perform its obligations under this agreement, and if said failure to perform shall continue for thirty days after written notice thereof is given to the party having failed to perform, the other party may terminate the agreement. 303 shall be liable for payment to the City for actual costs incurred through the proposed termination date. In such event the City shall not be liable to 303 for any damages, either direct or indirect.

18. Payment. Payment for services provided under this agreement shall be waived pursuant to the terms of the Intergovernmental Agreement entered into by and between the City and 303 on August 15, 2011. City and 303 agree that any overtime costs that are incurred under this agreement shall be the responsibility of 303. The City shall generate invoices for overtime and/or extra duty immediately after said overtime duty has occurred. Payments shall be made by 303 within fifteen days of receipt from the City.

19. Notices. All notices required or permitted under this agreement shall be in writing and shall be deemed delivered in person or deposit in the United States mail, postage prepaid, addressed as follows:

City of St. Charles:

Chief James Keegan  
St. Charles Police Department  
211 North Riverside Ave.  
St. Charles, IL 60174

School District 303

Superintendent Donald Schlomann  
Community Unit School District 303  
201 South 7<sup>th</sup> Street  
St. Charles, IL 60174

20. Entire Agreement. This agreement contains the entire agreement of the parties hereto and there are no other promises or conditions or any other agreement whether oral or written. This agreement supersedes any prior written or oral agreements or negotiations between the parties.

21. Amendment. This agreement may be modified or amended only through a written amendment executed by both parties hereto.

22. Severability. If any provision of this agreement shall be held to be void, invalid or unenforceable for any reason, the remaining provisions shall remain in full force and effect.

23. Waiver of Contractual Right. The failure of either party to enforce any provision of this agreement shall not be construed as a waiver or limitation of that party's right to subsequently enforce and compel strict compliance with every provision of this agreement.

24. Applicable Law. This agreement shall be governed by the laws of the State of Illinois. Any action brought pursuant to this agreement shall be brought in the Circuit Court of Kane County, Illinois.

IN WITNESS WHEREOF, the parties hereto have executed this agreement at St. Charles, Illinois on the date first written above.

COMMUNITY UNIT SCHOOL  
DISTRICT 303

By 

CITY OF ST. CHARLES

By \_\_\_\_\_  
Mayor

Attest:

\_\_\_\_\_  
City Clerk

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.a

Title:

Presentation of Concepts from the Active River WBK Feasibility Study– Information Only

Presenter:

Chris Adesso/Greg Chismark – WBK, LLC.

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$ N/A

Budgeted Amount: \$ N/A

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

In October of 2016 the City of St. Charles, the St. Charles Park District and the River Corridor Foundation entered into an Intergovernmental Agreement (IGA) to jointly sponsor and fund an engineering feasibility study of the “River Park” concept as presented by the Active River Task Force. The study was to focus on the section of the Fox River located between the Main Street bridge and the UP-railroad trestle to the north. WBK Engineering was selected to perform the study which was expected to take about nine (9) months to complete and was intended to provide a “proof of concept” to the “River Park” idea. A copy of the study’s Executive Summary has been included in the back up documentation to tonight’s agenda item.

The study has been completed and Greg Chismark, Vice President of WBK, will present the concepts that were developed during the study, important information on the existing conditions of the river and cost estimates as requested by the Committee.

Also included as a supplemental document is a Memorandum from Active River Task Force Chairman, John Rabchuk that summarizes the Task Forces’ thoughts and opinions on the project and attempts to answer some Frequently Asked Questions.

**Attachments** (*please list*):

\* St. Charles Active River Park Executive Summary by WBK Engineering \* Memo from Active River Task Force \* FAQ – Frequently Asked Questions

**Recommendation/Suggested Action** (*briefly explain*):

None – For information only.



# **St. Charles Active River Park**

## **Project Summary June 16, 2017**

### **Purpose and Scope**

In 2015 the City of St. Charles, the St. Charles Park District and the River Corridor Foundation of St. Charles jointly updated the Fox River Corridor Master Plan intending to provide a strategic framework to enhance the Fox River as a resource for the community from an environmental, recreational and economic development perspectives. The Master Plan provides guidance for public and private investment / projects along the Fox River in St. Charles and recognizes the importance of connectivity of the river and adjacent land uses.

The City has engaged WBK to investigate alternatives to accomplish the objectives of the Master Plan with a focus on the section of the Fox River between Main Street and the Union Pacific Railroad (UPRR) trestle. This section of the Fox River is approximately 1100 feet long and includes the St. Charles – Fox River dam. The St. Charles dam is 300 feet long with a crest elevation of approximately 684. Mean daily flows can be approximated at 1200 cubic feet/second (cfs). Normal pool elevation is approximately elevation 686. Based on the best available records the dam is owned by the Illinois Department of Natural Resources.

The purpose of this study is determine qualitatively if dam modification appears feasible and to develop a set of concept alternatives that accomplish the objectives of the River Corridor Foundation of St. Charles Master Plan without significant / adverse impact to existing recreational uses of the river. This concept study phase will conclude by identifying significant challenges and opportunities created by proposed concept alternatives, as scoping items for future evaluation and engineering.

### **Existing River / Dam Conditions**

Two significant existing challenges exist within the study area of the Fox River; public safety and ecological impacts of the existing St. Charles dam. Public safety concerns with low head dams are well known and documented and including an evaluation of the St. Charles dam in the 2007 Run-of-the-River studies by the Illinois Capital Development Board. Uses of the river are restricted adjacent to the St. Charles dam. Flooding of IL 31 upstream of the St. Charles dam occurs when water levels in the Fox River rise and has traffic impacts. Approximately 820 feet of IL 31 adjacent to the project limits and upstream of the St. Charles dam lies within the 100 year floodplain of the Fox River. Additionally, the dam is a recognized impediment to fish passage and other species who make their home in and around the Fox River. The lack of fish biodiversity in certain segments of the Fox River as a result of dams is well documented and resulted in the advocacy for dam removal or modification to facilitate the restoration of riparian ecosystems. The development of alternatives consider these challenges and seek to improve safety and the Fox River ecosystem.

## **Opportunities**

### **Water Recreation**

Public activity on the water of the Fox River between Main Street and Pottawatomie Park is less than the activity occurring both north and south of the project limits. Direct access to the water is limited within the study area and the study area can be considered underutilized from a recreational perspective. Opportunities involve improved connectivity on the water and access to the water from trails and adjacent land uses. The Fox River serves as a recreational water resource and also as an attraction and backdrop to many land activities including walking, running, bicycling and many other Park District activities. Potential enhancement of water recreation includes improved kayaking, canoeing, and fishing with potential for competitive kayaking and recreational surfing among other water based activities. The project provides an opportunity to better connect Pottawatomie Park and the many existing water activities to downtown St. Charles businesses and customers. The Hotel Baker and Municipal Building are historic and significant land uses adjacent to the river with existing river access. We believe opportunities to provide enhanced access to the River and river trail / amenities will appeal to a broader segment of business patrons including potential for boat dock facilities within the pool at or north of the project limits.

### **Land Based**

If a project such as this is implemented we believe significant land use opportunities exist adjacent to the Fox River within the study limits. Opportunities include the relocation of the Police Station on the east side of the river and potential reduction in floodplain limits west of IL 31. Although the extent of floodplain reduction west of IL 31 is uncertain at this concept phase, any reduction together with the proximity to a significant recreational destination is expected to enhance intrinsic land value and encourage evaluation of current land uses. We expect the rekindling of commercial interest to synergize with the river improvements to enhance the downtown business climate for all businesses along and near the Fox River, including Salerno's, Hotel Baker, Century Corners, Third Street and Main Street businesses.

Walking trails – Perhaps the most significant improvement opportunity to enhance recreation and the St. Charles' downtown business district lies with land connections via trails and pathways adjacent to the Fox River. Although an existing Riverwalk exists along the east bank of the river, it is not continuous across Main Street and ends at the Municipal Building / Main Street creating a less than desirable interface for cyclists and pedestrians. Although access from the study area to Pottawatomie Park is provided, access is not obvious nor comfortable when busy. An opportunity exists to improve this condition and perhaps provide a visible gateway from downtown St. Charles to Pottawatomie Park. Although the project limits end at Main Street, the project has potential to safely and easily facilitate pedestrians and bicyclists along the Fox River and to a future riverwalk extension under Main Street. There is also potential to directly connect Main Street to the west bank Riverwalk at First Street further strengthening the commercial / recreational connection. Finally, a west bank Riverwalk has potential to extend north of the UPRR trestle to Boy Scout Island. If accomplished this connection would link Boy Scout Island to Pottawatomie Park and to the proposed improvements within the study limits.



## **Ecological / Cultural**

The ability of the project to improve the biodiversity of plants and animals within the study area and adjacent segments of the Fox River is a noteworthy opportunity for the community. We expect fish passage to be significantly improved as a result of the project. We propose to introduce native plants within the study area and adjacent areas to create habitat for fish and other riparian species such as turtles, mussels and birds. Public education of the river ecology can be accomplished through signage and collaboration with Park District and School District activities.

The St. Charles community is proud of its heritage and through historic preservation sustains the memories and stories of past civic leaders and community efforts. Although this project seeks to create a new beginning for this segment of the Fox River, respecting the adjacent historic architecture, incorporating existing art elements and preserving the story of the dam itself can all be incorporated into the project. In addition, an opportunity to expand an understanding of the pre-settlement community and culture can be incorporated into recreational, landscape and other elements of the project.

## **Alternative River Park Concepts**

The project team initiated development of alternatives by starting with the concept sketches in the Fox River Corridor Master Plan. We considered of a wide range of variations including modifying the existing dam, relocation of the dam, discussion on the extent of the study limits and consideration of multi-channel alternatives. We evaluated project elements against project goals, existing challenges and potential opportunities. We have developed three alternatives which we believe significantly improve public safety, enhance fish passage and provide recreational and economic development opportunities. While evaluating alternatives we sought to strike a balance between various interests to minimize impacts while providing benefit in accordance with project objectives.

Two primary concepts developed from our evaluation, primarily as a result the physical slope of the river across the study area. A single channel configuration achieves water “connectivity” and creates additional riverbank area for walking trails and riverbank amenities. The dual channel configurations expands the single channel concept to create a variety of paddling / water experiences by varying the slope of each channel. The island area is necessary to facilitate varying channel slopes and also creates a point of interest and facilitates enhanced access to the water. From these concepts we developed a total of three feasible alternatives; one single channel and two dual channel configurations. The alternatives are best depicted on three exhibits attached to this summary. A narrative overview of the alternative is provided hereafter:

- All concepts maintain the pool north of the UPRR trestle and have no adverse impact on 100 year flood elevations and will not result in sediment accumulation adjacent to Potawatomie Park.
- All concepts remove the dam in its entirety due to the proximity to Main Street and the adjacent walls of the Municipal Center and Hotel Baker.



- All concepts change the river profile from a single six foot drop at the existing dam to a series of three cascade drop structures across the length of the project. This serves to improve public safety and facilitate fish passage through this section of the river.
- All concepts include an upstream gated control structure with potential to reduce upstream flood elevations, to facilitate sediment transport and to support the existing recreational purposes. The type of gate and configuration is beyond the scope of this study however the Fox River has several gated structures / types between the Chain O Lakes and Dayton.
- All concepts narrow the width of the river from the existing pool condition to create additional riverbank to enhance access / use of the river and improve safety.
- The dual channel configurations have a “Primary” channel; depicted along the west bank of the area and an “Active” channel; depicted along the east bank of the area. This arrangement is reflective of the private land ownership along the west bank seeking to create activity on publicly owned land along the east bank. It also facilitates the confluence of State Street Creek at the west Bank of the river.
- The “active” channel in both dual channel alternatives have, in the terminology of paddle sports, a flatwater segment and a steep / whitewater segment. The primary difference between the dual channel alternatives is the location of the steeper segment being either closer to Pottawatomie Park or closer to Main Street.

Based on information gathered in accordance with the scope of this study we find these three alternatives feasible. It is noted that further study is necessary to define these preliminary concepts and to fully and better understand impacts, costs and schedule. In addition, other alternatives or variations of these alternatives may provide additional benefit or ability to mitigate impacts and may be developed or selected in the subsequent preliminary design phase of the project.

### **Other Similar / Recent Projects**

It is useful to compare the project concepts developed to previously constructed projects providing similar functions. Accordingly, a comparison of the St. Charles Active River Park study area was made to the Glen Palmer Dam modification /Marge Cline Whitewater Park, both on the Fox River in Yorkville, IL. This comparison validates the feasibility of a river park concept in St. Charles. The projects are similar from several aspects including: both projects are on the Fox River, the length and elevation differentials are similar at each dam locations, the Glen palmer Dam project was recently completed (2011) and the Glen Palmer Dam project resulted in agreements between the Illinois Department of Natural Resources (IDNR) and Yorkville for maintenance of the whitewater park. This comparison is made solely to validate the feasibility of a River Park in St. Charles through the similarities in river segments. However, there is no

comparison relative to the adjacent land uses including Potawatomi Park, Hotel Baker, Main Street and adjacent commercial districts.

## **Regulation**

Construction of a project in the Fox River involves a complex regulatory framework that involves public agencies and will also involve private landowner rights. The scope of this study was limited to review and engagement with the Illinois Department of Natural Resources – Office of Water Resources - Northeastern Illinois Regulatory Section (IDNR). Although a majority of the public regulation is under IDNR’s authority the following list of regulatory compliance is recognized for consideration in the preliminary design phase of the project.

- The following regulation is under the authority of IDNR:
  - Public Body of water regulated under IAC 3704 rules
  - Dam Safety including construction, removal and operation under IAC 3702 rules
  - Floodway Construction NE IL under IAC 3708 rules
- The following regulation is under the authority of the United States Army Corps of Engineers Chicago District Regulatory Branch:
  - Federal jurisdiction is through the Section 10 Public Waters – River & Harbors Act.
  - Wetland fringe United States Army Corps of Engineers (USACE) jurisdiction under Section 404 of the Clean Water Act
- Regulation under the authority of the Illinois Environmental Protection Agency (IEPA) includes:
  - In river work may be subject to either IEPA Section 401 Water Quality Certification and/or the more stringent IEPA Bureau of Water Anti-degradation rules.

The project team introduced the three alternatives presented herein to IDNR for review and preliminary comment. No regulatory issue was identified that would render the project infeasible nor was a “fatal flaw” identified. In general, IDNR felt the project was feasible from their regulatory perspective. There are regulatory conditions and constraints that will require compliance, however, there is no regulatory conditions identified that we can find at this time to render the project infeasible.

The following regulatory issues need to be resolved or clarified:

- Riparian rights of private land parcels immediately adjacent to the Fox River. These owners have the rights of use and access and public access at these 3 parcels requiring legal review separate from the IDNR process.

- Creation of land within the limits of the river by means of fill will need to be publically owned. This may also give rise to a license to use / operate.
- IDNR is not likely to take ownership of new structures within the river (i.e. upstream control structure / gates) so a public entity willing to commit to ownership and maintenance will be required. We are assuming at this point that the City of St. Charles or the St. Charles Park District would need to fill that role.
- Signage / setback requirements at upstream control structure / gates.
- In-river work restrictions to protect threatened and endangered species. Of primary concern in this area of the Fox River is protecting the breeding habitat and season for the Greater River Red Horse.

It was clear based on our meeting that the type and scope of this project is not typical for IDNR to process. Coordination between sections and workgroups is necessary to coordinate all of IDNR authority and concerns. Although the IDNR-OWR Northeastern Illinois Regulatory Section identified themselves as the coordinating section for IDNR, a well-defined process and schedule could not be provided. Identify a permitting process & schedule with all regulatory agencies and a legal review of riparian rights is warranted in the preliminary design phase of the project.

## **Construction**

The following outline is intended to demonstrate the feasibility of construction and generate an understanding of challenges and timeframes for construction of the project. It is based on a dual channel alternative. We envision the project to span at least two construction seasons and consist of multiple phases. One scenario includes the following major elements and phases:

1. Establish and set a temporary water control structure upstream just south of the UPRR trestle. This structure will serve to maintain the recreational pool north of the project location throughout construction.
2. Remove the existing dam to the elevation of the river bed. Dam abutments may remain pending structural evaluation of adjacent properties / structures.
3. Construct the south portion of the west (primary) channel and two intermediate cascade drop structures. A temporary A-frame structure can be erected parallel to the river to dewater the work area. Construct the south half of a concrete cutoff wall separating the two channels (The exact length of the cutoff wall is uncertain and the term "half" is used as an approximation). It is

anticipated this would be located in the core of the island and facilitate construction of the two intermediate cascade drop structures. The phase will not include State Street creek and will route the Creek north and around the A-frame elements.

4. Construct the north portion of the west (primary) channel and the upstream control structure. Provide A-frame cofferdams from the cutoff wall to the temporary water control structure at the upstream end of the project. Re-route State Street Creek through the recently completed phase. Modify the temporary water control structure as necessary to accommodate the new phase. Complete the north half of the cutoff wall from the prior phase to the north end of the project. Construct the permanent upstream control structure. Install control gates, mechanical and electrical elements including temporary controls.

#### End Year 1

5. Construct the east (active) channel. Modify the temporary water control structure as necessary to accommodate the new phase, perhaps remove the west half. Provide A-frame cofferdams from the cutoff wall to the temporary water control structure at the upstream end of the project. Construct the active channel head control structure and active channel features.
6. Complete the pedestrian connection to the UPRR pedestrian bridge and east bank walk / bikeway improvements. Modify the temporary water control structure to accommodate this phase.
7. Perform final filling, shaping and “tuning” of river elements.
8. Install bridges and hardscape elements on the island.
9. Install final gate controls and island electrical elements.
10. Construct ancillary plan items and support features.
11. Perform restoration of all disturbed areas including final plantings and landscaping.

### **Process / Schedule**

The process to design and engineer a dam modification / removal project typically includes two phases; preliminary design and preparation of final construction documents. Based on our findings and the need for further refinement, resolution and definition we believe this standard approach to be appropriate. The preliminary and final construction design phases would include:

- Preliminary Design



- Design development of two concepts (~20% design)
  - Field Investigations
    - Sediment depth and constituents
    - Bathymetric survey
    - Rock coring/testing
  - Meetings with all regulatory agencies
  - Refine cost estimates and schedule
  - Identify required field investigations
  - Identify and affirm funding sources
  - Legal evaluation of project
  - Public participation
  - Preliminary Design Report
- Go/No-Go Milestone
    - Select preferred alternative
    - Confirm funding sources
    - Continue communication with regulatory agencies & regulatory changes
  - Final Construction Documents
    - Final design development of preferred alternative
    - Final construction Plans, specifications, and contract documents
    - Final construction estimate and schedule / sequencing
    - Permitting and regulatory submittals
    - Legal requirements
      - Intergovernmental agreements
      - Easements / land rights
  - Bidding including major equipment procurement & construction services procurement
  - Construction Services

The project schedule for completion of preliminary and final design should be anticipated to be three years from authorization to proceed. This schedule could vary depending on project scope, sponsor agency interest in alternatives and regulatory requirements or changes. As noted previously, the project schedule for construction is anticipated to be two years. Procurement of a significant mechanical elements (i.e. gates) could be initiated prior to completion of final design to allow for manufacturing lead time if necessary.

## **Costs**

Concept level costs for the project have been developed based on the dual channel alternative and the construction phasing and sequencing noted herein. The goal of this task is to provide order of magnitude funding requirements. The feasibility of achieving the funding level required may be judged based on other projects the City has invested public funds in the recent past. These include Wastewater Treatment Plant Improvements, Red Gate Bridge and the First Street Redevelopment. No two projects of this magnitude are alike or have similar funding sources. Construction costs, without contingencies and soft costs, are estimated in the range of \$15 to \$16 Million. With contingencies and soft costs the total project costs range from \$20 to \$22 Million.

## **Conclusion**

Based on the team's understanding of existing conditions, the scope of proposed alternatives, regulatory requirements and stakeholder interests we believe the development of a successful River Park improvement project in St. Charles between Main Street and Potawatomie Park is feasible and will accomplish the objectives of the Fox River Corridor Master Plan. If public agencies desire to pursue these concepts, the next logical step is to develop a detailed preliminary design scope of services and to verify funding availability for preliminary engineering. This step would include public participation, regulatory agency coordination and legal review of project requirements.







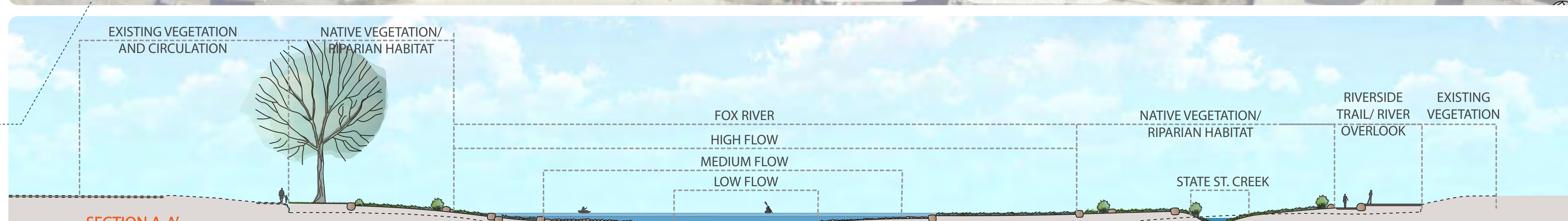
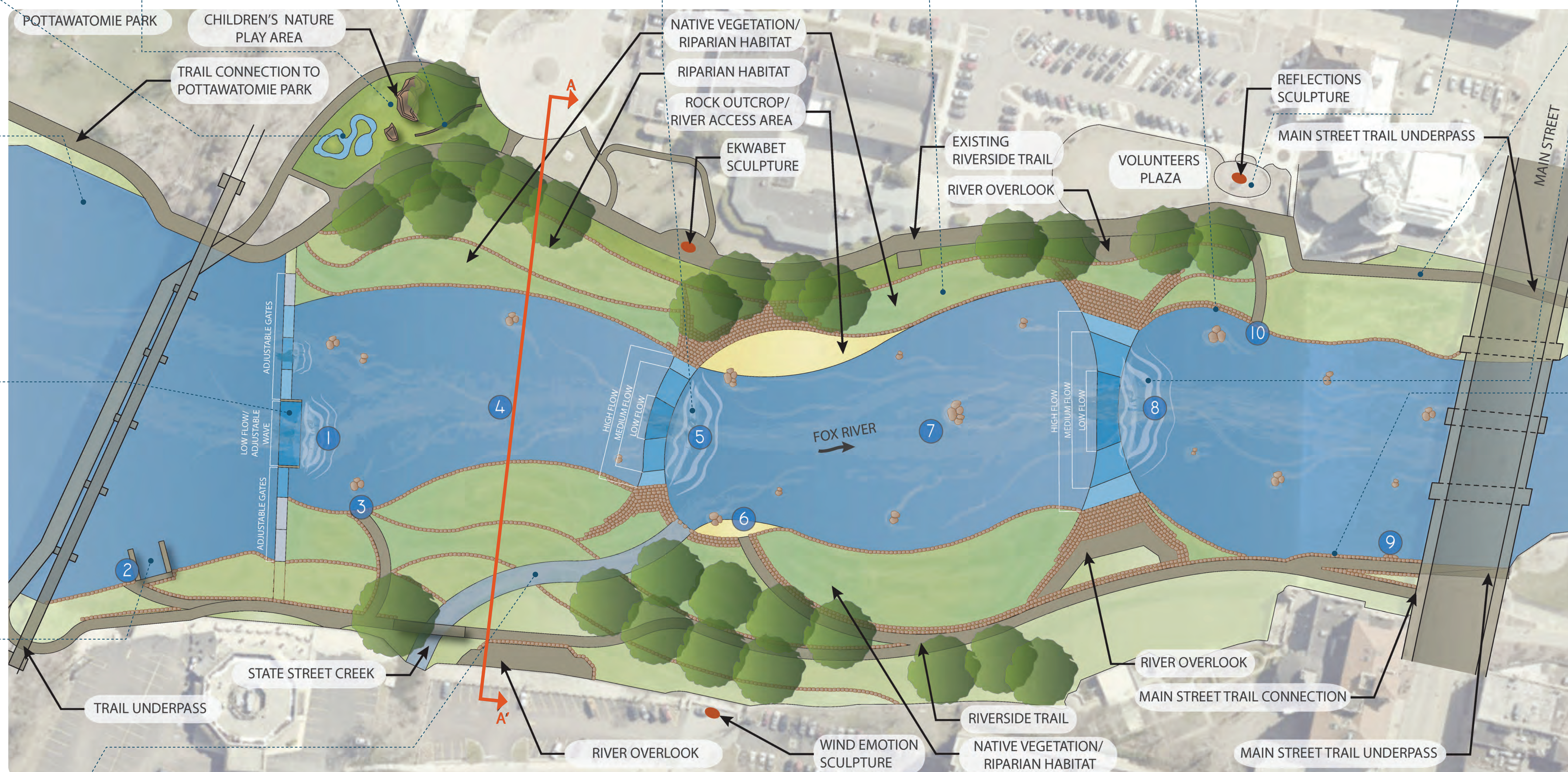
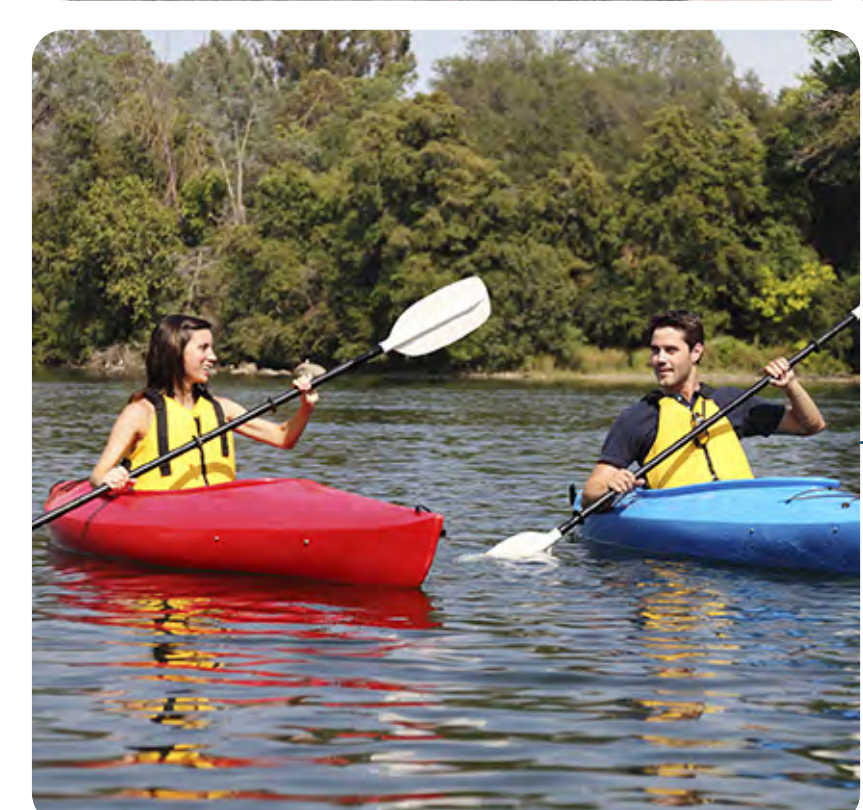
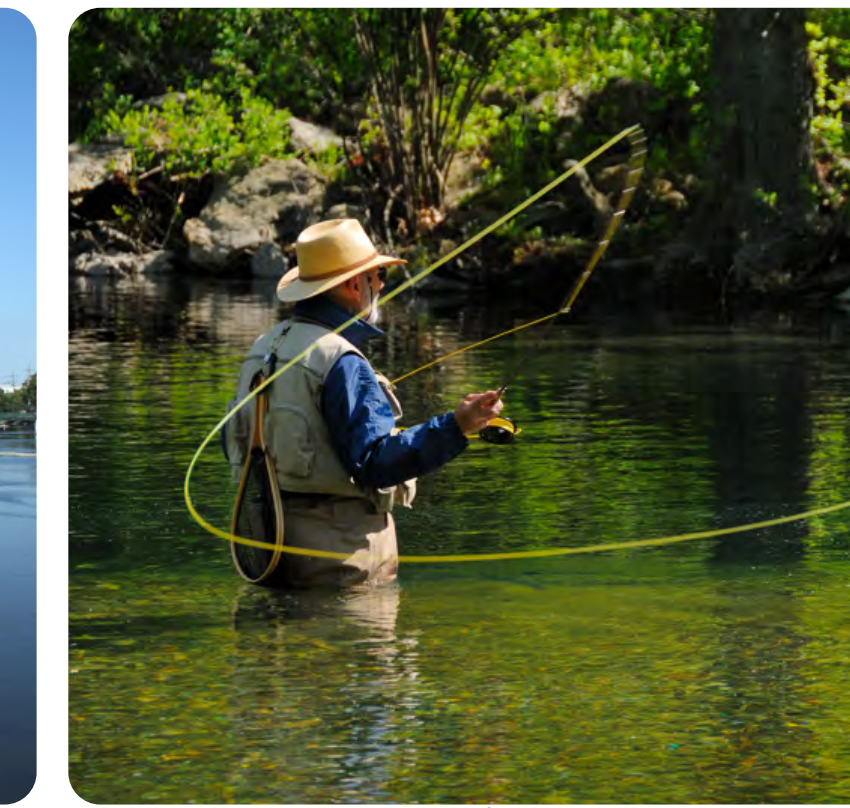
# St. Charles Active River Project

## Alternative One

WBK  
engineering

S<sub>2</sub>O  
REINVENTING WHITewater

June 26, 2017



### Legend

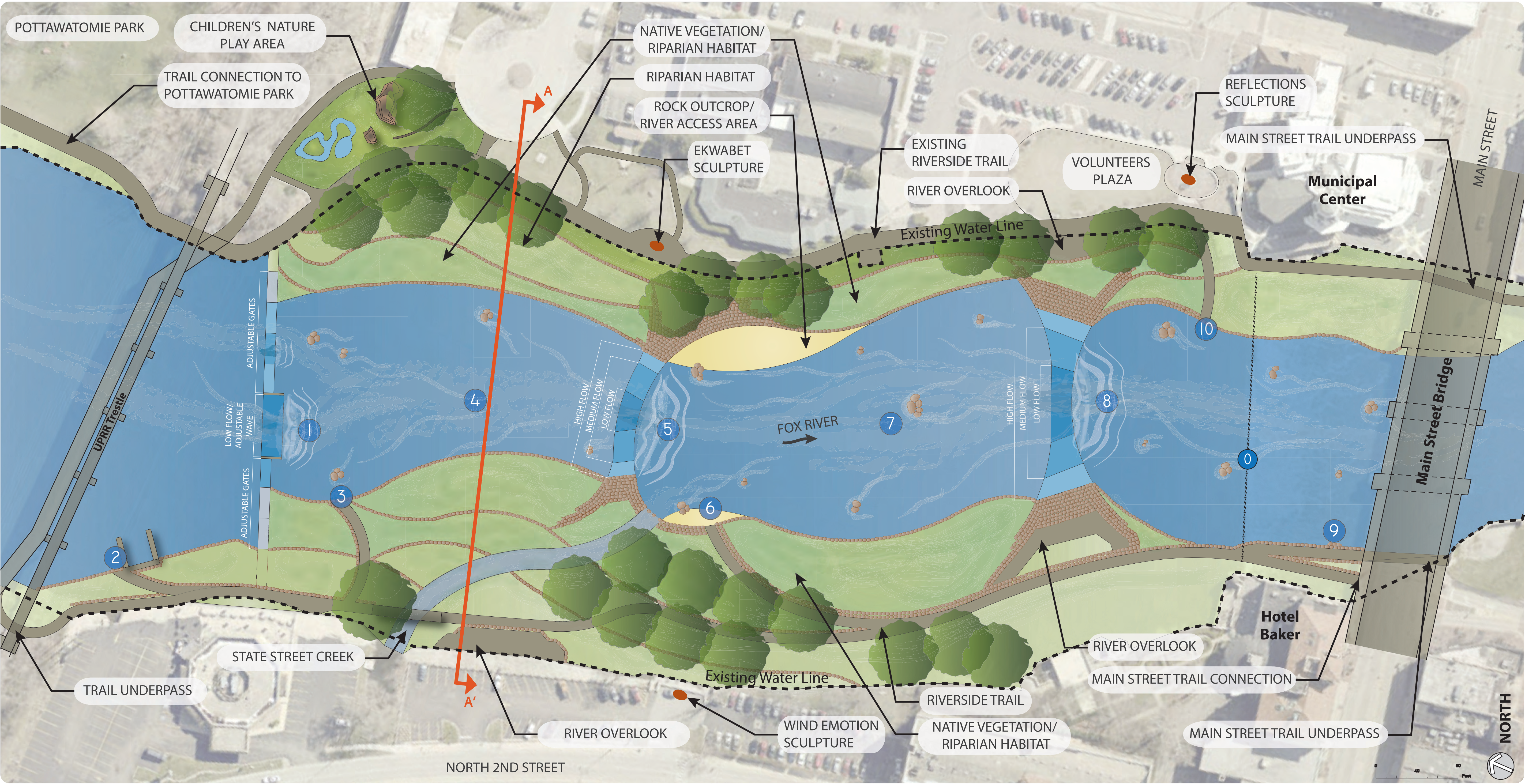
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- 2 Accessible River Access Point/Boat Dock
- 3 Accessible Put-in
- 4 Beginner Paddling Area
- 5 Active Feature: Beginner Hole
- 6 Accessible River Access Point/rock Outcrop
- 7 Intermediate Paddling Area
- 8 Active Feature: Intermediate/ Advanced Hole
- 9 River Access Point
- 10 Accessible Take-out/ River Access Point



St. Charles Active River Project

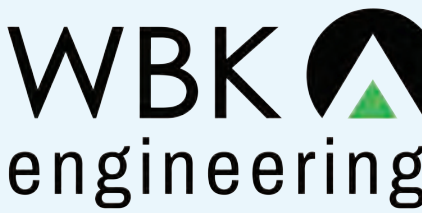
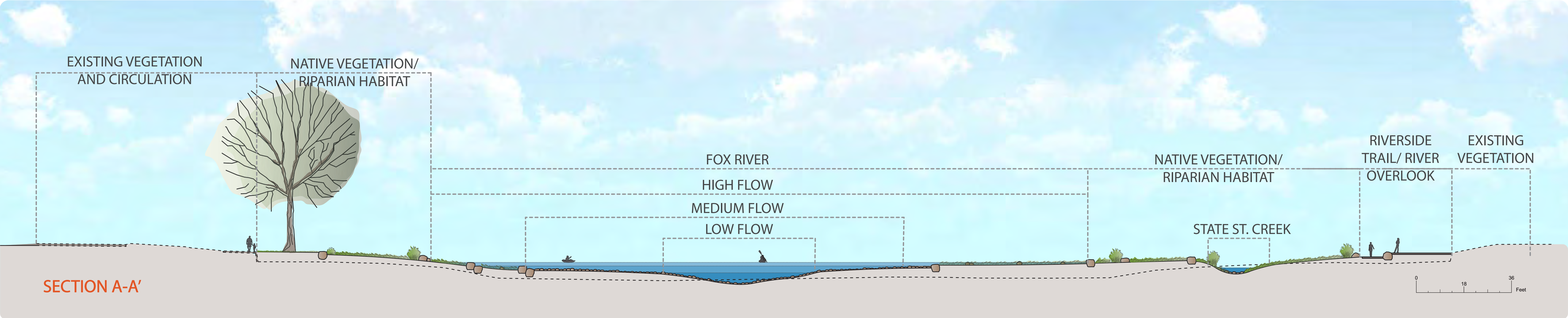
# Alternative One

June 26, 2017



### Legend

- 0 Existing Dam removal
- 1 Active Feature: Adjustable Headgate/ Wave
- 2 Accessible River Access Point/Boat Dock
- 3 Accessible Put-in
- 4 Beginner Paddling Area
- 5 Active Feature: Beginner Hole
- 6 Accessible River Access Point/rock Outcrop
- 7 Intermediate Paddling Area
- 8 Active Feature: Intermediate/ Advanced Hole
- 9 River Access Point
- 10 Accessible Take-out/ River Access Point



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St. Charles Active River Project

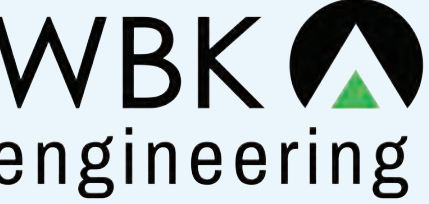
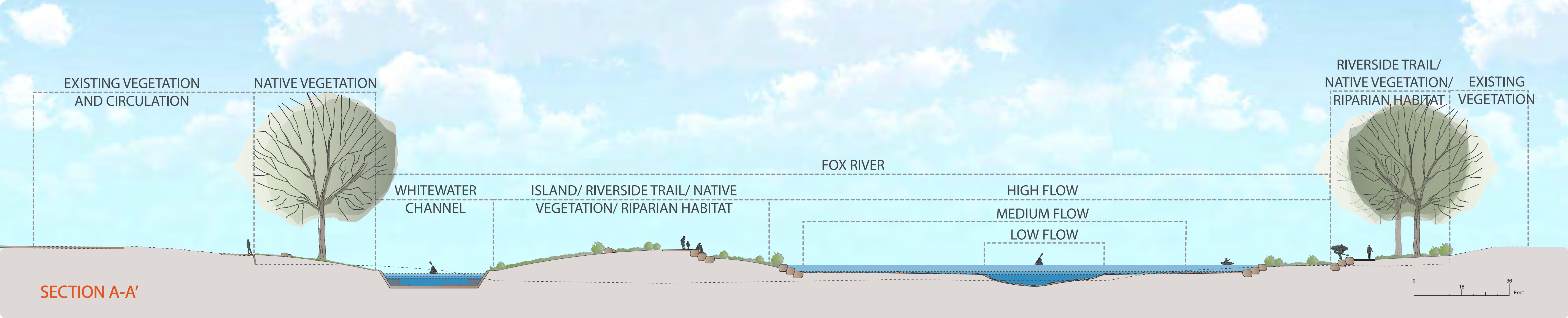
# Alternative Three

June 26, 2017



### Legend

- 0 Existing Dam removal
- 1 Active Feature: Adjustable Headgate/ Wave
- 2 Accessible Put-in/River Access Point
- 3 Beginner Paddling Area
- 4 Active Feature: Beginner Hole
- 5 Intermediate Paddling Area
- 6 Active Feature: Intermediate/Advanced Hole
- 7 Accessible Take-out/River Access Point
- 8 Active Feature: Adjustable Channel Headgate
- 9 Flat Water Channel Area
- 10 Advanced Whitewater Channel Area
- 11 Active Feature: Advanced Channel Wave Feature
- 12 Active Feature Advanced Channel Hole Feature
- 13 Channel Access Points



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## ACTIVE RIVER PROJECT MEMORANDUM



**TO:** MARK KOENEN

**FROM:** JOHN RABCHUK, ACTIVE RIVER TASK FORCE CHAIRMAN

**SUBJECT:** WBK ENGINEERING FEASIBILITY STUDY – TASK FORCE OVERVIEW

**DATE:** JUNE 11, 2017

**CC:** GREG CHISMARK, PETE SUHR, CHRIS ADESSO, HOLLY CABEL, RITA PAYLIETNER

In October 2016 the City, the St. Charles Park District and the River Corridor Foundation entered into an IGA to fund and contract an engineering feasibility study of the Active River concept proposal for the section of the Fox River located between the Main Street bridge and the UP-railroad trestle to the north. This contract was awarded to WBK Engineering and has been completed. The high-level results of this study are the project concept can be built. Greg Chismark, WBK, will present the study findings at the Government Services Committee meeting on Monday, June 26, 2017. The study results illustrate:

- 1) Is the project as conceptualized feasible from an engineering perspective? The answer is a strong yes.
- 2) Can we prove that the level of the water pool north of the railroad trestle can be maintained? The answer is a strong yes. None of the current boating and rowing activities on the Fox River north of the RR trestle would be impacted.
- 3) Is the project as conceptualized permissible by the appropriate regulatory agencies? The answer will be that all indications suggest that it is. WBK will provide details of their conversations with the regulators as part of the executive summary component of their presentation. The Illinois DNR indicated that they could not foresee any red flags that would prohibit something like the concept plan being implemented and are very intrigued with the potential of achieving their desired goal of removing dams, yet doing so in a way that enhanced recreational and economic development while also maintain many of the current uses (such as power boating and the Paddle Wheel boats – which would be eliminated if the St. Charles dam was simply removed).
- 4) Can we identify a rough estimate of the Phase I design and engineering costs? This will be included in their presentation, based on a concept layout. As no actual design has been created, the concept sketch was utilized for the purpose of providing enough information to build time estimates.
- 5) Can we provide a rough estimate of the construction costs involved with this project? This will be provided in the presentation. These rough estimates will be based on a theoretical concept plan, as no actual design/engineering work has been done for the project.

Knowing that this study generates questions as well as answering those items listed above, the Task Force has created a separate FAQ list (attached) to aide discussion within the Government Services Committee

The Active River Task Force believes that we need to celebrate the findings for a project that now confirms a concept; endorsed by the Park District Board and the City Council; may be built. Secondly, we need to think about next steps. As you are aware, the active river project in Greenville, SC, has been discussed. The Task Force has encouraged the Park District and City to send a team of elected officials and key staff to visit Greenville to see first-hand what a successful project is and learn from local officials the impacts this project had on the Greenville economy. Now that we understand the concept may be built, it would make sense to make this trip. Additionally, we would encourage the staffs of the Park District and City to begin a gather data/information on how to approach the project looking at the various elements of engineering/planning, construction phasing and long-term maintenance. Finally, we need to begin studying how to fund a project of this nature. For your information, the Task Force has been working to garner support from private parties and foundations with some success

and has identified state/federal grant programs that may be available to jointly fund this project with Park and City funding.



June 9, 2017

## **FAQ's for Government Services Committee of the St. Charles City Council**

### **Prepared by the Active River Task Force**

**Q1: Now that the engineering study is complete, what is the next step?**

A1: The next step is to identify engineering and construction phasing and investigate what funding mechanisms might be available to implement this project.

**Q2: If the funding was available, what is the next step?**

A2: The Phase I Design and Engineering must be completed prior to any applications for grants. This process will include gathering community input as well as studies of other, similar, successful projects.

**Q3: Do the concept designs included in the study reflect what the final project may look like?**

A3: The concept designs were utilized as the basis for the cost estimates. While these designs reflect a buildable design based on the detailed study of the riverbed, water flows, etc. any final design may be substantially different. The actual design needs to reflect community input, regulatory requirements, sponsorship commitments, environmental issues, and input from similar projects across the country.

**Q4: How would low water conditions affect the completed project?**

A4: In general, the basic concept designs call for returning the river to its natural, narrow condition within the project limits. This will provide potential for cycle and walking pathways underneath both sides of the Main Street bridge as well as increasing the space available for pathways on the east side of the river under the railroad trestle to better accommodate pedestrians and cycles in a safe manner. Low flow conditions are expected to mimic the conditions that currently occur downstream of the dam.

**Q5: How would high water conditions affect the completed project?**

A5: The concept designs accommodate 100 year flood conditions as indicated on those graphics. In fact, the project is expected to provide some flood plain benefit within the project limits including a reduction of floodplain inundation of Rt. 31. Any design will also assume that certain features, such as walking paths, may be flooded on occasion - just as we now have on the path under the Prairie Street bridge along the west side of the river.

**Q6: How will canoes and kayaks traverse the new cascade features contemplated in the concept designs?**

A6: The project will be designed specifically for safe passage by canoes and kayaks. The passage from upstream to downstream will be possible without portage. The passage from downstream to upstream will require a short portage, which will be facilitated with easy access to and from the river on wide access trails.

**Q7: Will the new project be safe?**

A7: A primary objective of the project is to improve public safety on the river. The concept plan would enhance safety with the tiered cascade layout and the dam-like control mechanism design(s) would minimize the water "boil". The proposed project will significantly improve public safety within the project limits.

**Q8: Who will own and maintain the new dam structures and other project components?**

A8: This is yet to be determined and is subject to discussions among the City, the St. Charles Park District and the Illinois Department of Natural Resources. We have identified specialized consulting firms that have helped many other successful projects define and organize the ownership and maintenance issues. This will include on-going funding mechanisms for both operational and capital requirements.

Q9: **Who will be responsible for clearing debris in the river?**

A9: See Q8 above. The City currently provides this service as required on the existing St. Charles dam.

Q10: **How does this project effect private landowners along the river?**

A10: In this portion of the project there are three private land owners. If the project proceeds with the next steps, the design team will need to work closely with those landowners along the west bank to ensure that their concerns and needs are addressed. We intend to provide those landowners with improved access to the downtown and enhanced business opportunities.

Q11: **What about overall project features north and south of this section (between Main Street and the RR trestle) of the river?**

A11: The section of the project defined for this engineering study is the key to many other components because of the potential for providing improved access under the Main Street bridge and in developing additional recreational opportunities that are the basis for improved economic development within the downtown district. The Park District has already begun planning for changes to the boat launch, parking and boat slips on Boy Scout Island; and have begun conceptualizing alternative routes for an improved bike trail along the east side of the river. Project components south of the Main Street bridge can be designed and constructed in future years as funding sources and needs are defined. It is envisioned that once this key section is designed and constructed that a number of opportunities will be presented for consideration. Already, a number of civic groups are contemplating sponsorship of components such as splash parks, climbing walls, etc. as additions to the overall project. Each of these proposals will be evaluated as they are presented relative to an approved final design complete with community and agency input.

Q12: **What happens to all of the silt that is built up behind the current dam, and won't the new dam structures cause silt build-up as well?**

Q12: The engineering feasibility study utilized a detailed river bottom survey conducted by the Corps of Engineers within the past few years. Included in this were detailed measurements of the actual silt depth in the river. The actual silt build-up behind the existing dam is minimal based on the data from this study. A majority of the existing sediment is located along the east and west banks of the river and will need to be carefully managed during construction in accordance with regulatory requirements.

Q13: **Will power boats be able to traverse the new project?**

A13: No, but we believe that there is potential to provide dock facilities to provide boaters with improved access to river trail networks and easy access to downtown businesses.

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.b

Title:

Recommendation to Award the Bid for the 2017 Concrete Survey and Cutting Program

Presenter:

AJ Reineking

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$45,000.00

Budgeted Amount: \$45,000.00

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

As noted last month, the City's sidewalk maintenance program consists of a three-pronged approach.

1. Raised sidewalks, which are most prevalent due to tree root issues, are ground to return the sidewalk to a level surface. This work is generally performed within established zones each year, as well as on an as-needed basis as conditions warrant.
2. Sunken sidewalks are lifted to meet the continuous grade.
3. Sidewalks that are significantly cracked or irreparably raised or sunken are removed and replaced.

Sidewalk grinding is a specialty field. The scope of this work includes the physical cutting or grinding of sidewalk as well as an inspection of all other sidewalks in the area to determine if either of the other remedies (concrete lifting or removal & replacement) would be required.

On April 10, 2017 the City publicly opened bids for these services.

Over the past seven years, the City has utilized Safe Step to assist in the maintenance of City sidewalks. Safe Step utilizes a dry grind and vacuum system to complete their cutting. This is a compact machine that is designed for use in residential areas. In addition, Safe Step's mapping and reporting has been very valuable to the success of the City's overall sidewalk maintenance program.

This year, the City also received a bid from Hard Rock Concrete Cutters. Hard Rock's method of cutting did not meet the specifications laid out in the invitation to bid document. They utilize a wet saw practice, which creates a concrete slurry that must be thoroughly washed from the work surface and adjacent landscape to not be noticeable. In addition, their equipment is rigged to a large tractor which has a wheelbase wider than most standard residential sidewalks. This is a cause for concern for adjacent landscaped areas and private sprinkler systems. While there may be certain areas of the community where this method would be appropriate, staff does not feel that this is the best application for the 2017 program.

**Attachments** (*please list*):

Bid Tabulation \* Bid Specifications \* Safe Step Bid Sheet

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to award the bid for the 2017 Concrete Survey & Cutting Program to Safe Step in the amount of \$27.00 per inch-foot cut, not to exceed the budgeted amount of \$45,000.00.

2017 Concrete Survey and Cutting Bid  
 Bid Tabulation

	Unit Price (per inch-foot)	Anticipated Quantity	Extended Total*
Safe Step, LLC	\$ 27.00	2,000	\$ 54,000.00
Hortonville, WI			
Hard Rock Concrete Cutters**	\$ 25.50	2,000	\$ 51,000.00
Wheeling, IL			

\*\$45,000 budgeted

\*\*Methods and processes do not meet specifications

# **INVITATION TO BID**

## **2017 CONCRETE SURVEY & CUTTING PROGRAM**

### **Description/Scope of Work:**

This work consists of the inspection of City sidewalks and concrete cutting. Based on the criteria established by the City, the contractor shall visually inspect, pre-identify, and measure and record sidewalk trip hazards suitable for saw cut repairs throughout the project area. The contractor shall identify and record sections of sidewalk that meet City criteria for slab removal and replacement, and slabs meeting City criteria for slab-jacking throughout the project area. After the inspection is complete, the contractor shall grind any deviations noted to achieve a contiguous level surface between sidewalk slabs.

### **Survey Specifications:**

Before any cutting work shall take place, Contractor shall survey identified Zone that work shall take place in and identify all vertical trip hazards in the project area that have slab displacements greater than 0.5" that would be candidates for cutting. Note any slab with a displacement of greater than 1.5" and provide a report of such locations to the City for alternative remedy (remove and replace or lifting).

After the survey is complete, but no later than one week before cutting work shall commence:

- Provide a report to the City which identifies a list of all displacements categorized by City Zone, street name, size of displacements, and an estimated cost of repair. The report shall also provide the square footage of slab panels impacted by the saw cutting repairs.
- Provide a report which identifies all slabs with displacement in excess of 1.5". Note these locations for the City to consider for removal and replacement and provide a report with address locations, GPS coordinates, and sq. ft. of slab replacement for each location.
- Provide a report which identifies all slabs that meet City criteria for slab jacking and provide a report with address locations, GPS coordinates, and number of slabs to be slab-jacked at each identified location.

### **Concrete Cutting Specifications:**

After the survey, once approval is given by the City, Contractor shall cut the sidewalk deviation to achieve a level surface. All equipment used in the process of cutting the sidewalk must fit on the sidewalk and not overhang the sidewalk which may adversely affect landscaped areas. Any sod or landscaped areas that are inadvertently impacted by cutting operation must be restored to their pre-work state within 36 hours after disturbance.

### ***Limitations of Operations***

1. Grinding of sidewalks to remove vertical separations shall not be allowed.
2. No storing of equipment or materials on the sidewalk or private property shall be allowed without prior approval of the City
3. All sidewalk saw cuts started in residential areas shall be completed by the end of the same work day in which they started. Sidewalk saw cutting through driveways of adjoining business properties shall be completed within two (2) hours.
4. The City may direct saw cuts at locations other than construction joints. Saw cuts directed by the City will be paid for at the contract unit price bid.



5. Saw cutting shall be done by a means that will eliminate any dust. Any debris from sawing shall be removed from the sidewalks and/or pavement to reduce possible tracking.
6. At no time shall the contractor cause excessive dust – in the sole opinion of the City – to be airborne. Any dust created by the cutting process must be damped with water or immediately consumed by a vacuum system. If dust is remediated with water, any and all debris or slurry created as a result of the process must be cleaned the same day. Slurry must be immediately contained and will not be permitted to stand on the sidewalk or run into the parkway or residential property.

***Saw cutting of Sidewalks, Driveways, and Curbs – Description***

1. The contractor shall take precautions during saw cutting operations to not disfigure, scar, impair or damage any surrounding surfaces including, but not limited to, sidewalk, driveway, roadway, steps, walls, railings, light poles, turf, or any public or private installations such as trees, irrigation, sprinkler heads, electric fences, etc.
2. All potential trip hazards marked for saw cutting must be removed in accordance with the American with Disabilities Act (ADA) requirements with the resulting finish being ADA compliant. Each offset must be tapered at 1:12 slope and must have smooth uniform appearance and texture.
3. The finished surface shall have a coefficient of friction of at least 0.6.
4. The finished result of each cut shall be taken to a zero point of differential settlement along the entire length of the cut and to both edges of the sidewalk to eliminate the potential for trip hazards the full width of the sidewalk.
5. Existing concrete, asphalt mixes, or other types of material used to shim raised sidewalks shall be removed from adjacent sidewalk stones prior to saw cutting sidewalks.

After completion of saw cut repairs, the contractor shall submit a listing of all saw cut repairs made in the project area. A physical address of adjacent property and a GPS coordinates are to be provided for each location with the dimensions of the slabs impacted by the saw cut repair.

**Method of Measurement:**

Saw cutting of sidewalk will be measured for payment in inch-feet of sidewalk cut. The cost of cleaning sidewalk shall be included in the price bid for saw cutting. The quantity of sidewalk cut will be determined by multiplying the average sidewalk vertical separation height by the length of saw cut along the joint on each verticle separation in inch-feet. The Contractor is required to record and submit, with each invoice, the exact dimensions of each verticle separation removed per location. Depth shall be measured to the nearest 1/8 inch.

**Basis of Payment:**

This work shall be paid for at the contract unit price per inch-feet for saw cutting sidewalk. Price shall be payment in full for all labor, equipment, tools, materials, mobilizations, survey, generation of lists for mitigated and non-mitigated vertical separations, and all other costs associated with such work as specified herein. The City anticipates approximately 2,000 in-ft to be included in this contract. This is in no way a guaranteed minimum or maximum quantity. Actual quantities will be based on field conditions identified in the survey.

**Location and Duration of Work**

Work for this contract shall take place within the corporate limits of the City of St. Charles. Specifically, the City anticipates work to be completed in the maintenance Zones 7 and 9 established by the Public Works Department.

<b>Zone 7</b>	
Northern Border	Johnnor Ave & Stonehenge Rd
Eastern Border	Persimmon Dr. & Hunt Club Drive
Southern Border	Main Street/IL Route 64
Western Border	Fox River

<b>Zone 9</b>	
Northern Border	Royal Fox Drive
Eastern Border	City Limits: Royal Fox Drive & King James Ave & Smith Rd
Southern Border	Main Street/IL Route 64
Western Border	Dunham Rd.

Work will begin at a time mutually agreed upon by the City and the Contractor. Once the contractor receives approval to begin work, work shall be continuous until the list is complete. Any costs incurred for mobilization are considered incidental to this contract.

This contract may be terminated at any time for any reason by the City. Work will generally cease when all identified locations for survey and concrete cutting have been addressed by the contractor, or when the City's allocated funds have been expended.

**Hours of Work:**

All work shall take place Monday through Friday between the hours of 7:00 AM and 5:00 PM. Work beyond those hours or on Saturdays must be approved by the City. No work shall take place on Sundays.

**Term of Contract:**

Prices shall remain fixed for a period of one-year, beginning May 1, 2017 and concluding April 30, 2018.

**Qualifications of Contractors:**

In addition to the requirements set forth in this document above, any bidder submitting a bid on this project must demonstrate competence, reliability, and be actively engaged in this specific type of work. The contractor must demonstrate competence prior to or along with submitting a bid by including a history and references, listing completion dates, and submitting bonding information for prior projects, and/or performing an on-site demonstration of their capacity to perform the work as required. The City reserves the right to disqualify a bid and/or contractor if they are deemed not to be competent or reliable. The City also reserves the right to select the bid deemed to be most advantageous to the City.

**Compliance with Laws:**

The successful bidder must comply with all applicable laws, including without limitation the Illinois Human Rights Act, the Public Works Employment Discrimination Act, and the Illinois Prevailing Wage Act. Contractor's certified payroll is required to be submitted with all pay requests/invoices. No invoices will be paid without this documentation.

Questions may be submitted to Tony Bellafiore, Public Works Division Manager no later than Wednesday, April 5, 2017 at [tbellafiore@stcharlesil.gov](mailto:tbellafiore@stcharlesil.gov).

**City of St. Charles**  
**2017 Concrete Survey & Cutting Program**

Bids will be accepted until 2:30 PM on Monday, April 10, 2017.

Company: \_\_\_\_\_

Company Address: \_\_\_\_\_

Contact: \_\_\_\_\_ Contact Phone Number: \_\_\_\_\_

Contact Email: \_\_\_\_\_

Signature of Authorized Agent: \_\_\_\_\_

**BID**

Item	Anticipated Quantity	Unit Bid Price
Survey & Saw Cutting Sidewalk	2,000 in.-ft	\$ /inch-foot

List any and all deviations from minimum specifications:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify that I am acting as an agent for the firm designated below and that the firm will sell to the City of St. Charles the product(s) described herein for the amount specified above. Further, I certify that all exceptions or deviations from the attached detailed specifications are clearly stated in writing and the price quoted shall include all terms specified unless otherwise noted.

\_\_\_\_\_  
Signature of Authorized Representative

PLEASE TYPE OR NEATLY PRINT THE FOLLOWING INFORMATION

\_\_\_\_\_  
Name of Authorized Representative Title

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City State Zip Code

\_\_\_\_\_  
(Area Code) Phone Number

**City of St. Charles**  
**2017 Concrete Survey & Cutting Program**

Bids will be accepted until 2:30 PM on Monday, April 10, 2017.

Company: SAFE STEP LLC  
Company Address: 130 INDUSTRIAL PARK AVE. HORTONVILLE, WI 54944  
Contact: Robert Straus Contact Phone Number: 920.540.7414  
Contact Email: Rob@Nottripping.com  
Signature of Authorized Agent: [Signature]

MAILING ADDRESS:  
PO BOX 411  
Hortonville, WI  
54944

**BID**

Item	Anticipated Quantity	Unit Bid Price
Survey & Saw Cutting Sidewalk	2,000 in.-ft	\$ <u>27<sup>00</sup></u> /inch-foot


List any and all deviations from minimum specifications:

I certify that I am acting as an agent for the firm designated below and that the firm will sell to the City of St. Charles the product(s) described herein for the amount specified above. Further, I certify that all exceptions or deviations from the attached detailed specifications are clearly stated in writing and the price quoted shall include all terms specified unless otherwise noted.

Signature of Authorized Representative

PLEASE TYPE OR NEATLY PRINT THE FOLLOWING INFORMATION

Name of Authorized Representative Christopher R. Orr Title Owner/Member  
Company Name SAFE STEP LLC  
Street Address 130 INDUSTRIAL PARK AVE.  
City Hortonville State WI Zip Code 54944  
(Area Code) Phone Number 920.222.0954 / 920.540.7414

	<b>AGENDA ITEM EXECUTIVE SUMMARY</b>		Agenda Item number: 5.c
	Title:	Recommendation to Award the Bid for Tree Trimming and Removal Services	
	Presenter:	AJ Reineking	
Meeting: Government Services Committee		Date: June 26, 2017	
Proposed Cost: \$270,000		Budgeted Amount: \$270,000	Not Budgeted: <input type="checkbox"/>
<b>Executive Summary</b> <i>(if not budgeted please explain):</i> <p>Tree trimming is a very important component to proper management of the City's urban forest as well as to the City's electric reliability efforts.</p> <p>The City has historically completed contractual tree services on an hourly basis. This year hourly rates were solicited once again; however, the electric utility requested pricing to provide electric line clearance services on a per circuit basis for four individual circuits. This is a new best management practice employed by neighboring electric utilities. Hourly rates will continue to be used for scheduled and emergency work as required outside of electric circuit clearance.</p> <p>Given the volume and scope of work to be completed, as well as the need for sufficient on-call emergency responders with specialized equipment, we recommend awarding the contract to the two most responsive and responsible bidders, with the lowest bidder being utilized for scheduled tree work as their availability allows.</p> <p>The City has used DeMar and Skyline in previous forestry programs with excellent results. Having two contractors will create a diverse operational advantage for the Electric Utility and Public Services operations.</p>			
<b>Attachments</b> <i>(please list):</i> <p>Bid Tabulation * Bid Specifications * DeMar Bid Sheet * Skyline Bid Sheet</p>			
<b>Recommendation/Suggested Action</b> <i>(briefly explain):</i> <p>Recommendation to award the bid for Tree Trimming &amp; Removal Services to DeMar Tree Service in the amount not to exceed \$200,000.00 for electric line clearing and scheduled and emergency tree work, and to Skyline Tree Service in the amount not to exceed \$70,000.00 for scheduled and emergency tree work.</p>			



**2017 Tree Trimming & Removal Services Bid**  
**Bid Tabulation**

	DeMar Tree Service St. Charles, IL		Skyline Tree Service St. Charles, IL		Asplund Tree Expert Co. Willow Grove, PA		Green Scene** St. Charles, IL
<b>Electric Line Clearing</b>							
Circuit 311	\$	43,900.00	No Bid		\$	87,369.70	\$ 21,250.00
Circuit 314	\$	9,800.00	No Bid		\$	39,361.40	\$ 11,250.00
Circuit 331	\$	35,900.00	No Bid		\$	38,009.40	\$ 10,000.00
Circuit 214	\$	76,000.00	No Bid		\$	69,458.40	\$ 8,750.00
<b>Total Electric Line Clearing</b>	<b>\$</b>	<b>165,600.00</b>	<b>No Bid</b>		<b>\$</b>	<b>234,198.90</b>	<b>\$ 51,250.00</b>
<b>Hourly Rate</b>	<b>Straight Time</b>	<b>Overtime</b>	<b>Straight Time</b>	<b>Overtime</b>	<b>Straight Time</b>	<b>Overtime</b>	<b>Rate</b>
Foreman	\$ 34.00	\$ 68.00	\$ 42.00	\$ 57.12	\$ 55.98	\$ 74.29	\$ 75.00
Climber	\$ 34.00	\$ 68.00	\$ 42.00	\$ 57.12	\$ 51.27	\$ 67.59	\$ 80.00
Groundman	\$ 34.00	\$ 68.00	\$ 42.00	\$ 57.12	\$ 35.42	\$ 44.93	\$ 70.00
Bucket Truck	\$ 11.00	\$ 11.00	\$ 30.00	\$ 40.80	\$ 22.63	\$ 22.63	\$ 120.00
Chipper Truck & Chipper	No Charge	No Charge	\$ 30.00	\$ 40.80	\$ 22.67	22.67	\$ 120.00
Log Truck	No Charge	No Charge	\$ 15.00	\$ 20.40	\$ 35.76	\$ 35.76	\$ 140.00
Pickup Truck	\$ 11.00	\$ 11.00	\$ 10.00	\$ 13.60	\$ 13.09	\$ 13.09	\$ 70.00
Stump Grinder	\$ 20.00	\$ 20.00	\$ 20.00	\$ 27.20	\$ 19.06	\$ 19.06	\$ 90.00
<b>Total Hourly Rate</b>	<b>\$ 144.00</b>	<b>\$ 246.00</b>	<b>\$ 231.00</b>	<b>\$ 314.16</b>	<b>\$ 255.88</b>	<b>\$ 300.02</b>	<b>\$ 765.00</b>

**Other Rates**

Brush Hog	\$ 20.00	\$ 20.00	\$ 33.10	\$ 33.10
Clam Loader Truck	\$ 24.00	\$ 24.00		

\*\*Bid was withdrawn at bidders request.

# **INVITATION TO BID**

## **Electric Utility Clearance & Parkway Tree Maintenance Bid**

### **City of St. Charles**

The City of St. Charles is seeking qualified contractors to provide tree trimming, tree removal and stump removal services for the City of St. Charles' Public Services Division and Electric Utility. The work involves trimming/line clearing around energized electric circuits up to 34.5 KV as well as trimming and removal of parkway trees on an as-needed basis.

Bid forms and specifications are available on the City's website or for pick-up at the City of St. Charles located at 2 E. Main Street, St. Charles, IL 60174

Bids are due and will be accepted until 2:00 P.M. on May15, 2017.

#### **1. INTENT**

The City of St. Charles desires to enter into agreement with up to two (2) contractors to provide tree trimming, tree removal, and stump removal services, as well as electric line clearing. The locations will be throughout the City of St. Charles within the City limits. The project will be divided into two core components:

- a) Circuit Trimming – Contractor will be required to perform electric line clearing on a lump sum basis for up to four (4) complete circuits (311, 314, 331 & 214). *Maps of the circuits are attached to this Invitation to Bid.*
- b) General Trimming & Removals / Parkway Maintenance - Contractor will be asked to provide tree trimming, tree removal, and tree stump removal services on an as-needed basis. This work will be performed on a scheduled and emergency basis throughout the year. This pay item will be based on an hourly rate.

#### **2. SCOPE OF WORK**

The contractor shall be responsible for all services required herein to be performed, and shall provide and furnish all labor, materials, necessary tools, expendable equipment and supplies, vehicles and transportation services required to perform and complete the electric line clearing, trimming, removal, & stump removal services from defined areas within the corporate limits of the City of St. Charles for the duration of the contract. Such services shall be performed within the corporate limits of St. Charles and any territory hereinafter annexed thereto, all in strict accordance with the contract.

All work shall be performed by experienced personnel directly employed by the Contractor. The Contractor shall provide management and technical supervision through competent supervisors as required to implement the required contract. The Contractor

shall be responsible for the skills, methods, and actions of the Contractor's employees and for all work.

### ***General Trimming & Removals***

**Tree/Stump Removal:** Removals with Stumping shall be indicated by the Public Services Division Manager, Electric Utility Foreman, City Arborist, or designated representative. All above ground parts of the tree shall be removed. Stumps shall be ground as indicated below within one (1) week of each removal.

Stump Removal Requirements shall be as follows:

- The contractor shall have all stump locations surveyed for underground utilities (JULIE) prior to stump grinding.
- The Contractor shall use protective guards around the stump while grinding to mitigate flying wood chips and or debris.
- The tree stumps shall be ground to a minimum depth which completely removes the heart of the stump and the roots. Sites that will be re-planted will require the current stump to be ground to no less than 24'' below grade. Sites that will not be re-planted will require the current stump to be ground to no less than 12'' below grade.
- All surface roots within three (3) feet of the sidewalk shall be removed.
- No damage is allowed to the lawn further than six (6) inches from any removed surface root. The Contractor will be responsible for the repair of any ruts or other damage that might be caused during the execution of this contract.
- The void created during the stump grinding process shall be backfilled with grinding material and made level the same day the stump is removed. If left unattended prior to backfilling, barricades or road cones shall be placed around the hole, in a manner that provides adequate warning to the general public.
- When required, ground wood chips from the stump removal shall be used with imported loamy soil (free of woodchips and debris) to backfill the hole. A mix of 40% wood chips and 60% loamy shall be used for backfill purposes, leaving a two (2) to three (3) inch mound of mix to allow for settling. All extra chips shall be disposed of by the Contractor. All areas around the removed stump with backfill shall be graded to match the existing grade of the area. All debris is to be completely removed and cleared from the site prior to moving to the next location.

**Tree Pruning:** All tree pruning in the City of St. Charles shall be done according to ANSI A300 American National Standard for Tree Care Operations, Part 1 - Tree, Shrub, and Other Woody Plant Maintenance - Standard Practices (Pruning), ANSI Z133.1 2000 American National Standard for Arboricultural Operations - Pruning, Repairing,

Maintaining, and Removing Trees, and Cutting Brush – Safety Requirements, and the International Society of Arboriculture (ISA) Best Management Practices: The Contractor shall provide all materials and labor needed to prune, repair, maintain, or remove the tree(s) indicated by the Public Services Division Manager, City Arborist or designated representative.

Pruning Requirements shall be as follows:

- Complete Tree Pruning: All trees shall be completely pruned, which is defined as having crown cleaning, crown thinning, crown raising, mistletoe removal and additional requirements as indicated below, unless otherwise indicated by the Public Services Division Manager, City Arborist, or designated representative. Other pruning operations such as crown reductions, crown restorations, utility pruning and specialized pruning shall be discussed with the Public Services Division Manager, City Arborist or designated representative.
- Crown Cleaning: The removal of dead, dying, diseased, broken, crowded, crossing, weakly attached, low-vigor branches, water sprouts from the trees crown, and suckers from the base. All dead wood one (1) inch in diameter and greater shall be removed. All water sprouts and suckers shall be removed.
- Crown Thinning: The selective removal of unwanted live branches and limbs in order to provide more light and air penetration through the tree and/or lighten the weight of the remaining branches. Thinning cuts shall be made at all times unless otherwise indicated by the Public Services Division Manager, City Arborist, or designated representative. When thinning mature trees never remove more than one fourth (1/4) of the live foliage unless otherwise indicated.
- Crown Raising: The removal of lower branches in order to provide clearance for buildings, vehicles, pedestrians and vistas. Branches shall be removed as necessary to provide a minimum of fifteen (15) feet clearance over the street and a minimum of fifteen (15) feet over the sidewalk, unless otherwise indicated by the City. Trees shall be evenly raised for the entire diameter of the tree. Trees determined to have been trimmed unevenly will require the Contractor to re-prune the tree. This includes removal of all suckers and basal sprouts.
- Line Clearing: All limbs shall be removed 8 feet from the energized primary conductors, as well as clearance for secondary mains, and City owned fiber optic cables.

#### ***Circuit Trimming - Line Clearing***

The City has identified four (4) full circuits to be trimmed this year. Specifically, circuits 311, 314, 331, and 214 shall be trimmed. These circuits each contain a mixture of roadway, alley, and backyard work throughout the clearing process.

Clearance shall be defined to be 8 feet from the energized primary conductors, as well as clearance for secondary mains, and City owned fiber optic cables. Consideration and care shall be taken with the 8 foot scope of work to account for tree type growth rate, etc. The Contractors experience and judgement shall be used in regards to line clearance distances.

### **3. NOTIFICATION**

The Contractor shall notify the property owner or public authorities in the form of an door hanger (provided by the City of St. Charles) at least one week prior to the removal of a tree or electric line clearing on their property. Notification letters will not be sent for trimming and or stump removal services. Prior to a removal, trimming, or stump removal of a tree the Contractor may notify adjacent property owners of the work to be performed. Any concerns or questions from residents of work to be performed shall be directed to the Electric Utility Foreman or Public Services Division Manager.

The City shall be notified of all complaints from residents immediately.

For circuit trimming, the contractor shall notify City representatives at the start of every work day in regards to where they are trimming and what circuit they will be trimming adjacent to.

### **4. CONTRACT PERIOD**

The term of this contract will be for one (1) year with two additional one year options to extend. The City reserves the right to terminate the contract at any time for any reason upon a 30 days written notice. The contract shall commence on May 1, 2017 and end on April 30, 2018. If granted, extension year options will begin May 1, 2018 ending April 30, 2019 and the second year beginning May 1, 2019 and ending April 30, 2020.

### **5. DISPOSAL OF MATERIAL**

The Contractor shall legally dispose of all waste material generated through rendered to the City.

FOR ELECTRIC CIRCUIT CLEARING, bid pricing is requested for rates for the contractor to dump debris materials at a City facility where the City will then dispose of the material, and for the contractor to dispose of the material by his/her own means. The City will consider the cost of disposing the material to identify the most advantageous method of debris removal for the City.

### **6. STANDARDS OF PERFORMANCE/ WORKMANSHIP**

It is the intent of the City to call for the highest level of quality in tree services compatible with the International Society of Arboriculture Standards and Practices and

modern techniques accepted by the industry. All trimming services shall be performed by a person(s) with at least one (1) year of relevant experience, and directly employed and supervised by the Contractor. Such Contractor shall have at least five (5) years of relevant experience in tree trimming and tree removals similar in size to those for which this contract applies. The Contractor shall have adequate equipment and employ adequate staff to accomplish the work specified. All work shall be performed with the utmost concern for safety of both the workers and the public. Relevant experience shall include, but not be limited to, having performed similar tree services to those required by the City of St Charles. All employees of the Contractor shall dress and conduct themselves in a professional manner while completing work for the City. All contractors shall be trained for Line Clearing as stated per OSHA 1910.269r. Any vehicles regularly used by the Contractor or those persons representing the Contractor's company, shall be in proper working order and in a good state of repair, and shall clearly present the Contractor's company name, address, and telephone number of local office. The Contractor shall perform work herein provided for under the direction of, and to the satisfaction of, the Public Services Division Manager. If any work does not meet the standards specified, the Contractor will be responsible for correcting such deficiencies as directed by the Public Services Division Manager at no additional cost to the City. For any work around energized electric conductors, employees shall be required to be qualified and shall possess all needed training and licenses.

**7. LANE CLOSURES AND TRAFFIC CONTROL**

Any contemplated lane closures must have prior approval by the City. Should the Contractor desire to close a traveled lane of any roadway to accomplish the work on this contract, such lane closure shall be reviewed and approved by the City before proceeding. All traffic control shall conform to the Work Area Traffic Control handbook and all City Regulations. The Contractor shall be responsible for securing the work zone at all times during any and all tree related work. The Contractor shall be responsible for providing and accurately placing warning signs and cones on roadways where work is performed.

**8. NON-ASSIGNMENT**

The Contractor shall not assign or subcontract this contract or the work hereunder, or any part thereof, to any other person, firm or corporation without prior written consent of the City.

**9. ACCIDENT PREVENTION AND NOTIFICATION**

The Contractor shall be responsible for initiation, maintaining, and supervising all safety precautions and programs in connection with the work of this contract. Precaution shall be exercised at all times for the protection of persons and property. The safety provisions of all applicable laws, regulations and building codes shall be observed, including



safeguards on machinery and equipment, the elimination of hazards, and worker safety training. In the event of accidents of any kind that involve the general public and/or private or public property in St. Charles, the Contractor shall immediately notify St. Charles. Upon request of St. Charles, the Contractor shall provide such accounting of details and/or copy of written accident reports as St. Charles may require.

#### **10. DAMAGE**

The Contractor shall take all necessary precaution for the protection of public or private property. The Contractor shall be responsible for damages on or to public or private property resulting from careless or negligent operation of vehicles or handling of any receptacle. All property which suffers damage (reasonable wear-and-tear excepted) caused by the Contractor shall be repaired or replaced as soon as possible to equivalent quality at the time of the damage, and at no extra charge to the City or the property owner. If the Contractor fails to do so within a reasonable period of time, the City may, after the expiration of a period of forty-eight (48) hours after giving the Contractor notice in writing, proceed to repair or replace such property as may be deemed necessary at the Contractor's expense.

#### **11. NON-PERFORMANCE OF SERVICE**

If the Contractor fails to observe the established schedule of service, the City reserves the right to determine if there has been sufficient cause to justify non-observance of the service schedule. If, in the City's judgment, sufficient cause has not been demonstrated, the City shall service notice either personally or by affixing such notice to the premises of the servicing location of the Contractor stating that this contract shall be deemed in default if the Contractor does not take action to re-establish the schedule within twenty-four (24) hours of said notice. If at the end of the twenty-four (24) hour period the Contractor has not taken corrective action, the City shall take such steps as are necessary to furnish services according to the collection requirements provided for in this contract. The Contractor shall be liable for any costs incurred by the City to correct such default.

#### **12. SERVICE LOCATIONS AND POINTS OF CONTACT**

The Contractor shall establish and maintain an office through which it may be contacted directly, where City personnel may telephone or send inquires and complaints, and where the City personnel may send and receive instruction. The office shall be equipped with sufficient telephones, and shall have a responsible person in charge during collection hours. This service shall be operated between the hours of at least 7:30 a.m. to 4:30 p.m. Monday through Friday, except during holidays or as otherwise directed by the City. The telephone service shall be a local exchange or a toll-free exchange. In addition, a telephone number by which the Contractor may be reached after regular hours shall be provided to the City for the use of City personnel. The Contractor shall identify the

location, telephone number(s), and mailing address of the office, the garage area, and any processing facility, that will be used to service St. Charles. The City reserves the right to visit and inspect such facilities with reasonable notice. The contractor shall also notify the City of its designated contact person(s) for the purposes of obtaining instruction, answering inquiries and resolving complaints. Such person(s) shall be available to discuss, and if necessary, meet with City personnel to resolve problems.

### 13. **PREVAILING WAGE**

This work will not be done in association with any public works project. All pruning work included in this contract shall be for maintenance purposes. Any removals shall only be performed on diseased or irreparably damaged trees, or trees that constitute a hazard. **As such, this contract is not subject to prevailing wage laws.**

### 14. **WORK DAY/WORK WEEK**

Except in emergency situations, the normal work hours shall be 7:00 AM to 3:00 PM Monday through Friday. Any work outside those days or hours shall require approval from the Public Services Division Manager or Electric Division Foreman.

The contractor shall not work on inclement days where the weather jeopardizes trimming operations or reliability of service (rain, snow, wind, etc.).

### **ADDITIONAL ITEMS:**

**Site Cleanup** shall be completed immediately after each tree, section of trees or stump removal has been completed. This means that all logs, branches, twigs, wood chips, leaves, wood dust or any other plant materials or any other materials generated during the job shall be removed from the work area before leaving. If this is not possible then barricades or cones or caution tape must be used until the site is clean as determined by the Public Services Manager or designated representative.

**Emergency Response for all tree related situations:** The contractor shall provide a standard maintenance crew of three (3) people, one (1) chipper truck, and one (1) aerial bucket truck. One (1) crane truck with one (1) operator shall also be available upon request. This crew shall be able to respond within two hours of notification. In the event of multiple emergencies, a second and third crew shall be available when requested by the Public Services Division Manager or designated representative.

**Traffic Control and Protection** shall be employed by the contractor in accordance with applicable portions of the "Standard Specifications for Road and Bridge Construction" in Illinois, the "Manual for Uniform Traffic Control Devices", the "Highway Standards" of the Illinois Department of Transportation, and as provided herein. In general, all roads shall be kept open to traffic with employment of appropriate signage and flagmen for on-way traffic. It is the

responsibility of the contractor to maintain protection until work is completed and to visually inspect the protection regularly to verify its conformance with State

**Standards:** Any road closures shall be approved by the Director of Public Works or designee prior to the closure being made by the Contractor. To protect persons from injury and to avoid property damage, proper barricades, construction signs, warning lights, and flagmen, as required, shall be provided and maintained by the Contractor during the progress of work on the City's urban forest, and until such time as it is safe for traffic to use the street and pedestrians to use the sidewalks.

**Utilities:** The Contractor shall be solely responsible for the location and protection of all existing utilities within the scope of this project. Any damage due to tree removal, trimming, and or stump grinding operations, shall remain the responsibility of the Contractor.

**Equipment Staging:** If the contractor needs to store equipment at the City's facility overnight while performing work for the City, they must indicate that intention with their bid. The City will not be responsible for any lost, stolen, damaged or vandalized equipment stored at a City facility.

**Basis of Award:** The City may choose to award the contract to one or multiple contractors, whichever is in the best interest of the City. In the event that multiple contractors are selected, one will be selected for Electric Circuit trimming, and another will be selected for general hourly rate pruning and removal services. General trimming and removal services will be based on the lowest cumulative hourly rate for a loaded crew, which includes one (1) foreman, one (1) climber/bucket truck operator, one (1) groundman/laborer, one (1) chipper truck, one (1) bucket truck, one (1) log truck, one (1) stump grinder, and one (1) pickup truck.

## BASE BID/ FEE SCHEDULE

Bidders will be required to submit bids both circuit clearing work as well as based on an hourly rate per classification. Chainsaws, ladders, ropes, and other small tools and equipment shall be considered standard for all crews and will not be separately billable.

### Foreman, Climber, Groundman

### Bucket Truck, Chipper Truck & Chipper, Pick-up Truck, Log Truck, Stump Grinder

It is understood that the Contractor will be required to perform and complete the proposed work in a thorough and professional manner. The Contractor shall provide all necessary labor, tools, implements, equipment, materials, and supplies to complete the contracted work.

Disposal of all green waste and any other material generated from this work shall be disposed at the Contractors expense. For circuit clearing work only, bidders are requested to include alternate pricing for disposal of chip materials at a City facility.

Bids will be accepted until 2:00 PM on Monday, May 8, 2017.

Company: \_\_\_\_\_

Contact: \_\_\_\_\_ Contact Phone Number: \_\_\_\_\_

Contact Email: \_\_\_\_\_

### CIRCUIT TRIMMING – LINE CLEARING BID

Circuit	Clearance	Bid for Circuit Clearing & Chip Removal	Bid for Circuit Clearing & Dump Chip Material at City Site
Circuit 311	8'	\$	\$
Circuit 314	8'	\$	\$
Circuit 331	8'	\$	\$
Circuit 214	8'	\$	\$
TOTAL		\$	\$

### GENERAL TRIMMING & REMOVALS / PARKWAY MAINTENANCE

Item	Hourly Rate
Foreman	\$
Climber/Bucket Operator	\$
Groundman/Laborer	\$
Bucket Truck	\$
Chipper Truck & Chipper	\$
Log Truck	\$
Pickup Truck	\$
Stump Grinder	\$
<b>TOTAL</b>	\$

Please include list of contractor's equipment (make/model/year) with bid. Include all other equipment and rates not listed above.

List any and all deviations from minimum specifications:

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I certify that I am acting as an agent for the firm designated below and that the firm will sell to the City of St. Charles the product(s) described herein for the amount specified above. Further, I certify that all exceptions or deviations from the attached detailed specifications are clearly stated in writing and the price quoted shall include all terms specified unless otherwise noted.

---

Signature of Authorized Representative

PLEASE TYPE OR NEATLY PRINT THE FOLLOWING INFORMATION

---

Name of Authorized Representative

Title

---

Company Name

---

Street Address

---

City

State

Zip Code

---

(Area Code) Phone Number



Circuit	Clearance	Chip Removal Pricing	Chips Dumped at City Pricing
Circuit 311	8'	\$ 43,900.	\$
Circuit 314	8'	\$ 9,800.	\$
Circuit 331	8'	\$ 35,900.	\$
Circuit 214	8'	\$ 76,000	\$

DeMox Tree Service  
630 377-7400 630 742-7400

Option 2 pricing hours and after hours' time:

Classification	Hourly Rate	Overtime
Foreman	\$ 34.	\$ 68
Climber	\$ 34.	\$ 68
Groundman	\$ 34.	\$ 68
Bucket Truck	\$ 11.	\$ 11.
Chipper Truck	\$ N/C	\$ N/C
Pick Up/Dump	\$ N/C	\$ N/C
Chipper	\$ 11.	\$ 11.
Stump Grinder	\$ 20.	\$ 20.
Brush Hog	\$ 20.	\$ 20.
Other Equip:	\$	\$
CLAM LOADER truck	\$ 24	\$ 24
	\$	\$
	\$	\$
	\$	\$

## BASE BID/FEE SCHEDULE

Bidders will be required to submit bids both circuit clearing work as well as based on an hourly rate per classification. Chainsaws, ladders, ropes, and other small tools and equipment shall be considered standard for all crews and will not be separately billable.

**Foreman, Climber, Groundman**

**Bucket Truck, Chipper Truck & Chipper, Pick-up Truck, Log Truck, Stump Grinder**

It is understood that the Contractor will be required to perform and complete the proposed work in a thorough and professional manner. The Contractor shall provide all necessary labor, tools, implements, equipment, materials, and supplies to complete the contracted work.

Disposal of all green waste and any other material generated from this work shall be disposed at the Contractors expense. For circuit clearing work only, bidders are requested to include alternate pricing for disposal of chip materials at a City facility.

Bids will be accepted until 2:00 PM on Monday, May 15, 2017.

Company: Skyline Tree Service

Contact: Ted Ranney Contact Phone Number: 630.584.2211

Contact Email: ted@skylinetreesvc.com

### CIRCUIT TRIMMING – LINE CLEARING BID

Circuit	Clearance	Bid for Circuit Clearing & Chip Removal	Bid for Circuit Clearing & Dump Chip Material at City Site
Circuit 311	8'	\$ *	\$
Circuit 314	8'	\$ *	\$
Circuit 331	8'	\$ *	\$
Circuit 214	8'	\$ *	\$
TOTAL		\$	\$

\* See Deviations

### GENERAL TRIMMING & REMOVALS / PARKWAY MAINTENANCE

Item	Hourly Rate
Foreman	\$ 42.00
Climber/Bucket Operator	\$ 42.00
Groundman/Laborer	\$ 42.00
Bucket Truck	\$ 30.00
Chipper Truck & Chipper	\$ 30.00
Log Truck	\$ 15.00
Pickup Truck	\$ 10.00
Stump Grinder	\$ 20.00
<b>TOTAL</b>	\$ 231.00

Please include list of contractor's equipment (make/model/year) with bid. Include all other equipment and rates not listed above.

List any and all deviations from minimum specifications:

RE: Circuit trimming / line clearing Bid - The rates quoted are for emergency work only.

RE: General trimming/removal → adding equipment (not always)  
Skidsteer 30.00 (when used)  
Dump trailer 15.00 (when used)

I certify that I am acting as an agent for the firm designated below and that the firm will sell to the City of St. Charles the product(s) described herein for the amount specified above. Further, I certify that all exceptions or deviations from the attached detailed specifications are clearly stated in writing and the price quoted shall include all terms specified unless otherwise noted.

Ted B. Ranney  
Signature of Authorized Representative

PLEASE TYPE OR NEATLY PRINT THE FOLLOWING INFORMATION

Ted Ranney President  
Name of Authorized Representative Title

Skyline Tree Service  
Company Name

P.O. Box 3058 - 202 N. 2nd St.  
Street Address

St. Charles IL 60174

City State Zip Code

630. 584. 2221  
(Area Code) Phone Number

	<b>AGENDA ITEM EXECUTIVE SUMMARY</b>		Agenda Item number: 5.d
	Title:	Recommendation to Award the Bid for the 2017 Asphalt Patching Program	
	Presenter:	AJ Reineking	
Meeting: Government Services Committee		Date: June 26, 2017	
Proposed Cost: \$145,950		Budgeted Amount: \$145,000	Not Budgeted: <input type="checkbox"/>
<b>Executive Summary (if not budgeted please explain):</b>  <p>On May 15, 2017, the City publicly opened bids for the 2017 Asphalt Patching Program. The 2017 program was divided into two phases. Phase I consists of 34 locations in the northeast quadrant of the City, totaling 2,717 square yards of material. These areas were identified based on an assessment conducted this spring. Phase II of the program will be based on assessments that will be conducted through mid-summer, and may account for up to an additional 4,783 square yards of material. In all, staff anticipates the 2017 program to reach 7,500 yards.</p> <p>The bid calls for a 2" grind and overlay of the roadway at each location. This program will be performed in conjunction with the City's in-house roadway maintenance program, which predominantly focuses on smaller repairs or repairs completed in conjunction with other utility work.</p> <p>The City received four (4) bids to complete this work with Geneva Construction Company, Inc. of Aurora, IL being the lowest responsive, responsible bidder.</p> <p>Geneva Construction is the City's FY17/18 MFT Program contractor and has successfully completed other roadway improvement projects for the City in the past.</p>			
<b>Attachments (please list):</b>  <p>Bid Tabulation * Bid Specifications * Geneva Construction Co Bid Sheet * Phase I Program Site List</p>			
<b>Recommendation/Suggested Action (briefly explain):</b>  <p>Recommendation to award the bid for the 2017 Asphalt Patching Program to Geneva Construction Company in the amount of \$18.50 per square yard of material replaced, not to exceed \$145,950.</p>			

2017 Asphalt Patching Program  
 Bid Tabulation

	Unit Cost (per sq. ft)	Quantity	Mobilization	Quantity	Total Cost
Geneva Construction Co. Aurora, IL	\$ 18.50	7,500	\$ 3,600.00	2	\$ 145,950.00
Schroeder Asphalt Services, Inc Huntley, IL	\$ 19.50	7,500	\$ 1,000.00	2	\$ 148,250.00
J.A. Johnson Paving Co. Arlington Heights, IL	\$ 20.90	7,500	\$ 2,000.00	2	\$ 160,750.00
Builders Paving, LLC Hillside, IL	\$ 30.00	7,500	\$ 12,600.00	2	\$ 250,200.00



**INVITATION TO BID**  
Asphalt Grinding/Patching Program

The City of St. Charles has an immediate need for a qualified contractor to perform grinding and asphalt patching work to City streets throughout the community. This work will take place in two phases; the first being complete by mid-summer and the second complete by early-fall 2017.

**TIMELINE FOR AWARD:**

The following table identifies the anticipated timeline for this project.

<b>Critical Path Item</b>	<b>Date</b>
Bids Due	Monday, May 15, 2017 (1:30 PM)
Work Awarded – City Council	Monday, June 5, 2017
Work Completed – Phase 1	July 15, 2107
Work Completed – Phase 2	November 1, 2017

**WORKMANSHIP:**

All work performed for the City shall meet the highest industry standard. All patching work shall be comprehensive and uniform and match the existing grade.

All patches shall be 2” Class D patches meeting the IDOT Standard Specifications for Road and Bridge Construction adopted April 1, 2016.

Grinding shall be saw cut at the perpendicular ends to allow for a 90 degree edge on all sides.

**PRICE:**

The City is seeking a unit price per square yard to perform a complete patch including site preparation, grinding and material removal, asphaltting and compaction.

In addition, the City is seeking unit prices per square yard to perform grinding and debris removal only.

Prices shall include all tools, equipment, labor, materials, and hauling necessary to complete the task.

**TERM:**

The City would like the work divided into two phases, each being completed during the 2017 construction season. Phase I shall be completed no later than July 15, 2017, and Phase II shall be completed no later than November 1, 2017.

Each work phase shall commence at a time mutually agreed up on by the contractor and the Public Works Division Manager. All work must be completed and invoiced no later than 30 days after completion of each phase. Once work commences, work must be performed in successive days until complete unless otherwise scheduled with the Public Works Division Manager in advance.

Equipment may be stored overnight at a gated Public Works Annex Facility. The City is in no way responsible for stolen, damaged, or vandalized equipment stored on City premises.

**TIME OF WORK:**

Work shall be completed between the hours of 7am and 4pm (Monday through Friday). Exceptions may be made for tacking operations to maintain operational continuity.

Once work commences it shall be advanced continuously and expeditiously until complete. No ground area shall be left unimproved for more than 24 hours once grinding commences. At no time shall any patch or ground area be left unfinished over a weekend.

**QUANTITY & LOCATION OF WORK:**

The City anticipates up to 7,500 sq. yards of surface that are in need of permanent patch work throughout the community. The work will be divided into two phases with approximately 2,717 square yards for to be completed in Phase I, and up to 4,783 square yards in Phase II.

Maps and estimated material quantities are attached for Phase I. Phase II maps and quantities will be provided two weeks before the commencing of Phase II work. Patch areas will be painted by staff in advance of work. A City representative and Contractor representative shall coordinate actual quantities in the field pre and post grind to ensure accurate quantities.

The attached list of work in no way represents a guaranteed minimum or maximum, and the City reserves the right to add or subtract for the attached list at any time. Actual work will be based on the prices submitted and budgetary funds available and shall be performed at the City's sole discretion.

**COMPLIANCE WITH LAWS:**

Vendor must comply with all applicable laws, including without limitation the Illinois Human Rights Act, the Public Works Employment Discrimination Act, and the Illinois Prevailing Wage Act. Contractor's certified payroll is required to be submitted with all pay requests/invoices.

Questions shall be submitted to Tony Bellafigiore, Public Works Division Manager no later than Tuesday, May 9, 2017 at [tbellafigiore@stcharlesil.gov](mailto:tbellafigiore@stcharlesil.gov).

**City of St. Charles  
2 E. Main Street  
St. Charles, IL 60174**

**Asphalt Grinding/Patching Program  
Bids will be accepted until 1:30 PM on Monday, May 15, 2017.**

Company: \_\_\_\_\_

Contact: \_\_\_\_\_ Contact Phone Number: \_\_\_\_\_

Contact Email: \_\_\_\_\_

**BID**

Item	Unit	Unit Price	Quantity	Extended Total
Grind and Patch	Square Yard	\$	7,500	\$
Mobilization	Each	\$	2	\$
<b>Total Bid</b>				<b>\$</b>

*Attach a list of any and all deviations from minimum specifications.*

I certify that I am acting as an agent for the firm designated below and that the firm will sell to the City of St. Charles the product(s) described herein for the amount specified above. Further, I certify that all exceptions or deviations from the attached detailed specifications are clearly stated in writing and the price quoted shall include all terms specified unless otherwise noted.

\_\_\_\_\_  
Signature of Authorized Representative

PLEASE TYPE OR NEATLY PRINT THE FOLLOWING INFORMATION

\_\_\_\_\_  
Name of Authorized Representative Title

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City State Zip Code

\_\_\_\_\_  
(Area Code) Phone Number

City of St. Charles  
2 E. Main Street  
St. Charles, IL 60174

**Asphalt Grinding/Patching Program**  
Bids will be accepted until 1:30 PM on Monday, May 15, 2017.

Company: GENEVA CONSTRUCTION CO.

Contact: CASS W. PRICE, VICE PRESIDENT Contact Phone Number: 630-892-4357

Contact Email: cass@genovaconstruction.net

**BID**

Item	Unit	Unit Price	Quantity	Extended Total
Grind and Patch	Square Yard	\$ 18.50	7,500	\$ 138,750.00
Mobilization	Each	\$ 3600.00	2	\$ 7200.00
Total Bid				\$ 145,950.00

*Attach a list of any and all deviations from minimum specifications.*

I certify that I am acting as an agent for the firm designated below and that the firm will sell to the City of St. Charles the product(s) described herein for the amount specified above. Further, I certify that all exceptions or deviations from the attached detailed specifications are clearly stated in writing and the price quoted shall include all terms specified unless otherwise noted.

  
Signature of Authorized Representative

PLEASE TYPE OR NEATLY PRINT THE FOLLOWING INFORMATION

**CASS W. PRICE, VICE PRESIDENT**

Name of Authorized Representative Title

**GENEVA CONSTRUCTION CO.**

Company Name

**P.O. BOX 996**

Street Address **AURORA, IL 60507-0996**

City State Zip Code

**630-892-4357**

(Area Code) Phone Number

Map ID	Address	Length	Width	Depth	Square Yards	Zone ID
1	1860 Hampton Course.	65	11	2	79	6
2	2120 Persimmon Dr.	60	11	2	73	6
3	2010 Persimmon Dr.	30	6	2	20	6
4	2010 Persimmon Dr.	110	9	2	116	6
5	2040 Persimmon Dr.	85	3	2	29	6
6	1725 Persimmon Dr.	35	15	2	58	6
7	Dunham and Fox Chase Boulevard on the north side.	23	21	2	53	6
Total Sq. Yards					428	
8	42 N. 13th Ave.	20	22	2	49	7
9	9 N. 13th Ave.	16	30	2	53	7
Total Sq. Yards					102	
10	Dunham and Fox Chase Boulevard on the south side.	50	8	2	44	8
11	Behind 55 South Gate Ct (On Fox Chase Boulevard).	45	12	2	60	8
12	1025 Stonehedge Rd.	40	11	2	48	8
13	405 Hunt Club Dr.	40	15	2	67	8
14	413 Hunt Club Dr.	50	7	2	39	8
15	Across from 422 Hunt Club Dr.	30	11	2	36	8
16	2415 Fairfax Rd.	60	15	2	100	8
Total Sq. Yards					394	
17	2901 Royal Fox Dr.	29	7	2	23	9
18	2903 Royal Fox Dr.	60	11	2	70	9
19	2904 Royal Fox Dr.	60	11	2	70	9
20	2902 Royal Fox Dr.	80	22	2	195	9
21	3006 Royal Fox Dr.	50	14	2	78	9
22	3302 Royal Fox Dr.	60	14	2	96	9
23	3402 Royal Fox Dr.	22	13	2	46	9
24	3604 Royal Fox Dr.	35	12	2	47	9
25	3702 Royal Fox Dr.	16	12	2	21	9
26	3806 Royal Fox Dr.	70	29	2	226	9
27	4004 Royal Fox Dr.	100	15	2	167	9
28	4003 Royal Fox Dr.	19	14	2	29	9
29	4004 Royal Fox Dr.	27	15	2	45	9
30	North entrance to Royal Fox Drive (westbound).	20	11	2	24	9
31	North entrance to Royal Fox Drive.( Eastbound )	85	13	2	121	9
32	2604 Turnberry Rd.	80	15	2	134	9
33	2602 Turnberry Rd.	145	15	2	242	9
34	2804 Royal Latham Dr.	95	15	2	159	9
Total Sq. Yards					1,793	
Total Sq Yards in all Zones					2,717	

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.e

Title:

Recommendation to Waive the Bid and Approve Purchase Order with Novinium for Cable Injection Services

Presenter:

Tom Bruhl

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$100,000

Budgeted Amount: \$100,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

The City of St. Charles has been working with Novinium since 2009 for a specialized service to rejuvenate underground electric cables. Novinium uses a patented fluid that is injected down the strands of the electric conductor to push moisture out of the cables and restore the insulation value of the cable. Over the past eight years, the City has injected almost 200,000 feet (37 miles) of cable. The failure rate has been exceptional with only three failures after injection. The fluid does not instantly restore the cable, and failures within the first year after injection are related to cable damage that was critical prior to the injection. Novinium warranties such failures for 40 years, and the City receives a credit back for the cost the City paid to inject any failed span. Staff recommends this method of cable rejuvenation compared to traditional cable replacement which involves digging in yards, at least three times the cost, and a much higher level of customer satisfaction. The crew completes work in each yard in about a half of a day, with no landscape disturbance. For cables that are not suitable for injection, the City follows up with traditional cable replacement. Typically about 80% of the cables in our neighborhoods prove to be injectable.

Prior to 2015, there were two vendors performing this type of service. In March of 2015, Novinium bought their competitor, UtilX, and merged the companies. For 2013 through 2016, the City and Novinium were working under a three year deal with declining pricing based on total footage. Pricing decreased from \$5.00 per foot to \$3.00 per foot over that time. As St. Charles is nearing the end of the large subdivision projects with original installed cable, the proposed 2017 pricing from Novinium is \$4.45 per foot. The approximately 16,600 feet in Kingswood is the last known major subdivision suitable for this rejuvenation method.

**Attachments** (*please list*):

\* Bid Waiver

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to waive the bid procedure and approve a Purchase Order to Novinium for Cable Injection Services in a not-to-exceed amount of \$100,000.

## **REQUEST FOR WAIVING BID PROCEDURE**

We request the City Council to waive the bid procedure and accept the quotation (requiring two-thirds City Council vote) submitted by:

**Novinium**  
22820 Russell Road  
Kent, WA 98032

For the purchase of: Cable Injection Services

At a cost not to exceed: \$100,000

Reason for the request to waive the bid procedure: Prior to 2015, there were only two suppliers provide 12kV cable injection. Novinium purchased their only competitor in 2015. Their proposed pricing is consistent with pricing from 2013 for the proposed footage quantity.

Other Quotations Received: None

Date: 06/26/17

Requested by: T. Bruhl

Department Director: \_\_\_\_\_

Purchasing Manager: \_\_\_\_\_

Committee Chairman: \_\_\_\_\_

**THIS REQUEST FORM MUST BE SIGNED BY ALL PARTIES PRIOR TO REQUESTING COMMITTEE APPROVAL FOR WAIVING OF THE BID PROCEDURE. REQUESTS FORWARDED DIRECTLY TO THE CITY COUNCIL (AND BYPASSING COMMITTEE) MUST BE SIGNED BY ALL PARTIES PRIOR TO REQUESTING CITY COUNCIL APPROVAL. SUCH REQUESTS ARE TO BE OF AN EMERGENCY NATURE WHERE TIME IS OF THE ESSENCE.**



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.f

Title:

Recommendation to Approve Notice of Intent to Award for the Phosphorus and Digester Construction Project

Presenter:

Tim Wilson

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$13,294,896

Budgeted Amount: \$13,446,379

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Staff is requesting approval of a Notice of Intent to Award by the City Council for the Phosphorous Removal and Digester Improvement Project. City staff and Trotter and Associates, Inc. (TAI) went out to bid for the construction project in April.

The EPA bids require a 45 day minimum bidding process. Bids were opened on June 13th and have been reviewed by City Staff and TAI. Attached is a Letter of Recommendation and Bid Summary from TIA. There were three (3) bids submitted on the project with the low bidder being IHC out of Elgin, IL in the amount of \$13,294,896. Construction costs in the amount of \$13,446,379 have been budgeted and we have received a preauthorized loan approval.

As part of the IEPA Loan Program process, the Notice of Intent to Award along with the bid packet will be submitted to IEPA for review. Once the documents are reviewed and approved by IEPA, a Notice of Award will be issued.

**Attachments** (*please list*):

\* Letter of Recommendation \* Bid Summary \* Notice of Intent to Award

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to Approve Notice of Intent to Award to IHC Construction Companies for the Phosphorus Removal and Digester Improvements Project in the amount of \$13,294,896 and a Resolution authorizing the Mayor and Clerk to execute the same on behalf of the City of St. Charles.



June 15, 2017

Mr. Tim Wilson  
Environmental Services Manager  
City of St. Charles  
200 Devereaux Way  
St. Charles, Illinois 60174

**Subject: City of St. Charles – 2017 Phosphorus Removal and Digester Improvements  
Recommendation to Award**

Dear Mr. Wilson,

The design of the improvements for the City of St. Charles' Main Wastewater Treatment Facility to meet a 1 mg/L phosphorus limit began in April of 2016. The scope of work included site piping, construction of a primary sludge fermenter, retrofitting of the existing aeration basins with mechanical mixers, construction of an internal recycle pump station and a chemical feed and storage system for process optimization. In August of 2016, the City expanded the scope of improvements to include refurbishing the existing egg-shaped anaerobic digester structures, replacing all piping, pumps, boilers, and gas safety equipment within the complex, and replacing the existing digested sludge storage tank with a new structure that will have gas-storage capabilities. The City Council approved \$15,841,494 to cover the design and construction of this project as part of the \$17,121,000 loan authorizing ordinance 2016-M-29 in May of 2016.

During the design phase of the project, the City and design team identified several opportunities to enhance operational performance and control. While most of these items could be incorporated within the original project budget, there were five items which were clearly out of scope. Trotter and Associates, Inc. designed these additional enhancements and structured the bid documents such that the base bid would include the original scope of work and the five enhancements would be included as Additive Alternates as budgets allowed.

- #1 Provide and install mechanical mixers with sound enclosures on the lids of the anaerobic digesters. Engineer's Estimate = \$305,000
- #2 Provide and install sound enclosures on the mechanical mixers in the biological process and on the sludge storage tank cover. Engineer's Estimate = \$91,000
- #3 Provide and install sensors for Nitrate and Total Suspended Solids to enhance biological process monitoring. Engineer's Estimate = \$111,704
- #4 Provide and install three analyzers that utilize optical water monitoring to enhance biological process monitoring. Engineer's Estimate = \$307,000
- #5 Provide and install an additional control panel to minimize energy consumption and optimize performance of three proposed aeration blowers. Engineer's Estimate = \$79,000

TAI established within the bid documents that the low, responsible, responsive bidder would be determined on the basis of the Base Bid plus the selected Additive Alternate(s). While each Alternate would have a beneficial impact on the long-term operation and maintenance of the WWTP, it was recognized that the City may not be able to finance all of the desired enhancements. Prior to the bid opening, City Staff established an order of preference for selection of the Alternates which is as follows: #2, #3, #5, #1 and #4. This list was not made known outside of City Staff and TAI.

**City of St. Charles – 2017 Phosphorus Removal and Digester Improvements**  
**Recommendation to Award**  
**June 15, 2017**  
**Page 2 of 3**

The City received bids on Tuesday, June 13, 2017 in accordance with the advertisement. Three bids were received for the project and these bids were opened and read aloud in Council Chambers. The following is a tabulation of the bids received compared to the Engineer's Estimate:

	Engineer's Estimate	IHC Construction Companies LLC	Joseph J. Henderson & Son, Inc	Williams Brothers Construction, Inc.
<b>Lump Sum Base Bid</b>	\$ 13,417,920	\$ 13,095,393	\$ 13,108,000	\$ 13,530,000
<b>Additive Alternate #1</b>	\$ 305,000	\$ 323,531	\$ 312,000	\$ 320,000
<b>Additive Alternate #2</b>	\$ 91,000	\$ 45,138	\$ 210,000	\$ 110,000
<b>Additive Alternate #3</b>	\$ 111,704	\$ 92,518	\$ 109,000	\$ 100,000
<b>Additive Alternate #4</b>	\$ 307,000	\$ 442,138	\$ 429,000	\$ 410,000
<b>Additive Alternate #5</b>	\$ 79,000	\$ 61,847	\$ 71,000	\$ 65,000

IHC Construction Companies, LLC (IHC) of Elgin, Illinois is the apparent low bidder. TAI has worked extensively with all three bidders. The largest project that TAI has worked on with IHC was the Algonquin Wastewater Treatment Facility Expansion - Phase 6 in 2006 (\$17.4 Million). That project included implementation of biological process upgrades to remove phosphorus similar to the design for St. Charles. TAI is currently working with IHC on the Roselle FOG and Devlin Digester Covers project (\$1.2 Million) which opened bids on June 1, 2017. IHC is located in Elgin, Illinois, and is well known to TAI and the wastewater industry. In addition, we have reviewed the bidding documents, required certifications and disadvantaged business enterprise (DBE) documentation requirements of the Illinois EPA Loan Program and verified that they have met all of the bidding requirements. It is therefore our recommendation that the City of St. Charles award the contract to IHC Construction Companies, LLC.

The bid from IHC was \$350,000 below the original project budget. This allows the City to select one or more of the Alternates and remain under budget. The chart below outlines the estimated project cost if the City awards the project in order of preference.

	Original Budget	Base Bid	Base + 2, 3 & 5	Base + 2, 3, 5 & 1	Base + All
Bid Amount	\$ 13,446,379	\$ 13,095,393	\$ 13,095,393	\$ 13,095,393	\$ 13,095,393
Additive Alternate #1				\$ 323,531	\$ 323,531
Additive Alternate #2			\$ 45,138	\$ 45,138	\$ 45,138
Additive Alternate #3			\$ 92,518	\$ 92,518	\$ 92,518
Additive Alternate #4					\$ 442,138
Additive Alternate #5			\$ 61,847	\$ 61,847	\$ 61,847
Construction Cost	\$ 13,446,379	\$ 13,095,393	\$ 13,294,896	\$ 13,618,427	\$ 14,060,565
Engineering	\$ 1,849,812	\$ 1,737,500	\$ 1,737,500	\$ 1,737,500	\$ 1,737,500
IEPA Issued Contingency @ 3%	\$ 403,392	\$ 392,862	\$ 398,847	\$ 408,553	\$ 421,817
Construction Period Interest	\$ 141,911	\$ 216,674	\$ 219,975	\$ 225,328	\$ 232,644
<b>Total Amount to Borrow</b>	<b>\$ 15,841,494</b>	<b>\$ 15,442,429</b>	<b>\$ 15,651,218</b>	<b>\$ 15,989,808</b>	<b>\$ 16,452,526</b>
<b>Amount Above (Below) Original Budget</b>		<b>\$ (399,065)</b>	<b>\$ (190,276)</b>	<b>\$ 148,314</b>	<b>\$ 611,032</b>

The City may select Alternates #2, #3 and #5 and remain within the original budget. If the City should select to add Alternate #1 and/or Alternate #4, it may do so and still remain within the original loan authorization of \$17.1 Million. However, this would affect Low Interest Loan funding for the future lift station projects.

*City of St. Charles – 2017 Phosphorus Removal and Digester Improvements*  
*Recommendation to Award*  
*June 15, 2017*  
*Page 3 of 3*

Trotter and Associates, Inc. feels that incorporation of all the Alternates will provide the City of St. Charles superior process control and lower operational costs. However in order to stay within the original budget, it is our recommendation that the City of St. Charles award the contract to IHC Construction Companies, LLC for the bid amount of \$13,294,896.00 which includes Alternates #2, #3 and #5. This award should be made contingent upon approval of the Illinois EPA and execution of the loan agreement for the project. If you should have any questions or wish to discuss this further please contact me at your earliest convenience.

Sincerely,

TROTTER AND ASSOCIATES, INC.

R. Scott Trotter, P.E., BCEE  
President

## City of St. Charles -Phosphorous and Digester Bid Tabulation

Bid Open-

6/14/2017 1:00 P.M.

	IHC Construction Companies LLC	Joseph J. Henderson & Son, Inc.	Williams Brothers Construction, Inc.
<b>Lump Sum Base Bid</b>	\$ 13,095,393.00	\$ 13,108,000.00	\$ 13,530,000.00
<b>Additive Alternate #2</b>	\$ 45,138.00	\$ 210,000.00	\$ 110,000.00
<b>Additive Alternate #3</b>	\$ 92,518.00	\$ 109,000.00	\$ 100,000.00
<b>Additive Alternate #5</b>	\$ 61,847.00	\$ 71,000.00	\$ 65,000.00
<b>Total Amount for Award</b>	<b><u>\$ 13,294,896.00</u></b>	\$ 13,498,000.00	\$ 13,805,000.00

**SECTION 00 51 00.10 - NOTICE OF INTENT TO AWARD**

Date: June 15, 2017

To: IHC Construction Companies, LLC  
1500 Executive Drive  
Elgin, Illinois 60123  
(847) 742-1516

Project: City of St. Charles, Illinois – 2017 Phosphorus Removal and Digester Improvements  
Job Number: STC-100

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids and Information for Bidders.

You are hereby notified that your BID will be accepted, contingent upon Illinois Environmental Protection Agency (IEPA) approval, for items in the amount of **Thirteen Million Two Hundred Ninety Four Thousand Eight Hundred Ninety-Six Dollars and Zero Cents (\$13,294,896.00)**.

You will be required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S PERFORMANCE BOND, PAYMENT BOND and CERTIFICATES OF INSURANCE within ten (10) calendar days of the final Notice of Award to be sent upon IEPA approval, to you.

Dated this \_\_\_\_ day of \_\_\_\_\_, 2017.

---

Raymond Rogina, Mayor

**END OF SECTION 00 51 00.10**

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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.g

Title:

Recommendation to Award a Request for Proposal for a Three Year Service Agreement for Valve Exercise and Leak Detection with Associated Technical Services LTD.

Presenter:

Tim Wilson

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$89,000

Budgeted Amount: \$89,000

Not Budgeted: ☐**Executive Summary** *(if not budgeted please explain):*

The Public Works Department solicited a Request for Proposals (RFP) for the City's annual Valve Operating, Leak Detection and Location Survey Water (system) programs. The RFP included quotes for Year 1 (FY17/18) with an option to extend two additional years, FY18/19 and FY19/20. Three professional service providers responded to the RFP with a unit base cost.

The valve operating program involves exercising, locating and documenting the condition of 1,195 valves, 1/3 of the total valves within the City's water distribution system. In an effort to reduce unaccounted water loss and ultimately revenue, a leak detection survey is conducted annually to discover water leaks within the system. Scope of work includes an initial survey of 228 miles, 100% of the city's water main system, followed by pinpointing and confirming leak locations. Approximately 40-50 leaks are found annually.

After reviewing the proposals, staff recommends awarding a three-year service agreement to Associated Technical Services (ATS) in the estimated annual amount of \$89,000. Pricing for ATS was second lowest of the three proposals the city received. The lowest price was Consulting Engineering Inc. from Strongsville, OH at annual estimate of \$88,950. References were checked for all three companies with ATS receiving the most favorable responses. ATS has had a positive and long term relationship with the City and are very knowledgeable of the city's unique water distribution system.

**Attachments** *(please list):*

\* ATS Request for Proposal

**Recommendation/Suggested Action** *(briefly explain):*

Recommendation to award a unit cost Service Agreement to Associated Technical Services for fiscal year 2017-2018 and a Resolution authorizing the staff to execute same for Fiscal years 2018-2019 and 2019-2020 based on budget approvals.



## **Request for Proposals**

### **Environmental Services Contracted Valve Operating & Assessment Program Water Distribution Leak Detection & Location Survey**

St. Charles Public Works Department is seeking proposals from a professional service provider to perform to the City's annual water system Valve Operating, Leak Detection and Location Survey throughout the duration of the three fiscal years. The work will be completed between May 1, 2017, and ending on April 30, 2018. The City is also requesting rates for additional second and third years of (May 1, 2018 – April 30, 2019) & (May 1, 2019 – April 30, 2020). All work will be contracted on a unit basis contract.

Due to budget constraints, the City reserves the right to add or delete from the contract as required. No adjustments in contract unit prices or additional compensation will be made for alteration in the quantities or services from the contract. The quantities listed are estimates only and may be altered.

Proposals for Services, as described in the accompanying technical scope, shall be received before 10:30 AM, Friday, June 2, 2017, at the City of St. Charles, City Hall, 2 East Main Street, St. Charles, IL 60174, Council Chambers, Attention: Purchasing Manager. Proposals will be read aloud at that time. Any proposal received after the time specified will be promptly returned to the Technical Service Provider unopened.

Proposals shall be in a sealed envelope labeled with "Sealed Request for Proposals –Valve Operating and Assessment Program; Water Distribution System Leak Detection and Location Survey."

If you have any questions and would like more detailed information, please contact Mr. Tim Wilson, Public Works Manager – Environmental Service, at (630) 377-4405 or via email: [twilson@stcharlesil.gov](mailto:twilson@stcharlesil.gov)

Upon receipt of questions prior to May 26, 2017, the Technical Service Provider shall receive a reply e-mail acknowledging the receipt of the question. Response to the question shall be as soon as practical. Should the question result in a clarification that requires addenda, such addenda will be issued via website update as soon as practical.

Questions submitted after 3:00 PM, May 26, 2017, shall not be acknowledged or answered. Technical Service Providers shall take all necessary steps to propose questions prior that deadline.

The City reserves the right to extend the due date. Should an extension be necessary, communication of such shall be e-mailed to all registered Technical Service Providers.

## **WATER SYSTEM PROFILE**

The City of St. Charles water distribution system consists of 228 miles of water main ranging in size from 4" to 16" in diameter. The water main material is primarily comprised of cast iron, ductile iron and a small amount of PVC water main.

The City maintains approximately 2,800 hydrants of which 90% have auxiliary valves; approximately 3,524 main line valves of which 90% are in vaults, the remainder are valve boxes.

The City serves approximately 35,000 residents and businesses through approximately 12,337 service lines with curb stops with "B-Box" and Valve Box enclosures. Service pipeline materials are copper, lead, cast iron or ductile iron.

Current average daily usage is approximately 4,500,000 GPD

The current City Unaccounted for Flow (UFF) percentage is about 15%

A map of the water distribution system is available upon request for your review.

***All Proposals submitted for consideration shall, at the minimum, provide the following services while meeting the mandatory specifications detailed herein.***

### **Water Distribution Leak Detection and Location Survey Program**

1. **LEAK DETECTION PHASE:** The intent of this phase of the survey is to discover every detectable suspect leak sound, and localize suspect every leak that may exist in the area(s) designated for survey. The surveyor is required spend the appropriate amount of time needed at each point to ultrasonically survey every mainline appurtenance. The surveyor will log their findings as they proceed through each survey sub-area.
  - a) **Survey Sub Area(s) Organization** – The entire water distribution system designated for survey shall be subdivided into sub areas so that the survey can be completed in stages by area. This work plan including map, plan and timelines will be submitted to the City for approval prior to work start.
  - b) **Daily Communications** - The Surveyor will check in with the City prior to starting that day's work. Obvious exceptions to this would be on weekends or evening hours when City offices are normally closed. Every two weeks or upon request, the Surveyor will be required to submit progress reports which will detail, by phase and survey area, the percentage of completion, type and number of leaks found to date and estimated sizes of the leaks in gallons per day.
  - c) **Detection Phase**-The detection phase in an area will be completed after every accessible survey monitoring points has been surveyed for leak sounds. The location phase can begin in an area after the detection phase has been completed in that area. Exceptions to this procedure order would occur whenever the surveyor believes that they've detected a main break or other type of large leak which will require immediate pinpointing. The City should be promptly notified of those leak situations so action can be taken to schedule leak repairs as needed as soon as possible.

- d) **Detection Survey Monitoring Points:** The Surveyor will conduct a thorough preliminary leak detection survey that will include ultrasonically monitoring the following:
- Every accessible fire hydrant
  - Every accessible hydrant auxiliary valve
  - Every accessible water main line valve
  - Strategically located, accessible fire and domestic service valves
  - Any other strategically necessary appurtenances that can assist in the detection, estimation of leak size and type classification of a suspect leak.
- e) **Approved Equipment – Surveyor shall only utilize FCS S-30 Ultrasonic Surveyor equipment or its equivalent.** Any proposing firm that intends to use equipment other than that which is specified, shall enclose detailed equipment information and equipment specifications with their proposal.
- f) **Detection Survey Records -** As the detection phase proceeds, detection survey field records shall be developed, maintained and updated as needed. All field survey records shall be submitted in their entirety to the City at the completion of the survey project.

**Detection Survey Field Records shall include the following information:**

- Survey Sub-Area Number and/or Atlas Section
  - Survey crew names
  - Survey Date and weather conditions
  - Type of appurtenance monitored
  - Appurtenance location
  - Appurtenance id number when available
  - Leak sound intensity (digital or analog meter reading)
  - General conditions encountered
  - Map discrepancies
  - Inaccessible appurtenances
- g) **Inaccessible Appurtenances –** The surveyor shall make every reasonable effort to survey every main line appurtenance (point) in the areas designated for survey. Therefore, every available appurtenance should be surveyed for leak sounds. The City acknowledges that some appurtenances, typically mainline valves, may be “inaccessible” to survey crews during the initial phase of the leak detection survey.

An inaccessible appurtenance is one that the surveyor is unable to survey for leak sounds because it either cannot be readily found in the field, or is impossible to monitor because of debris or pavement covering the valve body or valve cover that cannot be opened.

It is the intention of the City to assist the surveyor by making as many of these inaccessible points accessible to the surveyor. Subsequently the surveyor shall return to each of the newly accessible or located appurtenances so that they may be ultrasonically surveyed.

- **List of Inaccessible appurtenances** - At the completion of the preliminary detection phase of each survey area, a separate list of those that were found to be inaccessible, shall be prepared by the surveyor for submittal to the City. The List of Inaccessible Points should note whether field observations indicate that the appurtenance is buried, full of water or debris, damaged or broken, unlocatable or shown incorrectly on the map.
- **Unlocatable appurtenances** - Before determining that an appurtenance is "unlocatable", the Surveyor shall visually and/or electronically search for that appurtenance for at least 10 minutes before deeming that appurtenance to be "cannot find". Whenever possible, the surveyor should mark the detected location of any buried valves that they were able to ferromagnetically locate during their search.

h) **Supplemental Surveying of Inaccessible appurtenances** - After the City either locates, makes accessible or "cleans out" inaccessible appurtenances, the Surveyor shall then return and survey each of those appurtenances for suspect leak sounds. The detection survey records shall be updated to indicate monitoring date and determination of whether suspect leak sounds were detected or not. There will be no additional compensation for returning to survey any points that were inaccessible after they have been made accessible or located by the City.

2. **LEAK LOCATION PHASE:** The purpose of this phase of the survey is to accurately pinpoint the location of every existing detectable leak in the water system. During this phase, using a combination of ultrasonic surveying and correlator analysis, the surveyor will "confirm" or "disqualify" every suspect leak sound/area that was detected and identified during the leak detection phase. The Surveyor shall make every reasonable effort to accurately pinpoint every leak in the water system that is designated for survey by the City.

- **Daily Survey Project Communications** - At the start of each day the surveyor shall notify the City of the planned daily survey activities, identify the crew members performing the work and their location daily by email and/or by phone. The Survey crew should also check in with the City prior to starting that day's work phone call. The Surveyor will provide the City with contact mobile phone numbers for key field personnel and the survey's project manager. Obvious exceptions to this would be on weekends or evening hours when City offices are normally closed.
- **Approved Leak Location Equipment** - The Surveyor shall only utilize latest generation Leak Noise Correlator Systems for leak pinpointing, such as the FCS TriCorr Touch, Fuji LC-2500, Sewerin SeCorr 08, or their equivalent. The use of "ground miking" devices, or unmanned leak correlation equipment as the primary means to pinpoint leaks located on main line or service lines is unacceptable unless no other means are practical or possible. Any proposing firm that intends to use correlator systems other than those specified, shall enclose detailed equipment information and equipment specs with your proposal.
- **Approved Methodology** - The Surveyor shall investigate every suspect leak sound, regardless of size or type with a leak noise correlator. Pinpointing accuracy is of utmost importance to the

City. Therefore, the surveyor will make every reasonable effort to thoroughly investigate and correlate every leak site before marking the location of a leak or leaks.

**The surveyor will make as many correlator set-ups as are strategically necessary to ensure consistently accurate leak locations throughout the water system.**

- **Correlator Set Ups** - A correlator set up is defined as placement of two sensors and their respective preamplifiers on any combination of Fire Hydrants, Hydrant Auxiliary Valves, Main Line Valves, Curb Stops, and Meter sets that straddle the suspected location of the leak, for the purpose of establishing the exact location of a leak. Correlative analysis is performed by running a series of scans throughout the various filter settings before concluding that setup document your results and then changing your sensors positions to run the next series of scans on the next setup.

Depending upon the location of a suspect site and the layout of water main and appurtenances, the surveyor may have numerous setups available to them to analyze and confirm the location of a leak. Whenever possible the surveyor shall run no less than three different setups before marking a leak's location, or concluding that no leak exists in that vicinity. The surveyor is strongly encouraged to make as many setups as existing conditions allow accurately establishing and confirming the exact location of a leak.

Every detected suspect leak site shall be thoroughly investigated, resurveyed and electronically analyzed with an approved leak noise correlator. Every confirmed leak site shall be electronically confirmed through correlative analysis, and each leak pinpointed utilizing a "Computerized Leak Noise Correlator" as detailed herein. Expected leak types discovered during the survey typically include: mainline leaks, valve leaks, hydrant leaks, and service leaks whether they exist on the City side or the property owner's side of the curb stop.

- **Typical leaks that the surveyor should expect to locate and mark include:**
  - **Mainline leaks** will be accurately pinpointed, marked in the field and documented wherever they may exist on the water main.
  - **Service line leaks** located between the service corporation and the building foundation will be accurately pinpointed, marked in the field and documented. In the course of their investigation, the surveyor shall determine is the leak is on the City's side or the property owner's side of the curb stops. The Surveyor is required to pinpoint leaks between the curb stop and building foundation, and will document those leaks on the property owner side for submittal to the City. City staff can help with accessibility into the building.
  - **Fire Hydrant, Auxiliary Valve and Mainline Valve Leaks** will be accurately pinpointed. It is not necessary to mark them in the field. Surveyor only needs to document the exact location of these types of leaks for submittal to the City.
  - **Utility Line and Appurtenance Location** - Accurately measuring the exact amount, type and size of pipeline and inputting that data into the correlator setup is a key to pinpointing accuracy. Being able accurately locate and trace the layout of water main and service lines within a suspect leak site is critical. Therefore, the surveyor shall be

equipped with "state of the art" Utility Location Equipment such as Radiodetection RD8100 or RD7100, or their equivalent; and ferromagnetic metal location equipment such as Schonstedt GA-72Cd or GA-92XTd, or their equivalent. Any proposing firm that intends to use other equipment than that which is specified, shall enclose detailed equipment information and equipment specs with your proposal. The surveyor will be responsible for accurately locating and tracing any mainline and service lines that is suspected to have a leak. The City will also assist the Surveyor on an as-needed basis with information about the location of certain mains and appurtenances.

- **Daily Survey Project Communications** - At the start of each day the surveyor shall notify the City of the planned daily survey activities, identify the crew members performing the work and their location daily by email and/or by phone. The Survey crew should also check in with the City prior to starting that day's work phone call. The Surveyor will provide the City with contact mobile phone numbers for key field personnel and the survey's project manager. Obvious exceptions to this would be on weekends or evening hours when City offices are normally closed.
  - **Interim Survey Progress Reports:** Monthly or upon request of the City, the Surveyor will be required to submit progress reports which will detail, by phase and survey area, the percentage of completion, type and number of leaks found to date and calculated or estimated sizes of the repaired leaks in gallons per day. Interim reports may be submitted by email, fax or regular mail.
  - **Leak Location Documentation** - As each leak is pinpointed, its exact location shall be marked in the field with a distinctive paint mark and /or field stake for each leak. An individual leak location report shall then be prepared and submitted to the Water Division. This report shall indicate the exact location of the leak, date of detection, date of location, estimate of loss or size classification, a diagram of the leak site and recommended corrective action for its repair. Please enclose a copy of your typical leak location report with your proposal.
  - **Pinpointing Miss-marked Leaks** - In the event of an errant leak location, the Surveyor will be responsible for re-pinpointing that leak at their own expense until it is exposed. If possible, the Surveyor will make every effort to promptly return to the site while City repair crews are on-site and the initial repair excavation is still open. The surveyor must maintain a 24-hour hotline and be accessible in a timely basis whenever a leak needs to be immediately re-shot and marked.
3. **REMONITORING PHASE:** After each leak has been successfully pinpointed, repaired or stopped, the Surveyor shall resurvey every repaired leak site to verify a positive repair and/or pinpoint previously undiscovered leakage in the vicinity of the initial leak, that may have coincidentally been masked by the sound created by the original leak. Any additional leakage the is detected during the remonitoring phase shall be promptly and accurately pinpointed and documented as per the procedures specified previously in this document.
4. **FINAL REPORT:** At the conclusion all survey project activities, the Surveyor shall prepare and submit, in triplicate, hard copies and a digital PDF file of the comprehensive final report detailing the context of the survey program.

**At the minimum, the comprehensive final report must detail the following:**

- a) Area by area summary of activities and findings
- b) Summary of the number and type of leaks that were located
- c) Summary and breakdown of the number and type of monitored appurtenances
- d) Reference ID number, leak type and calculated volume (GPD) for each leak.
- e) Completed copies of each individual leak location report that detail findings, water loss recovery and repair information.
- f) Survey area maps that show the location of each leak, its type and reference number.
- g) Concluding section that summarizes and outlines any additional findings, observations, recommendations for future pro-active measures that the Surveyor reached during and as a result of this survey.
- h) The Final Report must be acceptable for submittal to Illinois Department of Natural Resources. The surveyor may be required to provide a copy of their typical Final Report to the city for evaluation during the proposal review process.
- i) A comprehensive Final Report shall be completed and submitted to the City within 90 days of the survey's completion. If additional leak repair information becomes available after that time, the City at its discretion may require the Surveyor to revise their report and submit updated copies of the Final Report.

### **Valve Operating, Locating and Reporting –**

1. **The Water Distribution System Valve Assessment:** The use of hydraulic or electric valve operators is allowed. When using mechanical valve operators torque setting shall be started at the lowest force and increased till the valve operates or it is determined by the project team that breakage of the valve may occur. The surveyor shall furnish all labor, material, transportation and equipment necessary to perform the program. The surveyor shall locate and operate each main line valve in the designated area as defined by the city. An Assessment Report shall be generated by the surveyor as to the location and condition of each valve exercised or attempted to be exercised. The information detailed in the Assessment Report shall be conveyed to the city in a paper and electronic format. The surveyor shall provide copies of their typical Assessment Report to the city for evaluation during the proposal review process. Any valve that fails during exercising will be repaired or replaced at the expense of the city
- a. **Survey Sub Area(s) Organization** – The entire water distribution system designated for survey shall be subdivided into sub areas so that the survey can be completed in stages by area. This work plan including map, plan and timelines will be submitted to the City for approval prior to work start.
- b. **Daily Communications** - The Surveyor will check in with the City prior to starting that day's work. Obvious exceptions to this would be on weekends or evening hours when City offices are normally closed. Every two weeks or upon request, the Surveyor will be required to

submit progress reports which will detail, by phase and survey area, the percentage of completion, type and number of leaks found to date and estimated sizes of the leaks in gallons per day.

2. **LOCATING PHASE:** All main line water valves will be located and positions recorded in acceptable matter to allow the location and related data to be integrated into the cities GIS system. Water maps will be examined to determine the anticipated location of each valve. Any valves shown, but not identified by visual inspection, will be searched for using a magnetic locator. Should the search fail use of a radio-detection locator shall be used to trace water mains to establish the configuration and the probable location of the valve. Once located valve boxes or valve vaults shall be painted with precautionary blue paint for future reference.
3. **EXERCISING:** Each of the located water valves will be exercised to an extent to insure its ability to operate through its full range of turns. Valves will be first attempted to be operated manually. Valves that require machine assistance will be turned no more than 5 revolutions before reversing direction. This process will be repeated until the valve has reached closure. The valves shall be exercised from full open to full closure a minimum of three (3) times or until such time no further turn range improvement is noted. Valve should be left in a position of two revolutions closed from full opened. If for some reason the valves is unable to be left in the required opened state. Then the water department should be contacted immediately.
4. **STRUCTURE INSPECTION:** Each valve structure needs to be cleaned, dewatered and inspected. Inspections will be required to be completed by AWWA and NASSCO MACP inspection and reporting standards. Overall conditions assessments and inspections techniques will be required to follow the MACP standard for inspecting and reporting.
5. **REPORT:** The report shall include, but not limited to, the following information. Identifying number is consistent with the city map provided by the utility. Location referenced by coordinates in landmark system approved by the city, location by street and cross-street names, size, type, date, operating nut depth, enclosure type, number of turns to achieve full closure, direction of closure, present valve position, date exercised, machine torque rating, all MACP valve structure reporting.

#### **General Conditions**

The technical service provider selected to perform this project will be responsible for furnishing all labor, material, transportation, tools, and equipment necessary to properly and accurately perform the Leak Detection Survey and Valve Exercising Programs. The technical service provider shall be required to provide such skilled and trained personnel and equipment necessary to complete the work as specified herein.

- A preconstruction meeting will be held with the city. At that meeting the contractor and the city will predetermine the areas, proposed time line, reporting and billing protocols
- Project Personnel will meet with the City Utility Division to review the project guidelines and answer any questions on procedures
- The annual work schedule and total budgetary amount shall be coordinated by the City and the successful firm. All work shall be completed and invoiced by April 1 of each contract year.



- Survey Field Crews will consist of a minimum of two persons working at all times. Technical Service Provider is required minimum of five years of experience with both valve operating and Assessment Programs, and Correlator-Based Leak Detection and Location Surveys.
- The project manager needs to notify the Water Division manager via email, anytime the Technical Service Provider is scheduled to perform work within the city. They shall notify the City of the Crew Personnel, the nature of their work assignment and the atlas grid section / survey sub-area where they will be working that day.
- All field work will be conducted between the hours of 7:00 AM weekdays, and must be completed for the day by 3:00 PM, Monday through Friday. Weekday hours, other those listed, and Weekend Hours must be requested and approved in advance by the City. Additional hours must be approved 24-hours in advance to coordinate inspection. Note that the Technical Service Provider may be restricted with respect to work hours each day depending on special events in the area and weather.
- The City will provide the technical service provider with two (2) copies of the water system map, and a digitized atlas file showing the appurtenance and its identifier. The water maps will be examined to determine the anticipated location of each appurtenance.
- **Traffic Control and Safety:** The Technical Service Provider is responsible for all traffic control and protection. Work in any roadway requires traffic control and protection measures that meet IDOT standards for such. A City inspector will be making spot checks and any deficiencies must be addressed immediately. The Technical Service Provider is responsible for reviewing the jobsite and quantifying the need for flaggers.

During all phases and steps of the project appropriate temporary traffic control measures must be exercised to ensure traffic safety. All survey vehicles will be equipped with appropriate warning lights, that will include but is not limited to strobes and warning/arrow light bars. Vehicle warning lights must be engaged whenever work is being performed. Proper traffic cones and warning lights will be used whenever survey vehicles are parked for any extensive period of time while performing the leak location phase.

- **Safety:** The Technical Service Provider shall provide a Safety Officer contact for the City Inspector to address any safety related concerns that arise on the job. The Safety Officer shall have the ability to respond and address the concern in a timely fashion.

The Technical Service Provider shall always exercise every precaution for the protection of persons and properties. The safety provisions of all applicable laws and ordinances shall be strictly observed. The Technical Service Provider shall abide by all IDOT, EPA and OSHA safety standards and regulations. The City is not responsible for site safety. The surveyor is solely and exclusively responsible for means, methods, technologies and site safety.

- **Respect for resident and business property is very important. To the extent that private property damage can be minimized, it is in the Technical Service Provider's best interest to incorporate the following into their daily field operations:**

Where specialized equipment could be utilized to minimize private property damage, the Technical Service Provider should consider such. Technical Service Provider shall make the City aware of any

work on private property that may damage trees, landscaping, fences, sheds, or other property **prior to starting work**. Any abnormal damage, as deemed by the City Inspector, shall be the responsibility of the Technical Service Provider, without any additional payment by the City.

Any driveways or sidewalks in the work zone should be photographed by the Technical Service Provider prior to work starting to defend against resident claims that Technical Service Provider work cracked or damaged such. Technical Service Provider shall be responsible for defending and satisfying any claims for driveway or sidewalk damage. Pending resident claims against the Technical Service Provider could delay final invoice processing.

- The City will also make available, on a reasonable basis, personnel with a working knowledge of the water system to assist in the location of water main and system appurtenances. The City will also assist or accompany the Surveyor should access to private property, utility easements behind homes, or if access within a private business or residence is necessary.
- The City will make scheduling and access arrangements directly with the property owner should an order be placed for the surveyor to pinpoint a service leak between the curb stop and the building.

#### **Technical Specifications & Requirements:**

It is acknowledged that there are various types of equipment and methods that may be employed by the Surveyor to complete the scope of services. In order for the City to fairly and adequately analyze and compare the proposals of the individual firms, it shall be necessary for the prospective Surveyor to submit the following information.

#### ***Requirements:***

- 1) A complete detailed description of the method by which the Surveyor will perform all phases of the Leak Survey. Include a statement of what percentage of available appurtenance the Surveyor intends to monitor for leak sounds.
- 2) A complete listing of all equipment, vehicles and personnel to be utilized by the Surveyor during the survey. This listing should include the length of time this equipment has been used by the Surveyor and number of surveys conducted with this method and equipment.
- 3) An itemized listing of any City Water Division assistance, manpower, vehicle, drivers and/or equipment requirements that the Surveyor would expect for the City.
- 4) A statement as to the sensitivity, precision and/or accuracy the Surveyor has achieved and expects to provide in detecting and pinpointing leakage during this survey.
- 5) A list of municipal references where the Surveyor has performed similar services in the past two years. Included within the list should be the name and telephone number of the appropriate contact persons. A listing of results from those surveys shall be included.
- 6) Included with your proposal should be copies of your Leak Detection Form, Detection Survey Record Form, Valve Assessment Form, and a copy of your typical Final Report.
- 7) Proposals must be received by the City on or before **10:30 AM, Friday, June 2, 2017.**

**Right to Change Scope of Work:** Due to budget constraints, the City reserves the right to add or delete from the contract as required. No adjustments in contract unit prices or additional compensation will be made for alteration in the quantities or services from the contract. The quantities listed are estimates only and may be altered.

### **SELECTION OF THE TECHNICAL SERVICE PROVIDER**

It is the responsibility of the prospective Technical Service Provider to provide any and all information he deems necessary to provide an accurate description of the leak detection and location services and valve exercising that can be provided to the City. The City reserves the right to review the submitted proposals and to request additional information from the prospective Technical Service Provider for clarification of the proposal and/or modifying the proposal. The City further reserves the right to select a Technical Service Provider that will perform the requested professional services in a manner that is in the best interest of the City

### **Pricing Request**

The City is requesting Technical Service Providers provide a unit cost for the following. Due to budget constraints, the City reserves the right to add or delete from the contract as required. No adjustments in contract unit prices or additional compensation will be made for alteration in the quantities or services from the contract. The quantities listed are estimates only and may be altered. The Surveyor may propose a lump sum price option, or an alternate price option for the detection phase and unit costs for leak pinpointing.

**Additional work** –This is a unit cost contract the City will not pay for any additional work or fees related to leak survey, leak locating (pinpointing) and or Valve Exercising.

**Year 1 – May 1, 2017 – April 30, 2018**

Item	Estimated Quantity	Unit Cost	Total
Leak Survey	1,203,840 Ft (228 miles)	87.12 /Mile	19,863.36
Valve Exercising	1174	43.50 /Each	51,069.00
<b><u>Leak Locating (pinpointing)</u></b>			
Main Line		375.00 /Each	
Hydrant		100.00 /Each	
Valve		100.00 /Each	
Service Line (public & private)		375.00 /Each	
Additional Category			

**Year 2 – May 1, 2018 – April 30, 2019**

Item	Estimated Quantity	Unit Cost	Total
Leak Survey	1,203,840 Ft (228 miles)	87.12 /Mile	19,863.36
Valve Exercising	1174	44.50 /Each	52,243.00
<b><u>Leak Locating (pinpointing)</u></b>			
Main Line		375.00 /Each	
Hydrant		100.00 /Each	
Valve		100.00 /Each	
Service Line (public & private)		375.00 /Each	
Additional Category			

**Year 3 – May 1, 2019 – April 30, 2020**

Item	Estimated Quantity	Unit Cost	Total
Leak Survey	1,203,840 Ft (228 miles)	87.12 /Mile	19,863.36
Valve Exercising	1174	45.50 /Each	53,417.00
<b><u>Leak Locating (pinpointing)</u></b>			
Main Line		375.00 /Each	
Hydrant		100.00 /Each	
Valve		100.00 /Each	
Service Line (public & private)		375.00 /Each	
Additional Category			

**2/6/14 SECTION II**  
**INFORMATION TO SUPPLIER/CONTRACTOR**

**1. GENERAL CONDITIONS:**

- A. Proposals shall be submitted in a sealed envelope, inserted in a larger sealed envelope. Both envelopes shall be clearly marked with the word "Proposal", and the name of the project or subject of the proposal. (Sec. 2.33.200A of the St. Charles Municipal Code). The outer envelope shall be addressed "Purchasing Manager, City of St. Charles, Two East Main Street, St. Charles, IL 60174." Include a return address on both envelopes. Proposals received after the specified time and date will be returned unopened. Proposals shall be on City of St. Charles proposal form and shall be returned attached to the original specification sheets. Copies are not acceptable. **All proposals submitted are binding for sixty (60) calendar days following the date of the quote opening.**
- B. All proposals must be signed with the firm name and by an authorized officer or employee of the company. One proposal per supplier/contractor is allowed.
- C. The award of proposals shall be made, after determination of the successful supplier/contractor by the City Council, by issuance of a City purchase order from the City of St. Charles purchasing manager to the successful supplier/contractor.
- D. The City of St. Charles reserves the right to waive minor specification deviations and reject any or all proposals, and to accept the proposal, which is in the best interest of the City.
- E. All proposals must be quoted on the basis of delivery to the City storeroom, 200 Devereaux Way in St. Charles, IL. The price shall be stated in units and proposals made on each item separately. In case of conflict, the unit price shall govern. The City reserves the right to award the proposal in aggregate or on individual items.
- F. All taxes, storage, handling and delivery costs incurred prior to receipt of the material by the City must be assumed by the successful supplier/contractor.
- G. All taxes, storage, handling and delivery costs incurred prior to receipt of the material by the City must be assumed by the successful quoter. The City of St. Charles is exempt from paying Illinois Use Tax, Illinois Retailers Occupation Tax, Federal Excise Tax, and Municipal Retailer's Occupation Tax.

The Illinois Department of Revenue tax exempt form can be obtained through the City of St. Charles Office of Purchasing.

The winning quoter will be required to complete the requested information included on this form. It is the purpose of this document to allow the winning bidder to purchase items for the bid project, tax free. It is the intent that the contractor will include the savings into the bid or quote.

Contractors will be responsible for utilizing this tax exempt form in a legal and responsible way. The contractor must sign a certification that the tax exempt form will be solely used for the purpose stated above. Abuse of the City's tax exempt status to avoid sales tax liability on other contractor purchases shall not be tolerated and may disqualify the contractor from being awarded future City contracts or business.

- H. If applicable, material is to be delivered on a flatbed trailer and ready to be unloaded from the side of the trailer without driving a forklift onto the trailer. Advance notice of 48 hours is required by calling 630-377-4421. Deliveries can be made to the City between the hours of 7:00 a.m. - noon and 12:30 p.m. - 3:30 p.m.
- I. Each supplier/contractor shall make an accurate statement in the proposal of the smallest number of calendar days in which delivery can be made after placement of the order.
- J. Any firm quoting this/these unit(s) must have a full service shop which includes parts and service mechanics capable of making any adjustments or repairs as may be required. The firm must also have service truck capabilities.
- K. Materials will be paid within 30 days of receipt/acceptance of same and receipt of invoice, or if a discount is allowed and is advantageous to the City, within five (5) days of receipt/acceptance of same and receipt of the invoice. Proposals will be evaluated on both thirty (30) day and discount pricing.

REQUIRED \_\_\_\_\_ NOT REQUIRED   X   \_\_\_\_\_

- L. Travel time (incl. on-site repairs and/or pick up and delivery) is included within the labor or service warranty.

REQUIRED \_\_\_\_\_ NOT REQUIRED   X   \_\_\_\_\_

2. **MATERIALS:**

Only new, unused, first quality material and/or equipment shall be offered by the supplier/contractor.

3. **PROPOSAL RESULTS:**

The supplier/contractor must supply a self-addressed, stamped envelope for obtaining proposal results. **NO** proposal results will be given by telephone.

4. **ADDENDUM**

Any interpretation of the specifications will be mailed to each supplier/contractor receiving a set of the proposal documents. Supplier/contractors shall acknowledge receipt of such addendum by returning the addendum form.

5. **PROPOSAL DEPOSIT**

A 10% proposal deposit (certified check, cashiers check, or bank draft) or proposal bond **is** required to accompany this proposal. Failure to do so will eliminate the proposal.

REQUIRED \_\_\_\_\_ NOT REQUIRED   X  

6. **PERFORMANCE BOND**

A performance bond in the amount of 100% of the proposal submitted **is** required within ten (10) calendar days of acceptance of the supplier/contractor's proposal by the City.

The performance bond of the successful supplier/contractor shall have a minimum "A" rating as defined in Best's Key Rating Guide, be conditioned on the faithful performance of the requirements of the contract, and shall have as surety a corporate surety authorized to act as such in Illinois. The performance bond shall cover payment for all labor and material, and insure completion of the project. The supplier/contractor will be responsible for all claims for injuries to persons or damages to property or premises arising out of or in connection with his or her operations prior to the acceptance of the finished work or supplies, and that he or she will promptly make payments to all persons supplying him or her or them with labor or materials in the prosecution of the work provided for in the contract; and shall guarantee to indemnify and save the City and its officers and employees harmless from all costs, damages, and expenses arising out of or by reason of the supplier/contractor's failure to comply and perform the work and complete the contract in accordance with the specifications.

The performance bond shall be in conformance with the requirements of the Illinois Act in relation to bonds of supplier/contractors entering into contracts for public construction. (Illinois Compiled Statutes Ch. 30, Sec. 550/1, et seq.)

REQUIRED \_\_\_\_\_ NOT REQUIRED   X

7. **GENERAL GUARANTY**

The supplier/contractor agrees to (a) hold the City, its agents, and employees harmless from liability of any nature or kind for the use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented, invention, article, or appliance furnished or used in the performance of the contract in which the supplier/contractor is not the patentee, assignee, licensee, or owner; (b) protect the City against latent defective material or workmanship and to repair or replace any damages or marring occurring in transit or delivery; (c) pay for all permits, licenses, and fees and give all notices and comply with all laws, ordinances, and rules of the City and State of Illinois; (d) indemnify City against all claims for personal injury, death, and/or property damage arising out of the project.

8. **ASSIGNMENT**

Assignment of this contract or any part thereof, or any funds to be received thereunder by the supplier/contractor shall be subject to the approval of the City of St. Charles.

9. **DEFAULT**

The contract may be cancelled or annulled by the purchasing manager in whole or in part by written notice of default to the supplier/contractor upon nonperformance or violation of contract terms. An award may be made to the next lowest supplier/contractor, or articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting supplier/contractor (or his surety) shall be liable to the City for costs to the City in excess of the defaulted contract prices. The supplier/contractor shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the supplier/contractor to deliver materials or services within the time stipulated on his or her proposal, unless extended in writing by the purchasing manager, shall constitute contract default.

10. **INSURANCE**

Detailed insurance requirements are included under City of St. Charles Insurance Requirements for Supplier/contractors.

The supplier/contractor **shall** secure and maintain in effect at all times, at his or her expense, insurance of the following kinds and limits to cover all locations of the supplier/contractor's operations in connection with work on his or her company's projects, naming the City of St. Charles as an additional insured. The supplier/contractor shall furnish Certificates of Insurance to the City before starting construction or within 10 days after the execution of the contract, whichever date is reached first. All insurance policies shall include a non-cancellation clause provision preventing cancellation without 30 days written prior notice to the City. In case of insurance cancellation, supplier/contractor shall obtain a new insurance policy in compliance with this paragraph prior to the effective date of cancellation.



Certificates of insurance must be completed on the ACCORD 25-S form, with the cancellation clause revised and revisions initialed. An example is enclosed.

REQUIRED   X   NOT REQUIRED                     

For this specific project, the City of St. Charles is requiring a liability umbrella of \$ 5,000,000 (aggregate for this project).

REQUIRED   X   NOT REQUIRED                     

11. **CERTIFICATE OF COMPLIANCE**

All supplier/contractors are required to complete the Certificate of Compliance (attached) as per the Illinois Compiled Statutes Ch. 65, Sec. 11-42.1-1, which will be returned with the proposal.

12. **HEALTH AND SAFETY ACT**

All work under this contract shall comply with the Occupational Safety and Health Act (OSHA) of 1975, and all other federal, state or local statutes, rules or regulations affecting the work done under the contract.

13. **PREVAILING WAGE RATE**

This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 *et seq.* ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Department publishes the prevailing wage rates on its website at <http://labor.illinois.gov/>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's website for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, *including but not limited to*, all wage requirements and notice and record keeping duties.

The successful quoter and each subcontractor shall submit monthly, in person, by mail, or electronically, a certified payroll to the City of St. Charles. The certified payroll shall consist of records of all laborers, mechanics, and other workers employed by them on the project. The records shall include each worker's name, address, telephone number (when available), the last four digits of the worker's social security number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, and the starting and ending times of work each day. The certified payroll shall be accompanied by a statement signed by the quoter or subcontractor which avers that:

- A. Such records are true and accurate;
- B. The hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and
- C. The quoter or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class B misdemeanor.

The City of St. Charles is required to keep the certification records submitted for a period of not less than five years. Furthermore, these records, except an employee's address, telephone number, and social security number, shall be made available in accordance with the Freedom of Information Act.

14. **EXECUTION OF CONTRACT, INSURANCE AND PERFORMANCE BOND**

The successful supplier/contractor, within ten (10) business days after acceptance of the supplier/contractor's offer by the City, shall execute all requested contract documents, supply satisfactory evidence of required insurance, and furnish a satisfactory performance bond when required by the proposal documents. In the event that the supplier/contractor fails to furnish required documents, insurance, and performance bond within ten (10) business days after acceptance of the supplier/contractor's offer by the City, then the City's acceptance of the offer shall automatically terminate, and the proposal deposit of the supplier/contractor shall be retained by the City as reimbursement for administrative costs.

15. **RELEASE OF PROPOSAL DEPOSITS**

Within a reasonable time after the proposal opening, proposal deposits of all except the three lowest responsible proposals will be released. The remaining deposits will be released after the successful supplier/contractor has executed the contract documents and furnished evidence of the insurance and bonds required by the proposal documents.

16. **EQUAL OPPORTUNITY EMPLOYER**

The City of St. Charles is an equal opportunity employer, and all supplier/contractors are required to be equal opportunity supplier/contractors as defined by all applicable state and federal laws and regulations.

17. **VETERANS PREFERENCE**

The City of St. Charles, per Illinois Compiled Statutes Ch. 330, par. 55/1-55/3, gives preference to veterans for public works contracts, should a tie quote arise between local OR non-local suppliers.

18. **CERTIFICATE OF NON-DISQUALIFICATION**

All supplier/contractors are required to submit a completed Certificate of Non-Disqualification (attached), as required under Illinois Compiled Statutes, Ch. 720, Sec. 33 E-11.

19. **PROVISIONS OF ST. CHARLES MUNICIPAL CODE**

All proposals and contracts shall be in accordance with Title 2, Ch. 2.33 of the City of St. Charles Illinois Municipal code, as from time to time amended, which shall take precedence over and control all aspects of this contract, and which are incorporated herein by reference.

20. **SURVIVAL**

The provisions hereof shall survive and shall not merge with the resulting purchase order or contract awarded to the successful supplier/contractor, but shall be additional terms thereof; and the submission of a proposal shall be deemed as acceptance of these terms.

21. **CERTIFICATE OF COMPLIANCE WITH SAFETY STANDARDS**

All supplier/contractors are required to submit a completed Certificate of Compliance with Safety Standards (attached).

22. **CERTIFICATE OF COMPLIANCE WITH PUBLIC ACT 87-1257 OF THE ILLINOIS HUMAN RIGHTS ACT**

All supplier/contractors are required to submit a completed Certificate of Compliance with Public Act 87-1257 of the Illinois Human Rights Act (attached).

23. **WAIVERS OF MECHANICS LIEN**

A. With each application for payment, submit waivers of mechanics liens from the supplier/contractor, subcontractors, and suppliers for the construction period covered by the current application. Payment will not be released until the supplier/contractor has supplied the City with the waiver of liens.

1. Submit partial waivers on each item for the amount requested, prior to deduction for retainage, on each item.
2. When an application shows completion of an item, submit final or full waivers.
3. The City reserves the right to designate which entries involved in the work must submit waivers.
4. Waiver Delays: submit each application for payment with the supplier/contractor's waiver of mechanics lien for the period of construction covered by the application.

A. Initial application for payment: administrative actions and submittals, that must precede or coincide with submittal of the first application for payment, include the following:

1. List of subcontractors.
2. List of principal suppliers and fabricators.
3. Schedule of values.

REQUIRED \_\_\_\_\_ NOT REQUIRED   X   \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE OF  
ILLINOIS COMPILED STATUTES, CH. 65, SEC. 11-42.1-1**

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Associated Technical Services Ltd. (quoter) is not currently delinquent in the payment of any tax administered by or owed to the Illinois Department of Revenue, or otherwise in default upon any such tax as defined under Ch. 65, Sec. 11-42.1-1, Illinois Compiled Statutes.

Associated Technical Services Ltd  
Name of Bidder

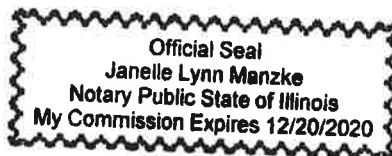
By: [Signature] Business Manager

State of Illinois, ss.

County of DuPage

Subscribed and sworn to  
before me this 1<sup>st</sup> day  
of June, 2017.

[Signature]  
Notary Public



**CERTIFICATE OF NON-DISQUALIFICATION  
UNDER ILLINOIS COMPILED STATUTES, CH. 720, SEC. 33E-11**

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Associated Technical Services Ltd (quoter) is not barred from contracting with any unit of State or local government, as a result of a violation of Ch. 720, Sec. 33E-11 of the Illinois Compiled Statutes.

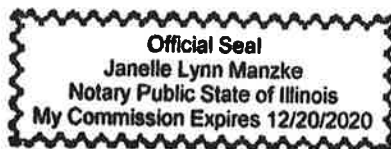
Associated Technical Services Ltd  
Name of Bidder

By: [Signature] Business Manager

State of Illinois, ss.  
County of DuPage

Subscribed and sworn to  
before me this 1<sup>st</sup> day  
of June, 2017.

[Signature]  
Notary Public



**NOTE TO QUOTER:** Anyone who makes a false statement, material to this Certification, commits a Class 3 Felony under Illinois Compiled Statutes, Ch. 720, Sec. 33E-11 (b).

**CERTIFICATE OF COMPLIANCE WITH SAFETY STANDARDS**

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Associated Technical Services Ltd. (bidder) shall comply with all local, state and federal safety standards.

Associated Technical Services Ltd.  
Name of Bidder

By: [Signature] Business Manager

State of Illinois,  
County of DuPage ss.

Subscribed and sworn to  
before me this 1<sup>st</sup> day  
of June, 2017.

[Signature]  
Notary Public



**CERTIFICATE OF COMPLIANCE WITH PUBLIC ACT 87-1257  
OF THE ILLINOIS HUMAN RIGHTS ACT**

The undersigned, upon being first duly sworn, hereby certifies to the City of St.

Charles, Kane and DuPage Counties, Illinois, that Associated Technical Services Ltd. (bidder) complies with the Illinois Human Rights Act as amended by Section 2-105, Public Act 87-1257 in relation to employment and human rights.

Associated Technical Services Ltd.  
Name of Bidder

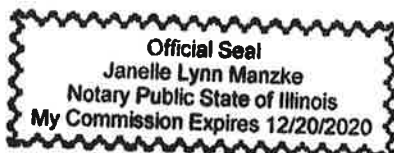
By: [Signature] Business Manager

State of Illinois, ss.

County of DuPage

Subscribed and sworn to  
before me this 1<sup>st</sup> day  
of June, 2017.

[Signature]  
Notary Public





# CERTIFICATE OF COMPLIANCE WITH PREVAILING WAGE RATE ACT

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that all work under this contract shall comply with the Illinois Prevailing Wage Act, 820 ILCS 130/.01, et. seq, (the "Act") and current City ordinance, to the extent required by law. Contractors shall submit monthly certified payroll records to the City.

Associated Technical Services Ltd  
Name of Contractor

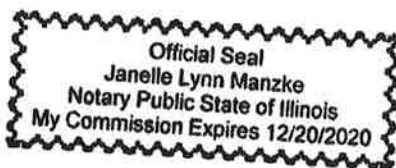
By: [Signature] Business Manager

State of Illinois,  
County of DuPage ss.

Subscribed and sworn to  
before me this 1st day  
of June, 2017.

[Signature]  
Notary Public

/cjb





**CERTIFICATE OF COMPLIANCE WITH SALES TAX FORM**

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that Associated Technical Services Ltd. (bidder) shall comply with General Conditions, Paragraph 1.G. and the Illinois Department of Revenue tax exempt form.

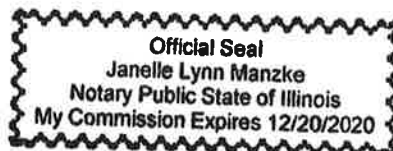
Associated Technical Services Ltd.  
Name of Bidder

By: [Signature]

State of Illinois,  
County of DuPage ss.

Subscribed and sworn to  
before me this 19 day  
of June, 2017.

[Signature]  
Notary Public



JH:cb  
Suppliers Section II



**Illinois Department of Revenue**  
Office of Local Government Services  
Sales Tax Exemption Section, 3-520  
101 W. Jefferson Street  
Springfield, IL 62702  
217 782-8881

January 2, 2015

CITY OF ST CHARLES  
DIRECTOR OF FINANCE  
TWO EAST MAIN ST  
ST CHARLES IL 60174

Effective January 1, 2015, we have renewed your governmental exemption from payment of the Retailers Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax, and the Service Use Tax, as required by Illinois law.

We have issued the following new tax exemption identification number:

E9996-0680-07  
to  
CITY OF ST CHARLES  
of  
ST CHARLES, IL

The terms and conditions governing use of your exemption number remain unchanged.

Office of Local Government Services  
Illinois Department of Revenue

Issued To: \_\_\_\_\_  
Company: \_\_\_\_\_  
Date Issued: \_\_\_\_\_  
Project: \_\_\_\_\_  
Dates Valid: \_\_\_\_\_

  
Christopher A. Minick, Director of Finance

STS-70 (R-2/98)  
IL-492-3524  
10-0001288




## **City of St. Charles Certificate of Insurance Requirements**

Contractors shall carry all insurance coverage required by law. In addition, the Contractor shall carry, at its own expense, at least the following insurance coverage with a duly licensed and registered insurance company in the State of Illinois having a minimum A.M. Best rating of A-VI:

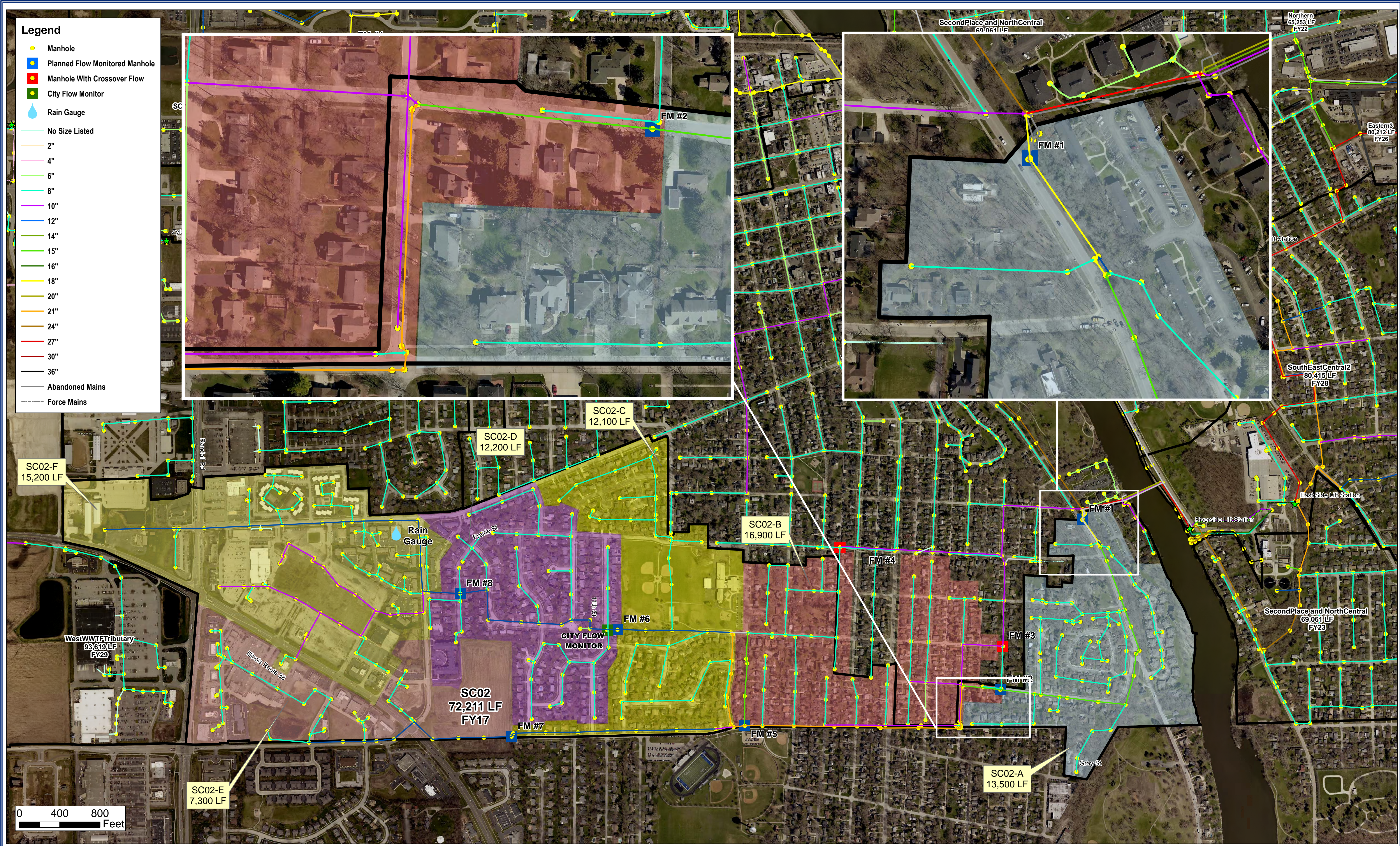
- (a) **Workers' Compensation & Occupational Diseases Insurance – Statutory amount for Illinois**
- (b) **General Liability Insurance:**
  - 1) **Bodily injury, with limits of not less than \$1,000,000 each occurrence/  
\$2,000,000 aggregate;**
  - 2) **Property damage, with limits of not less than \$1,000,000 each occurrence/  
\$2,000,000 aggregate;**
  - 3) **Contractual insurance – broad form, with limits of not less than \$1,000,000  
each occurrence/\$2,000,000 aggregate.**
- (c) **Automotive Liability Insurance:**
  - 1) **\$1,000,000 each occurrence/  
\$2,000,000 aggregate;**
  - 2) **Property damage, with limits of not less than \$1,000,000 each occurrence/  
\$2,000,000 aggregate. Property damage insurance coverage shall include non-owned, hired, leased, or rented vehicles, as well as owned vehicles.**
- (d) **Umbrella liability \$5,000,000.**



- 
- (e) Contractor's insurance policy shall name City as an additional insured on the General Liability, Automotive Liability and Excess Liability insurance policies. The insurance coverage shall be written with insurance companies acceptable to City. All insurance premiums shall be paid without cost to City. The Contractor shall furnish to City a Certificate of Insurance attesting to the respective insurance coverage for the full contract term. Contractor shall submit satisfactory proof of insurance simultaneously with the execution of the contract.
  - (f) All insurance policies shall provide that the City shall receive written notice of cancellation or reduction in coverage of any insurance policy thirty (30) days to the effective date of cancellation.

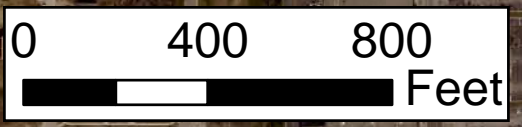
	<b>AGENDA ITEM EXECUTIVE SUMMARY</b>		Agenda Item number: 5.h
	Title:	Recommendation to Award CMOM Phase II Sewer System Evaluation Survey of SCO2 to Engineering Enterprises Inc.	
	Presenter:	Tim Wilson	
Meeting: Government Services Committee                      Date: June 26, 2017			
Proposed Cost: \$117,140		Budgeted Amount: \$120,000	Not Budgeted: <input type="checkbox"/>
<b>Executive Summary (if not budgeted please explain):</b>  <p>The CMOM Public Communication Plan was presented at the last Government Services Committee meeting. As part of the presentation we discussed in detail the work to be completed during the Phase 2 CMOM and staff's proactive approach in communication with the public.</p> <p>The proposed Phase 2 contract will include the review of the flow monitoring data conducted last fall and spring. Staff and Engineering Enterprises Inc. will determine infiltration and inflow areas or city blocks that need further investigation. A contractor will be selected to provide the following scope of work: smoke testing, manhole inspections, televising, line surveying, GPS data collection and final reports. All of the data collected will help in the design of Phase 3 rehab work that is planned to occur in the construction season of 2018.</p> <p>As a quick reminder, Sub-basin SC02 was selected as a starting point due to the problematic history in the 10th Street area. This Sub-basin is located is bordered by the following area: Prairie Street to the north and Gray Street to the south, the Fox River to the east and Randall Road to the west.</p>			
<b>Attachments (please list):</b>  <p>* SCO2 Area Map * SCO2 Agreement</p>			
<b>Recommendation/Suggested Action (briefly explain):</b>  <p>Recommendation to award CMOM Phase II Sewer System Evaluation Survey of SCO2 to Engineering Enterprises Inc. for the not to exceed amount of \$117,140.</p>			





**Legend**

- Manhole
- Planned Flow Monitored Manhole
- Manhole With Crossover Flow
- City Flow Monitor
- Rain Gauge
- No Size Listed
- 2"
- 4"
- 6"
- 8"
- 10"
- 12"
- 14"
- 15"
- 16"
- 18"
- 20"
- 21"
- 24"
- 27"
- 30"
- 36"
- Abandoned Mains
- Force Mains







*Engineering Enterprises, Inc.*

June 13, 2017

Mr. Tim Wilson  
Public Works Manager - Environmental Services  
City of St. Charles  
Two East Main Street  
St. Charles, IL 60174

**Re: Basin SC02 SSES**  
**City of St. Charles, Kane & DuPage Cos., IL**

Dear Mr. Wilson:

In accordance with your request, enclosed for your review and consideration is our proposed agreement for the Basin SC02 Phase 2 Sewer System Evaluation Survey (SSES). The Phase 2 SSES work is prioritized based off the results of the flow monitoring completed in Basin SC02 during the autumn of 2016 and the spring/early summer of 2017. The SSES fieldwork and analysis is completed to identify the defects contributing to excessive inflow and infiltration (I/I) throughout the basin and then define a cost-effective implementation plan for correcting the defects.

Our agreement includes dual blower smoke testing for an estimated total of 70,098 lineal feet of sanitary sewer and Level-2 Manhole Assessment and Certification Program (MACP) inspections for an estimated 339 manholes within Subbasins SC02-A, SC02-B, SC02-C, SC02-D and SC02-F. The defects found during smoke testing will be documented and all pictures, GIS locates, and other findings will be made available to the City. The manhole inspections will be completed by a camera which will be able to provide a complete 360-degree view of the manhole. Defects found in the manhole inspections will be documented and all findings and images will be made available to the City. In addition to smoke testing and manhole inspections, the purpose primarily being to locate rainfall derived infiltration and inflow (RDII), our contract also includes a review of sanitary sewer televising videos previously captured within subbasins SC02-B, SC02-D, SC02-E, and SC02-F. The purpose of reviewing the televising videos is to locate sources of constant excessive infiltration within the subbasins.

The agreement includes a detailed scope of services, estimate of level of effort and associated cost and schedule for the project. We are proposing two project meetings, a project initiation

meeting and a progress review meeting, as part of the project. We also will work with the City to implement the SSES Communication Plan that was recently developed. Additionally, our subcontractor, Midwest Water Group, offers a call center for resident questions as part of their smoke testing services.

Assuming agreement approval will be obtained by early July, we propose to conduct the project initiation meeting in mid-July. We are proposing to conduct the smoke testing and manhole inspections in August and September, respectively. The review of the televised data will be completed after the field work. Following the analysis of the field work results and then the completion of the financial analysis for sewer rehabilitation, we propose to meet in mid-November to review our findings. After the progress review meeting, we will develop the draft report, answer questions while the City reviews the draft report and then finalize the report by the third week of January 2018.

We look forward to continuing our outstanding partnership with the City and look forward to working with you and members of your staff on this project. If you have any questions or require any additional information, please do not hesitate to contact me.

Respectfully submitted,

ENGINEERING ENTERPRISES, INC.



Jeffrey W. Freeman, P.E., CFM, LEED AP  
Vice President

JWF/clv

Enclosures

pc: Mike Burnett – Wastewater Division Manager (Via E-mail)  
Dave Todd – Environmental Services Assistant Division Manager (Via E-mail)  
PGW, TWT, STD, DMT, CLV – EEI (Via E-mail)



**AGREEMENT FOR CONSULTING ENGINEERING SERVICES FOR  
SUBBASIN WOR\_WEST FLOW MONITORING**

This Agreement, made this \_\_\_\_\_ day of \_\_\_\_\_, 2017 by and between the City of St. Charles, Kane and DuPage Counties, Illinois, a municipal corporation of the State of Illinois (hereinafter referred to as the "CITY") and Engineering Enterprises, Inc. of 52 Wheeler Road, Sugar Grove, Illinois, 60554 (hereinafter referred to as the "ENGINEER").

In consideration of the mutual covenants and agreements contained in this Agreement, the CITY and the ENGINEER agree, covenant and bind themselves as follows:

1. Services: ENGINEER agrees to perform for the CITY the Services defined within Attachment A.
2. Direction: The Public Works Manager - Environmental Services, or his written designee, shall act as the CITY'S representative with respect to the Services to be provided by the ENGINEER under this Agreement and shall transmit instructions and receive information with respect to the Consulting Engineering Services.
3. Compensation: The work items, estimated staff time, and projected fees for each work item are summarized within Attachment B. Based on this computation, the CITY agrees to pay the ENGINEER for providing the Services set forth herein a fixed fee amount of \$117,140.
4. Term: The term of this Agreement shall be active through February 28, 2018 unless otherwise extended through written confirmation by both parties. The work items and phases shall be completed in accordance with the schedule defined within Attachment C.
5. Payment: Engineer shall invoice the CITY on a monthly basis for Services performed and any costs and expenses incurred during the previous thirty (30) day period. The CITY shall pay the ENGINEER within thirty (30) days of receipt of said invoice.
6. Termination: This Agreement may be terminated upon fourteen (14) days written notice of either party. In the event of termination, the ENGINEER shall prepare a final invoice and be due compensation calculated as described in paragraph 3 for all costs incurred through the date of termination.
7. Documents: All related writings, notes, documents, information, files, etc., created, compiled, prepared and/or obtained by the ENGINEER on behalf of the CITY for the Services provided herein shall be used solely for the intended project.
8. Notices: All notices given pursuant to this Agreement shall be sent Certified Mail, postage prepaid, to the parties at the following addresses:

The CITY:

City of St. Charles  
Two East Main Street  
St. Charles, IL 60174  
Attn: Tim Wilson  
Public Works Manager -  
Environmental Services

The ENGINEER:

Engineering Enterprises, Inc.  
52 Wheeler Road  
Sugar Grove, IL 60554  
Attn: Jeffrey W. Freeman, P.E. CFM, LEED AP  
Vice President

9. Waiver: The failure of either party hereto, at any time, to insist upon performance or observation of any term, covenant, agreement or condition contained herein shall not in any manner be constructed as a waiver of any right to enforce any term, covenant, agreement or condition hereto contained.
10. Amendment: No purported oral amendment, change or alteration hereto shall be allowed. Any amendment hereto shall be in writing by the governing body of the CITY and signed by the ENGINEER.
11. Succession: This Agreement shall ensure to the benefit of the parties hereto, their heirs, successors and assigns.

IN WITNESS WHEREOF, we have hereunto signed our names the day and year first above written.

CITY OF ST. CHARLES

ENGINEERING ENTERPRISES, INC.:

\_\_\_\_\_  
Mayor

  
\_\_\_\_\_  
Vice President

ATTEST:

ATTEST:

\_\_\_\_\_  
Title: \_\_\_\_\_

  
\_\_\_\_\_  
Administrative Assistant



## **ATTACHMENT A – SCOPE OF SERVICES BASIN SC02 SSES**

City of St. Charles, Kane and DuPage Cos., IL

### **Introduction**

In 2016, the City of St. Charles embarked on the 15-year Inflow and Infiltration Reduction Program (IIRP) as defined in the City's February 2016 CMOM plan. Basin SC02 was determined to be the first basin to initiate the three phase IIRP process. Phase 1 Flow Monitoring was completed in the SC02 basin (see attached exhibit depicting the location and subbasins within SC02) during the autumn of 2016 and the spring/early summer of 2017. The flow monitoring outlined various inflow and infiltration issues within Basin SC02. Subbasins SC02-A, SC02-B, SC02-C, SC02-D, and SC02-F exhibit signs of excessive rainfall derived infiltration and inflow (RDII) and Subbasins SC02-B, SC02-D, SC02-E, and SC02-F exhibit signs of excessive constant infiltration.

After determining the subbasins with excessive I/I during the Phase 1 Flow Monitoring process, the Phase 2 Sewer System Evaluation Survey (SSES) is conducted within those basins to locate the defects. The scope and cost of the Basin SC02 SSES work includes dual blower smoke testing and level-2 manhole inspections for an estimated 70,098 LF of mains and an estimated 339 manholes in Subbasins SC02-A, SC02-B, SC02-C, SC02-D, and SC02-F. The smoke testing and manhole inspections will be conducted to locate sources of RDII. The SSES work also includes a review of the existing televising data for subbasins SC02-B, SC02-D, SC02-E, and SC02-F. The review of televising data will be to identify and document sources of infiltration which can be used to prioritize rehabilitation efforts.

Prior to smoke testing, it is recommended the City alert those who will be affected by the activities of the upcoming work. Those who will be affected by smoke testing include residents and business owners in the study area, the police and fire department, schools, and any others who will be in, or around, the smoke testing area. EEI will work with City Staff to make any modifications to the City's SSES Communication Plan the City sees fit. EEI's SSES subcontractor, Midwest Water Group, will be responsible for placing door hangers prior to smoke testing, removing door hangers after smoke testing, and coordinating the setup and removal of road signs during smoke testing. The subcontractor will also have a call center available to answer residential questions. The City will be responsible for sending out mailers, providing any printed media (excluding the door hangers), updating the City's website, updating social media, and answering any questions from the residents that cannot be answered by the subcontractor.

All cost and schedule decisions are based on EEI's best knowledge of the study area to-date. A project initiation meeting will be conducted prior to the beginning of the SSES work to outline all necessary efforts and discuss anticipated challenges and solutions. This initiation meeting will include representatives from the City, as well as any other entities, such as the police and fire department, that the City designates as prudent to invite.

A financial analysis of the cost projected to fix the defects found during the SSES work will also be provided for the City. The financial analysis, along with a complete list of defects found during the SSES work, will be reviewed with the City during a progress review meeting. A summary SSES Report will be provided for the City and will contain an outline of all defects and findings along with the corresponding financial analysis for the defects. A GIS file containing the

location of the defects, as well as the video documentation footage, will also be made available to the City.

The proposed work items for this project are as follows:

**PROJECT FACILITATION & MEETINGS:**

- 0.1 Project Administration
- 0.2 Project Initiation and Progress Meeting (2 Total Meetings)

**FLOW MONITORING:**

- 1.1 SSES Advance Communication With Subbasin Residents & Online
- 1.2 Conduct Smoke Testing Within Subbasins A, B, C, D & F
- 1.3 Conduct Level 2 Manhole Inspections Within Subbasins A, B, C, D & F
- 1.4 Review Existing Televising Videos Within Subbasins B, D, E & F
- 1.5 Analyze Smoke Testing, Manhole Inspection, and Televising Results
- 1.6 Conduct Financial Analysis For Sewer Rehabilitation

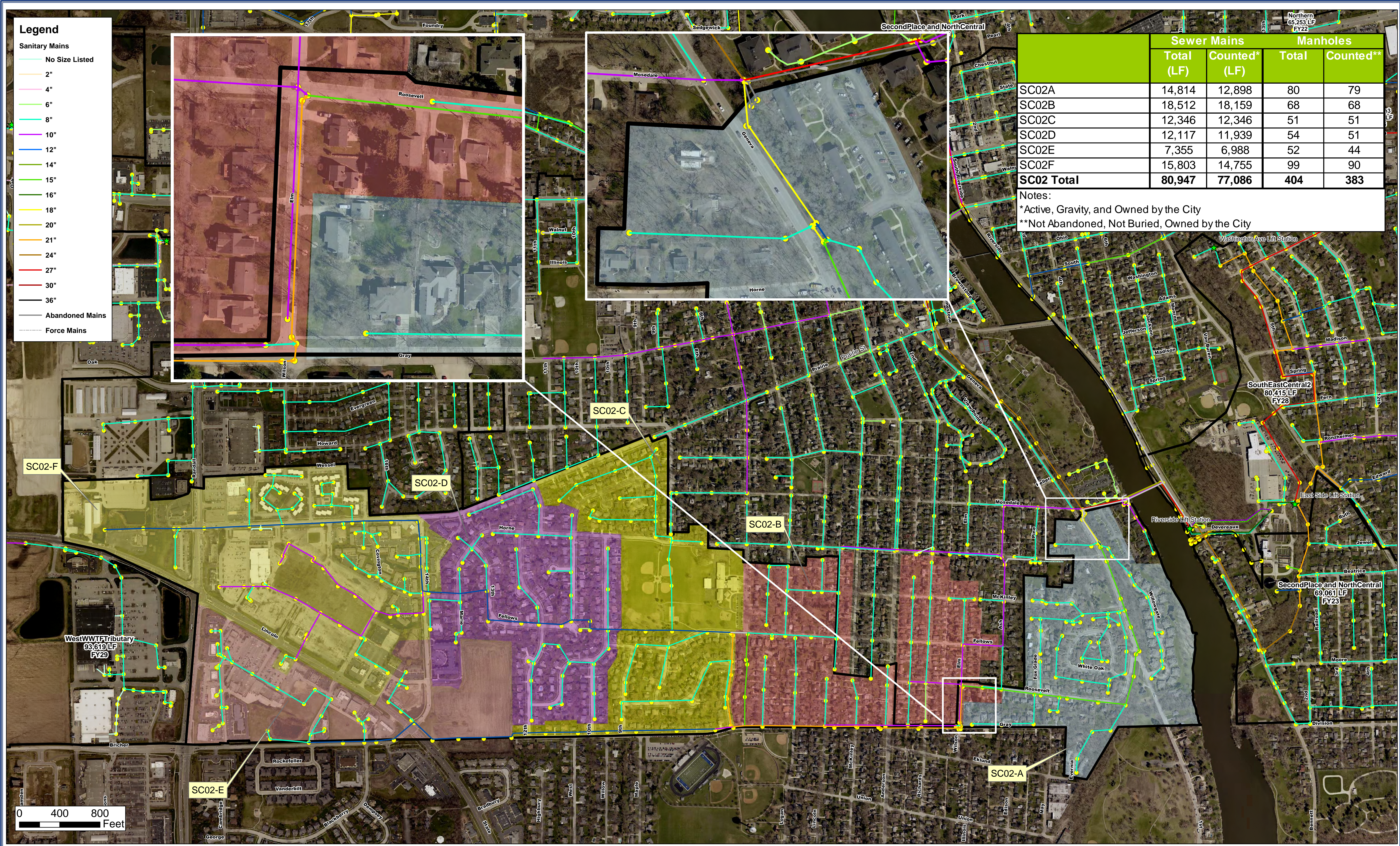
**REPORT:**

- 2.1 Prepare SSES Summary Report
- 2.2 City Draft Report Review
- 2.3 Finalize Report

**Additional Services**

The above scope summarizes the work items that will be completed for this contract. Additional work items, including additional meetings beyond the project initiation meeting defined in the above scope, shall be considered outside the scope of the base contract and will be billed in accordance with the Standard Schedule of Charges.





**Legend**

- Sanitary Mains**
- No Size Listed
  - 2"
  - 4"
  - 6"
  - 8"
  - 10"
  - 12"
  - 14"
  - 15"
  - 16"
  - 18"
  - 20"
  - 21"
  - 24"
  - 27"
  - 30"
  - 36"
- Abandoned Mains
- Force Mains

	Sewer Mains		Manholes	
	Total (LF)	Counted* (LF)	Total	Counted**
SC02A	14,814	12,898	80	79
SC02B	18,512	18,159	68	68
SC02C	12,346	12,346	51	51
SC02D	12,117	11,939	54	51
SC02E	7,355	6,988	52	44
SC02F	15,803	14,755	99	90
<b>SC02 Total</b>	<b>80,947</b>	<b>77,086</b>	<b>404</b>	<b>383</b>

Notes:  
\*Active, Gravity, and Owned by the City  
\*\*Not Abandoned, Not Buried, Owned by the City

SC02-F

SC02-D

SC02-C

SC02-B

SC02-E

SC02-A

0 400 800 Feet



Attachment B:  
ESTIMATE OF LEVEL OF EFFORT AND ASSOCIATED COST FOR PROFESSIONAL ENGINEERING SERVICES  
BASIN SC02 PHASE 2 (SEWER SYSTEM EVALUATION SURVEY - SSES) ANALYSIS  
INFLOW AND INFILTRATION REDUCTION PROGRAM  
CITY OF ST. CHARLES, KANE AND DUPAGE COS., IL

WORK ITEM NO.	WORK ITEM	ENTITY:	EEI										SUB- CONSULTANT	WORK ITEM HOUR SUMM.	COST PER ITEM
		PROJECT ROLE:	PRINCIPAL	SENIOR PROJECT MANAGER	PROJECT ENGINEER	SENIOR PROJECT TECHN. I	PROJECT TECHN.	SURVEYING MANAGER	SENIOR PROJECT SURVEYOR II	SENIOR PROJECT SURVEYOR II*	SURVEYING INTERN*	ADMIN.			
		HOURLY RATE:													
			\$191	\$185	\$133	\$133	\$121	\$168	\$155	\$196	\$82	\$80			
PROJECT FACILITATION & MEETINGS															
0.1	Project Administration		1	4										5	\$931
0.2	Project Initiation & Progress Meeting (2 Meetings Total)		6	10	8							1		25	\$4,140
Project Facilitation Subtotal:			7	14	8	-	-	-	-	-	-	1	-	30	\$5,071
SEWER SYSTEM EVALUATION SURVEY (SSES) FIELD WORK AND ANALYSIS															
1.1	SSES Advance Communication With Subbasin Residents & Online		1	4	12									17	\$2,527
1.2	Conduct Smoke Testing Within Subbasins A, B, C, D & F		1	1	16							\$40,000		18	\$42,504
1.3	Conduct Level 2 Manhole Inspections Within Subbasins A, B, C, D & F		1	1	2							\$35,595		4	\$36,237
1.4	Review Existing Televising Videos Within Subbasins B, D, E & F		4	6	30									40	\$5,864
1.5	Analyze Smoke Testing, Manhole Inspection, and Televising Results		4	6	24									34	\$5,066
1.6	Conduct Financial Analysis For Sewer Rehabilitation		2	6	24									32	\$4,684
SSES Field Work and Analysis Subtotal:			13	24	108	-	-	-	-	-	-	-	\$75,595	145	\$96,882
REPORT															
2.1	Prepare SSES Summary Report		2	8	60	16						2		88	\$12,132
2.2	City Draft Report Review		1	2										3	\$561
2.3	Finalize Report		2	4	8							2		16	\$2,346
Report Subtotal:			5	14	68	16	-	-	-	-	-	4	-	107	\$15,039
PROJECT TOTAL:			25	52	184	16	-	-	-	-	-	5	\$75,595	282	\$116,992

Notes:  
Assumes 1 Man Field Crew with RTS or GPS

DIRECT EXPENSES	
Mileage =	\$50
Printing =	\$100
<b>DIRECT EXPENSES =</b>	<b>\$150</b>

LABOR EXPENSES	
Engineering Expenses =	\$38,867
Drafting Expenses =	\$2,128
Surveying Expenses =	\$0
Administrative Expenses =	\$400
Subconsultant Expenses =	\$75,595
<b>TOTAL LABOR EXPENSES =</b>	<b>\$116,990</b>

**TOTAL CONTRACT COSTS = \$117,140**








Attachment C:  
SCHEDULE

**BASIN SC02 PHASE 2 (SEWER SYSTEM EVALUATION SURVEY - SSES) ANALYSIS**  
**INFLOW AND INFILTRATION REDUCTION PROGRAM**  
CITY OF ST. CHARLES, KANE AND DUPAGE COS., IL

WORK ITEM NO.	WORK ITEM	Year:		2017																								2018											
		Month:	July					August				September				October				November				December				January					February						
		Week Starting:	3	10	17	24	31	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	19	26		
PROJECT FACILITATION & MEETINGS																																							
0.1	Project Administration																																						
0.2	Project Initiation & Progress Meeting (2 Total Meetings)																																						
SEWER SYSTEM EVALUATION (SSES) FIELD WORK AND ANALYSIS																																							
1.1	SSES Advance Communication With Subbasin Residents & Online																																						
1.2	Conduct Smoke Testing Within Subbasins A, B, C, D & F																																						
1.3	Conduct Level 2 Manhole Inspections Within Subbasins A, B, C, D & F																																						
1.4	Review Existing Televising Videos Within Subbasins B, D, E & F																																						
1.5	Analyze Smoke Testing, Manhole Inspection, and Televising Results																																						
1.6	Conduct Financial Analysis For Sewer Rehabilitation																																						
REPORT																																							
2.1	Prepare SSES Summary Report																																						
2.2	City Draft Report Review																																						
2.3	Finalize Report																																						

G:\Public\St. Charles\2017\SR1702 SC02 Phase 2 SSES\PSA\SR1702 Attachment C - Schedule.xlsx\All 2017 Work Items

Legend	
	Project Administration Work Item(s)
	Meeting(s) & Field Visits
	Field & Analysis Work
	Report Development
	City Review



## *Standard Schedule of Charges*

*January 1, 2017*

<b>EMPLOYEE DESIGNATION</b>	<b>CLASSIFICATION</b>	<b>HOURLY RATE</b>
Senior Principal	E-4	\$196.00
Principal	E-3	\$191.00
Senior Project Manager	E-2	\$185.00
Project Manager	E-1	\$168.00
Senior Project Engineer/Planner/Surveyor II	P-6	\$155.00
Senior Project Engineer/Planner/Surveyor I	P-5	\$145.00
Project Engineer/Planner/Surveyor	P-4	\$133.00
Senior Engineer/Planner/Surveyor	P-3	\$121.00
Engineer/Planner/Surveyor	P-2	\$111.00
Associate Engineer/Planner/Surveyor	P-1	\$100.00
Senior Project Technician II	T-6	\$145.00
Senior Project Technician I	T-5	\$133.00
Project Technician	T-4	\$121.00
Senior Technician	T-3	\$111.00
Technician	T-2	\$100.00
Associate Technician	T-1	\$ 87.00
Engineering/Land Surveying Intern	I-1	\$ 82.00
GIS Technician	G-1	\$ 67.00
Administrative Assistant	A-3	\$ 80.00

### **CREW RATES, VEHICLES AND REPROGRAPHICS**

1 Man Field Crew with Standard Survey Equipment	\$158.00
2 Man Field Crew with Standard Survey Equipment	\$247.00
1 Man Field Crew with RTS or GPS *	\$196.00
2 Man Field Crew with RTS or GPS *	\$284.00
Vehicle for Construction Observation	\$15.00
In-House Scanning and Reproduction	\$0.25/Sq. Ft. (Black & White) \$1.00/Sq. Ft. (Color)
Reimbursable Direct Costs & Services by Others	Cost + 10%

\*RTS = Robotic Total Station / GPS = Global Positioning System



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.i

Title:

Recommendation to Approve Construction Contract for  
South Tyler Road Water Main Replacement

Presenter:

Tim Wilson

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$259,862

Budgeted Amount: \$325,000

Not Budgeted: ☐**Executive Summary** (if not budgeted please explain):

On June 16, 2017, sealed bids for the S. Tyler Road Water Main Replacement were publicly opened and read aloud. The City received a total of six (6) bids for this project, with the results shown below.

**Bid Results:**

Engineer's Estimate-	\$350,702
Apollo Trenchless	\$259,862
V3 Construction	\$301,565
Trine	\$305,923.80
IHC	\$308,490
J. Congdon	\$338,315
Construction by Camco	\$367,729.90

The scope of work will include 722' Linear Ft. of watermain improvements on Tyler Road from Production Drive to Munhall Avenue; this project will include the installation of a 12" water main, by open cut and trenchless methods. Work will also include asphalt patching, sidewalk replacement, and parkway restoration.

Construction is projected to begin in July, with the majority of the project completed by the end of August. Restoration and punch list work will be completed by mid-September. Individual notifications will be provided to the residents and businesses adjacent to the project area, with a press release sent out to the general community.

**Attachments** (please list):

\* Letter of Recommendation & Bid Tab \* Location Map

**Recommendation/Suggested Action** (briefly explain):

Recommendation to approve Construction Contract with Apollo Trenchless for the 2017 South Tyler Road Water Main Replacement in the amount of \$259,862

June 16, 2017

Mr. Tim Wilson  
Public Works Manager – Environmental Services  
City of St. Charles  
2 E. Main Street  
St. Charles, IL 60174

RE: Tyler Road Watermain Improvements

Dear Tim:

Bids for the above project were opened on June 15<sup>th</sup>, at 10:00 a.m., at the St. Charles City Hall, 2 E. Main Street, St. Charles, IL, and were as listed on the attached bid tabulation.

We reviewed the documentation submitted by the apparent low bidder, Apollo Trenchless, Inc., and found that:

1. To the best of our knowledge and belief, the Bid Form has been appropriately completed. We recommend that your purchasing or legal department also review the documents.
2. We have no objections to the low bidder.
3. Subcontractors have not yet been selected by the low bidder. We recommend that the City reserve the right to review/reject the low bidder's subcontractors at a later date.
4. Low bidder has successfully completed similar projects within the past five years according to references we have contacted; the City of Elmhurst, the Village of Glen Ellyn, and Baxter & Woodman (in reference to a project for the Mission Brook Sanitary District). The low bidder's reference list is attached.
5. Low bidder is not on the Illinois Department of Labor's list of Public Works Debarred Contractors (<https://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Debarred-Contractors.aspx>).
6. Low bidder is not prequalified by the Illinois Department of Transportation, but has agreed to provide a subcontractor that is prequalified in the categories of Aggregate Bases and Surface.
7. In a conference call with Chuck Cohen and Aaron Cohen of Apollo Trenchless, Inc., the low bidder has confirmed that they have thoroughly reviewed the bid documents, they are satisfied that their bid pricing is correct, and that they can complete the project by the contract completion date of August 31, 2017.

St. Charles City IL 8296-10000 Tyler Road Water Main > 300 Bidding and Construction > Bidding



Letter to Mr. Tim Wilson  
RE: Tyler Road Watermain  
June 16, 2017  
Page 2

On these bases, we recommend that Apollo Trenchless, Inc. be awarded the Tyler Road Watermain Improvements contract, for the Base Bid (\$236,162.00) and Alternate 2 (\$23,700.00), for a total amount of **\$259,862.00**. This amount is based on the bid unit prices and estimated quantities. Actual quantities, and therefore the final contract price, may vary. On all construction projects, and especially complex ones like this, unpredictable factors may increase the final contract amount. For this reason, we recommend that the City include a 10 percent contingency with this contract.

Our review did not include an evaluation of bidder's current financial condition nor of their permanent safety program or substance abuse prevention program.

Bids remain subject to acceptance until July 30, 2017, unless Bidder agrees to an extension. Please advise us of your decision to award, and do not hesitate to contact me if there are any questions.

Very truly yours,

RUEKERT & MIELKE, INC.



Andrew J Sikich, P.E. (IL, WI), CFM, CPESC  
Illinois Manager  
[asikich@ruekert-mielke.com](mailto:asikich@ruekert-mielke.com)

Encl: Bid Tabulation  
Reference List  
Apollo Bid Forms w/Bid Documents

CC: File

TYLER ROAD WATERMAIN IMPROVEMENTS

CITY OF ST. CHARLES

BID TABULATION

BID OPENING DATE: 6/15/17 AT 10:00AM

1. BASE BID				Engineer's Opinion of Prob Cost		Apollo Trenchless		V3 Construction		Trine		IHC		J. Congdon		Const. by Camco	
Item No.	Description	Unit	Quantity	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Mobilization	LSUM	1	\$ 28,500.00	\$ 28,500.00	\$ 10,000.00	\$ 10,000.00	\$ 3,100.00	\$ 3,100.00	\$ 8,930.00	\$ 8,930.00	\$ 6,829.00	\$ 6,829.00	\$ 2,500.00	\$ 2,500.00	\$ 15,000.00	\$ 15,000.00
2	Traffic Control & Protection, Special	LSUM	1	\$ 25,000.00	\$ 25,000.00	\$ 4,500.00	\$ 4,500.00	\$ 3,500.00	\$ 3,500.00	\$ 38,950.00	\$ 38,950.00	\$ 3,000.00	\$ 3,000.00	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00
3	Construction Staking and Record Drawings	LSUM	1	\$ 5,000.00	\$ 5,000.00	\$ 5,100.00	\$ 5,100.00	\$ 3,500.00	\$ 3,500.00	\$ 4,025.00	\$ 4,025.00	\$ 3,400.00	\$ 3,400.00	\$ 10,000.00	\$ 10,000.00	\$ 5,850.00	\$ 5,850.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$ 10.00	\$ 1,600.00	\$ 25.00	\$ 4,000.00	\$ 58.00	\$ 9,280.00	\$ 17.25	\$ 2,760.00	\$ 65.00	\$ 10,400.00	\$ 50.00	\$ 8,000.00	\$ 58.55	\$ 9,368.00
5	Abandon Existing Watermain	LSUM	1	\$ 10,000.00	\$ 10,000.00	\$ 8,350.00	\$ 8,350.00	\$ 12,400.00	\$ 12,400.00	\$ 7,650.00	\$ 7,650.00	\$ 12,900.00	\$ 12,900.00	\$ 15,000.00	\$ 15,000.00	\$ 12,175.00	\$ 12,175.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	377	\$ 125.00	\$ 47,125.00	\$ 79.50	\$ 29,971.50	\$ 160.00	\$ 60,320.00	\$ 135.80	\$ 51,196.60	\$ 180.00	\$ 67,860.00	\$ 175.00	\$ 65,975.00	\$ 176.00	\$ 66,352.00
7	PVC Water Main Pipe, C-900, 12" (HDD Method)	FOOT	345	\$ 350.00	\$ 120,750.00	\$ 157.00	\$ 54,165.00	\$ 240.00	\$ 82,800.00	\$ 249.70	\$ 86,146.50	\$ 200.00	\$ 69,000.00	\$ 300.00	\$ 103,500.00	\$ 265.45	\$ 91,580.25
8	Steel Casing Pipe, 22" (Open Cut)	FOOT	120	\$ 150.00	\$ 18,000.00	\$ 173.00	\$ 20,760.00	\$ 190.00	\$ 22,800.00	\$ 94.25	\$ 11,310.00	\$ 170.00	\$ 20,400.00	\$ 85.00	\$ 10,200.00	\$ 163.00	\$ 19,560.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,700.00	\$ 9,400.00	\$ 6,130.00	\$ 12,260.00	\$ 3,400.00	\$ 6,800.00	\$ 3,500.00	\$ 7,000.00	\$ 6,180.00	\$ 12,360.00
10	Fire Hydrant Removal and Reset	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 2,900.00	\$ 2,900.00	\$ 1,600.00	\$ 1,600.00	\$ 3,119.25	\$ 3,119.25	\$ 3,900.00	\$ 3,900.00	\$ 5,000.00	\$ 5,000.00	\$ 4,870.00	\$ 4,870.00
11	Line Stop Existing Main, 8"	EA	1	\$ 5,500.00	\$ 5,500.00	\$ 4,900.00	\$ 4,900.00	\$ 6,600.00	\$ 6,600.00	\$ 4,200.00	\$ 4,200.00	\$ 6,500.00	\$ 6,500.00	\$ 8,000.00	\$ 8,000.00	\$ 6,525.00	\$ 6,525.00
12	Line Stop Existing Main, 12"	EA	1	\$ 6,000.00	\$ 6,000.00	\$ 6,200.00	\$ 6,200.00	\$ 8,900.00	\$ 8,900.00	\$ 6,500.00	\$ 6,500.00	\$ 7,700.00	\$ 7,700.00	\$ 12,000.00	\$ 12,000.00	\$ 8,750.00	\$ 8,750.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$ 6,000.00	\$ 12,000.00	\$ 9,200.00	\$ 18,400.00	\$ 6,200.00	\$ 12,400.00	\$ 6,162.50	\$ 12,325.00	\$ 7,400.00	\$ 14,800.00	\$ 5,000.00	\$ 10,000.00	\$ 6,825.00	\$ 13,650.00
14	Silt Fence	FOOT	792	\$ 3.00	\$ 2,376.00	\$ 1.50	\$ 1,188.00	\$ 3.50	\$ 2,772.00	\$ 3.20	\$ 2,534.40	\$ 2.50	\$ 1,980.00	\$ 5.00	\$ 3,960.00	\$ 4.85	\$ 3,841.20
15	Inlet Protection	EA	9	\$ 100.00	\$ 900.00	\$ 325.00	\$ 2,925.00	\$ 120.00	\$ 1,080.00	\$ 124.45	\$ 1,120.05	\$ 185.00	\$ 1,665.00	\$ 125.00	\$ 1,125.00	\$ 139.00	\$ 1,251.00
16	Parkway Restoration, Special	SY	200	\$ 20.00	\$ 4,000.00	\$ 9.00	\$ 1,800.00	\$ 17.00	\$ 3,400.00	\$ 24.25	\$ 4,850.00	\$ 20.00	\$ 4,000.00	\$ 20.00	\$ 4,000.00	\$ 72.00	\$ 14,400.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$ 45.00	\$ 2,025.00	\$ 95.00	\$ 4,275.00	\$ 62.00	\$ 2,790.00	\$ 40.25	\$ 1,811.25	\$ 110.00	\$ 4,950.00	\$ 50.00	\$ 2,250.00	\$ 39.30	\$ 1,768.50
18	Pavement Patching, Full Depth	SY	87	\$ 100.00	\$ 8,700.00	\$ 150.00	\$ 13,050.00	\$ 120.00	\$ 10,440.00	\$ 143.75	\$ 12,506.25	\$ 170.00	\$ 14,790.00	\$ 125.00	\$ 10,875.00	\$ 220.00	\$ 19,140.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$ 90.00	\$ 3,060.00	\$ 200.00	\$ 6,800.00	\$ 120.00	\$ 4,080.00	\$ 51.75	\$ 1,759.50	\$ 100.00	\$ 3,400.00	\$ 50.00	\$ 1,700.00	\$ 157.00	\$ 5,338.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	1,693	\$ 12.00	\$ 20,316.00	\$ 17.50	\$ 29,627.50	\$ 11.00	\$ 18,623.00	\$ 7.50	\$ 12,697.50	\$ 12.00	\$ 20,316.00	\$ 10.00	\$ 16,930.00	\$ 9.15	\$ 15,490.95
21	Detectable Warnings	SF	10	\$ 35.00	\$ 350.00	\$ 100.00	\$ 1,000.00	\$ 58.00	\$ 580.00	\$ 40.25	\$ 402.50	\$ 340.00	\$ 3,400.00	\$ 30.00	\$ 300.00	\$ 63.00	\$ 630.00
22	Changeable Message Sign	CAL MONTHS	2	\$ 2,500.00	\$ 5,000.00	\$ 1,125.00	\$ 2,250.00	\$ 2,100.00	\$ 4,200.00	\$ 1,035.00	\$ 2,070.00	\$ 1,000.00	\$ 2,000.00	\$ 1,500.00	\$ 3,000.00	\$ 7,775.00	\$ 15,550.00
SUBTOTAL					\$ 338,702.00		\$ 236,162.00		\$ 284,565.00		\$ 289,123.80		\$ 289,990.00		\$ 326,315.00		\$ 352,449.90
2. ALTERNATE 1																	
Item No.	Description	Unit	Quantity														
1	Mobilization	LSUM	1	\$ 28,500.00	\$ 28,500.00	\$ 10,700.00	\$ 10,700.00	\$ 3,100.00	\$ 3,100.00	\$ 8,930.00	\$ 8,930.00	\$ 7,685.00	\$ 7,685.00	\$ 2,500.00	\$ 2,500.00	\$ 15,000.00	\$ 15,000.00
2	Traffic Control & Protection, Special	LSUM	1	\$ 25,000.00	\$ 25,000.00	\$ 4,500.00	\$ 4,500.00	\$ 3,500.00	\$ 3,500.00	\$ 38,950.00	\$ 38,950.00	\$ 3,000.00	\$ 3,000.00	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00
3	Construction Staking and Record Drawings	LSUM	1	\$ 5,000.00	\$ 5,000.00	\$ 5,100.00	\$ 5,100.00	\$ 3,500.00	\$ 3,500.00	\$ 4,025.00	\$ 4,025.00	\$ 3,400.00	\$ 3,400.00	\$ 10,000.00	\$ 10,000.00	\$ 5,850.00	\$ 5,850.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$ 10.00	\$ 1,600.00	\$ 25.00	\$ 4,000.00	\$ 58.00	\$ 9,280.00	\$ 17.25	\$ 2,760.00	\$ 65.00	\$ 10,400.00	\$ 50.00	\$ 8,000.00	\$ 58.55	\$ 9,368.00
5	Abandon Existing Watermain	LSUM	1	\$ 10,000.00	\$ 10,000.00	\$ 8,250.00	\$ 8,250.00	\$ 12,400.00	\$ 12,400.00	\$ 7,650.00	\$ 7,650.00	\$ 12,900.00	\$ 12,900.00	\$ 15,000.00	\$ 15,000.00	\$ 12,175.00	\$ 12,175.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	722	\$ 125.00	\$ 90,250.00	\$ 76.00	\$ 54,872.00	\$ 170.00	\$ 122,740.00	\$ 135.75	\$ 98,011.50	\$ 170.00	\$ 122,740.00	\$ 175.00	\$ 126,350.00	\$ 152.45	\$ 110,068.90
7	Unused	0	0	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -		\$ -		\$ -		\$ -
8	Steel Casing Pipe, 22" (Augered)	FOOT	197	\$ 500.00	\$ 98,500.00	\$ 596.00	\$ 117,412.00	\$ 720.00	\$ 141,840.00	\$ 520.69	\$ 102,575.93	\$ 350.00	\$ 68,950.00	\$ 700.00	\$ 137,900.00	\$ 553.00	\$ 108,941.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,700.00	\$ 9,400.00	\$ 5,611.75	\$ 11,223.50	\$ 3,400.00	\$ 6,800.00	\$ 3,500.00	\$ 7,000.00	\$ 6,180.00	\$ 12,360.00
10	Fire Hydrant Removal and Reset	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 2,900.00	\$ 2,900.00	\$ 1,600.00	\$ 1,600.00	\$ 3,119.25	\$ 3,119.25	\$ 3,900.00	\$ 3,900.00	\$ 5,000.00	\$ 5,000.00	\$ 4,865.00	\$ 4,865.00
11	Line Stop Existing Main, 8"	EA	1	\$ 5,500.00	\$ 5,500.00	\$ 4,900.00	\$ 4,900.00	\$ 6,600.00	\$ 6,600.00	\$ 4,200.00	\$ 4,200.00	\$ 6,500.00	\$ 6,500.00	\$ 8,000.00	\$ 8,000.00	\$ 6,525.00	\$ 6,525.00
12	Line Stop Existing Main, 12"	EA	1	\$ 6,000.00	\$ 6,000.00	\$ 6,200.00	\$ 6,200.00	\$ 8,900.00	\$ 8,900.00	\$ 6,500.02	\$ 6,500.02	\$ 7,700.00	\$ 7,700.00	\$ 12,000.00	\$ 12,000.00	\$ 8,750.00	\$ 8,750.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$ 6,000.00	\$ 12,000.00	\$ 9,200.00	\$ 18,400.00	\$ 6,200.00	\$ 12,400.00	\$ 6,162.50	\$ 12,325.00	\$ 7,400.00	\$ 14,800.00	\$ 5,000.00	\$ 10,000.00	\$ 6,825.00	\$ 13,650.00
14	Silt Fence	FOOT	900	\$ 3.00	\$ 2,700.00	\$ 1.50	\$ 1,350.00	\$ 3.50	\$ 3,150.00	\$ 3.20	\$ 2,880.00	\$ 2.50	\$ 2,250.00	\$ 5.00	\$ 4,500.00	\$ 4.85	\$ 4,365.00
15	Inlet Protection	EA	9	\$ 100.00	\$ 900.00	\$ 325.00	\$ 2,925.00	\$ 120.00	\$ 1,080.00		\$ -	\$ 185.00	\$ 1,665.00	\$ 125.00	\$ 1,125.00	\$ 139.00	\$ 1,251.00
16	Parkway Restoration, Special	SY	600	\$ 20.00	\$ 12,000.00	\$ 8.00	\$ 4,800.00	\$ 17.00	\$ 10,200.00	\$ 18.50	\$ 11,100.00	\$ 20.00	\$ 12,000.00	\$ 20.00	\$ 12,000.00	\$ 38.00	\$ 22,800.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$ 45.00	\$ 2,025.00	\$ 95.00	\$ 4,275.00	\$ 62.00	\$ 2,790.00	\$ 40.25	\$ 1,811.25	\$ 110.00	\$ 4,950.00	\$ 50.00	\$ 2,250.00	\$ 39.30	\$ 1,768.50
18	Pavement Patching, Full Depth	SY	87	\$ 100.00	\$ 8,700.00	\$ 150.00	\$ 13,050.00	\$ 120.00	\$ 10,440.00	\$ 143.75	\$ 12,506.25	\$ 170.00	\$ 14,790.00	\$ 125.00	\$ 10,875.00	\$ 220.00	\$ 19,140.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$ 90.00	\$ 3,060.00	\$ 200.00	\$ 6,800.00	\$ 120.00	\$ 4,080.00	\$ 51.75	\$ 1,759.50	\$ 100.00	\$ 3,400.00	\$ 50.00	\$ 1,700.00	\$ 156.00	\$ 5,304.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	2,230	\$ 12.00	\$ 26,760.00	\$ 20.00	\$ 44,600.00	\$ 11.00	\$ 24,530.00	\$ 7.20	\$ 16,056.00	\$ 12.00	\$ 26,760.00	\$ 10.00	\$ 22,300.00	\$ 9.00	\$ 20,070.00
21	Detectable Warnings	SF	10	\$ 35.00	\$ 350.00	\$ 100.00	\$ 1,000.00	\$ 58.00	\$ 580.00	\$ 40.25	\$ 402.50	\$ 340.00	\$ 3,400.00	\$ 30.00	\$ 300.00	\$ 63.00	\$ 630.00
22	Changeable Message Sign	CAL MONTHS	2	\$ 2,500.00	\$ 5,000.00	\$ 1,125.00	\$ 2,250.00	\$ 2,100.00	\$ 4,200.00	\$ 1,035.00	\$ 2,070.00	\$ 1,000.00	\$ 2,000.00	\$ 1,500.00	\$ 3,000.00	\$ 7,775.00	\$ 15,550.00
SUBTOTAL					\$ 356,345.00		\$ 322,284.00		\$ 396,310.00		\$ 348,855.70		\$ 339,990.00		\$ 424,800.00		\$ 407,431.40
										As Read:	\$349,975.75						
3. ALTERNATE 2																	
Item No.	Description	Unit	Quantity														
23	Ductile Iron Water Main Pipe, CL 52, 8"	FOOT	20	\$ 100.00	\$ 2,000.00	\$ 285.00	\$ 5,700.00	\$ 260.00	\$ 5,200.00	\$ 344.80	\$ 6,896.00	\$ 300.00	\$ 6,000.00	\$ 100.00	\$ 2,000.00	\$ 178.00	\$ 3,560.00
24	8" Valve in Vault, 5' Diameter	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 9,000.00	\$ 18,000.00	\$ 5,900.00	\$ 11,800.00	\$ 4,952.00	\$ 9,904.00	\$ 6,250.00	\$ 12,500.00	\$ 5,000.00	\$ 10,000.00	\$ 5,860.00	\$ 11,720.00
SUBTOTAL					\$ 12,000.00		\$ 23,700.00		\$ 17,000.00		\$ 16,800.00		\$ 18,500.00		\$ 12,000.00		\$ 15,280.00

Total Base Bid Amount	\$	\$ 338,702.00	\$ 236,162.00	\$ 284,565.00	\$ 289,123.80	\$ 289,990.00	\$ 326,315.00	\$ 352,449.90
Total Base Bid + Alternate 2		\$ 350,702.00	\$ 259,862.00	\$ 301,565.00	\$ 305,923.80	\$ 308,490.00	\$ 338,315.00	\$ 367,729.90
Total Alternate 1 Amount		\$ 356,345.00	\$ 322,284.00	\$ 396,310.00	\$ 348,855.70	\$ 339,990.00	\$ 424,800.00	\$ 407,431.40
Total Alternate 1 + Alternate 2		\$ 368,345.00	\$ 345,984.00	\$ 413,310.00	\$ 365,655.70	\$ 358,490.00	\$ 436,800.00	\$ 422,711.40





P.O. Box 928  
Lombard, IL 60148  
(630) 816-8791

## Project References

- **Forcemain Replacements for Lake Park and Sycamore Lift Stations**  
HDD Installation of 1,530 feet of 6" PVC C900 Force Main  
Owner: Village of Roselle: John LaRocca (630) 671-2365 [JLaRocca@roselle.il.us](mailto:JLaRocca@roselle.il.us)  
Contractor: Apollo Trenchless, Inc.  
Engineer: RHMG Engineers, Inc. Ryan Brick (847) 362-5959 [rbrick@rhmg.com](mailto:rbrick@rhmg.com)  
Contract Amount: \$270,500  
Date of Completion: October 2016
- **Citation Lake Pumping Station Force Main Extension**  
HDD Installation of 2,500 feet of 6" PVC Cert-A-Flo Force Main  
Owner: Mission Brook Sanitary District: Bob Blackstone (847) 272-2956 [missionbrook@aol.com](mailto:missionbrook@aol.com)  
Contractor: Apollo Trenchless, Inc.  
Engineer: Baxter & Woodman, Inc. Eric Murauskas (815) 459-1260 [emurauskas@baxterwoodman.com](mailto:emurauskas@baxterwoodman.com)  
Contract Amount: \$357,000  
Date of Completion: November 2015
- **Hodgkins Lenzi Alley Water Main Extension**  
HDD Installation of 630 ft of 8" PVC (C900) Water Main  
Owner: Village of Hodgkins  
Engineer: Frank Novotny & Associates, Inc.  
Contractor: Glenbrook Excavating, Todd Barnett (847) 724-9477 [toddb@glenbrookexcavating.com](mailto:toddb@glenbrookexcavating.com)  
Contract Amount: \$28,360  
Date of Completion: November 2014
- **Ogden Ave Water Main**  
HDD Installation of 900 feet of 8" HDPE Water Main  
Owner: LaGrange Park, IL  
Contractor: Suburban General Contracting, John Chase (630) 479-3952 [subgen1@yahoo.com](mailto:subgen1@yahoo.com)  
Contract Amount: \$75,000  
Date of Completion: August 2014
- **Allen Road Force Main**  
HDD Installation of 2,550 feet of 16" CertaLok PVC Force Main  
Owner: Greater Peoria Sanitary District: James Sloan, PE (309) 272-4850 x4850 [jsloan@gpsd.org](mailto:jsloan@gpsd.org)  
Contractor: Stark Excavating, Inc: Don Colclasure, Jr. (309) 828-5034 [dcolclasurejr@starkcompanies.com](mailto:dcolclasurejr@starkcompanies.com)  
Engineer: Maurer-Stutz  
Contract Amount: \$137,000  
Date of Completion: July 2014
- **Braeside Area Localized Drainage Improvements**  
HDD Installation of 2,700 feet of 8" CertaLok On-Grade Sanitary Sewer  
Owner: Village of Glen Ellyn: Bob Minix, PE (630) 547-5514 [Bobm@glenellyn.org](mailto:Bobm@glenellyn.org)  
Contractor: Apollo Trenchless, Inc.  
Engineer: Pavia-Marting & Co.  
Contract Amount: \$568,000  
Date of Completion: July 2013
- **Atrium Lift Station Force Main Replacement**  
HDD Installation of 1,250 feet of 10" HDPE through landfill  
Owner: City of Elmhurst: Chrit Dufort, (630) 530-3036 [Chris.Dufort@elmhurst.org](mailto:Chris.Dufort@elmhurst.org)  
Contractor: Apollo Trenchless, Inc.  
Engineer: RJN Group, Cathy Morley, PE (630) 682-4700 x354 [cmorley@rjn.com](mailto:cmorley@rjn.com)  
Contract Amount: \$165,000  
Date of Completion: November 2012

## Local Public Agency Formal Contract Proposal

PROPOSAL SUBMITTED BY		
Apollo Trenchless, Inc.		
Contractor's Name		
PO Box 928		
Street	IL	P.O. Box
Lombard		60148
City	State	Zip Code

## STATE OF ILLINOIS

COUNTY OF Kane  
City of St. Charles, Illinois  
 (Name of City, Village, Town or Road District)

## FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. Tyler Road Watermain Improvements  
 SECTION NO. N/A  
 TYPES OF FUNDS Corporate

☒ SPECIFICATIONS (required)☒ PLANS (required)**For Municipal Projects**

Submitted/Approved/Passed

Tim Wilson – Public Works Manager – Env. Services

☐ Mayor ☐ President of Board of Trustees ☒ Municipal Official

Date

**For County and Road District Projects**

Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date

**Note:** All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.



**NOTICE TO BIDDERS**

County Kane  
 Local Public Agency City of St. Charles  
 Section Number N/A  
 Route Tyler Road WM Improvements

Sealed proposals for the improvement described below will be received at the office of the City Clerk  
City of St. Charles, 2 East Main Street, St. Charles, IL 60174 until 10:00 AM on June 15, 2017  
 Address Time Date

Sealed proposals will be opened and read publicly at the office of Council Chambers  
City of St. Charles, 2 East Main Street, St. Charles, IL 60174 at 10:00 AM on June 15, 2017  
 Address Time Date

**DESCRIPTION OF WORK**

Name Tyler Road Watermain Improvements Length: 722 feet ( 0.14 miles)  
 Location Tyler Road from Production Drive to Munhall Avenue  
 Proposed Improvement This project will include the installation of 722 feet of 12" water main, by open cut and trenchless methods. Work will also include asphalt patching, sidewalk replacement, and parkway restoration.

1. Plans and proposal forms will be available in the office of City of St. Charles website at no charge at:  
<http://www.stcharlesil.gov/bids-proposals>. Contact Tim Wilson, Public Works Manager – Environmental Services, 630-377-4405  
 Address
2. ☒ Prequalification  
 If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
  - a. BLR 12200 – Contract Cover
  - b. BLR 12200 – Notice to Bidders
  - c. BLR 12200 – Proposal
  - d. BLR 12200a – Schedule of Prices
  - e. BLR 12200 – Signatures
  - f. BLR 12230 – Proposal Bid Bond
  - g. BC 57 – Affidavit of Availability
  - h. Certificate of Nondiscrimination
  - i. Affidavit of Noncollusion
  - j. Certificate of Compliance with State of Illinois Prevailing Wages
  - k. IDOT Certification of Eligibility
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

**PROPOSAL**

County Kane  
 Local Public Agency City of St. Charles  
 Section Number N/A  
 Route Tyler Road WM Improvements

1. Proposal of Apollo Trenchless, Inc.

for the improvement of the above section by the construction of This project will include the installation of 722 feet of 12" Watermain by trenchless and open cut methods. Work will also include asphalt patching, sidewalk replacement and parkway restoration.

a total distance of 722 feet, of which a distance of 722 feet, ( 0.14 miles) are to be improved.

2. The plans for the proposed work are those prepared by Ruekert & Mielke, Inc. and approved by the Department of Transportation on N/A
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the project Special Provisions and General Specifications contained in this proposal.
5. The undersigned agrees to complete the work within \_\_\_\_\_ working days or by August 31, 2017 unless additional time is granted in accordance with the specifications.
6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

Treasurer of City of St. Charles

The amount of the check is 10% of bid amount ( \_\_\_\_\_ ).

7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number N/A.
8. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for 110% of the amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.
9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.
12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12200a, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.



# **SCHEDULE OF PRICES** **BASE BID**

County KaneLocal Public Agency City of St. CharlesSection N/ARoute Tyler Road WM Improvements

## **Schedule for Multiple Bids**

Combination Letter	Sections Included in Combinations	Total

## **Schedule for Single Bid**

(For complete information covering these items, see plans and specifications)

### **Bidder's Proposal for making Entire Improvements**

Item No.	Items	Unit	Quantity	Unit Price	Total
1	Mobilization	LSUM	1	\$10,000.00	\$10,000.00
2	Traffic Control & Protection, Special	LSUM	1	\$4,500.00	\$4,500.00
3	Construction Staking and Record Drawings	LSUM	1	\$5,100.00	\$5,100.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$25.00	\$4,000.00
5	Abandon Existing Watermain	LSUM	1	\$8,350.00	\$8,350.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	377	\$79.50	\$29,971.50
7	PVC Water Main Pipe, C-900, 12" (HDD Method)	FOOT	345	\$157.00	\$54,165.00
8	Steel Casing Pipe, 22" (Open Cut)	FOOT	120	\$173.00	\$20,760.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$2,000.00	\$4,000.00
10	Fire Hydrant Removal and Reset	EA	1	\$2,900.00	\$2,900.00
11	Line Stop Existing Main, 8"	EA	1	\$4,900.00	\$4,900.00
12	Line Stop Existing Main, 12"	EA	1	\$6,200.00	\$6,200.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$9,200.00	\$18,400.00
14	Silt Fence	FOOT	792	\$1.50	\$1,188.00
Page Total (to be carried forward to Page 2)					\$174,434.50

## Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
15	Inlet Protection	EA	9	\$325.00	\$2,925.00
16	Parkway Restoration, Special	SY	200	\$9.00	\$1,800.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$95.00	\$4,275.00
18	Pavement Patching, Full Depth	SY	87	\$150.00	\$13,050.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$200.00	\$6,800.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	1,693	\$17.50	\$29,627.50
21	Detectable Warnings	SF	10	\$100.00	\$1,000.00
22	Changeable Message Sign	CAL MONTHS	2	\$1,125.00	\$2,250.00
Carried forward from Page 1					\$174,434.50
Total from Page 2					\$61,727.50
Bidders Proposal for BASE BID					\$236,162.00



**SCHEDULE OF PRICES  
ALTERNATE 1  
THIS ALTERNATE, IF CHOSEN, SHALL  
REPLACE THE BASE BID**

County Kane  
Local Public Agency City of St. Charles  
Section N/A  
Route Tyler Road WM Improvements

**Schedule for Multiple Bids**

Combination Letter	Sections Included in Combinations	Total

**Schedule for Single Bid**

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	Mobilization	LSUM	1	\$10,700.00	\$10,700.00
2	Traffic Control & Protection, Special	LSUM	1	\$4,500.00	\$4,500.00
3	Construction Staking and Record Drawings	LSUM	1	\$5,100.00	\$5,100.00
4	Chain link Fence Removal and Replacement	FOOT	160	\$25.00	\$4,000.00
5	Abandon Existing Watermain	LSUM	1	\$8,250.00	\$8,250.00
6	Ductile Iron Water Main Pipe, CL 52, 12"	FOOT	722	\$76.00	\$54,872.00
7	Unused	Unused	Unused	Unused	Unused
8	Steel Casing Pipe, 22" (Augered)	FOOT	197	\$596.00	\$117,412.00
9	Connect to Existing Watermain (non-pressure)	EA	2	\$2,000.00	\$4,000.00
10	Fire Hydrant Removal and Reset	EA	1	\$2,900.00	\$2,900.00
11	Line Stop Existing Main, 8"	EA	1	\$4,900.00	\$4,900.00
12	Line Stop Existing Main, 12"	EA	1	\$6,200.00	\$6,200.00
13	12" Valve in Vault, 5' Diameter	EA	2	\$9,200.00	\$18,400.00
14	Silt Fence	FOOT	900	\$1.50	\$1,350.00
15	Inlet Protection	EA	9	\$325.00	\$2,925.00
Page Total (to be carried forward to Page 2)					\$245,509.00

## Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
16	Parkway Restoration, Special	SY	600	\$8.00	\$4,800.00
17	Concrete Curb and Gutter Removal and Replacement	FOOT	45	\$95.00	\$4,275.00
18	Pavement Patching, Full Depth	SY	87	\$150.00	\$13,050.00
19	Asphalt Driveway Removal & Replacement	SY	34	\$200.00	\$6,800.00
20	Sidewalk Removal and Replacement, PCC, 5"	SF	2,230	\$20.00	\$44,600.00
21	Detectable Warnings	SF	10	\$100.00	\$1,000.00
22	Changeable Message Sign	CAL MONTHS	2	\$1,125.00	\$2,250.00
Carried forward from Page 1					\$245,509.00
Total from Page 2					\$76,775.00
<b>Bidders Proposal for ALTERNATE 1</b>					<b>\$322,284.00</b>



**SCHEDULE OF PRICES**  
**ALTERNATE 2**  
**THIS ALTERNATE, IF CHOSEN, SHALL BE**  
**ADDED TO EITHER THE BASE BID OR**  
**ALTERNATE 1**

County Kane  
 Local Public Agency City of St. Charles  
 Section N/A  
 Route Tyler Road WM Improvements

**Schedule for Multiple Bids**

Combination Letter	Sections Included in Combinations	Total

**Schedule for Single Bid**

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
23	Ductile Iron Water Main Pipe, CL 52, 8"	FOOT	20	\$285.00	\$5,700.00
24	8" Valve in Vault, 5' Diameter	EA	2	\$9,000.00	\$18,000.00
<b>Bidders Proposal for ALTERNATE 2</b>					<b>\$23,700.00</b>

**CONTRACTOR CERTIFICATIONS**

County	Kane
Local Public Agency	City of St. Charles
Section Number	N/A
Route	Tyler Road WM Improvements

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.



**SIGNATURES**

County Kane  
 Local Public Agency City of St. Charles  
 Section Number N/A  
 Route Tyler Road WM Improvements

(If an individual)

Signature of Bidder \_\_\_\_\_

Business Address \_\_\_\_\_

(If a partnership)

Firm Name \_\_\_\_\_

Signed By \_\_\_\_\_



Business Address \_\_\_\_\_

Inset Names and Addressed of All Partners



(If a corporation)

Corporate Name Apollo Trenchless, Inc.

Signed By    
 President

Business Address PO Box 928  
Lombard, IL 60148

Insert Names of Officers

President Aaron Cohen  
 Secretary Aaron Cohen  
 Treasurer Aaron Cohen

Attest:

  
 Secretary

Route	Tyler Road WM Improvements
County	Kane
Local Agency	City of St. Charles
Section	N/A

## RETURN WITH BID

**PAPER BID BOND**

**WE Apollo Trenchless, Inc.** P O Box 928, Lombard, IL 60148 as **PRINCIPAL**

and Washington International Insurance Company 475 North Martingale Road, Suite 850, Schaumburg, IL 60173 as SURETY.

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect. -

**IN THE EVENT** the LA determines the **PRINCIPAL** has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 15th day of June, 2017

Principal

**Apollo Trenchless, Inc.**

(Company Name)

(Company Name)

By:

Chuck Cohen

**By:**

**(Signature and Title)**

(If PRINCIPLE is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Washington International Insurance Company

**(Name of Surety)**

## Surety

By:

**William P. Maher**

(Signature of Attorney-in-Fact)

STATE OF Illinois

COUNTY OF Cook

Vicki L. Broadbuss

do hereby certify that Chuck Cohen and William P. Maher

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 15th day of June.

My commission expires June 18, 2017

Vicki L. Broadbush

(Notary Public)

**ELECTRONIC BID**

☐ Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed, and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

[illegible]

Electronic Bid Bond ID Code

(Company/Bidder Name)

**(Signature and Title)**

Date \_\_\_\_\_



## Affidavit of Availability For the Letting of Tyler Road Watermain Improvements

**Instructions:** Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

### Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE**.

	1	2	3	4	Awards Pending	
County and Section Number						
Contract With						
Estimated Completion Date						
Total Contract Price						Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						\$0.00

### Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show **NONE**.

						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						
Bituminous Plant Mix						
Bituminous Aggregate Mixture						
Miscellaneous Bituminous Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						
Highway, R.R. and Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						
Miscellaneous Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Fabrication						
Building Construction						
Other Construction (List)						
Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

**Part III. Work Subcontracted to Others.**

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

I, being duly sworn, do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this 14TH day of JUNE 2017Type or Print Name Aaron Cohen President

Officer or Director

Title

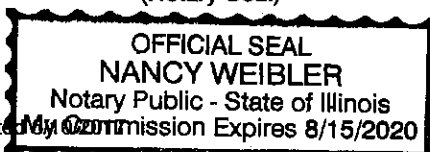
Signed



Notary Public

My commission expires 8/15/2020Company Apollo Trenchless, Inc.Address PO Box 928  
Lombard, IL 60148

(Notary Seal)

Printed by 02011

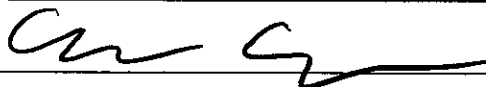


## CERTIFICATE OF NONDISCRIMINATION

This is to certify that this firm does not and will not discriminate in any of its employment practices against persons because of their race, color, religion, sex or place of national origin, or ancestry.

The undersigned will take all necessary affirmative action as may be required by all applicable Federal, State and Local laws, ordinances, rules, regulations and orders to ensure that applicants are employed and that employees are treated, during employment, without regard to their race, color, religion, sex or national origin or ancestry.

Firm: Apollo Trenchless, Inc.

By: 

Title: President

Date: 6/14/2017

STATE OF ILLINOIS )  
 )  
COUNTY OF KANE & DUPAGE )

# AFFIDAVIT OF NONCOLLUSION

The undersigned, who has herewith submitted a bid to provide,

**Labor and material for Water Main construction work**

(describe nature of service or product)  
in accordance with plans and specifications furnished by the City of St Charles for  
Tyler Road Watermain Improvements project

(describe project)

does hereby affirm that said undersigned person and/or firm into any agreement, understanding, or arrangement with any other bidder or prospective bidder or with any other person, firm, or corporation relating to the price named in said proposal, nor has said undersigned person and/or firm entered into any agreement, understanding, or arrangement under which any person, firm, or corporation is to refrain from bidding, nor any agreement, understanding, or arrangement for any act or omission in restraint of free competition among bidders.

The undersigned further affirms that said undersigned person and/or firm is not disqualified by law from contracting with the City of St Charles; and that said undersigned person and/or firm has not disclosed to any person, firm, or corporation the terms of this proposal or the price named herein.

**Apollo Trenchless, Inc.**

Company

PO Box 928

**Lombard, IL 60148**

## Bid for

6/14/2017

Date \_\_\_\_\_

### Address

Duly authorized agent or officer

Subscribed and sworn to me

this 14TH day of JUNE, A.D. 20 17

Hanery A. Wampler  
Notary Public

**Notary Public**





**CERTIFICATE OF COMPLIANCE  
WITH STATE OF ILLINOIS  
PREVAILING WAGE RATES**

This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 *et seq.* ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed.

The Department publishes the prevailing wage rates on its website at <http://www.state.il.us/agency/idol/rates/rates.htm>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's website for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, *including but not limited to*, all wage requirements and notice and record keeping duties.

The undersigned will take all necessary action and be responsible for full compliance with the State of Illinois laws and Illinois Department of Transportation Special Provision with regard to this issue. The Special Provision is included in these documents for your information. If the Company believes the Act does not apply to them, then in lieu of certified payroll, the Company will provide a certified statement, in letter form, setting forth the basis upon which they have concluded the Act does not apply.

Apollo Trenchless, Inc.

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Company

PO Box 928  
Lombard, IL 60148

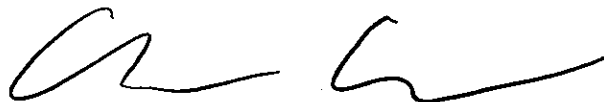
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Address

6/14/2017

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Date




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Duly Authorized Agent of Officer

INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2017

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA    Standard Specifications for Road and Bridge Construction  
(Adopted 4-1-16) (Revised 1-1-17)

SUPPLEMENTAL SPECIFICATIONS

<u>Std. Spec. Sec.</u>	<u>Page No.</u>
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403    Bituminous Surface Treatment (Class A-1, A-2, A-3) .....	2
420    Portland Cement Concrete Pavement .....	3
502    Excavation for Structures .....	5
503    Concrete Structures .....	7
504    Precast Concrete Structures .....	10
542    Pipe Culverts .....	11
586    Sand Backfill for Vaulted Abutments .....	12
670    Engineer's Field Office and Laboratory .....	14
704    Temporary Concrete Barrier .....	15
888    Pedestrian Push-Button .....	17
1003    Fine Aggregates .....	18
1004    Coarse Aggregates .....	19
1006    Metals .....	21
1020    Portland Cement Concrete .....	22
1103    Portland Cement Concrete Equipment .....	24



## Check Sheet for Recurring Special Provisions

Adopted January 1, 2017

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

### Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	26
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	29
3	<input type="checkbox"/> EEO	30
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	40
5	<input type="checkbox"/> Required Provisions - State Contracts	45
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	51
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal	52
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	53
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	54
10	<input checked="" type="checkbox"/> Construction Layout Stakes	57
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	60
12	<input type="checkbox"/> Subsealing of Concrete Pavements	62
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	66
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	68
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	69
16	<input type="checkbox"/> Polymer Concrete	70
17	<input type="checkbox"/> PVC Pipeliner	72
18	<input type="checkbox"/> Bicycle Racks	73
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	75
20	<input type="checkbox"/> Work Zone Public Information Signs	77
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	78
22	<input type="checkbox"/> English Substitution of Metric Bolts	79
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	80
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	81
25	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	89
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	105
27	<input type="checkbox"/> Reserved	107
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment	108
29	<input type="checkbox"/> Preventive Maintenance - Cape Seal	114
30	<input type="checkbox"/> Preventive Maintenance - Micro-Surfacing	129
31	<input type="checkbox"/> Preventive Maintenance - Slurry Seal	140
32	<input type="checkbox"/> Temporary Raised Pavement Markers	149
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	150
34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	153

## Check Sheet for Local Roads and Streets Recurring Special Provisions

Adopted January 1, 2017

The following LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

### Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	<b>Reserved</b>	158
LRS 2	<input type="checkbox"/> Furnished Excavation	159
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	160
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	161
LRS 5	<input checked="" type="checkbox"/> Contract Claims	162
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	163
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	169
LRS 8	<b>Reserved</b>	175
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	176
LRS 10	<b>Reserved</b>	177
LRS 11	<input checked="" type="checkbox"/> Employment Practices	150
LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	152
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	154
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	155
LRS 15	<input checked="" type="checkbox"/> Partial Payments	158
LRS 16	<input type="checkbox"/> Protests on Local Lettings	159
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	160
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	161



## **SPECIAL PROVISIONS FOR CITY OF ST CHARLES TYLER ROAD WATERMAIN IMPORVEMENTS**

The following Special Provisions supplement the Illinois Department of Transportation's (IDOT) "Standard Specifications for Road and Bridge Construction," adopted April 1, 2016, (hereinafter referred to as the "Standard Specifications"); the "Standard Specifications for Water and Sewer Construction in Illinois"; the "City of St. Charles Engineering Design and Inspection Policy Manual"; the "Manual on Uniform Traffic Control Devices for Streets and Highways" in effect on the date of invitation for bids, and the "Supplemental Specifications and Recurring Special Provisions," latest edition as indicated on the Check Sheet included herein which apply to and govern the Tyler Road Watermain Improvements, City of St. Charles, Kane County. In case of conflict with any part or parts of the Standard Specifications, these Special Provisions shall take precedence and shall govern.

### **SP-1 LOCATION OF PROJECT**

Improvements are located within the City of St. Charles in Kane County, Illinois on Tyler Road from Production Drive to Munhall Avenue. The total distance of the project is 722 Lineal Feet (0.14 Miles).

### **SP-2 DESCRIPTION OF PROJECT**

This project will include the installation of 722 feet of 12" water main by both open cut and trenchless methods. Additional work will also include asphalt patching, sidewalk replacement, parkway restoration and all other incidental and collateral work necessary to complete the project as described herein.

### **SP-3 REDUCTION IN THE SCOPE OF WORK**

The quantities as shown on the plans or summarized herein represent a listing of the work to be completed under the contract. However, if necessary due to budgetary constraints, the awarding authority reserves the right to reduce the scope of work to be completed under the contract in accordance with Article 104.02 of the Standard Specifications. No allowance will be made for delays or loss of anticipated profits as the result of a decrease in the quantities of work to be performed.

### **SP-4 MAINTENANCE OF ROADWAYS**

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

### **SP-5 CONSTRUCTION SCHEDULE**

At the preconstruction conference, the Contractor shall meet with the City and the Engineer and present, in writing, a detailed construction schedule. Said schedule shall contain such information as the Engineer deems necessary, including construction sequencing and dates for starting and completing construction operations, location of off-site disposal areas, access routes to be used and location of equipment and material storage sites. Once approved, the Contractor must adhere to the schedule so

that field markings of all items of work may proceed in advance of actual construction.

The Contractor shall confirm with the Engineer the scheduled commencement of each construction activity **at least four days in advance** to allow for proper notification of residents and motorists. The principle activities requiring public notification are commencement of utility repairs, curb and driveway removal and replacement, surface milling, roadway reconstruction, application of prime coat and HMA paving.

#### **SP-6 MATERIAL STORAGE**

The Contractor shall not deliver and/or store any material on the project site more than one week in advance before commencing with his work. Only non-paved portion of the street may be used for any material storage. Any required pavement repair and parkway restoration (sod), due to the damage because of materials storage, shall be borne by the Contractor and shall be included in the lump sum cost of MOBILIZATION. Mobilization will be paid for once, regardless of the number of times the contractor is required to mobilize. No storage of materials or equipment is allowed within the floodplain.

#### **SP-7 NOTIFICATION OF WORK**

The Contractor shall notify the City of St Charles, City Engineer 48 hours prior to commencement of all items of work.

#### **SP-8 CONSTRUCTION OPERATIONS**

In order to minimize the effect of construction noise during the improvement, the Contractor and his subcontractors shall comply with the following requirements. Any changes to the schedule will not be accepted unless approved by the Engineer.

- All engines and engine driven equipment used for hauling or construction shall be equipped with an adequate muffler in constant operation and properly maintained to prevent excessive unusual noises. Any machine or device or part thereof which is regulated by or becomes regulated by Federal or State of Illinois noise standards shall conform to those standards.

Construction operations including the startup of heavy equipment shall not begin before 7:00 AM Monday through Saturday. Construction operations including site cleanup, shall be completed before 7:00 PM Monday through Friday and 5:00 PM on Saturday. No work of any kind, shall be done on Sundays or holidays observed in Illinois. These time restrictions shall not apply to maintenance or operation of safety and traffic control devices such as barricades, signs and/or lighting, or construction of an emergency nature. If the Contractor requires additional time to complete a portion of the work on any given day or if he foresees the need to work extended hours for a number of days to comply with the construction schedule, he must receive approval of the Engineer.

- The Contractor shall schedule and conduct his operations so that the closure time of an existing driveway along the route of improvements is kept to a minimum. All homeowners and businesses shall be given a minimum 24-hour notice prior to initial removal of their driveway apron. The Contractor shall make every effort to keep driveways open. Refer to suggested maintenance of traffic general notes and plans for details.
- Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvements. This normal maintenance shall include all repair work deemed necessary by the Engineer. The Contractor as required by the Engineer will provide traffic control and protection for this work. The work involved in maintaining the existing pavement will not be paid for separately but at the Contract Unit Prices for the various items of work involved, unless otherwise specified elsewhere in these Special Provisions.



**SP-9 SEQUENCE OF OPERATIONS**

The Contractor shall coordinate his work in a manner that will cause as little inconvenience to traffic as possible. The Contractor shall work closely with City Officials, Fire and Police Departments in coordinating interruption to normal traffic and parking facilities, access to homes and businesses, and inconveniences to the public.

**SP-10 APPROVAL OF SUBCONTRACTORS**

The Contractor shall provide a list of the intended source of materials and the intended Subcontractor(s) to be used for the project. The City of St Charles shall approve all subcontractors to be used on the project and reserves the right to reject the use of any subcontractor due to past performance or the apparent inability to perform the item(s) of the work required.

**SP-11 PROGRESS SCHEDULE AND WEEKLY REPORTING**

In addition to the progress schedule submitted and approved prior to construction (Article 108.02), the Contractor will be required to submit a weekly plan of what daily work operations he/she intends to perform for each upcoming week. This report will be a continuation of the Engineer's "Weekly Report of Resident" BC 239 which will be submitted to the Contractor promptly following each week of work. The Contractor's plan should show his operations including those of all subcontractors for the seven (7) upcoming days of the week. It shall be provided to the resident engineer either in writing or email.

**SP-12 DAILY PROJECT SCHEDULING**

The Contractor shall telephone the Engineer every morning to inform the Engineer of daily and weekly progress and schedules.

**SP-13 PUNCH LIST ITEMS**

Throughout the duration of the project the Engineer shall submit periodic punch list items to the Contractor. **The City Public Works Division will also do utility inspections of work performed on public utilities. These inspections performed by the Public Works Division must be performed prior to installation of pavement surface course and sidewalk.** These items must be complete within five (5) calendar days after the Engineer notifies the Contractor of these items. Liquidated damages will be assessed if these items are not complete to the satisfaction of the Engineer within the five (5) calendar days. Punch list items and dates will be strictly enforced and documented with the Contractor via the "Weekly Report of Resident"-BC 239.

**SP-14 CONTRACTOR PAYOUTS – REQUIRED SUBMITTALS**

Contractor payout requests can be submitted at any time, and do not have to go through a scheduled City Council Meeting to authorize payment; as long as the Contract amount is not exceeded. Change Orders, which would cause the Contract to go above Original Contract Amount, will go through scheduled Committee and Council Meetings for approval.

Submittals required for **any** Contractor payouts, which must be received prior to release of payout, are listed below:

1. Lien Waivers from General Contractor and any Subcontractors or Vendor receiving payments from subject payout.
2. Copies of Certified Payroll for period when work was completed.
3. Sworn Statement from General Contractor.

**SP-15 CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD)**

The Contractor is to be aware of and comply with current State of Illinois CCDD requirements. To

facilitate meeting these requirements, the City of St. Charles will supply a signed LPC-663 form to the Contractor for this project. Neither the LPC-663, nor any provided supporting documentation shall be considered a guarantee that excavated material will meet the State of Illinois CCDD requirements, or any more restrictive requirements of specific CCDD facilities, and the Contractor will be required to properly and legally dispose of all material from the project site, regardless of its suitability for disposal in a CCDD facility, at his expense.

All disposal sites shall be licensed by the State of Illinois. Proof of licensure shall be provided to the City prior to the Contractor mobilizing on site. The contractor shall verify that the CCDD site being utilized will accept the material based on the LPC-663 form. If the CCDD site selected by the Contractor will not accept the material based on the LPC-663 form provided by the City, the Contractor will be responsible for any requirements necessary for the proper and legal disposal of the property, either at another CCDD facility or at a landfill, at no additional cost to the City.

In the event a CCDD facility rejects one or more loads of material, the Contractor shall be responsible for the disposal of the material in a landfill, and shall provide the City with documentation of legal and proper disposal. The contractor shall be responsible to perform any required additional testing, hauling, double-handling, etc., at no additional cost to the City.

#### **SP-16 DUST CONTROL – HAULING EARTH, GRANULAR MATERIALS OR WASTE MATERIAL**

In addition to the general requirements of Section 107 of the Standard Specifications, the Contractor shall be required to prepare a plan for pavement cleaning and dust control for this project. A detailed plan outlining specific wetting, tarping, and/or cleaning procedures, or similar dust control methods is to be submitted for approval at the preconstruction meeting.

As required by Chapter 95 1/2, paragraphs 15-109 and 15-109.1 of the Illinois Vehicle Code, no blowing or spillage of material will be allowed during the hauling operations. The specific preventative measures proposed by the Contractor are to be included in the dust control plan.

If, in the opinion of the Engineer, excessive dust is produced during the hauling operations, the hauling shall stop until corrective action is taken. Dust control shall be considered included in the cost of the MOBILIZATION.

#### **SP-17 COMPLETION DATE(S) OF PROJECT**

Construction is scheduled to begin upon the proper execution of the contract documents which includes the submission of insurance and bonds, or within two weeks of notice to proceed.

- Work shall not start any earlier than, **July 31, 2017**.
- The substantial completion of all work, contract terms and safely open the roadway to all traffic by 11:59 PM on **August 31, 2017**.
- Final completion for all other ancillary work, including minimal landscaping restoration, shall be completed and ready for final acceptance and payment on or before **September 10, 2017**. Failure to comply with the deadlines for the substantial completion and final completion shall result in the enforcement of liquidated damages in accordance with Section 108.05 and 108.09 of the Standard Specifications, along with all fees required for extended need for resident engineering services.



**SP-18 UTILITY LOCATIONS**

The Contractor must exercise extreme caution while working around existing utilities. The Contractor shall notify JULIE (1-800-892-0123), a minimum of 48 hours commencing construction for utility locations within the scope of the project. It is recommended that the Contractor conduct a joint utility meet. It is the responsibility of the Contractor to contact agencies who may or may not be part of the JULIE system to obtain the horizontal and vertical field locations of their facilities within the limits of the proposed improvements.

The City of St Charles does not guarantee the accuracy or completeness of this information. The Contractor shall make his own investigation to determine the existence, nature, and location of all utilities lines and appurtenances within the limits of the improvement. The Contractor shall locate all utilities far enough in advance to avoid all conflicts in grade separation, between the proposed improvements. If the Contractor encounters a conflict between the proposed improvements and existing utilities that was not located in advance by the Contractor, then the Contractor shall, at no cost to the City of St Charles, relocate the proposed improvements and/or the utility to avoid conflict.

The Contractor will be required to cooperate with all utility companies involved in connection with the removal, temporary relocation, reconstruction, or abandonment by these companies of any and all services or facilities owned or operated by them within the limits of this improvement.

Before doing any work which will damage, disturb or leave unsupported or unprotected any utility lines or appurtenances encountered, the Contractor shall notify the prospective Owner thereof, who will make arrangements for relocating, adjusting or otherwise maintaining or abandoning service on lines that fall within the limits of the proposed construction without cost to the Contractor, including the removal of all cables, manhole covers and other appurtenances which the Owner desires to salvage. After such arrangements have been made, the Contractor will proceed with the work as directed by the Engineer. All utility lines and appurtenances, which are abandoned by the Owner, shall be removed and disposed of by the Contractor.

The Contractor shall be responsible for facilitating prompt and timely removal, relocation, reconstruction, or abandonment of their facilities by all utility companies involved, and the coordination of his work with these companies to the end that work on this improvement is not delayed because of necessary changes in the existing utilities, public or private.

No extra compensation will be allowed to the Contractor for any expenses incurred by complying with these requirements or because delay, inconvenience or interruption in his work resulting from the failure of any utility company to remove, relocate, reconstruct, or abandon their services.

**SP-19 MATERIAL CERTIFICATION**

The manufacturer and/or supplier of all materials used on the job site shall certify in writing to the Engineer that inspections and tests have been made and the results thereof comply with the requirements of the Standard Specifications and/or the Special Provisions.

**SP-20 MOBILIZATION**

This work shall be in accordance with Section 671 of the Standard Specifications, and shall include any/all items listed in these special provisions or as shown on the plans that are; considered incidental to the work; or are specifically included in the cost for MOBILIZATION per the special provisions; or which do not have a separate pay item, but which are necessary for the completion of the work.

This work shall be paid for at the lump sum price for MOBILIZATION in accordance with article

671.02.

**SP-21 RESIDENT AND BUSINESS NOTIFICATION**

The Contractor shall be responsible for delivery of notification letters (supplied by the City) to all residents and businesses affected by each phase of construction (utility work; driveway removal; street patching, parkway restoration, etc.) at least 24 hours, but not more than 72 hours, prior to commencement of work.

This work shall be included in the cost of MOBILIZATION.

**SP-22 CLEANING**

The Contractor and his subcontractors by the end of the working day shall remove from the premises rubbish, waste material and accumulations and shall keep the premises clean. **The contractor shall keep the premises clean during construction to the satisfaction of the Engineer. This work shall be included in the cost of MOBILIZATION.**

**SP-23 ADVANCED PUBLIC NOTIFICATION**

Description: This work shall consist of furnishing, installing, maintaining, and relocating changeable message signs for various stages of construction.

The contractor shall provide notice to the public a minimum of 5 days in advance of any work that requires the closure of lanes through the use of changeable message.

Basis of Payment: This work will be paid as CHANGEABLE MESSAGE SIGN in calendar months.

**SP-24 PROTECTION OF TREES AND SHRUBS**

All trees shall be protected and cared for during the construction in accordance with the applicable Articles of Section 201 of the Standard Specifications and this Special Provision, with the following revisions. The Contractor shall prune all tree roots along the side of the proposed improvement, prior to digging, in the presence of the qualified Arborist (hired by the Contractor) and Engineer. All costs for root pruning and costs for the Arborists shall be paid for by the Contractor and shall be included in the cost of MOBILIZATION. No additional compensation will be allowed for root pruning or Arborist's fees.

Every effort should be made by the Contractor when working near trees and shrubs to preserve same from harm. No trees or shrubs shall be removed unless authorized in the field by the Engineer. The Contractor shall provide the Engineer notification ten (10) working days prior to the removal of any tree or shrub. The Contractor shall be responsible for damage to or loss of any tree or shrub not specifically designated to be removed.

Damage to trees limbs shall be held to a minimum. Shrubs and trees limbs shall be tied back wherever necessary to prevent their loss or damage. Wherever damage by construction equipment to limbs and branches are unavoidable, they should be pruned before starting work in accordance with Articles 201.06 of the Standard Specifications.

Small trees (less than 4 inches in diameter) and shrubs not indicated for removal which are removed or severely damaged during construction shall be replaced in kind and size by the Contractor at no additional cost to the City, Engineer, or Resident. All planting shall be done in accordance with Section 1081 of the Standard Specifications.

Damages at the rate of two hundred dollars (\$200.00) per inch of trunk diameter shall be charges against

the Contractor for unauthorized removal or destruction of any tree four (4) inches in diameter or larger. The protection and care of trees and shrubs as herein specified will be included in the cost of MOBILIZATION.

#### **SP-25 PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION**

Unless otherwise noted in the Contract Documents, the existing drainage facilities shall remain in use during the period of construction. Prior to commencing work, the Contractor, at his own expense shall determine the exact locations of existing structures that are within the proposed construction limits.

Unless reconstruction or adjustment of an existing manhole, catch basin, inlet or adjustment to the frame and grate is called for in the Contract Documents or ordered by the Engineer, the proposed work shall meet the existing elevation of these structures.

The Contractor shall take the necessary precautions when working near or above existing sewers to protect these sewers from any damage resulting from his operations. All work and material necessary to repair any existing sewers damaged due to non-compliance with this provision shall be provided, as directed by the Engineer, in accordance with Section 550 of the Standard Specifications, at the Contractor's expense with no extra compensation being allowed.

It shall be the Contractor's responsibility to direct the work and protect the facilities from damage during all construction activities.

#### **SP-26 LOCATING STORM SEWER, SANITARY SEWER, WATERMAIN OR OTHER COMPONENTS OF CITY UTILITIES**

To prevent damage and facilitate work by others, the City will promptly respond to calls requesting the location of City owned storm sewer, sanitary sewer, watermain, or other components of City utilities. Public Works forces will locate City owned underground utilities or any other components, one time for each individual system, per project or contract, as requested by the general contractor of the construction project, before or after transfer of maintenance responsibilities. Each request may involve multiple locations where separated utility systems are involved. The contractor will be required to reimburse the City of St Charles for time and material costs associated with additional locate requests.

#### **SP-27 USE OF FIRE HYDRANTS**

The Contractor shall contact the City of St. Charles Water Division to obtain a water meter and for permission to use water from existing fire hydrants. The Water Division reserves the right to restrict which fire hydrant(s) may be used. The Contractor shall use special care in opening and closing of fire hydrants following Water Division guidelines. Repairs caused by failure to comply with proper operating guidelines will be the sole responsibility of the Contractor.

#### **SP-28 SAWING PAVEMENT, DRIVEWAY PAVEMENT, SIDEWALK, AND CURB**

This work shall be performed at locations stated in the Contract Documents or as directed by the Engineer.

The Contractor shall cut the joint between the portion of pavement, driveway, sidewalk and/or curb to be removed and that to be left in place with a sawing machine to prevent spalling. This work shall be done in a manner that a straight and perpendicular joint will be secure. All saw cutting should be the full depth of the pavement, driveway, and sidewalk or curb to be removed.

It is the Contractor's responsibility to determine the thickness of the existing pavement and whether or



not it contains reinforcement. This work shall be included in the cost of the item being removed. No additional compensation will be allowed for sawing reinforcement.

#### **SP-29 CONCRETE BREAKERS**

When removing pavement, curb and gutter, shoulder, and/or other structures, the use of any type of concrete breakers, which might damage underground public or private utilities, will not be permitted. Under no circumstances will the use of a frost ball be permitted. The Contractor is prohibited from breaking up concrete by dropping it on the pavement or in any other manner, which in the opinion of the Engineer may damage existing or proposed pavements or other roadway appurtenances.

#### **SP-30 LIMITS OF REMOVAL**

All pay items for removal and replacement must be field measured and marked by the Engineer prior to construction. No payment will be made for any items of work, which have been removed and/or replaced without having been field measured and marked by the Engineer. No additional payment will be made for removal and/or replacement beyond field markings unless specifically authorized by the Engineer.

#### **SP-31 BACKFILLING OF STRUCTURES**

This work shall be in accordance with the applicable portions of Article 550.07 of the Standard Specifications, herein specified and according to the plan details. Structures under pavement or within 2' of pavement, sidewalk, driveways, etc. shall be backfilled with course aggregate CA-7 (crushed limestone). This work shall not be paid for separately but shall be included in the contract unit price for the work performed on the associated structures.

#### **SP-32 PRE-CONSTRUCTION VIDEO TAPING**

The Contractor shall prepare pre-construction video documentation of all features in the areas affected by construction, including areas adjacent to the right-of-way and construction easements. All video cameras, recorders, tapes, accessories and appurtenances shall be high quality CD or DVD format equipment. Pre-construction video documentation shall consist of a series of high-resolution color audio-video tapes showing all areas affected by construction. All pertinent exterior and interior features within the construction's zone of influence shall be shown in sufficient detail to document its pre-construction condition. Features to be shown shall include but not be limited to pavements, curbs, driveways, sidewalks, retaining walls, buildings, landscaping, trees, shrubbery, fences, light posts, signs, interior features and equipment, etc. Viewer orientation shall be maintained by audio commentary on the audio track of each, videotape to help explain what is being viewed.

The pre-construction videotaping shall be completed after the initial walkthrough and two copies of the tape(s) submitted to the City of St Charles before commencing with any construction activities, including material delivery. This work shall be included in the cost of MOBILIZATION

#### **SP-33 TRAFFIC CONTROL AND PROTECTION, SPECIAL**

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans and/or referenced herein, and the Special Provisions.

This work shall include all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain and remove all traffic control devices required as indicated in the plans and contract documents, and as approved by the Engineer.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the City of St. Charles at least 72 hours in advance of beginning work, and again each time the traffic control will be modified on the project to give the City ample time to notify the motoring public.

Contractor shall supply the City with two (2) 24-hour emergency contact numbers in the event that traffic control needs to be repaired or modified after normal working hours. Said emergency contacts shall be available to arrive at the jobsite within two (2) hours of being called and shall have the authority to modify and/or repair traffic control devices as necessary to secure the jobsite and for the safety of the public.

**STANDARDS:**

701101-05, 701606-10, 701701-10, 701801-06, 701901-06

**DETAILS:**

Traffic Control and Protection for Side Roads, Intersections, and Driveways (TC-10) District  
One Typical Pavement Markings (TC-13)

At no time during the work performed under this contract shall more than one lane of traffic be closed at a time. Traffic shall not be detoured unless approved in writing by the City, in which case the Contractor shall provide the City with a proposed detour plan, and furnish, erect, maintain and remove all applicable traffic control devices along the detour route. Any permits and approvals that may be required from other agencies, such as IDOT or the Kane County DOT, shall be solely the responsibility of the contractor, including any permit fees, plan preparation, etc. It is not anticipated that any full-closures or detour routes will be required for this project. If the City does approve a full closure, the contractor will be required to perform said closure during periods of low traffic volume, and will be required to open the road back to traffic during periods of higher traffic volumes. Any detours or modified working hours shall be at the sole expense of the Contractor and no additional compensation will be allowed.

Method of Measurement: All traffic control required by Section 701 of the Standard Specifications and the specific traffic control plan details, notes, and special provisions will be measured for payment on a lump sum basis.

Basis of Payment: All traffic control and protection will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL). Temporary information signing will not be paid for separately but included in the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

**SP-34 CONSTRUCTION STAKING AND RECORD DRAWINGS**

The Contractor shall furnish and place all construction layout stakes for this project. Competent personnel with suitable equipment shall conduct this work, supervised by a licensed Illinois Land Surveyor. The Contractor shall be responsible for having the finished work conform substantially to the lines, grades, elevations and dimensions shown on the plans.

The Contractor shall provide adequate control points to construct the individual Project elements, and shall provide the Engineer with adequate control in close proximity to check the compliance of the elements constructed.

The Contractor shall record all field notes in standard survey field notebooks and those books shall become the property of the Owner at the completion of the Project. All notes shall be neat, orderly and in an accepted format.

Prior to final payment and within 28 calendar days of substantial completion, the Contractor shall provide the Owner with record drawings showing the locations and elevations of all constructed storm sewer manholes, catch basins, inlets, valve vaults, access boxes, water and sewer service lines, and any other structures or pipes defined by the Engineer as part of the project. Full-sized (22"x34") paper copies of electronically-generated record drawings are required. Digital copies of as-built drawings must also be provided. All work related to generating the as-built drawings shall be supervised by a licensed Illinois Land Surveyor.

Basis of Payment: This work will be paid for at the contract lump sum price for CONSTRUCTION STAKING AND RECORD DRAWINGS, which price shall be payment in full for the work as specified herein.

#### **SP-35 CHAIN LINK FENCE REMOVAL AND REPLACEMENT**

This work shall consist of removing chain link fence at various locations as shown on the plans and as directed by the Engineer. The Contractor shall remove all underground post materials and foundations at no additional cost. Fences and posts shall be salvaged or replaced in kind if damaged in the removal process until reinstallation occurs. Fasteners, wire supports, concrete post bases, etc. as may be necessary to furnish a complete re-installation shall be supplied by the Contractor. Installation shall conform to the minimum standards of the Chain Link Fence Manufacturer's Institute or as otherwise approved by the Engineer.

Method of Measurement: This work shall be measured for payment per lineal foot of fence removed.

Basis of Payment: This work shall be paid for at the contract unit price per foot for CHAIN LINK FENCE REMOVAL AND REPLACEMENT, which price shall be payment in full for the work as specified herein.

#### **SP-36 ABANDON EXISTING WATERMAIN**

After final inspection of the new main, and upon notice from the Engineer, the Contractor shall abandon in-place, the existing water main system that has been replaced by the work performed in this contract.

The exposed ends of all abandoned water main pipes shall be plugged with either a minimum of six inches of concrete, eight inches of brick and mortar, or mechanically capped where specified. Remaining live stubs of watermain not being abandoned shall be mechanically capped unless otherwise approved by the City. A Representative of the City Water Division shall witness the abandonment.

Abandoned valves shall be closed and the respective valve boxes broken down to a minimum of three feet below grade. Valve vaults shall be broken down to a minimum of three feet below grade, backfilled with CA-7 Crushed Stone, Class A, and compacted to grade. Any valve deemed salvageable by the Engineer shall be removed and transported to the City's Public Works Building. Water main stubs shall then be plugged or capped in the manner described above.

Basis of Payment: This work shall be paid for at the contract lump sum for ABANDON EXISTING WATER MAIN, which price shall include all costs for exposing, cutting, plugging and capping of main, removal and delivery of valves and abandonment, demolishing and back-filling of boxes



and vaults, and any restoration of surrounding existing conditions not otherwise specified on the plans.

**SP-37 DUCTILE IRON WATER MAIN PIPE (TYPE AND SIZE SPECIFIED)**

Water main pipe materials and installation shall meet all of the applicable requirements of the Standard Specifications for Water and Sewer Construction in Illinois, and the following standards:

Ductile Iron Pipe (DIP) -       ANSI/AWWA - C151/A21.51,  
   ANSI Class 52  
   Cement Lined ANSI/AWWA - C104/A21.4

The coupling of these water main pipes shall meet the requirements of the following standards:

Compression (push-on) rubber gasket joints in accordance with ANSI/AWWA C111/A21.11.

Locking rubber gasket joints in accordance with ANSI/AWWA C111/A21.11.

Fittings shall be cast iron or ductile iron conforming to ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53. The joints shall be either mechanical or push-on conforming to ANSI/AWWA-C111/A21.11 for rubber-gasket joints. All nuts and bolts used for jointing of sections, including valves and hydrants, shall be stainless steel, Grade 304 bolts, and Grade 316 nuts, unless shown otherwise on the plans.

All mechanical thrust restraints installed shall be "Meg-A-Lug" or "Meg-A-Lug"-type restraint systems with "cor-ten" bolts. (Solid Precast Concrete thrust blocks may be placed in addition to mechanical thrust restraints in select locations as described elsewhere in these provisions).

Brass wedges shall be installed to provide electrical conductivity.

At a minimum, Type 3 laying conditions shall be provided, conforming to AWWA Standard C-600.

Unless otherwise shown on plans or directed by the Engineer, all ductile iron water main pipes shall be installed without granular or concrete cradles. Although bell holes may not be required, the trench bottom shall be excavated and shaped such that the pipe is uniformly supported over its entire length. The pipe shall be installed so that the entire length of pipe shall have full bearing. No blocking shall be used to adjust the pipe to grade except in conjunction with concrete thrust blocking or encasements. Laying of water main pipe shall be accomplished to line and grade in the trench only after it has been completely de-watered and the bedding is free of mud, loose silt, or gravel. All foreign material shall be kept out of the pipe. All pipe laid shall be retained in position such to maintain joint closure, alignment, and grade until sufficient backfill has been completed to adequately hold the pipe in place.

All trenches and excavations beneath or within two feet (2') of pavement, curb and gutter, sidewalks and driveways, or as otherwise shown on plans or as directed by the Engineer in the field, will require aggregate trench backfill of the type indicated on the plans. CA-6 and CA-7 aggregate materials used as trench backfill shall be crushed stone, Class A, and meet the requirements of the Standard Specifications. Aggregate trench backfill shall extend from 1' above the pipe to the bottom of the first layer of new bituminous asphalt patch material.

Backfill shall be placed in 8" lifts and compacted by vibrating plate or other mechanical compacting device

in a manner consistent with the Standard Specifications, to ensure that no future settlement occurs. CA-7, where indicated on the plans, shall be compacted so as to consolidate the material and provide sound bearing. CA-6, where indicated on the plans, shall be compacted to 95% of the Standard Proctor Density.

All backfilling shall be done in accordance with Section 20-4.06 of the Water and Sewer Specs. Specifically, all trenches and excavations other than those shown on the plans or designated by the Engineer to receive trench backfill, shall be backfilled by any acceptable method which will not dislodge or damage the pipe, or cause bridging action in the trench. Spoil material may be used as backfill in turf areas unless shown otherwise on the plans. In turf areas, CA-7 crushed stone, Class A, shall be used to a height of one (1) foot above the top of the pipe, and the balance of the backfill may be approved excavated material.

At the end of each work day, the end of installed water main pipe shall be protected and the excavation backfilled. No excavation or trench shall be left open overnight.

The following specific items shall be considered incidental to water main pipe installation and shall be included in the contract unit price for DUCTILE IRON WATER MAIN PIPE:

1. Removal and disposal of all surplus trench excavation from site;
2. Excavation for and placement of granular bedding and encasement material when shown on the plans and/or ordered by the Engineer;
3. Support of trenches, including any necessary bracing or shoring;
4. De-watering of trenches or any excavation;
5. Adjustment to horizontal and vertical alignment due to utility conflicts;
6. All backfilling (including furnishing and installation of aggregate trench backfill); and
7. All fittings, thrust blocking, and other appurtenances necessary for a complete installation.

Basis of Payment: This work will be paid for at the contract unit price per FOOT for DUCTILE IRON WATER MAIN PIPE (TYPE & SIZE SPECIFIED).

#### **SP-38 POLYETHYLENE ENCASEMENT**

This work shall consist of encasing the entire length of ductile iron water main to be installed under this contract. All new ductile iron water mains shall be encased in a high density polyethylene tube, according to the materials and methods outlined in ANSI/AWWA C105/A21.5 and ASTM A674, using installation method A.

Basis of Payment: Polyethylene Encasement shall be considered INCIDENTAL to Ductile Iron Water Main Pipe installation, and no additional compensation will be allowed the Contractor.

#### **SP-39 PVC WATER MAIN PIPE [HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD]**

**Qualifications:** This work shall be performed by a contractor with a minimum of five (5) years of experience in the Horizontal Direction Drilling (HDD) method of installing potable water main. If requested by the City, Contractor shall provide references for three similar HDD projects, completed by Contractor within the past five (5) years, with contact information for the owner/owner's representative for each project. Failure to provide such information upon request, to the satisfaction of the City, may be grounds for the disqualification of Contractor's bid.

**Description:** All work shall conform to the most up-to-date ASTM and AWWA Standards for Horizontal Directional Drilling (HDD). This item shall include all work necessary for the installation of potable water main pipe at the location and depth called out on the plans via horizontal directional drilling methods.

Installation of the pipe via HDD shall include, but may not be limited to, the following items:

1. Any further site and/or soil investigations beyond the analysis provided in the Geotechnical Soil Report by Testing Service Corporation, dated March 27, 2017
2. All equipment, materials, and labor to install the pipe
3. Excavation and sheet piling/shoring/bracing for any drilling pits, including any structural design as may be required. Under no circumstances shall pits be so large that the curb & gutter or pavement of Tyler Road is impacted or undermined.
4. Dewatering/pumping of drilling pits
5. Transportation and storage of water required for drilling and hydrostatic testing
6. Removal and proper disposal of spoils generated from the HDD operation, including drilling fluid. Storage of excavated materials or drilling fluid on the project site shall not be allowed.
7. Removal of sheet piling/shoring/bracing and backfilling drilling pits with original spoils or aggregate trench backfill. All trenches and excavations beneath or within two feet (2') of pavement, curb and gutter, sidewalks and driveways, or as otherwise shown on plans or as directed by the Engineer in the field, will require aggregate trench backfill of the type indicated on the plans. CA-6 and CA-7 aggregate materials used as trench backfill shall be crushed stone, Class A, and meet the requirements of the Standard Specifications. Aggregate trench backfill shall extend from 1' above the pipe to the bottom of the first layer of new bituminous asphalt patch material. Backfill shall be placed in 8" lifts and compacted by vibrating plate or other mechanical compacting device in a manner consistent with the Standard Specifications, to ensure that no future settlement occurs. CA-7, where indicated on the plans, shall be compacted so as to consolidate the material and provide sound bearing. CA-6, where indicated on the plans, shall be compacted to 95% of the Standard Proctor Density.
8. Disposal of excess drilling fluid.
9. Additional length of boring necessary to install the pipe at the line and grade as shown on the plans. Only the actual length of permanent, installed pipe shall be measured for payment. Additional length of bore hole, and any excess length of material not permanently installed, shall be considered incidental.
10. Connecting pipe to proposed upstream and downstream pipes, including but not limited to all fittings, thrust blocking, restraining glands, etc.
11. Installation of tracer wire as specified below
12. Any other items not mentioned herein to complete installation of the pipe as shown on the plans

At Contractor's option, pipe specified on the plans to be installed using HDD may be installed by the open cut method if approved by the City. However, any pipe shown to be installed by HDD will be paid for as PVC WATER MAIN PIPE (HDD METHOD) regardless of the actual method of installation. Any additional work, including but not limited to excavation, disposal of spoils, trench backfill, restoration of sidewalk, grass, etc., in excess of what is shown on the plans, shall be at Contractor's expense. No additional removal and replacement of pavement or curb & gutter, in excess of what is shown on the plans, shall be allowed without written approval of the City.

Prior to commencing directional drilling, the Contractor shall submit to the Engineer details of equipment and detailed working drawings describing the proposed method of directional drilling. This shall include arrangement of equipment, location and size of drilling and receiving pits, method of dewatering (including a detailed pumping plan with adequate sediment control measures employed), method of removing spoils material, size carrier pipe (if required), method of fusing/joining pipe segments, tracer wire and grounding system details and specifications, carrier pipe end seals (if applicable), support segments, and method of abandonment of pilot hole. The project is located in the vicinity of a drainage ditch and regulatory floodplain; therefore, a frac-out contingency plan must also be submitted prior to commencing work. Sufficient material shall be submitted to show compliance with the Contract Documents and to show that articles proposed for use in the work are acceptable.



**Inspection:** The Contractor will at all times provide and maintain instrumentation which will accurately locate the pilot hole and measure drilling fluid flow discharge rate and pressure. The Engineer will have access to these instruments and readings at all times.

**Pipe Material:** PVC pipe meeting the requirements of AWWA C900 shall be used for HDD, with a minimum pressure rating of 200 psi, and a minimum dimension ratio (DR) of 14. Contractor shall submit manufacturer's specifications, cut-sheets, and certifications for all PVC pipe material to be used, including all joints, fittings, and appurtenances. A geotechnical soil report, generated by Testing Service Corporation and dated March 27, 2017, has been provided to all plan holders. The Contractor shall submit to the City all design calculations for determining pipe type, class, and thickness based on soil conditions, longitudinal stress from pulling force, longitudinal curvature stress at point of entry and in final position, external pressure from drilling fluid, overburden, and any other variables affecting installation of the pipe at the location and depth shown on the plans. Design calculations shall be presented in a neat, readable format, with all figures, values and units included to facilitate ease of verification. Unit prices submitted with the bid shall reflect the Contractor's proposed type, class, and thickness of PVC pipe.

**Joints and Fittings:**

Pipe joints and fittings shall conform to ASTM D1784 Cell Class 12454, ASTM D3139 and ASTM F477. Joints and fittings shall be Certa-Lok, by North American Pipe Corporation, or approved equal.

**Unloading, Handling, and Storing of Pipe:** All pipes and special castings shall be unloaded and distributed along the line of work in such a manner and with such care as will effectually avoid the cracking of any pipe. Dropping pipe or fittings directly from the truck will not be permitted. No wire rope, chains or hook shall be used for the handling of pipe. Slings of rubber or fabric belting shall be used for this purpose. Pipe shall be stored on a flat surface so that the barrel is evenly supported. Pipe shall not be stored in piles higher than 4 feet.

**Defective Pipe and Fittings:** No pipe or fitting that is known to be defective shall be laid in the work. Any piece that is found to be defective after it has been laid shall be removed by the Contractor and replaced by a sound and perfect piece.

**Equipment:** It is the Contractor's responsibility to ensure the equipment used shall have the capacity, stability, and necessary safety features for HDD at the location called out on the plans.

**Drilling Fluids:** The Contractor shall submit to the City the product information, material specifications, handling procedures, special precautions required, and method of mixing and installation of the Bentonite/drilling fluid to be used. No drilling fluid shall be utilized that does not comply with all environmental regulations. A mixing system shall be employed that has the capability to molecularly shear individual bentonite particles from the dry powder to avoid clumping and ensure thorough mixing. The delivery system shall have filters to prevent solids from being pumped into the drill pipe. Connections between the pump and the drill pipe shall be relatively leak-free. Used drilling fluid and drilling fluid spilled during operations shall be contained and conveyed to the drilling fluid recycling system or shall be removed from the site. Secondary containment shall be employed around drill rigs and the drilling fluid mixing and conveyance system, entry and exit pits, and drilling fluid recycling system to prevent spills into the surround environment. Disposal of drilling fluids shall be the responsibility of the Contractor and shall be conducted in compliance with all environmental regulations, right-of-way and work space agreements. Drilling fluid returns at locations other than the entry and exit points shall not be allowed, and should be avoided to the maximum extent possible. The Contractor shall immediately clean up any inadvertent returns in accordance with the project "frac-out" plan.

**Directional Tolerance:** A guidance system probe or proven gyroscopic probe and interface shall be used to provide a continuous and accurate determination of the location of the drill head during the drilling operation. The guidance shall be capable of tracking at all depths up to 50 feet and in any soil or rock condition. It shall enable the driller to guide the drill head by providing immediate information on the tool face, azimuth (horizontal direction) and inclination (vertical direction). The pilot hole shall be drilled along the path shown on the Plan and Profile drawing to the following tolerances:

1. Elevations – Plus or minus six (6”) inches.
2. Alignment – Plus or minus six (6”) inches.

**Tracer Wire and Grounding:** A complete tracer wire and grounding system shall be installed the full length of any PVC pipe, in accordance with the manufacturer’s recommendations. Wire coating, connectors (if required) and access boxes shall be color coded for potable water (blue). Materials shall be as specified below, or approved equal.

Wire: Copper clad steel (CCS) 10 gauge with 45 mil HDPE coating. SoloShot 1045 EHS, by Copperhead Industries, LLC, or approved equal.

Connectors: Unless approved by the City in writing, tracer wire shall be one continuous length of wire with no splices. If connectors are needed, contractor shall use sealed waterproof and corrosion proof connectors rated for direct burial, with a dielectric gel sealant. SnakeBite Connectors by Copperhead Industries, LLC, or approved equal.

Access Boxes: Tracer wire shall have access boxes at each end, with lockable covers (color coded blue), to allow for easy access while preventing tampering. Access boxes in non-paved areas shall be SnakePit LD14TP-ADJ, by Copperhead Industries, LLC, or approved equal. In paved areas, access boxes shall be SnakePit RB14TP, by Copperhead Industries, LLC, or approved equal. The location of access boxes shall be approved in the field by the City prior to installation.

Grounding: Tracer wire shall be grounded using a minimum of one magnesium anode (ANO-12 by Copperhead Industries, LLC, or approved equal). Contractor shall submit grounding plan and material specifications to City for review prior to ordering materials. All grounding methods shall be installed per the manufacturer’s recommendations.

Tracer wire shall be taped to the pipe at 5 foot intervals, leaving sufficient slack to accommodate the stretching of the pipe during pull-back. At no point shall the tracer wire be installed more than 6” from the pipe, or as otherwise approved in writing by the City. Upon completion of installation, tracer wire shall be tested for continuity to provide proof of functionality to the satisfaction of the City. This test shall be performed prior to any restoration work. If connectivity does not exist and/or the tracer wire does not function to the satisfaction of the City, Contractor shall be required to install a new tracer wire at his own expense. Should the contractor desire, multiple tracer wires may be installed with the pipe to increase the likelihood that at least one of them will function satisfactorily after the drilling is complete. No additional compensation for the extra wires will be allowed.

#### **Testing and Disinfection:**

All water mains shall be tested and disinfected in accordance with the Special Provision herein for “PRESSURE TESTING” and “DISINFECTION”. Final acceptance of the lines will not be made until satisfactory tests have been passed.

**Basis of Payment:** This work shall be paid for at the contract unit price per **FOOT** for:

**PVC WATER MAIN PIPE, (SIZE, MATERIAL SPECIFIED) [HDD METHOD],**

Unit prices shall include all labor, material, and equipment necessary to complete the work, including, but

not limited to, all incidental work herein specified.

**SP-40 STEEL CASING PIPE. (SIZE)**

This work shall consist of the augering or open cut installation of casing pipe as specified and the installation of water main pipe through it. The method of installation (open cut or auger) shall be as specified on the plans. Augered casing shall be installed by dry bore and jack method (wet bore will not be permitted). Water main pipe materials and installation shall comply with all requirements of the DUCTILE IRON WATER MAIN, 12" special provisions of this document.

The casing pipe shall be a new welded steel pipe, bituminous coated, capable of withstanding a minimum force of 35,000 PSI, and shall meet the requirements of ASTM-139, Grade B. The following table shall determine the diameter size and wall thickness of the casing pipe:

**CASING PIPE**

Inside Diameter of Water Main Pipe	Inside Diameter of Casing Pipe	Minimum Wall Thickness of Casing Pipe
12"	22"	0.375"

The casing length shall be as shown on the plans, or as directed by the Engineer in the field, and/or shall conform to the following IEPA standards:

- a) Where the horizontal separation between the water main and any storm or sanitary sewer is less than ten feet and the bottom of the water main is less than eighteen inches above the top of the sewer; or
- b) Where the water main crosses less than eighteen inches above or any distance below a sewer.

For condition (a), the casing pipe shall extend the entire length of the above described proximity and for condition (b), the casing shall be installed for a distance of no less than ten feet to either side of the sewer. For the purpose of this special provision, open-ended culverts shall not be considered a sewer.

The installation of the casing pipe shall be a continuous operation. All joints in the casing shall be welded. Care shall be exercised when auguring to prevent the loss of soil which will create voids outside of the casing.

Stainless steel casing spacers (by Cascade Waterworks or approved equal) shall be used when installing the water main within the casing pipe. Skids shall be securely banded to the water main at frequent intervals such that the pipe is uniformly supported within the casing. Prior to backfilling, the ends of the casing pipe shall be sealed with an end boot (by Cascade Waterworks or approved equal).

The auger pits shall be large enough to accommodate all equipment; however, pits shall not be larger than twice the allowable trench width by twice the casing pipe length. Under no circumstances shall pits be so large that the curb & gutter or pavement of Tyler Road is impacted or undermined. Any bracing or shoring necessary, including any structural design as may be required, shall be included in the unit price for STEEL CASING PIPE. The pit shall be protected at all times such that safe working conditions are assured and no hazard is presented to motorists or pedestrians. Pits shall be backfilled with aggregate trench backfill as shown on the plans or as directed by the Engineer, and shall be as specified in the Special Provision herein for "Ductile Iron Water Main Pipe." The cost to furnish and install aggregate trench backfill shall be included in the unit price for STEEL CASING PIPE.



**Basis of Payment:** The work shall be paid for at the contract unit price per foot for STEEL CASING PIPE (SIZE), which shall include all labor, materials, and necessary equipment to complete the work in place. Water main pipe installed within the steel casing pipe shall be paid for separately as DUCTILE IRON WATER MAIN PIPE.

#### **SP-41 THRUST RESTRAINT**

Formed concrete thrust restraints may be required at fire hydrants, plugs, caps, and tees in addition to the wedge action retainer glands at fittings, as shown on the plans, or upon the specific direction of the Engineer. 3,000 PSI Portland cement concrete shall be used. The use of wood blocking, concrete blocks, stakes or clamps will not be allowed.

**Basis of Payment:** Thrust restraints shall be considered **INCIDENTAL** to the cost of the pipe being installed, and no additional compensation will be allowed the Contractor.

#### **SP-42 WATER SYSTEM SHUTDOWN**

All existing valves shall be turned and operated by the City's Water Division Personnel. When the Contractor desires the shutdown of an existing water main for the purpose of connection or abandonment, he shall give the Water Division and Engineer at least 24 hours' notice. The Water Division will advise the Contractor of their availability and then schedule the work.

Water shutdowns shall be performed at a time dictated by the Water Division. Generally, water may not be shut down before 9:00 a.m. or after 5:00 p.m. However, if deemed necessary by the City, to reduce impact to water customers, shutdowns may occur after normal working hours. The Contractor shall adjust his schedule accordingly, and no additional compensation for overtime, additional equipment required for night work, etc. shall be allowed.

#### **SP-43 PRESSURE TESTING**

Upon completion of the proposed water main and prior to the connection of all service lines, the water main shall be tested in accordance with the Standard Specifications for Water and Sewer Construction in Illinois, Section 41-2.14, and as required by the City Water Division. Any cracked or defective pipefitting, valves, hydrants found shall be removed and replaced with satisfactory materials and the test repeated until test results are satisfactory. Joints showing visible leaks shall be made watertight. A representative of the City's Water Division shall witness the pressure test.

**Basis of Payment:** This work is considered **INCIDENTAL** to the installation of the water main pipe, and no additional compensation will be given for any required re-testing.

#### **SP-44 DISINFECTION**

Upon completion of all water mains and after the results of the hydrostatic test are satisfactory, but prior to the connection of all service lines, the water main shall be thoroughly flushed and disinfected. All disinfection methods must be as required by the City of St. Charles.

All water mains shall be disinfected in accordance with Section 41-2.15 of the Standard Specifications for Water and Sewer Construction in Illinois, utilizing Sodium Hypochlorite (23%) as the chlorinating agent.

A representative of the City's Water Division shall witness disinfection of the water main.

The new section of main shall not be placed into service until the Water Division grants approval.

**Basis of Payment:** This work is considered **INCIDENTAL** to the installation of the water main pipe, and no additional compensation will be given for repeating any part of the disinfection procedure, should the

residual level of chlorine fail to meet the requirements.

**SP-45 CONNECT TO EXISTING WATERMAIN**

The City of St. Charles Water Division personnel shall turn off existing City valves necessary to perform cut-in connections. Cut-in connections shall be performed only after pressure testing, leakage testing and disinfecting of the new water main has been performed and accepted by the City. Cut-in connections will be performed under the supervision of Water Division personnel.

Basis of Payment: This work will be paid for at the contract unit price each for CONNECT TO EXISTING WATER MAIN, (NON-PRESSURE), which price shall include all labor, materials, and equipment necessary to do the work.

**SP-46 FIRE HYDRANT REMOVAL AND RESET**

This work shall consist of the disconnection and removal of existing hydrants during construction and the resetting of the hydrant after construction. Included in this item is the removal of the auxiliary valve and connecting water main, and securely plugging the hydrant tee. The Contractor may not remove any fire hydrant without the specific permission of the Engineer. The contractor shall keep the existing hydrant onsite in a location where no damage will occur. Should the hydrant or any part of the assembly be damaged, Contractor shall replace it in accordance with the details shown on the plans, at no additional cost.

When the hydrant is reset, the contractor shall use the existing hydrant that was removed and stored onsite. Hydrants shall be set plumb, with the nozzle and steamer connection facing the roadway. The steamer connection shall be set not less than eighteen inches (18") nor more than twenty-four inches (24") above finished grade. The installation of the fire hydrants and auxiliary valves shall be in accordance with the attached hydrant details. All auxiliary valves shall incorporate lacing rods from valve to tee.

Basis of Payment: This work will be paid for at the contract unit price each for FIRE HYDRANT REMOVAL AND RESET, which price shall include all excavation, backfilling, materials and transportation necessary to complete this item.

**SP-47 LINE STOP EXISTING MAIN (SIZE)**

This item shall consist of installing a temporary line stop in the existing watermain that are under pressure. Line stops shall only be used if deemed necessary and approved in advance by the City's Water Division. Prior to installing the line stop, the Contractor shall verify the actual diameter of the main at the point where the line stop will be installed. Split sleeves, fittings, and rubber glands shall conform to AWWA C110 and bolts and set screws shall be stainless steel or corrosion resistant materials.

Basis of Payment. This work will be paid for at the contract unit price per each for LINE STOP EXISTING MAIN (SIZE SPECIFIED), which will include all excavation, backfill, tapping equipment, fittings, split sleeves, rubber glands and any joint accessories for a complete line stop installation.

**SP-48 VALVE IN VAULT, 5' DIAMETER**

Water main valves shall meet all of the requirements of the following standards as reissued and published on or before the date of this contract:

- Rubber-Seated Butterfly Valves - AWWA C504
- Resilient-Seated Gate Valves - AWWA C509
- Resilient-Seated Gate Valves for Pressure - AWWA 6500
- Side Tapping or Pressure Insertion - AWWA C509

All valves shall have the name, monogram, or initials of the manufacturer cast thereon. The Contractor shall submit to the Engineer the Manufacturer's specifications for the valves he intends to use on this project. All valves shall contain factory installed Grade 316 stainless steel nuts and Grade 304 bolts, unless otherwise shown on the plans. All valves shall be furnished with mechanical joints conforming to ANSI/ANWA- C111/A21.11.

Valves for water mains eight (8) inches in diameter or larger shall be Resilient-Seated gate valves (Clow Corporation, Waterous Company, or approved equal) and installed in a five-foot diameter Type A vault with a standard cone section.

Pressure side-tapping Resilient-Seated gate valves shall be installed in a Type A vault with an offset cone section unless otherwise noted. Pressure insertion Resilient-Seated gate valves shall be installed in a Type A vault with a standard cone, five-foot diameter vault for mains ten inches in diameter or larger.

All vaults shall be equipped with a Type 1 frame and lid with the word "WATER" cast in the lid. The pick holes shall be of the large size per IDOT Standard 604001. All lift holes and holes around the water main shall be completely sealed with mortar inside and out. All joints between vault sections and between adjustment rings shall be completely sealed with mastic only, as directed by the Engineer.

Gate Valves, 3" diameter or larger, used to reconnect 3" or larger water services shall be paid for as valves and not as water service reconnection devices.

All valve vaults beneath or within two feet (2') of pavement, curb and gutter, sidewalks and driveways, or as otherwise shown on plans or as directed by the Engineer in the field, will require aggregate trench backfill of the type indicated on the plans. CA-6 and CA-7 aggregate materials used as trench backfill shall be crushed stone, Class A, and meet the requirements of the Standard Specifications. Backfill shall be placed in 8" lifts and compacted by vibrating plate or other mechanical compacting device in a manner consistent with the Standard Specifications, to ensure that no future settlement occurs. CA-7, where indicated on the plans, shall be compacted so as to consolidate the material and provide sound bearing. CA-6, where indicated on the plans, shall be compacted to 95% of the Standard Proctor Density.

Basis of Payment: This work will be paid for at the contract unit price each for (SIZE) VALVE IN VAULT (SIZE), which price shall include all excavation, bedding, backfill, blocking, and tapping sleeve or anchor clamps where applicable.

#### **SP-49 EROSION AND SEDIMENTATION CONTROL**

Throughout each and every phase of the project, all downstream ditches and storm sewers shall be protected from the run-off of roadway surfaces, excavations, and other construction activities generating the movement of dirt, mud, dust and debris. This work shall consist of constructing temporary erosion and sedimentation control systems as shown on the plans or as directed by the Engineer. The work shall be placed by methods and with materials in accordance with Sections 280, 1080 and 1081 of the Standard Specifications, except as amended herein, and shall meet all of the requirements of the Illinois Urban Manual, including the latest updates of any applicable standard drawings and practice standards. Depending on Contractor's means and methods, additional erosion and sediment control devices above and beyond those shown on the plans may be necessary. Any modifications to the erosion control as shown will be the responsibility of the contractor and no additional compensation will be allowed, including installation, maintenance and removal of any/all necessary erosion and sediment control measures.

All surface runoff shall be protected from erosion and sedimentation by the installation of silt fence; straw bales shall not be used. Piles of excavated material are not allowed to be stored onsite. Storm sewer inlet



structures or manholes shall be protected by temporary placement of filter baskets.

Erosion and sedimentation control measures as indicated in the Erosion Control Plan, or as directed by the Engineer shall be installed on the project site prior to beginning any construction activities which will potentially create conditions subject to erosion. Erosion control devices shall be in place and approved by the Engineer as to proper placement and installation prior to beginning other work. Erosion control protection for Contractor equipment storage sites, plant sites, and other sites shall be installed by the Contractor and approved by the Engineer prior to beginning construction activities at each site. If erosion control items are needed to be replaced or repaired due to construction activities of each Contractor following the installation of initial erosion and sediment control items, these items shall be incidental to each Contractors' overall contract work.

**Silt Fence:** Placement and maintenance of silt fence at areas designated by the Engineer. The work shall be placed by methods and materials in accordance with Sections 280 and 1080 of the Standard Specifications, except as amended herein. This shall also include the removal and disposal of silt fence immediately prior to final restoration work.

**Inlet Protection:** Installation, maintenance and removal (after final stabilization) of inlet filter baskets as depicted on the plans.

**Dewatering:** When dewatering is required, the contractor shall provide the City with a dewatering plan for review before any dewatering has begun. The City's review of said plan shall not relieve the Contractor of the obligation to provide all required sediment control for water leaving the site. Dewatering measures shall, at a minimum, employ a sediment filter bag on the end of all discharge hoses, properly sized for the flow and placed upon a level pad of washed aggregate. If required, additional measures shall be employed by the Contractor to ensure that water leaving the site is clear. These may include but are not limited to sediment basins, ditch checks, polymers, jute-lined ditches, etc. At the first sign of sediment laden or murky water leaving the site, the Contractor shall notify the City, cease dewatering operations, and shall modify the plan to supplement the sediment control measures already in place until the water leaving the site is clear.

Any discharge of sediment, sediment laden water, or other materials into the storm system or receiving waters, whether intentional or unintentional, shall be the responsibility of the Contractor. Contractor shall act immediately to begin clean-up and remediation of any and all damage resulting from the discharge of any sediment or other materials downstream.

**Basis of Payment:** This work shall be paid for at the contract unit price per each for INLET PROTECTION, and per foot for SILT FENCE. Dewatering shall not be paid for separately, but shall be incidental to the item of work being installed.

#### **SP-50 PARKWAY RESTORATION, SPECIAL**

This item shall be done in accordance with the applicable portions of Sec. 252 of the Standard Specifications and the following provisions.

This work shall consist of the excavation, placement of topsoil and sodding of the parkway and other disturbed grassed areas during the course of construction or as directed by the Engineer.

All topsoil to be used for parkway restoration shall be obtained from outside the limits of this improvement, transported to the site and placed at required locations to a minimum depth of 4". All materials shall meet the requirements of Art. 1081.05 of the Standard Specifications. All placement of topsoil shall meet the requirements of Sec. 211 of the Standard Specifications.

All sod shall be Salt Tolerant, and shall meet the requirements of Art. 1081.03 of the Standard Specifications. All placement of sod shall meet the requirements of Sec. 252 of the Standard Specifications.

For that period prior to full parkway restoration, the Contractor shall backfill and grade all disturbed areas so as to insure the safety of the general public. Parkway shall be left in a safe, clean and usable condition conducive to foot traffic and to the satisfaction of the Village. The Contractor shall protect these unfinished areas against erosion and work to keep them weed free.

Sod shall be watered in accordance with the Standard Specifications. Additional water as may be necessary for proper establishment of sod shall be considered incidental. Any sod not alive at the end of the spring season in the year after which it is planted shall be replaced by Contractor at no additional cost, and shall be watered and cared for until it has survived for one growing season or until the City is satisfied that the sod has adequately been established.

Basis of Payment: This work will be paid for at the contract unit price per square yard for PARKWAY RESTORATION, SPECIAL, which price shall be payment in full for any grading necessary, the furnishing, transporting and placement of all topsoil and sod and the full watering of sod. Unless otherwise directed by the Engineer, restoration of disturbed parkways outside the limits of improvement or beyond that shown on the plans will not be measured for payment, but shall be considered incidental to the contract.

#### **SP-51 CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT**

The work shall be done in accordance with applicable portions of Sections 351, 440, and 606 of the Standard Specifications and per City details, except as herein modified.

This work shall include the removal and replacement of all new curb and gutter. Curb and gutter shall match existing type and size, except at sidewalk ramps where depressed curb shall meet all City, State and Federal (ADA) requirements. All curb shall have continuous reinforcement of two (2) #4 rebars.

Any pavement area adjacent to the curb and gutter not designed to be removed, which is removed, damaged or otherwise disturbed during construction operations, shall be restored to the satisfaction of the Engineer. The restoration will not be paid for separately but shall be included in the cost of curb and gutter removal and replacement.

The Contractor must schedule the removal of the curb and gutter such that only one side of a given street will be under construction at any one time unless approved by the Engineer. All homeowners and businesses shall be given a minimum of 24 hours' notice prior to removal of curb and gutter adjacent to the driveway. Within the project limits, in no case shall an open excavation caused by removal of existing curbing, whether formed or not formed remain open for more than **3 calendar days** unless approved by the Engineer. The Engineer shall assess liquidated damages of \$1000 per day for each day after the 3 calendar days has passed without approval for a time extension.

The type of replacement concrete curb and gutter shall match the existing curb and gutter or be of the type specified on the plans or as directed by the Engineer. The thickness of the proposed gutter shall match the thickness of the adjacent pavement, but in no case less than ten (10) inches. The proposed curb and gutter shall be constructed to a grade established by the Engineer at the time of construction. The Engineer must approve forming methods for pouring the curb and gutter. The use of the existing edge of pavement for HMA roadways shall not be considered a proper forming method for placement of P.C.C. material.

Any excavation required to construct the proposed curb and gutter to the proper elevation including excavation to subgrade for placement of four (4) inches of aggregate base course (CA-6 or approved equal), shall be included in the contract unit price for CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT. Any excavated material by the Contractor for forming purposes shall be included in this pay item. Any excavated material shall be properly disposed of at a suitable off-site location.

If the existing base is soft or unsuitable, the Contractor shall remove the existing base and provide compacted granular material (CA-6 or approved equal) as required to provide a stable sub base.

The proposed curb and gutter shall be depressed across all handicapped ramps, driveways and/or directed by the Engineer. Placement of depressed curbing for private walkways or carriage walks shall not be permitted.

Expansion joints shall be installed at 60' intervals and at all points of curvature where the radius is less than 100'. Contraction joints shall be formed at 15' intervals. Contraction joints shall be formed by saw cutting to a depth of at least two inches (2"). A keyed construction joint shall be placed at all locations of adjacent sidewalk (refer to City detail for specifications).

Two (2) drilled, epoxy coated, and grouted reinforcing bars or expansion tie anchors shall be used to tie the proposed curb and gutter to the existing curb and gutter. Furnishing and installing the expansion tie anchors or drilled and grouted reinforcing bars shall not be paid for separately, but shall be included in the contract unit price for CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.

All exposed concrete shall receive a protective surface treatment consisting of two (2) coats of boiled linseed oil and petroleum spirits mixture, formulated and applied according to Article 420.18 of the Standard Specifications. If an application of sand is required by the Engineer for blotter material, it will be considered incidental to this work. The application of both coats shall be witnessed by the Engineer. The Engineer shall be notified 24 hours in advance prior to application. Protective surface treatment shall not be paid for separately but shall be included in the cost of the concrete item provided.

Where voids occur between the existing pavement to remain and proposed curb any loose material shall be removed to the satisfaction of the engineer and it shall be backfilled with concrete to above the elevation of the proposed milled surface course and is considered included in the cost of the pay item.

This work shall be paid for at the contract unit price per foot for CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, which price shall include all labor, materials, equipment, protective coat, backfill and incidentals necessary to complete the work as described above.

#### **SP-52 PAVEMENT PATCHING, FULL DEPTH**

This work shall consist of pavement patching over trenches for the installation of utilities, of the type and depth specified on the plans and in the contract documents. This work shall be performed as per Section 442 of the Standard Specifications, except as herein modified.

Piles of excavated material are not allowed to be stored onsite.

No additional compensation shall be given for patching that exceeds the area or depth shown on the plans without prior authorization from the City.

Basis of Payment: This work shall be paid for at the contract unit price per square yard for PAVEMENT



PATCHING, FULL DEPTH.

**SP-53 ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT**

This work shall be in accordance with applicable portions of sections 351, 406, and 440 of the Standard Specifications, except as herein modified.

This work shall include removal of existing driveways regardless of the material to be removed.

This work shall include, at a minimum, placement of six (6) inches of aggregate base course under three (3) inches of HMA surface course. If the existing base is soft or unsuitable, the Contractor shall remove the existing base and provide compacted granular material (CA-6 or approved equal) as required to provide a stable subbase.

Basis of Payment: This work shall be paid for at the contract unit price per square yard for ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT.

**SP-54 SIDEWALK REMOVAL AND REPLACEMENT, PCC 5"**

The work shall be done in accordance with applicable portions of Sections 351, 424, and 440 of the Standard Specifications, except as herein modified.

This work shall include the removal of existing PCC sidewalk and subbase and construction of new Portland cement concrete sidewalks at locations as shown on the plans and/or as directed by the Engineer. The work shall include the removal of soil to provide for the placement of four (4) inches of aggregate base course (CA-6 or approved equal) and placement of new Portland cement concrete sidewalk.

Any excavation required to construct the proposed sidewalk and aggregate base course to the proper elevation, and the excavation required for forming purposes, shall be considered incidental to the pay item. Excavated material shall be disposed of at a suitable off-site location. Any damage to existing sidewalks, curbs or driveways remaining in place due to forming methods or removal operations shall be replaced to the satisfaction of the Engineer at the Contractor's own expense. If the sub base material is soft or unsuitable, the Contractor shall remove unsuitable material and provide compacted granular material (CA- 6 or approved equal) as required to provide a stable sub base.

All new construction or reconstruction projects are required to utilize truncated domes to meet the current ADA standards of which may include, but not limited to, all pedestrian curb ramps, medians, pedestrian refuge islands, at-grade railroad crossings, alley and commercial drive crossings (either at-grade or curb ramps) with traffic control devices, or other locations that pedestrians are required to cross a hazardous vehicular way or as determined by the Engineer.

Use of inserted truncated dome plates, conforming to Federal Standard Color 30166 and consisting of vitrified polymer composite detectable tactile warning system in conformance with ADAAG and PROWAG shall be used at all appropriate locations, and shall be paid for at the contract unit price per square foot for DETECTABLE WARNINGS. No surface mounted plates shall be allowed. The Contractor shall be responsible for proper ADA sidewalk ramps. Any non-conforming work will be removed and replaced by the Contractor with no additional compensation.

Expansion joints shall be placed where the sidewalk abuts existing sidewalk, curbs and between concrete driveway pavement. The minimum slab thickness for sidewalks shall be 6 inches through driveway limits and 5 inches for all other public walkways unless otherwise noted by the Engineer or shown on the plans.

All exposed concrete shall receive a protective surface treatment consisting of two (2) coats of boiled linseed oil and petroleum spirits mixture, formulated and applied according to Article 420.18 of the Standard Specifications. If an application of sand is required by the Engineer for blotter material, it will be considered incidental to this work. The application of both coats shall be witnessed by the Engineer. The Engineer shall be notified 24 hours in advance prior to application. Protective surface treatment shall not be paid for separately but shall be included in the cost of the concrete item provided.

The excavation, aggregate base course replacement or fill, earthwork, bedding, curing/sealing compound necessary to complete the sidewalk is considered incidental to the pay item. Where grading (filling, cutting or shaping), is required adjacent to the sidewalk, it shall be considered included in the cost of the pay item.

This work shall be paid for at the contract unit price per square foot for SIDEWALK REMOVAL AND REPLACEMENT, PCC, 5", and unit price per square foot for DETECTABLE WARNINGS.

#### **SP-55 UPRR REQUIREMENTS**

Contractor shall, at all times during the life of this agreement, adhere to all requirements of the Union Pacific Rail Road (UPRR) for work within or adjacent to their right-of-way as it relates to this agreement. This includes, but may not be limited to, the procurement and maintenance of additional insurance, any modifications or additions to Contractor's existing insurance policies and coverages, inclusion of the UPRR as an additional insured, training or certification of workers, additional safety precautions, signage or equipment, the procurement or provision of flaggers and/or inspectors, and any other requirements or conditions of the permit to perform work within the UPRR right-of-way.

Basis of Payment: This work shall not be paid for separately, but shall be included in the unit price for MOBILIZATION.

# Kane County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	===	=	=====	=====	=====	===	===	=====	=====	=====	=====
ASBESTOS ABT-GEN		ALL		39.400	39.950	1.5	1.5	2.0	13.98	11.28	0.000	0.500
ASBESTOS ABT-MEC		BLD		36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000	0.720
BOILERMAKER		BLD		47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000	0.400
BRICK MASON		BLD		43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
CARPENTER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
CEMENT MASON		ALL		43.000	45.000	2.0	1.5	2.0	10.00	18.27	0.000	0.500
CERAMIC TILE FNSHER		BLD		36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770
COMMUNICATION TECH	N	BLD		36.360	38.460	1.5	1.5	2.0	12.27	10.25	0.000	0.640
COMMUNICATION TECH	S	BLD		38.620	40.720	1.5	1.5	2.0	10.19	10.81	0.000	1.350
ELECTRIC PWR EQMT OP		ALL		37.890	51.480	1.5	1.5	2.0	5.000	11.75	0.000	0.380
ELECTRIC PWR EQMT OP		HWY		39.220	53.290	1.5	1.5	2.0	5.000	12.17	0.000	0.390
ELECTRIC PWR GRNDMAN		ALL		29.300	51.480	1.5	1.5	2.0	5.000	9.090	0.000	0.290
ELECTRIC PWR GRNDMAN		HWY		30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR LINEMAN		ALL		45.360	51.480	1.5	1.5	2.0	5.000	14.06	0.000	0.450
ELECTRIC PWR LINEMAN		HWY		46.950	53.290	1.5	1.5	2.0	5.000	14.56	0.000	0.470
ELECTRIC PWR TRK DRV		ALL		30.340	51.480	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR TRK DRV		HWY		31.400	53.290	1.5	1.5	2.0	5.000	9.730	0.000	0.310
ELECTRICIAN	N	ALL		43.750	48.130	1.5	1.5	2.0	14.66	12.31	0.000	0.880
ELECTRICIAN	S	BLD		45.950	50.550	1.5	1.5	2.0	10.57	12.87	0.000	1.610
ELEVATOR CONSTRUCTOR		BLD		50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
GLAZIER		BLD		40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940
HT/FROST INSULATOR		BLD		48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720
IRON WORKER		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
LABORER		ALL		38.000	38.750	1.5	1.5	2.0	13.42	10.48	0.000	0.500
LATHER		ALL		42.520	44.520	1.5	1.5	2.0	13.29	12.76	0.000	0.630
MACHINIST		BLD		45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850	0.000
MARBLE FINISHERS		ALL		32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000	0.620
MARBLE MASON		BLD		43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000	0.780
MATERIAL TESTER I		ALL		29.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500
MATERIALS TESTER II		ALL		34.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.000
MILLWRIGHT		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
OPERATING ENGINEER		BLD 1		48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 2		46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 3		44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 4		42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 5		51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 6		49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		BLD 7		51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		FLT		36.000	36.000	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER		HWY 1		46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 2		45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 3		43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 4		42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 5		41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 6		49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER		HWY 7		47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
ORNAMNTL IRON WORKER		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
PAINTER		ALL		41.730	43.730	1.5	1.5	1.5	10.30	8.200	0.000	1.350
PAINTER SIGNS		BLD		33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIIVER		ALL		44.350	46.350	1.5	1.5	2.0	11.79	16.40	0.000	0.630
PIPEFITTER		BLD		46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000	1.780
PLASTERER		BLD		43.430	46.040	1.5	1.5	2.0	13.05	14.43	0.000	1.020
PLUMBER		BLD		46.650	48.650	1.5	1.5	2.0	13.18	11.46	0.000	0.880
ROOFER		BLD		41.000	44.000	1.5	1.5	2.0	8.280	10.54	0.000	0.530



Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	==	=	=====	=====	=====	==	==	=====	=====	=====	=====
SHEETMETAL WORKER		BLD		44.720	46.720	1.5	1.5	2.0	10.65	13.31	0.000	0.820
SIGN HANGER		BLD		26.070	27.570	1.5	1.5	2.0	3.800	3.550	0.000	0.000
SPRINKLER FITTER		BLD		49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550
STEEL ERECTOR		ALL		45.060	48.660	2.0	2.0	2.0	10.52	20.76	0.000	0.700
STONE MASON		BLD		43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
SURVEY WORKER		ALL		37.000	37.750	1.5	1.5	2.0	12.97	9.930	0.000	0.500
TERRAZZO FINISHER		BLD		38.040	0.000	1.5	1.5	2.0	10.55	11.22	0.000	0.720
TERRAZZO MASON		BLD		41.880	44.880	1.5	1.5	2.0	10.55	12.51	0.000	0.940
TILE MASON		BLD		43.840	47.840	1.5	1.5	2.0	10.55	11.40	0.000	0.990
TRAFFIC SAFETY WRKR		HWY		32.750	34.350	1.5	1.5	2.0	6.550	6.450	0.000	0.500
TRUCK DRIVER		ALL	1	35.920	36.120	1.5	1.5	2.0	8.280	8.760	0.000	0.150
TRUCK DRIVER		ALL	2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL	3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TRUCK DRIVER		ALL	4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.150
TUCKPOINTER		BLD		43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

Legend: RG (Region)

TYP (Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers)

C (Class)

Base (Base Wage Rate)

FRMAN (Foreman Rate)

M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)

OSA (Overtime (OT) is required for every hour worked on Saturday)

OSH (Overtime is required for every hour worked on Sunday and Holidays)

H/W (Health & Welfare Insurance)

Pensn (Pension)

Vac (Vacation)

Trng (Training)

# Explanations

## KANE COUNTY

ELECTRICIANS AND COMMUNICATIONS TECHNICIAN (NORTH) - Townships of Burlington, Campton, Dundee, Elgin, Hampshire, Plato, Rutland, St. Charles (except the West half of Sec. 26, all of Secs. 27, 33, and 34, South half of Sec. 28, West half of Sec. 35), Virgil and Valley View CCC and Elgin Mental Health Center.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

## EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

## CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but

not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

#### COMMUNICATIONS TECHNICIAN

Construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video), telephone, security systems, fire alarm systems that are a component of a multiplex system and share a common cable, and data inside wire, interconnect, terminal equipment, central offices, PABX and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

#### MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials;



field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

#### OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

## OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe

Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

#### OPERATING ENGINEERS - FLOATING

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

SURVEY WORKER - Operated survey equipment including data collectors, G.P.S. and robotic instruments, as well as conventional levels and transits.

TRAFFIC SAFETY - work associated with barricades, hoses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

#### TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material



Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

#### TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

#### Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

#### LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

#### MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".



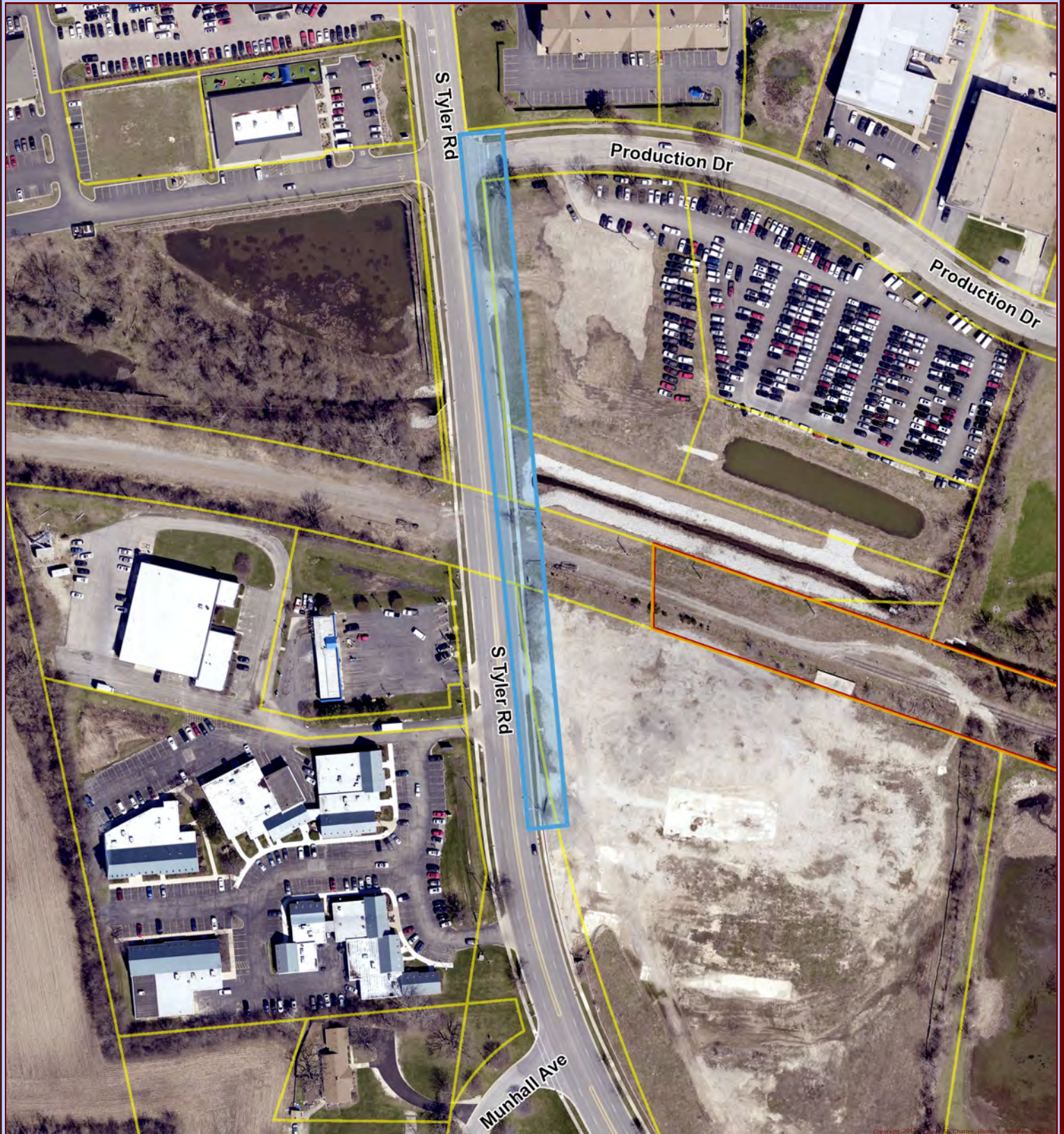
# City of St. Charles, Illinois

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## Precision GIS

RAYMOND ROGINA  
MARK KOENEN

Mayor  
City Administrator



Data Source:  
City of St. Charles, Illinois  
Kane County, Illinois  
DuPage County, Illinois  
Coordinate System: Illinois State Plane East  
Projection: Transverse Mercator  
North American Datum 1983  
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0 83 167 Feet

### S. Tyler Watermain

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## AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: 5.j

Title:

Recommendation to Approve Construction Contract for the 37<sup>th</sup> and 38<sup>th</sup> Avenue Roadway Improvement Project

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$729,209

Budgeted Amount: \$821,000

Not Budgeted: ☐

### **Executive Summary** (if not budgeted please explain):

At the March 27, 2017 GSC meeting staff presented all of the streets that will be constructed in 2017, including 37<sup>th</sup> and 38<sup>th</sup> Avenue. These roadways are located within the City's east side industrial park where many of the roadways are in really poor condition. Typically the roadways in this condition would be reconstructed, requiring the roadway to be shut down for long periods of time. Recognizing that this is an industrial park with large volumes of trucks every day, Staff is proposing a full depth reclamation process that would achieve the same goals with reduced impacts to the businesses. This process has been utilized by other local agencies with success. The improvements will include the typical repairs to sidewalks and curbs, utility, pavement marking and landscape restoration. PW Engineering Staff has completed a major PR initiative with all of the businesses in this area which has led to a successful partnership to help accomplish the goals of this project and the individual business needs.

On June 8, 2017, sealed bids for the 37<sup>th</sup> and 38<sup>th</sup> Avenue Roadway Improvement Project were publicly opened and read aloud. The City received a total of four (4) bids for this project, with the results shown below.

#### **Bid Results:**

<b><i>Engineer's Estimate</i></b>	<b><i>\$778,781.20</i></b>
J.A. Johnson Paving	\$729,209.00
Plote Construction	\$738,913.28
Geneva Construction	\$777,754.68
A. Lamp Concrete Construction	\$688,785.68

The Public Works Engineering Division prepared all design and specifications and performed the bid opening and review. All references for J.A. Johnson Paving came back favorable and they are capable of performing the work. Construction is anticipated to begin in July, with completion by September. Notifications will be provided to the businesses along with appropriate press release to the community.

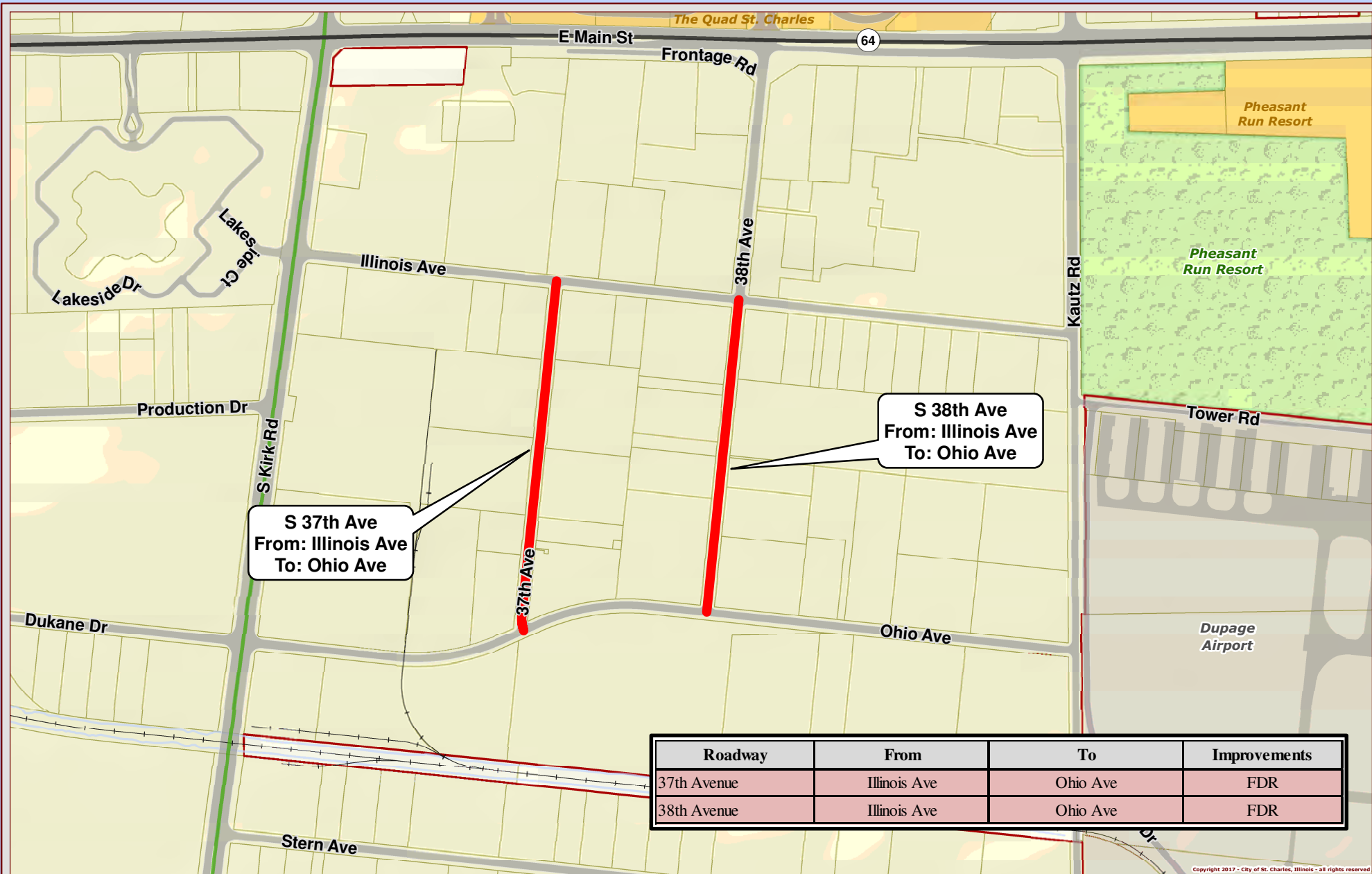
### **Attachments** (please list):

\*37<sup>th</sup> and 38<sup>th</sup> Avenue Roadway Improvement Project Location Map

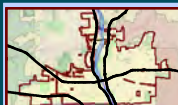
### **Recommendation/Suggested Action** (briefly explain):

Recommendation to Approve Construction Contract with J.A. Johnson Paving for the 37<sup>th</sup> & 38<sup>th</sup> Avenue Roadway Improvement Project in the amount of \$729,209.00.





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Publication Date:  
March 20th, 2017  
Data Source:  
City of St. Charles, Illinois  
Kane County, Illinois  
Dupage County, Illinois  
Projection: Transverse Mercator  
Coordinate System: Illinois State Plane East  
North American Datum 1983  
Request #: 1408



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Feet

— Roadway Improvement Area

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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.k

Title:

Recommendation to Approve a Construction Engineering Agreement for the 37<sup>th</sup> & 38<sup>th</sup> Avenue Roadway Improvement Project

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$66,668.06

Budgeted Amount: \$821,000

Not Budgeted: ☐**Executive Summary** *(if not budgeted please explain):*

The 37<sup>th</sup> & 38<sup>th</sup> Improvement Project includes consultant services for Construction Engineering due to the scope of work in the industrial park area and the number of other construction projects taking place this summer. Qualifications and proposals were requested from multiple firms with two firms submitting: HR Green and Strand.

After a review of the submittals, qualifications and reference checks, staff selected HR Green to complete the work. Their scope of work, number of hours and hourly rates are consistent with similar previous projects and meet our project timeline. HR Green's team has the appropriate experience working with residents/businesses and the proposed Full Depth Reclamation process. The City has utilized HR Green for construction engineering services for the S. Tyler Road reconstruction and was pleased with the services provided.

The construction engineering services are a lump sum fixed fee not to exceed \$66,668.06.

**Attachments** *(please list):*

None

**Recommendation/Suggested Action** *(briefly explain):*

Recommendation to Approve Construction Engineering Agreement with HR Green for the 37<sup>th</sup> & 38<sup>th</sup> Avenue Roadway Improvement Project in the amount of \$66,668.06.

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.1

Title:

Recommendation to Approve Construction Contract for Pavement Rejuvenation

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$123,028

Budgeted Amount: \$125,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Historically the City's street maintenance program has consisted of a limited number of strategies that attempt to address a variety of maintenance considerations on a number of different pavement types, ages and conditions. In order to maintain the longevity of our pavements and to leverage the funding available it is important to have a holistic pavement management approach that includes a combination of pavement maintenance, rehabilitation and reconstruction. Roadway pavements that are repaired when they are in good condition will cost less over their lifetime than streets that are allowed to deteriorate to a poor condition, which require resurfacing or reconstruction.

Moving forward the City is beginning to expand the types of pavement strategies used to maintain our roadway pavements to help extend the life of the pavement. It is important to choose the right treatment, for the right road and the right time. We will be categorizing all roadway work into three category types, which are defined below:

1. **Preventative Maintenance** – Lower-cost treatments that are completed on newer roadways to retard the road's deterioration, maintain or improve the condition, and extend the pavement service life. Timely preventative maintenance can be 4 to 5 times more cost effective than delaying maintenance until resurfacing is needed. Currently the City is completes the following work in this category: Bituminous Spray Patching, Permanent Bituminous Patching and Temporary Patching. **Pavement Rejuvenation** - This year Staff is recommending adding Pavement Rejuvenation to our maintenance strategies, which is a spray on application that protects the roadway from weather or sun damage that can cause the pavement to become dry and brittle. Ideal roadway candidates are 0-5 years old. We are proposing to start the rejuvenation process on the roads that were resurfaced in 2014 and 2015. This application is being used by Kane County and many other local agencies.
2. **Rehabilitation** – Typical grind and overlay program (2017 Street Program)
3. **Reconstruction** – Highest cost option where the streets are beyond preventative or rehabilitation type maintenance. Historically the City has only completed traditional reconstruction, but this year has introduced the Full Depth Reclamation process.

The Pavement Rejuvenation work was bid out by Kane County earlier this year and they have a provision in their contracts to allow the local agencies to contract with their vendor at the same unit prices. Bids were received from two bidders with the unit prices for Corrective Asphalt Materials coming in at \$0.82/sy and the other bidder at \$0.84/sy.

**Attachments** (*please list*):

None

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to Approve Construction Contract with Corrective Asphalt Materials for the 2017 Pavement Rejuvenation Project in the amount of \$123,028.00.



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.m

Title:

Recommendation to Approve Budget Addition to the 7<sup>th</sup> Avenue Creek Project

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$705,300

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

The following properties are being proposed for acquisition as part of the 7<sup>th</sup> Avenue Creek Project:

- 304 S. 7<sup>th</sup> Avenue
- 116 S. 8<sup>th</sup> Avenue
- 15 9<sup>th</sup> Avenue
- 107 S. 10<sup>th</sup> Avenue
- 904 Fern Avenue
- 801 Illinois Avenue
- 718 Indiana Avenue
- 804 Indiana Avenue

Current available funding includes \$1,190,000, with the total cost to purchase the properties above at \$1,816,800 for a total budget addition of \$705,300.

**Attachments** (*please list*):

\* Budget Addition Form

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve a Budget Addition for the 7<sup>th</sup> Avenue Creek Project in the amount of \$705,300 for property acquisition.

By: \_\_\_\_\_

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.n

Title:

Recommendation to Approve Real Estate Purchase Agreement for 801 Illinois Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$195,000

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 801 Illinois Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$195,000, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 801 Illinois Avenue to the City of St. Charles in the amount of \$195,000 with Eric & Julie Wolfram with the Public Works Director authorized to execute all appropriate documents.





# City of St. Charles, Illinois

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## 801 Illinois Avenue

RAYMOND ROGINA *Mayor*  
MARK KOENEN *City Administrator*



Data Source:  
City of St. Charles, Illinois  
Kane County, Illinois  
DuPage County, Illinois  
Projection: Transverse Mercator  
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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.o

Title:

Recommendation to Approve Real Estate Purchase Agreement for 116 S. 8<sup>th</sup> Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$196,800

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 116 S. 8<sup>th</sup> Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$196,800, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 116 S. 8<sup>th</sup> Avenue to the City of St. Charles in the amount of \$196,800 with Charity Haman with the Public Works Director authorized to execute all appropriate documents.



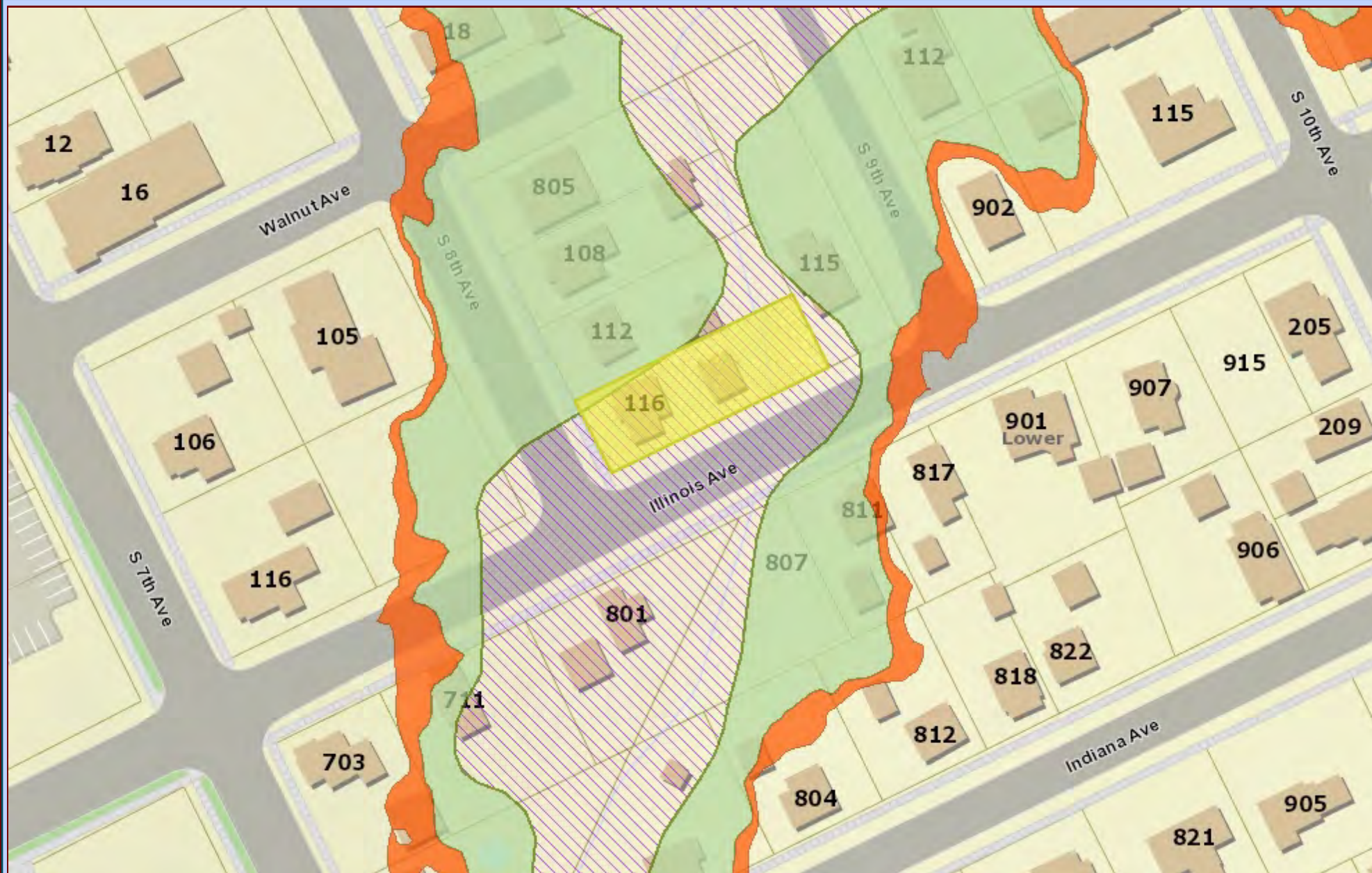


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## 116 S. 8th Avenue

RAYMOND ROGINA *Mayor*  
MARK KOENEN *City Administrator*



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City of St. Charles, Illinois  
Kane County, Illinois  
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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.p

Title:

Recommendation to Approve Real Estate Purchase Agreement for 107 S. 10<sup>th</sup> Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$175,000

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 107 S. 10<sup>th</sup> Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$175,000, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 107 S. 10<sup>th</sup> Avenue to the City of St. Charles in the amount of \$175,000 with Sean and Jennifer McAdams with the Public Works Director authorized to execute all appropriate documents.

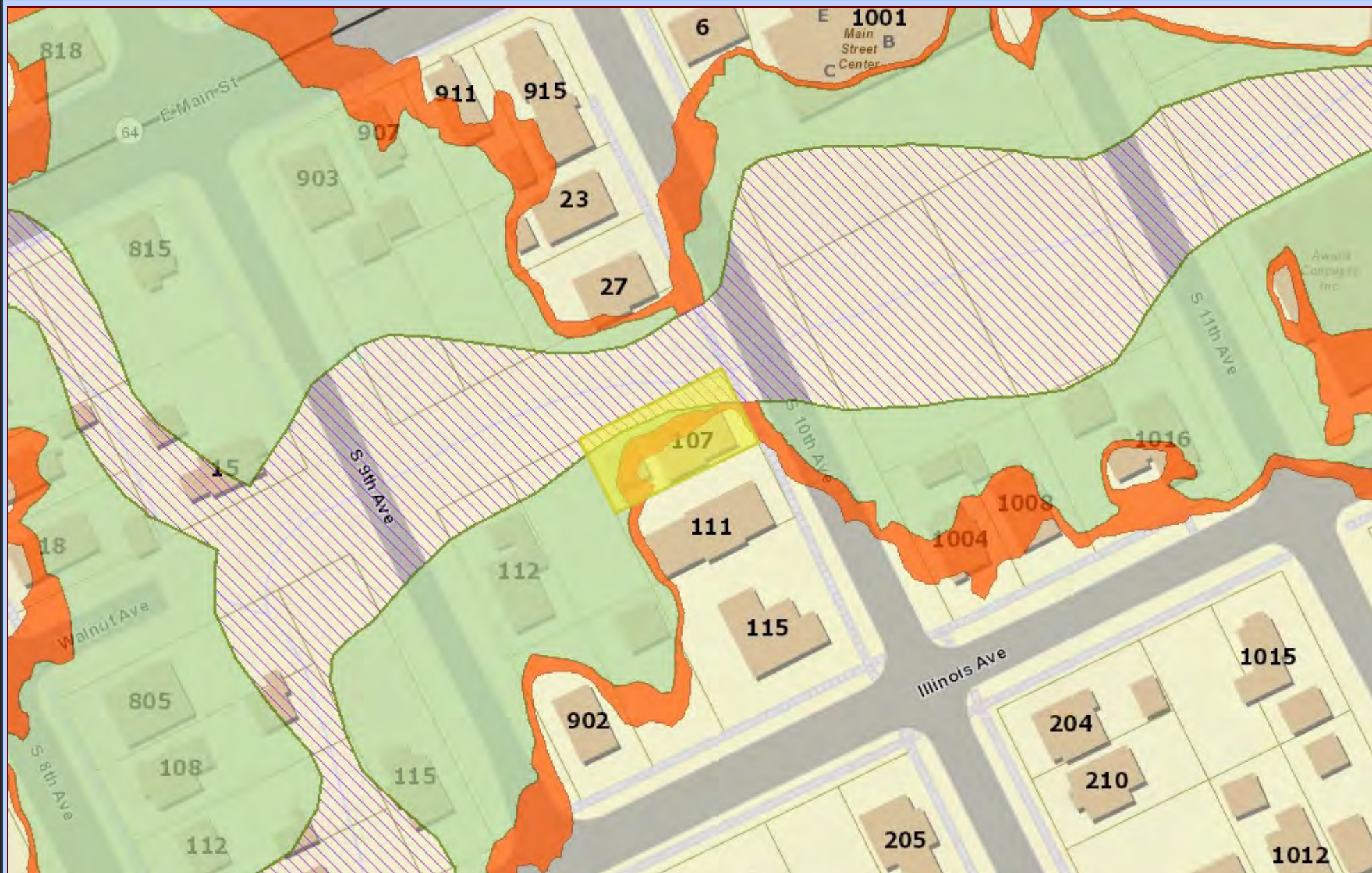


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## 107 S. 10th Avenue

RAYMOND ROGINA *Mayor*  
MARK KOENEN *City Administrator*



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City of St. Charles, Illinois  
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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.q

Title:

Recommendation to Approve Real Estate Purchase Agreement for 904 Fern Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$210,000

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 904 Fern Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$210,000, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 904 Fern Avenue to the City of St. Charles in the amount of \$210,000 with Terry Celaya with the Public Works Director authorized to execute all appropriate documents.





# City of St. Charles, Illinois

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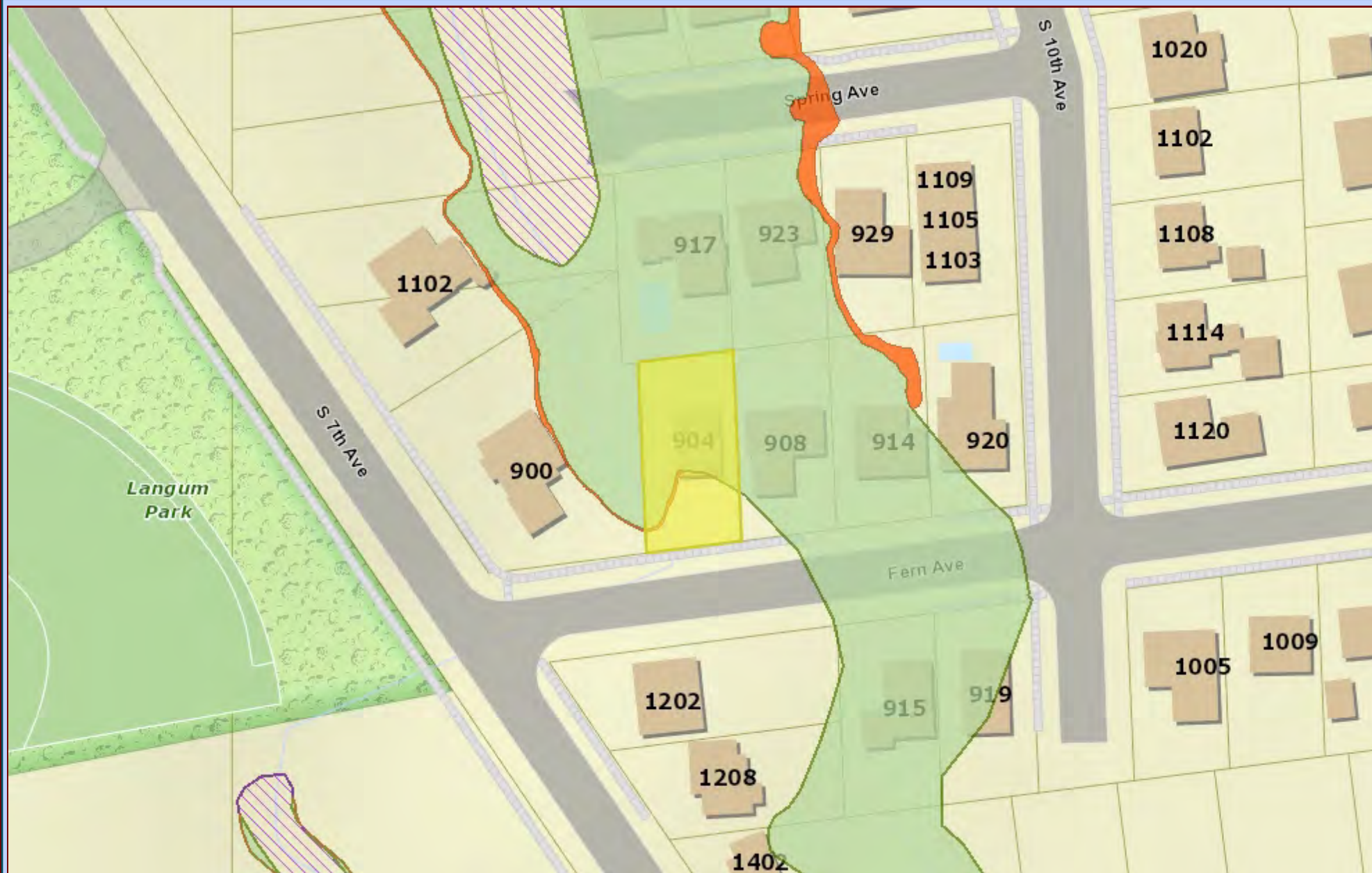
## 904 Fern Avenue

RAYMOND ROGINA

Mayor

MARK KOENEN

City Administrator



Data Source:  
City of St. Charles, Illinois  
Kane County, Illinois  
DuPage County, Illinois  
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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.r

Title:

Recommendation to Approve Real Estate Purchase Agreement for 15 S. 9<sup>th</sup> Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$225,000

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 15 S. 9<sup>th</sup> Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$225,000, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 15 S. 9<sup>th</sup> Avenue to the City of St. Charles in the amount of \$225,000 with Martin and Carolyn Hauschild with the Public Works Director authorized to execute all appropriate documents.





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15 S. 9th Avenue

RAYMOND ROGINA *Mayor*  
MARK KOENEN *City Administrator*



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City of St. Charles, Illinois  
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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.s

Title:

Recommendation to Approve Real Estate Purchase Agreement for 304 S. 7<sup>th</sup> Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$200,000

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 304 S. 7<sup>th</sup> Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$200,000, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 304 S. 7<sup>th</sup> Avenue to the City of St. Charles in the amount of \$200,000 with Jeff Dumas with the Public Works Director authorized to execute all appropriate documents.



# City of St. Charles, Illinois

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## 304 S. 7th Avenue

RAYMOND ROGINA *Mayor*  
MARK KOENEN *City Administrator*



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Kane County, Illinois  
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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.t

Title:

Recommendation to Approve Real Estate Purchase Agreement for 718 Indiana Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$215,000

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 718 Indiana Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$215,000, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 718 Indiana Avenue to the City of St. Charles in the amount of \$215,000 with Benjamin and Katherine Leckinger with the Public Works Director authorized to execute all appropriate documents.



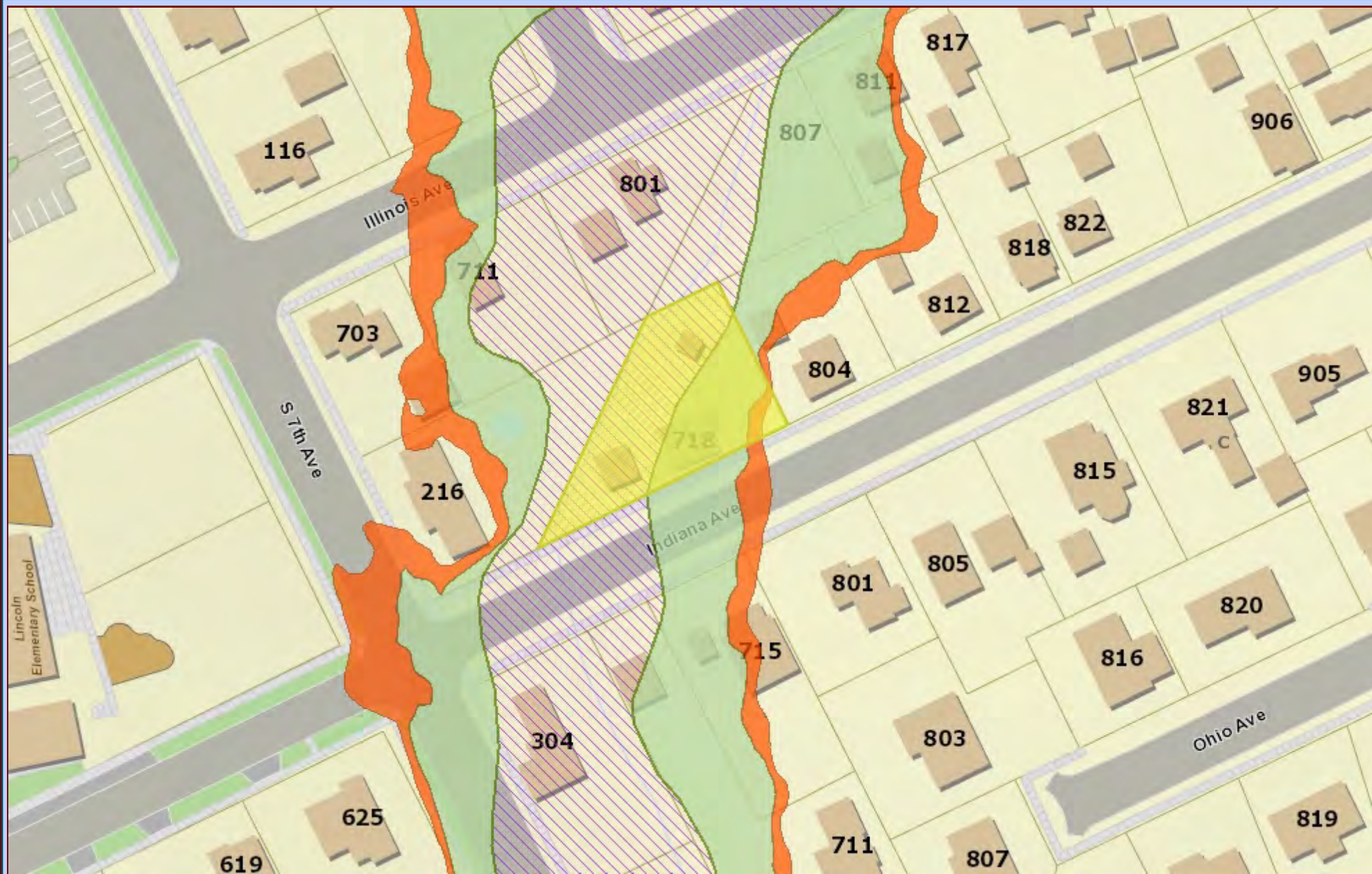


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## 718 Indiana Avenue

RAYMOND ROGINA *Mayor*  
MARK KOENEN *City Administrator*



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City of St. Charles, Illinois  
Kane County, Illinois  
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**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.u

Title:

Recommendation to Approve Real Estate Purchase Agreement for 804 Indiana Avenue

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$195,000

Budgeted Amount: \$1,190,000

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

Recommendation to purchase of the property located at 804 Indiana Avenue for the purpose of the 7<sup>th</sup> Avenue Creek Project. City ownership of this property would allow for the future improvements of the storm water conveyance in this area and the potential for modification of the 7<sup>th</sup> Avenue Creek to improve overall flood control. This land to be used as either open space or enhancement adjacent to the 7<sup>th</sup> Avenue Creek. This property is located within the 7<sup>th</sup> Avenue Creek project limits and the proposed Federal Emergency Management Association (FEMA) Floodplain map modifications.

The cost for the purchase of this property is \$195,000, not including closing costs. The closing costs are estimated at \$1,200 - \$1,500.

**Attachments** (*please list*):

\* Property Location Map

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Real Estate Agreement for 804 Indiana Avenue to the City of St. Charles in the amount of \$195,000 with Michael and Tonia Mowrer with the Public Works Director authorized to execute all appropriate documents.



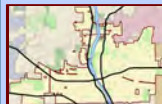
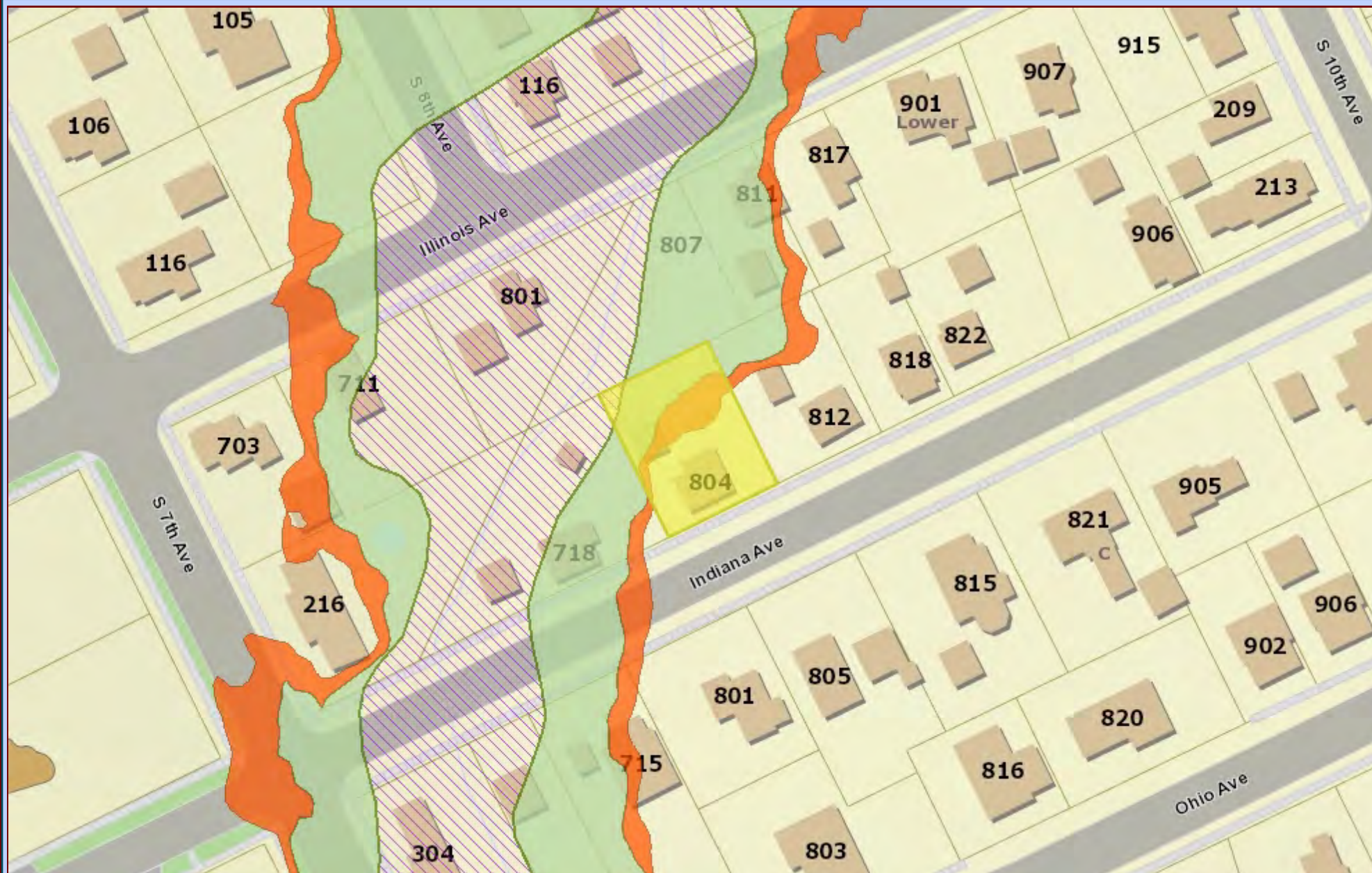


# City of St. Charles, Illinois

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## 804 Indiana Ave

RAYMOND ROGINA *Mayor*  
MARK KOENEN *City Administrator*



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Kane County, Illinois  
DuPage County, Illinois  
Projection: Transverse Mercator  
Coordinate System: Illinois State Plane East  
North American Datum 1983  
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Revised for Precision GIS



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 5.v

Title:

Recommendation to Approve Ordinance Updates to the City of St. Charles Code 15.101.150 B.7(i) – Permit and Inspection Fees

Presenter:

Karen Young

Meeting: Government Services Committee

Date: June 26, 2017

Proposed Cost: \$n/a

Budgeted Amount: \$n/a

Not Budgeted: ☐**Executive Summary** (*if not budgeted please explain*):

City Code 15.101 – Administration, Enforcement, Fees and Penalties, requires a few housekeeping updates to match the current practices followed by the City under Section 15.101.150 B.7(i) Permit and Inspection Fees.

**Attachments** (*please list*):

\* Ordinance revisions

**Recommendation/Suggested Action** (*briefly explain*):

Recommendation to approve Ordinance updates to the City of St. Charles Code 15.101.150 B.7(i) – Permit and Inspection Fees

**City of St. Charles, Illinois**  
**Ordinance No. 2017-M- \_\_\_\_\_**

**An Ordinance Amending Title 15 “Building and Construction”,  
Chapter 15.101 “Administration, Enforcement, Fees and Penalties”, Section  
15.101.150 B.7(I) “Permit and Inspection Fees”, of the St. Charles Municipal  
Code**

**BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ST. CHARLES,  
KANE AND DUPAGE COUNTIES, ILLINOIS, AS FOLLOWS:**

SECTION ONE: That Title 15 “Building and Construction” Chapter 15.101 “Administration, Enforcement, Fees and Penalties” Section 15.101.150B.7(I) “Permit and Inspection Fees”, of the St. Charles Municipal Code, be and is hereby amended as follows:

Any unit of Federal, State, or local government agency shall be exempt from filing fees and permit fees. Any Federal, State, or local government agency whom is legally exempt from filing a City Permit, shall not be required to obtain a permit for a connection to any City utility or other service. However, any unit of Federal, State, or local government agency that is exempt shall request an authorization for utility connection, building construction or other City service from the City and be subject to inspection of the utility connection by the City. The Federal, State or local government agency applicant shall be responsible for outside consultant services and miscellaneous fees, (i.e. re-inspection fees, temporary occupancy fees, connection fees, meter fees, electric utility design and installation fees, etc.)

SECTION FOUR:

That, after the adoption and approval hereof, this Ordinance shall (i) be printed or published in book or pamphlet form, published by the authority of the City Council of the City of St. Charles, or (ii) within thirty (30) days after the adoption and approval hereof, be published in a newspaper published in and with a general circulation within the City of St. Charles.

SECTION FIVE: This Ordinance shall be in full force and effect ten (10) days from and after its passage by a vote of the majority of the corporate authorities now holding office, approval and publication in the manner provided by law.

PRESENTED to the City Council of the City of St. Charles, Illinois, this \_\_\_\_ day of \_\_\_\_\_, 2017.

PASSED by the City Council of the City of St. Charles, Illinois this \_\_\_\_ day of \_\_\_\_\_, 2017.

APPROVED by the Mayor of the City of St. Charles, Illinois, this \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Raymond P. Rogina, Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

COUNCIL VOTE:

Ayes : \_\_\_\_\_

Nays : \_\_\_\_\_

Absent : \_\_\_\_\_