

Regular City Council Meeting

August 24, 2020

Agenda

7:30 p.m. **Call to Order**
Pledge of Allegiance
Roll Call
Approval of Minutes: August 10, 2020
Approval of Bills
Approval of Agenda

Public Comment

Discussion- Downtown

Fire Chief Report
Police Chief Report

- I. New Business**
 - 1. Acceptance of the State of Michigan Training Council burn building grant and purchase of the burn building**
 - 2. New Phone and Internet Provider for Police / Fire / City Hall**
 - 3. Phone Infrastructure Contract from Challenger Technologies**
 - 4. Road Assessment / Improvement Plan**

- II. Budget**
- III. Manager's Report**
- IV. Public Comment**
- V. Council Comments**
- VI. Adjournment**

Please see reverse side for rules of conduct for public comment at City Council meetings

City of South Lyon
Regular Council Meeting
August 10, 2020

Mayor Pelchat called the meeting to order at 7:30 p.m.
Mayor Pelchat led those present in the Pledge of Allegiance

Present: Mayor Pelchat, Councilmembers Dilg, Kennedy, Kurtzweil, Richards and Walton
Councilmember Kivell joined the meeting at 7:35 p.m.

Also present: City Manager Zelenak, Chief Sovik, Chief Vogel, Attorney Hamameh, and Clerk/Treasurer Deaton

MINUTES

CM 8-1-20 MOTION TO APPROVE MINUTES

Motion by Kennedy, supported by Walton
Motion to approve the minutes as presented

VOTE: MOTION CARRIED UNANIMOUSLY

BILLS

CM 8-2-20 MOTION TO APPROVE BILLS

Motion by Kennedy, supported by Dilg
Motion to approve the bills as presented

VOTE: MOTION CARRIED UNANIMOUSLY

AGENDA

Mayor Pelchat stated we needed to add an item for the ballot proposal language under Old Business

CM 8-3-20 MOTION TO ADD OLD BUSINESS- RESOLUTION FOR BALLOT PROPOSAL LANGUAGE

Motion by Kurtzweil, supported by Kennedy
Motion to add under old business the requests for approval the resolution for ballot proposal proposition to the County Clerk

VOTE: MOTION CARRIED UNANIMOUSLY

CONSENT AGENDA

1. Resignation of Josie Kearns from Cultural Arts Commission
2. Resignation of Joe Matuzak from Cultural Arts Commission
3. Appointment of Dayna Johnston to the Cultural Arts Commission

CM 8-4-20 MOTION TO APPROVE THE CONSENT AGENDA

Motion by Walton, supported by Kivell
Motion to approve the consent agenda as presented

VOTE: MOTION CARRIED UNANIMOUSLY

PUBLIC COMMENT- None

DISCUSSION- Downtown

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Nate Mack, the Director of the DDA stated most of the shop local, dine local banners are in the downtown. He stated there are some delays but we are hoping to get 3 more installed on Wednesday of this week. He stated he, Andrea Meyer, and Tina Archer to present to the Michigan Downtown Association on the 18th of this month regarding the task force campaign. He stated outside of the taskforce, he has been looking at advertising on Instagram and things like that. He stated some of the downtown businesses have over 1,000 followers. He stated we are waiting for the Patronicity funds from the County. He further stated he presented 5 letters of recommendation to local businesses seeking grant funding from the Heartbeat of America program. Councilmember Kivell asked if there is a banner in mind to adorn the corridor coming into a town. Mr. Mack stated they are working on getting a shop local and dine local banner.

FIRE CHIEF REPORT

Chief Vogel stated Chief Weir is officially back to full duty today. He stated he is waiting for the official report on the ladder truck and what repairs are needed. He stated they passed their EMS inspection. He stated they also received word they received the grant for the training building for approximately \$5,000.

POLICE CHIEF REPORT

Chief Sovik stated there was an event in town called Voices over Choices and about 80 people attended at 4:00 p.m. today in town. He stated it lasted about an hour and they were expressing their displeasure of the School Board decision to have virtual learning. He then stated he is hoping to have more information to Council at the next meeting regarding the Comcast contracts to solve the issues they are having with the phone lines. He stated he received 2 checks for grants, one for \$6,000 for in-car cameras, and \$5,700 for the data storage project. He then stated he wanted to give Lt. Doug Baaki for the heavy position he carries at the department and he does a great job and he is comfortable leaving Lt. Baaki in charge when he isn't here.

OLD BUSINESS

1. Request for approval to submit resolution approving proposed charter amendment ballot proposition to the County Clerk

Attorney Hamameh stated Council authorized language to be presented to the Attorney General and the Governor's Office for approval before it is placed on the ballot. She stated the Attorney General's office has given tentative approval. She stated she spoke with someone from the Governor's Office and they are expecting the Governor to sign off on this Wednesday. The deadline is Tuesday the 11th, so she is suggesting we move forward with this because it is highly unlikely that the Governor will disagree with the language. Councilmember Dilg asked what will happen if it is rejected after it is submitted. Attorney Hamameh stated the AG's office and the Governor's office was surprised to hear that Oakland County said the deadline to submit or pull is 4:00 p.m. due to the fact there are many communities looking to do ballot propositions that aren't as far ahead as we are.

CM 8-5-20 MOTION TO AUTHORIZE SUBMISSION OF BALLOT PROPOSAL RESOLUTION

Motion by Kurtzweil, supported by Dilg

Motion to authorize submission of the Resolution approving proposed Charter amendment ballot proposal to the County Clerk on Augusts 11, 2020

ROLL VOTE:

Dilg- Yes
Walton- Yes
Kurtzweil- Yes
Kennedy- Yes
Kivell- Yes
Richards- Yes

Pelchat- Yes

MOTION CARRIED UNANIMOUSLY

NEW BUSINESS

1. Agreement for 390 S Lafayette Street preliminary geotechnical investigation (soil borings) with G2 Consulting Group of Troy, Michigan

Nate Mack, DDA Director stated the City of South Lyon has identified the parcel located at 390 S Lafayette St as a site for potential development in the master plan. He stated part of the development process is determining if whatever the soil is made of, if it can basically handle the weight of a building. He stated the company G2 will be drilling two holes that go 60 feet down and tests the soil at different intervals. He stated G2 was the lowest of the two bids we received. Councilmember Richards stated because it is municipally owned, we have to go through with this, and this is a cheap price, there is a lot of peat down there and the grade of the peat is top grade. It may be to our advantage to get the solid dirt for our own use in the future.

CM 8-6-20 MOTION TO APPROVE AGREEMENT WITH G2 CONSULTING

Motion by Kennedy, supported by Dilg

Motion to approve the agreement with G2 Consulting Group for the preliminary geotechnical investigation at 390 S Lafayette Street for a total amount of \$4,325 under line item 101.440.801

ROLL CALL VOTE:

Kivell- Yes

Kennedy- Yes

Kurtzweil- Yes

Dilg- Yes

Walton- Yes

Richards- Yes

Pelchat- Yes

MOTION CARRIED UNANIMOUSLY

2. Purchase of a well house structure for the offset pump at well site #6 as outlined in previous agenda to match the already placed well house at pump station #4

Superintendent Varney stated the pump for well #6 is fenced in and has no structure to protect the pump. He stated the previous quote from Jim's Amish Structures included two structures in order to have #6 well matched to the #4 well site. He then stated this item can be purchased utilizing account 592.556.931. Councilmember Kivell stated he is hoping we can modify the buildings with a steel door to make them more secure. Superintendent Varney stated they are currently working on that.

CM 8-7-20 MOTION TO APPROVE PURCHASE OF NEW STRUCTURE FOR PUMP AT WELL #6

Motion by Kivell, supported by Kennedy

Motion to approve the purchase of a new structure for the pump at well #6 for the amount of \$6,152.60 plus applicable crane rental fees under line item 592.556.931

ROLL CALL VOTE:

Richards- Yes

Kurtzweil- Yes

Walton- Yes

Dilg- Yes

Kivell- Yes

Kennedy- Yes

Pelchat- Yes

MOTION CARRIED UNANIMOUSLY

3. Purchase and installation of a new 12" air cushioned swing check valve for failed valve at the water treatment plant

Superintendent Varney stated the water treatment plant needs to replace a check valve that was found to have failed. He stated the valve will allow the plants pumps to cycle in an automated mode and the water cannot be pumped properly without this valve working. He then stated this can be purchased out of account 592.556.801 Councilmember Kennedy thanked Doug for answering his questions over the weekend.

CM 8-8-20 MTOION TO APPROVE SWING CHECK VALVE FOR \$11,800

Motion by Kennedy, supported by Walton

Motion to approve the purchase and installation of a new check valve for the water treatment plant for \$11,800 by Northern Pump and Well under line item 592.556.801

ROLL CALL VOTE:

Walton- Yes
Kurtzweil- Yes
Dilg- Yes
Richards- Yes
Kennedy- Yes
Kivell- Yes
Pelchat- Yes

BUDGET

Mayor Pelchat stated we have been trying to work with the schools with replacing the media equipment in the media room, but we haven't been successful as of yet. Some of the equipment is very old and will be hard to replace, and hard to find someone that knows how to work on them. He then asked the City Manager to check in with the schools and speak with them about their bond issue passing and if they will be interested in trying to work together to replace the equipment. Councilmember Kivell stated that is a good suggestion.

MANAGER'S REPORT

City Manager Zelenak stated he wanted to remind everyone about the zoning rewrite and he hopes Council has been able to look through the changes the Planning Commission is requesting. City Manager Zelenak reminded everyone how important the census is and he hopes everyone will be counted. He then stated there has been an increase in Covid cases reported by the health department but no other information has been offered other than they are trying to attribute them to a few things that happened in the Township. He stated he has been working on a draft for the RFP for the building at 318 W Lake St. He stated the final development agreement approval will come before Council for approval. He stated the agreement reflects the requirement to build a home that is conducive with the surrounding homes. He stated the development packet will be available on our website. He stated he has been working on our capital improvement plan and in particular, sidewalks and trailway improvements. He is hoping the Township will partner with us in making some of the improvements.

Councilmember Dilg asked how the agreement worked with the County running our absentee ballots. Clerk Deaton stated it worked out really well. They picked up all absentee ballots that were returned to the Clerk's office around 5:30 previous to Election Day. Two of our Election Inspectors met at the County around 6:15 on Election Day for preparation to begin processing ballots. The County reported they processed 50,000 absentee ballots on Election Day and they didn't have any issues.

Councilmember Kivell asked if the City Manager has spoken with any of the residents near 318 W Lake Street. City Manager Zelenak stated he has spoken with a few of the residents that were concerned that someone would build something that doesn't fit in with the surrounding neighborhood. He stated everyone

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seems very happy about the plan. Councilmember Richards asked what if the prospective bidder wants to build a house, and live there. That is different than putting it on the market. City Manager Zelenak stated he doesn't have a problem if someone wants to build there and use it for their own purpose.

PUBLIC COMMENT- None

COUNCIL COMMENTS

Councilmember Richards stated he ran into Pipetek in town and he spoke with them. He stated he asked if they were going to be using cameras as they go through the lines and they said they did. He further stated they were very friendly and he let them know about the drainage issues the City has always had.

Councilmember Dilg thanked Josie and Joe for all their time on the Cultural Arts Commission. She then welcomed Dayna Johnston to the Cultural Arts Commission. She then thanked Lisa Deaton and all the office staff for all their work during the Election. She stated she can't imagine all the hard work it was with the increase in the number of absentee ballots along with the issues of the ballots not being delivered. She stated many people have told her about the friendliness of the staff when they came into the office to report they spoiled their ballot, or requesting a ballot. She then commended the participation of everyone at the event that was held in South Lyon today, and she can't imagine having small children and making the decisions parents are having to make regarding their schooling. She then stated she feels for the school board members that are in a school board meeting tonight making a tough decision. She stated they are reading over 70 emails and her heart goes out to them.

Councilmember Kurtzweil stated she spoke with Josie and Joe and she thanked them personally for all their time they spent on the Cultural Arts Commission. She then thanked the City for moving so quickly with appointing Dayna so the commission will again have a quorum. She then stated she had some friends that attended the voices for choices event and that is a big thing, we have choices. She stated the frustrating thing is they have to deal with people that have two different ideologies but people respond better when they have choices. She further stated when she is given a choice, things usually work out ok. She then stated we have to learn to live with Covid-19. It isn't going to go away; we need to continue to wash our hands and wear masks. Masks mean freedom. We will get through this.

Councilmember Walton thanked Josie and Joe for all the amazing things they have done for our City and they will be missed. Dayna will be a great asset on the Commission and she can't wait to see the great things she will bring.

Councilmember Kennedy reminded everyone to complete their census questionnaire. The deadline for being counted is September 30th. Please go to **2020census.gov** and complete it today. He then asked everyone to please check with your neighbors and friends to remind them to do it as well. Time is running out to be counted. The amount of money that is allocated to the city based on the census will be even more critical for the next 10 years considering the current economic conditions and situation.

Councilmember Kivell stated the last numbers he seen was that the City is missing 18% of the residents. He further stated 18% is a huge number and everyone needs to be counted to help address some of the road issues. Councilmember Kivell stated he heard the City is trying to assist with getting low branches out of roadways and sidewalks. He stated when you are riding your bike and you get whipped by branches because they hang over the sidewalk too much isn't acceptable. He further stated our Ordinance

Officer seems to be working on this and he is happy about that. He further stated he hopes homeowners will step up to the plate, and keep their branches and bushes trimmed out of the right of way. Mayor Pelchat stated the Ordinance Officer does a great job and it is a thankless job. Mayor Pelchat thanked Josie and Joe for all the things they did for the Cultural Arts Commission. They have been an incredible asset for them. He then said Dayna Johnston will be a great fit for the City. He stated he stopped in at the polls to say hi to everyone and he thanked all the inspectors and the voters. He then stated the flags are up as well as in the township. He stated it is a great reminder to keep our dollars in our community.

CLOSED SESSION- Closed session pursuant to Section 8© of the Open Meetings Act, MCL 15.268© to discuss strategy and negotiations for a collective bargaining agreement between the City of South Lyon and the police unions, POAM, POLC and the AFSCME union at 8:22 p.m.

CM 8-9-20 MOTION TO ENTER INTO CLOSED SESSION

Motion by Kennedy, supported by Dilg

Motion to enter into - Closed session pursuant to Section 8© of the Open Meetings Act, MCL 15.268© to discuss strategy and negotiations for a collective bargaining agreement between the City of South Lyon and the police unions, POAM, POLC and the AFSCME union at 8:22 p.m.

ROLL CALL VOTE:

Kivell- Yes

Kennedy- Yes

Kurtzweil- Yes

Dilg- Yes

Walton- Yes

Richards- Yes

Pelchat- Yes

MOTION CARRIED UNANIMOUSLY

Council reconvened the regular Council Meeting at 9:24 p.m.

CM 8-10-20 MOTION TO APPROVE POAM UNION CONTRACT

Motion by Kennedy, supported by Walton

Motion to approve the POAM union contract July 1, 2020 thru June 30, 2024

ROLL CALL VOTE:

Richards- Yes

Walton- Yes

Dilg- Yes

Kurtzweil- No

Kennedy- Yes

Kivell- Yes

Pelchat- Yes

MOTION CARRIED

CM 8-11-20 MOTION TO APPROVE POLC CONTRACT

Motion by Kivell, supported by Kivell

Motion to approve the POLC union contract between July 1, 2020 and June 30, 2024

ROLL CALL VOTE:

Walton- Yes

Kurtzweil- No

Dilg- Yes

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Richards- Yes
 Kennedy- Yes
 Kivell- Yes
 Pelchat- Yes
MOTION CARRIED

CM 8-12-20 MOTION TO APPROVE AFSCME UNION CONTRACT

Motion by Kennedy, supported by Dilg

Motion to approve AFSCME union contract between July 1, 2020 and June 30, 2024

ROLL CALL VOTE:

Dilg- Yes
 Walton- Yes
 Kurtzweil- Yes
 Kennedy- Yes
 Kivell- Yes
 Richards- Yes
 Pelchat- Yes
MOTION CARRIED UNANIMOUSLY

ADJOURNMENT

CM 8-13-20 MOTION TO ADJOURN

Motion by Kurtzweil, supported by Kennedy

Motion to adjourn at 9:27 p.m.

VOTE:

MOTION CARRIED UNANIMOUSLY

Respectfully submitted,

 Mayor Dan Pelchat

 City Clerk/Treasurer Lisa Deaton

AGENDA NOTE

New Business: Item # /

MEETING DATE: August 24, 2020

PERSON PLACING ITEM ON AGENDA: Fire Chief Robert Vogel

AGENDA TOPIC: Acceptance of the State of Michigan Training Council burn building grant and purchase of the burn building.

EXPLANATION OF TOPIC: SLFD has received a grant from the State of Michigan Training Council for the amount of \$4,700.00 (\$5,018.00) to purchase two shipping containers to be utilized as a firefighter training building.

MATERIALS ATTACHED AS SUPPORTING DOCUMENTS: MFFTC Grant award letter, SLFD submitted application, three (3) submitted quotes, container picture, and WWTP map.

POSSIBLE COURSES OF ACTION: Approve/do not approve the receipt of the State of Michigan Training Council burn building grant and purchase of the burn building.

SUGGESTED MOTION:

Motion by _____, supported by _____ to approve the grant from State of Michigan Training Council for the amount of \$4,700.00, to be deposited to 101-000.000-698.600 (Fire Grant Account) to purchase two shipping containers for the purpose of a firefighter's burn building from Capital Equipment Account 101-335.000-978.000.



STATE OF MICHIGAN

GRETCHEN WHITMER
GOVERNOR

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

ORLENE HAWKS
DIRECTOR

Memorandum

DATE: February 12, 2020
TO: FY20 MFFTC Grant Award Recipients
FROM: Kevin J. Sehlmeier, State Fire Marshal/Director
CC: Michigan Fire Fighters Training Council
SUBJECT: FY20 MFFTC Training/Equipment/Prop Grant Awards

Please be advised the Michigan Fire Fighters Training Council (MFFTC) approved the following grant applications during their regular meeting on February 11, 2020.

Romulus Fire Department	\$ 800.00
Clare Fire Department	\$ 2,500.00
Marlette Fire Department	\$ 3,450.00
Addison Twp. Fire Department	\$ 3,680.00
Farmington Fire Department	\$ 4,000.00
Allendale Fire Department	\$ 4,500.00
Chesterfield Twp. Fire Department	\$ 5,000.00
Hamburg Twp. Fire Department	\$ 7,500.00
Bertrand Twp. Fire Department	\$ 8,300.00
Beaver Creek Fire Department	\$ 8,850.00
Bay City Department of Public Safety	\$ 9,000.00
Novi Fire Department	\$ 9,310.00
Peninsula Twp. Fire Department	\$ 9,500.00
Kalamazoo Department of Public Safety	\$ 9,600.00
Battle Creek Fire Department	\$ 9,989.00
Higgins Twp. Fire Department	\$ 10,000.00
Perry Fire Department	\$ 10,000.00
Lansing Twp. Fire Department	\$ 10,000.00
Muskegon Twp. Fire Department	\$ 10,000.00
Southfield Fire Department	\$ 10,000.00
Armada Twp. Fire Department	\$ 10,000.00
Ann Arbor Fire Department	\$ 10,000.00
TOTAL FUNDS AWARDED:	\$165,979.00

Additional funds that are returned to the Bureau of Fire Services will be used to fund the following grant applications in the order below:

South Lyon Fire Department	\$ 5,018.00
Dalton Twp. Fire Department	\$ 8,400.00
Alpena Fire Department	\$ 9,138.36
White Pigeon Fire Department	\$10,000.00
Belleville Fire Department	\$ 5,000.00
Sturgis Fire Department	\$ 5,300.00
Hamilton Fire Department	\$ 5,423.70
Marquette Twp. Fire Department	\$ 7,288.55
Algonac Fire Department	\$ 8,000.00
Manistee Twp. Fire Department	\$ 9,500.00
Richland Twp. Fire Department	\$ 9,688.00
Stanton Twp. Fire Department	\$ 4,677.79
Saugatuck Twp. Fire Department	\$10,000.00
TOTAL FUNDS TO BE AWARDED	
AS FUNDING BECOMES AVAILABLE	\$97,434.40

Funding and Scheduling:

Approved grant funding will be transferred to the county of the primary applicant via the SMOKE program. Upon receipt of the funds, a course manager must enter the course and/or equipment/prop to allocate the funding. Please be sure to use the appropriate course code (i.e. A25D, Q02B, etc.) and **schedule the course by March 31, 2020**. If your application included an equipment/prop purchase, please enter course code M11A and PIN 784250 as the instructor of record.

Bid Process for Equipment/Props:

The following are the requirements for purchases using State of Michigan funds. Please also ensure that you follow all local/departments purchasing rules when purchasing the equipment/props.

- **Equipment/Props \$2,500 to \$9,999:**
 1. When the cost of the equipment/props exceeds \$2,500 and is up to \$9,999, three (3) price quotes are required.
 2. The three (3) quotes will need to be submitted to the LARA-BFS-Grants@michigan.gov inbox with a justification on why you selected the chosen vendor. Please indicate the course code and the name of the county purchasing the equipment/prop in the subject line of your email.
 3. Your region coordinator will contact you within three (3) business days of receipt of your email to the LARA-BFS-Grants@michigan.gov inbox with the three (3) quotes and the justification for the chosen vendor.
 4. Once your region coordinator has evaluated your quotes, you will receive an approval or denial email.
 5. Once you have received approval from your region coordinator, you may purchase the equipment/props.

- **Equipment/Props \$10,000 or more:**

1. When the cost of the equipment/prop is \$10,000 or more the request must go out for official request for proposal (RFP). Anyone can bid and the RFP must remain open for at least 14 calendar days.
2. A copy of the RFP, the results of the RFP and a justification on why you selected the chosen vendor must be emailed to the LARA-BFS-Grants@michigan.gov inbox. Please indicate the course code and the name of the county purchasing the equipment/prop in the subject line of your email.
3. Your region coordinator will contact you within three (3) business days of receipt of your email to the LARA-BFS-Grants@michigan.gov inbox with the RFP, bids and justification for the chosen vendor.
4. Once your region coordinator has evaluated your bids you will receive an approval or denial email.
5. Once you have received approval from your region coordinator you may purchase the equipment/props.

As a reminder, all courses using FY20 funds must be finalized by September 30, 2020. All equipment/props using FY20 funds must also be received by September 30, 2020. If you are unable to complete the process by the required deadline, please advise your region coordinator as soon as possible so that FY20 funds may be transferred to the next applicant on the funding list as approved by the MFFTC at the February 11, 2020 meeting.

If you have questions, please contact your region coordinator.

Dan Hammerberg
Region 1 Coordinator
Phone: 906-399-4399
Email: hammerbergd@michigan.gov

T.J. Richardson
Acting Region 2 Coordinator
Phone: 517-285-6803
Email: richardsont14@michigan.gov

FY20 MFFTC TRAINING/EQUIPMENT/PROPS GRANT APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, PO Box 30700, Lansing, MI 48909
Email: LARA-BFS-GRANTS@MICHIGAN.GOV
Phone: 517-241-8847

Please see the FY20 Michigan Fire Fighters Training Council (MFFTC) Grant Program memo for details. All FY20 MFFTC Training/Equipment/Props Grant Applications must be submitted via email to LARA-BFS-GRANTS@michigan.gov by 5:00 p.m. on January 31, 2020. Each grant application will be reviewed by the Bureau of Fire Services' staff for completeness. Only grant applications that meet the specified requirements will be forwarded to the MFFTC for funding consideration.

SECTION I			
Name of Applicant: <i>Cynthia Conrad</i>		Pin Number: <i>768001</i>	Date: <i>1-29-2020</i>
Name of Fire Department: NFIRS #: <i>South Lyon FD 63-38</i>		County: <i>Oakland</i>	
Fire Department Street Address: <i>217 Whipple St</i>			
City: <i>South Lyon</i>	State: <i>MI</i>	Zip Code: <i>48178</i>	Email: <i>cconrad@southlyonmi.org</i>
Applicant Phone Number: <i>248-437-2616</i>		Alternate Number: <i>[REDACTED]</i>	
SECTION II			
Course / Project Name: <i>Multi use training facility</i>		Amount Requested: <i>\$5018</i>	
Application Questions: Please attach your responses as a separate document.			
<ol style="list-style-type: none"> 1. Please share (using 50 words or less) what you intend to do with your FY20 MFFTC Training/Equipment/Props Grant and how you will use this training and/or equipment/prop? 2. How much money are you requesting to fund your grant? 3. Please share in detail (using 500 words or less): <ol style="list-style-type: none"> a. Why this FY20 MFFTC Training/Equipment/Props Grant is important to elevating or expanding the firefighting skills of your members? b. How long has your department been pursuing this training opportunity or trying to obtain the equipment/prop? c. Have you pursued other grants or funding options? If yes, please explain. 			
Applicable NFPA Standard(s): <i>N/A</i>		Curriculum / Q-Course Number: <i>N/A</i>	
Total Capacity per Class: <i>N/A</i>		Total Hours per Class: <i>N/A</i>	
Instructor Name(s): <i>Cynthia Conrad</i>			
SECTION III			
Applicant Signature: <i>Cynthia Conrad</i>		Date: <i>01-29-2020</i>	
Name of Applicant: <i>Cynthia Conrad</i>		Email: <i>cconrad@southlyonmi.org</i>	
Fire Chief Signature: <i>Robert Vogel</i>		Date: <i>01-29-2020</i>	
Name of Fire Chief: <i>Robert Vogel</i>		Email: <i>firechief@southlyonmi.org</i>	
BFS USE ONLY			
Course ID	Tracking Number	Course Manager	MM/DD/YYYY

FY20 MFFTC Training/Equipment/Prop Grant

1. If awarded the MFFTC training grant we would purchase two 8x40 shipping containers and build a multi-use training facility that would be used for live fire training, search and rescue drills, thermal imaging, forcible entry, and countless other trainings. The facility would be utilized by multiple departments.
2. Requested funding: \$5,018.00. Cost of each container is \$2,350 with \$318 delivery and set-up.
3. South Lyon is a city in southwestern Oakland County, in metropolitan Detroit. The South Lyon Fire Department is a paid-on-call fire department that has served the City of South Lyon since 1893. The department is led by a part-time fire chief who also serves as the main administrator. Two on-call employees staff the fire station on weekdays from 7:00 AM to 5:00 PM and Saturdays from 10:00 AM to 8:00 PM. All other hours are exclusively on-call. Due to its geographic location in the southwest corner of Oakland County, the South Lyon Fire Department has automatic and mutual aid agreements with departments in Washtenaw and Livingston Counties and is part of the Mutual Aid Box Alarm System (MABAS) section 3201 in Oakland County. All fire suppression staff are trained in Firefighter I & II and all fire officers are trained at a minimum in Fire Officer I & II through the Michigan Fire Fighters Training Council. Additionally officers must complete 50 online hours of Blue Card Command training with several officers having completed the live simulation lab becoming Blue Card Certified. The department is also trained and equipped to a confined space operations level to provide stand-by and rescue support to the city's Department of Public Works and wastewater treatment facility. Currently the closest training facility is 10 minutes outside the city and requires training nights to be split up into multiple nights to ensure the city maintains emergency coverage. The proposed multi-use training facility would be in the city and be utilized by South Lyon Fire and the multiple departments that we regularly assist. The realistic setting would provide for more specialized drills and evolutions allowing us to learn new firefighting skills, hone previously taught skills, and provide a medium for the development of training for future CE's required by Firefighter Training Council Act PA 291.

The South Lyon Fire Department has been researching a multi-use training facility since early 2019. We have secured a location in the city and preparing the land will be completed by South Lyon DPW employees. All other interior preparation will be done by fire staff volunteering their time.

We have not pursued any other grants for this project. We have, however reached out to local businesses for material donations including wood studs and drywall for interior building construction.

Containers4Sale LLC
 1150 Atlantic St. #238
 Milford, MI 48381
 800-870-1009 /
 248-397-5201
 jcarrico@Containers4

Date	6/22/2020
Estimate #	E202006-932
Terms	
Valid Until	6/22/2020

CUSTOMER
South Lyon Fire Department 217 Whipple St, South Lyon, MI 48178

SHIP TO
South Lyon Fire Department 217 Whipple St, South Lyon, MI 48178

NOTE: Due to the current market situation and availability, pricing can change without notice. All equipment is quoted on first come first served basis.

DESCRIPTION	PRICE	QTY	TOTAL
40' Used High Cube Container, Weather Tight, Dry Condition 12 month No Roof Leak warranty	2,150.00	2	4,300.00
Delivery - includes 30 minutes of site time to place your container, additional time if needed will be billed separately. The site and access to the site must be firm and level.	200.00	2	400.00

- 1) Unless otherwise noted Containers are wind & water tight at delivery and sold as is. Issues must be reported to the driver before departure.
- 2) Delivery pricing is based on clear and open site accessible by our standard trucks; 80' clear space is required to unload a single 20' container and 100' of clear space is required to unload a 40' container. Please advise if additional equipment is needed to unload the containers. The surface must be firm as determined by our driver
- 3) Our drivers operate in a safe and responsible manor, however we cannot be responsible for damage including but not limited to cracked or broken driveways, curbs, sidewalks or disturbed grade.
- 4) Delivery quote based on 30 min. to unload and place container. Additional time on site will be billed at \$50 per half hour.
- 5) Purchaser shall remove all previous ownership markings and identification plates.
6. All quotes are based on a first come first serve basis, availability and pricing can change without notice.

Subtotal	\$4,700.00
Sales Tax (0.0%)	\$0.00
Total	\$4,700.00

Accepted:



Shipped.com Corporation (World Headquarters)
1 Maritime Square, Harbourfront Centre, Singapore 099253
+1 503-SHIPPED sales@shipped.com <https://shipped.com>

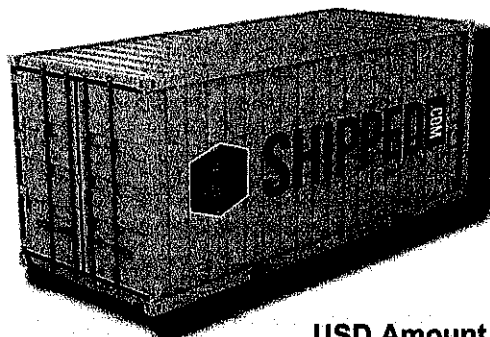
Local Offices: ■ Americas ■ South Africa ■ Asia ■ Europe ■

South Lyon FD
Robert Vogel
217 Whipplw
South Lyon, MI 48178 USA

248-437-2616
firechief@southlyonmi.org

Invoice 8033048

Monday, June 22nd, 2020



Item	USD Amount
2 x 40' High Cube WWT Shipping Container	\$2197/ea
Professional Tilt-Bed Tractor Trailer Ground Delivery To 48178	\$349/ea
Federal Government 5% Discount	\$-255
Terminal Fees, Delivery Insurance, Surcharges, Port Charges, Etc.	All Included
TOTAL	\$4,837

Please pay total amount upon receipt of this invoice:

CASH / M.O. / CHECK deposits at:
Any Chase Bank USA location:
Account Holder: Shipped.com
Account Number: 502-010-603
Please save the deposit slip.

CHECKS can also be uploaded & processed electronically (no mailing is necessary):
Make checks payable to: Shipped.com
Memo/Reference: Order 8033048
On the back side of your check write:
"FOR DEPOSIT ONLY SHIPPED.COM"
After preparing, upload the check photos to:
<https://shipped.com/cart/8033048/e3a7473>

ACH / ELECTRONIC FUNDS TRANSFERS can be sent to our Chase Bank account:
Account Holder: Shipped.com
Account number: 502-010-603
Routing number: 322271627

ONLINE SHOPPING CART / CHECKOUT:
<https://shipped.com/cart/8033048/e3a7473>

USA WIRE Remittance Details:
Chase Bank, 9465 Wilshire Blvd,
Beverly Hills, CA 90212 USA
Account Holder: Shipped.com
Account Number: 502-010-603
ABA/Routing Number: 322271627
Memo: Shipped.com Order 8033048

INTERNATIONAL WIRE details:
DBS Bank, 12 Marina Blvd, MBFC Tower
3, Singapore 018982.
SWIFT/BIC Code: DBSSSGSG Account
Name: Shipped.com Corporation
Account Number: 0048-0069-6112-8022
Memo: Shipped.com Order 8033048

BITCOIN payments accepted. Contact
sales@shipped.com for our unique block
chain address to send your BTC to.

CREDIT CARDS & PayPal are accepted:
<https://shipped.com/cart/8033048/e3a7473>

PO / NET 15 TERMS are available for
Large Corporations & Government.
contact sales@shipped.com for details.

This invoice is subject to and governed by the attached page 2 terms and conditions, which are also available upon request.



Detroit
52500 Pontiac Trail
Wixom, MI 48393
PH: (248) 717-2531
FAX: (248) 717-2536

Purchase Agreement No: SFQ-553104
Purchase Agreement Date: 04-27-2020
Purchase Agreement Expires: 7 days
Sales Consultant: Robert Callahan
Email: rcallahan@pacvan.com

Billing Information

South Lyon Fire Department
Rob Vogl
Not Provided
South Lyon, MI 48178
Ph: (248) 437-2616

Shipping Information

South Lyon Fire Department

South Lyon, MI 48178

Charges	Quantity	Unit Price	Unit Tax	Total Sale Price
Used 40' High Cube (Wind and Water Tight)	2	\$2,350.00	\$0.00	\$4,700.00
Delivery to South Lyon MI	2	\$150.00	\$0.00	\$300.00

Total: \$5,000.00

w/Tax*: \$5,000.00

Notes:

* Tax Amount is an estimate only.

SPECIAL OFFER:

Need Storage?

Please ask us about our special pricing on all Storage Containers with your order.

Included With Your Pac-Van Agreement:

Superior Customer Service

Nationwide Service From a Local Company

Your One Stop for Mobile & Ground-Level Offices, Modular Buildings, and Storage Equipment

This agreement is made between Pac-Van, Inc., herein called the Seller, and South Lyon Fire Department herein called the Purchaser, and is subject to the Equipment and/or Services Purchase Agreement Terms and Conditions attached hereto.

The purchaser is responsible for securing any and all applicable building permits, licenses, or approvals necessary for the purchased equipment. This Purchase Agreement is based on a level, compact, and accessible site. Unless specified, this Purchase Agreement excludes taxes and other services. Seller does not warrant in any way that the equipment meets any local, state, federal or other code unless specified. This Purchase Agreement is contingent on final acceptance by Seller and credit approval by Seller.

**Sign
Here**

Signature: _____
Printed: _____
Title: _____
Date: _____

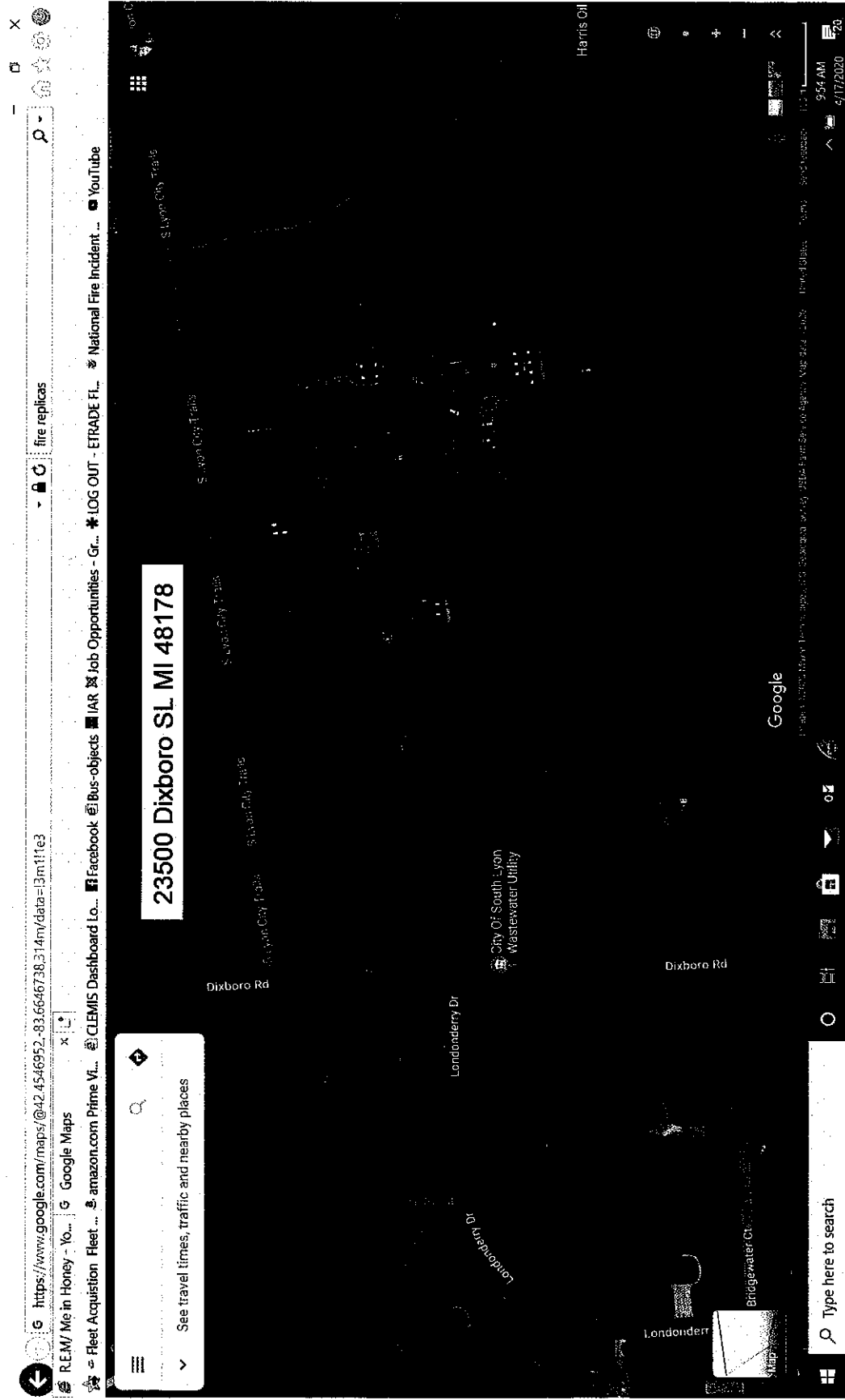
Signature: _____
Printed: Robert Callahan
Title: Sales Representative
Date: _____

40' CONTAINER

- 40' CONTAINER
- 20' INSULATED BURN ROOM
- WINCH OPERATED VENTILATION HATCH SYSTEM
- BURN CRIB
- TEMPERATURE MONITORING SYSTEM
- DOOR
- WINDOW



West Coast: Phoenix, AZ
East Coast: Long Island, NY
1-877-268-8303
www.mobilefireunits.com



27 feet x 56 feet gravel pad

AGENDA NOTE

New Business: Item # 2

MEETING DATE: August 24, 2020

PERSON PLACING ITEM ON AGENDA: City Manager/Police Chief/Fire Chief

AGENDA TOPIC: New Phone and Internet Provider

EXPLANATION OF TOPIC: The Public Safety Complex (Police and Fire Buildings) currently has a phone system that is very unreliable and has consistently failed, leaving citizens unable to call their local police and fire departments for assistance. The current system is made up of Avaya phone equipment and phone switch. The maintenance for the entire system is handled by CBTS, Windstream and AT&T. At the end of June 2020 Windstream informed us that they could no longer assist us when our phone system went down due to our phone switch needing to be replaced. We then had an independent contractor come out to confirm Windstream's diagnosis.

We contacted three different vendors (Comcast, Teoma Systems, and Verizon) to quote a new phone switch, equipment and maintenance service. The only phone provider that was CJIS compliant was Comcast. The police department must be in compliance with CJIS (Criminal Justice Information System) regarding the very sensitive information handled on a daily basis. Being CJIS compliant means that our phone lines will be encrypted and any conversations/faxes/emails will comply with federal regulations.

The main benefits that Comcast offers are CJIS compliance, maintenance is monitored 24/7 and will more than likely be discovered and repaired without us knowing there is a failure. There is not a separate costly maintenance agreement because it's included in the contract. The new phone hardware is easily replaced at no cost to us should it fail. The phone hardware is remotely updated when new software is available. Department Heads or their designee will be able to monitor and make adjustments to the setup through a phone app.

City Hall, P.D. and F.D. were planning to research new phone vendors during FY 20/21 for the FY 21/22 budget. Due to the unforeseen failure of the phone switch at the Public Safety Complex, this process must be expedited. To be economically responsible, Comcast offered a monthly discounted rate if we included the additional number of phones needed at City Hall who is experiencing less severe problems with their phone system.

The City Attorney suggested that any indemnification clause within Comcast's contract have added language stating "To the extent permitted by law and without waiving governmental immunity, the Customer agrees..." Comcast has agreed that this is a

08/24/2020

reasonable request but an updated contract will not be ready by the agenda submission date.

MATERIALS ATTACHED AS SUPPORTING DOCUMENTS: Business voice edge agreement, City of South Lyon design, phone comparison, photo of equipment, Ethernet explanation, Master service agreement, phone features, Sales order agreement, Verizon quote.

POSSIBLE COURSES OF ACTION: Approve/Do Not Approve Comcast phone and internet service provider contracts and agreements.

SUGGESTED MOTION: Motion by _____, supported by _____ to approve the Comcast phone and internet service provider contracts and agreements.

08/24/2020

CUSTOMER INFORMATION

Account Name: <u>City of South Lyon</u>	Email: <u>pzelenak@southlyonmi.org</u>
Primary Contact: <u>Paul Zelenak</u>	Address1: <u>335 S. Warren ST</u>
Title: <u>City Manager</u>	Address2: _____
Phone: <u>248.437.1735</u>	City: <u>South Lyon</u>
Cell: _____	State: <u>MI</u>
Fax: _____	Zip Code: <u>48178</u>

SUMMARY OF CHARGES

Service Term(Months): 36

Site Name	Monthly Recurring Charges	Standard Installation Fees	Activation Fees
City Hall	\$315.15	\$49.00	\$449.25
Police 2	\$59.85	\$49.00	\$89.85
Fire Department	\$139.65	\$49.00	\$209.65
Police Department	\$155.55	\$49.00	\$209.65
SUMMARY OF TOTAL CHARGES*	\$670.20	\$196.00	\$958.40

* Applicable federal, state and local taxes and fees may apply; usage fees not included. For Specific information, see service location detail pages, attached hereto and incorporated here in reference. Additional orders (adding or deleting seats) may change the "per seat" pricing.

GENERAL COMMENTS

AGREEMENT

1. This Comcast Enterprise Services Sales Order Form ("Sales Order") shall be effective upon acceptance by Comcast. This Sales Order is made a part of the Comcast Enterprise Services Master Services Agreement, entered between Comcast and the undersigned and is subject to the Product Specific Attachment for the Service(s) ordered herein, located at <https://business.comcast.com/terms-conditions-ent/>, (the "Agreement") . Unless otherwise indicated herein, capitalized words shall have the same meaning as in the Agreement.

2. Customer must execute a Comcast Letter or Authorization ("LOA") and submit it to Comcast, or Comcast's third party order entry integrator, as directed by Comcast.

3. New telephone numbers are subject to change prior to the install. Customers should not print their new number on stationery or cards until after the installation is complete.

4. Notwithstanding the notice provision in the Enterprise Services General Terms and Conditions, all legal notices will be sent to the Primary Contact listed above and/or to the Primary Contact identified on the SOA for each Service location as applicable.

5. Modifications: All modifications to the Agreement, if any, must be captured in a written Amendment, executed by an authorized Comcast Senior Vice President and the Customer. All other attempts to modify the Agreement shall be void and non-binding on Comcast. Customer by signing below, agrees and accepts the terms and conditions of this Agreement.

E911 ACKNOWLEDGEMENT

Comcast Voice Services, including, but not limited to, Comcast Business Voice Edge Service, ("Voice Services") may have the E911 limitations specified below:

- In order for 911 calls to be properly directed to emergency services using the Voice Services, Comcast must have the correct service address and, where applicable, location details ("Registered Service Location"). Registered Service Location may include, subject to any character limitations, location details such as a floor and/or office number, in addition to street address, for each telephone number and extension used by the Customer. If the Voice Services or any Voice Services device is moved to a different location without Customer providing updated Registered Service Location information, 911 calls may be directed to the wrong emergency authority, may transmit the wrong address, emergency responders may be unable to locate the emergency on the premises and/or the Voice Services (including 911) may fail altogether. Customer's use of a telephone number not associated with its geographic location, or a failure to allot sufficient time for a Registered Service Location change to be processed may also increase these risks.

- Customer is solely responsible for informing Comcast of initial Registered Service Locations for each telephone number and extension and of all changes to Registered Service Locations for the Voice Services, including subsequent moves, additions or deletions of stations. Customer will inform Comcast of changes to any Registered Service Location for each telephone number and extension by calling Comcast at 1-855-368-0600 or by opening a trouble ticket in the Comcast Care Center Portal. The contact number or method for making such updates are subject to change from time to time.

- The Voice Services use electrical power in the Customer's premises, as well as the Customer's underlying broadband service. If there is an electrical

COMCAST BUSINESS

COMCAST ENTERPRISE SERVICES SALES ORDER FORM BUSINESS VOICE EDGE SERVICES

power outage or underlying broadband service outage, 911 calling may be interrupted. Similarly, calls using the Voice Services, including calls to 911, may not be completed if there is a problem with network facilities, including network congestion, network/equipment failure, or another technical problem.

• If the Registered Service Location provided in conjunction with the use of Comcast Equipment is deemed to be in an area that is not supported for 911 calls, Customer will not have direct access to either basic 911 or E911. In this case, Customer 911 calls will be sent to an emergency call center. A trained agent at the emergency call center will ask for the caller's name, telephone number and location, and then will contact the local emergency authority for that area in order to send help.

BY SIGNING BELOW, I ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THE 911 LIMITATIONS OF THE VOICE SERVICES.

By signing below, Customer agrees and accepts to the terms and conditions of this Agreement. Enterprise Services General Terms & Conditions, and related policies can be found at <https://business.comcast.com/terms-conditions-ent/>

CUSTOMER USE ONLY		COMCAST USE ONLY (by Authorized representative)	
Signature:		Signature:	Sales Rep: Jeffrey Judson
Name:		Sales Rep	jeffrey_judson@comcast.com
Title:		Email:	com
Date:		Region:	Heartland Region
		Division:	Central Division

SERVICE LOCATION DETAIL					
Customer Information					
Location Name:	City Hall	Business Phone:	248.437.1735		
Company Name:	City of South Lyon	Cell Phone:			
Contact Name:	Paul Zelenak	Fax Number:			
Address1:	335 S. Warren St	Email:	pzelenak@southlyonmi.org		
Address2:		Site Type:	Standard		
City:	South Lyon	Emergency 911	335 S Warren ST		
State:	MI	Information:	South Lyon, MI 48178		
Zip:	48178				
Billing Information					
Date Of Quote:	8/4/2020	Service Term:	36		
The terms set forth in this agreement are valid for 30 days from Date of Quote					
Billing Contact	Briann Salyers	Zip:	48178		
Address1:	335 S. Warren St	Phone:	248.437.1735		
Address2:		Fax:			
City:	South Lyon	Email:	salyersb@southlyonpolice.com		
State:	MI				
Voice Selection					
Voice Selections	Quantity	Unit Price(MRC)	Unit Price(NRC)	Total MRC	Total NRC
Unified Communication Seats	15	\$19.95	\$29.95	\$299.25	\$449.25
Equipment Selection					
Equipment Selections	Quantity	Unit	Unit	Total MRC	Total NRC
Voice Gateway	1	\$9.95	\$0.00	\$9.95	\$0.00
Polycom VVX 311 HD	14	\$0.00	\$0.00	\$0.00	\$0.00
Polycom VVX 411 HD	1	\$5.95	\$0.00	\$5.95	\$0.00
Summary Of Charges					
Aggregate Monthly Recurring Charges					
Monthly Recurring Charges:				\$315.15	
Promotional Discount:					
Promotion Option:				CEN_BVESeats22+_ \$19.95	
Promotion Description:					
Unified Communication Seats provided for discounted rate of \$19.95 each, increasing to then regular rate at end of original term. Minimum 22 Seats required. Minimum Business Internet 100 or Ethernet required. OTT sites are eligible if main site meets minimum Business Internet 100/Ethernet requirement. 3 year term required with Business Internet. 3 or 5 year term required with Ethernet. Equipment, installation, taxes and fees, including Broadcast TV Fee, Regional Sports Fee, regulatory recovery fee and other applicable charges extra and subject to change.					
Total Business VoiceEdge Monthly Recurring Charge*:				\$315.15	
*Applicable federal, state and local taxes & fees may apply; usage fee not included. Additional orders (adding or deleting seats) may change the "per seat" pricing.					
Business VoiceEdge Standard Installation Fees					
Customer Training:	Online			No Charge	
Total Activation Charges:				\$449.25	
Site Installation Charges:				\$49.00	
Total Business VoiceEdge Standard Installation Fees:				\$498.25	

Customer Information

Location Name: Police 2
 Company Name: City of South Lyon
 Contact Name: Paul Zelenak
 Address1: 214 Whipple St
 Address2:
 City: South Lyon
 State: MI
 Zip: 48178

Business Phone: 248.437.1773
 Cell Phone:
 Fax Number:
 Email: pzelenak@southlyonmi.org
 Site Type: Standard
 Emergency 911 Information: 214 Whipple ST
 South Lyon, MI 48178

Billing Information

Date Of Quote: 8/4/2020
 Billing Contact: Briann Salyers
 Address1: 335 S. Warren St
 Address2:
 City: South Lyon
 State: MI

Service Term: 36
 The terms set forth in this agreement are valid for 30 days from Date of Quote
 Zip: 48178
 Phone: 248.437.1735
 Fax:
 Email: salyersb@southlyonpolice.com

Voice Selection

Voice Selections	Quantity	Unit Price(MRC)	Unit Price(NRC)	Total MRC	Total NRC
Unified Communication Seats	3	\$19.95	\$29.95	\$59.85	\$89.85

Equipment Selection

Equipment Selections	Quantity	Unit Price(MRC)	Unit Price(NRC)	Total MRC	Total NRC
Voice Gateway	0	\$9.95	\$0.00	\$0.00	\$0.00
Polycom VVX 311 HD	3	\$0.00	\$0.00	\$0.00	\$0.00

Summary Of Charges

Aggregate Monthly Recurring Charges

Monthly Recurring Charges:	\$59.85
Promotional Discount:	
Promotion Option:	CEN_BVESeats22+_19.95
Promotion Description:	

Unified Communication Seats provided for discounted rate of \$19.95 each, increasing to then regular rate at end of original term. Minimum 22 Seats required. Minimum Business Internet 100 or Ethernet required. OTT sites are eligible if main site meets minimum Business Internet 100/Ethernet requirement. 3 year term required with Business Internet. 3 or 5 year term required with Ethernet. Equipment, installation, taxes and fees, including Broadcast TV Fee, Regional Sports Fee, regulatory recovery fee and other applicable charges extra and subject to change.

Total Business VoiceEdge Monthly Recurring Charge*:	\$59.85
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*Applicable federal, state and local taxes & fees may apply; usage fee not included. Additional orders (adding or deleting seats) may change the "per seat" pricing.

Business VoiceEdge Standard Installation Fees

Customer Training:	Online	No Charge
Total Activation Charges:		\$89.85
Site Installation Charges:		\$49.00
Total Business VoiceEdge Standard Installation Fees:		\$138.85

Customer Information

Location Name: Fire Department	Business Phone: 248.437.2616
Company Name: City of South Lyon	Cell Phone:
Contact Name: Paul Zelenak	Fax Number:
Address1: 217 Whipple St.	Email: pzelenak@southlyonmi.org
Address2:	Site Type: Standard
City: South Lyon	Emergency 911: 217 Whipple ST
State: MI	Information:
Zip: 48178	South Lyon, MI 48178

Billing Information

Date Of Quote: 8/4/2020	Service Term: 36
The terms set forth in this agreement are valid for 30 days from Date of Quote	
Billing Contact: Briann Salyers	Zip: 48178
Address1: 335 S. Warren St	Phone: 248.437.1735
Address2:	Fax:
City: South Lyon	Email: salversb@southpolice.com
State: MI	

Voice Selection

Voice Selections	Quantity	Unit Price(MRC)	Unit Price(NRC)	Total MRC	Total NRC
Unified Communication Seats	7	\$19.95	\$29.95	\$139.65	\$209.65

Equipment Selection

Equipment Selections	Quantity	Unit Price(MRC)	Unit Price(NRC)	Total MRC	Total NRC
Voice Gateway	0	\$9.95	\$0.00	\$0.00	\$0.00
Polycom VVX 311 HD	7	\$0.00	\$0.00	\$0.00	\$0.00

Summary Of Charges

Aggregate Monthly Recurring Charges	
Monthly Recurring Charges:	\$139.65
Promotional Discount:	
Promotion Option:	CEN_BVESeats22+_19.95
Promotion Description:	
Unified Communication Seats provided for discounted rate of \$19.95 each, increasing to then regular rate at end of original term. Minimum 22 Seats required. Minimum Business Internet 100 or Ethernet required. OTT sites are eligible if main site meets minimum Business Internet 100/Ethernet requirement. 3 year term required with Business Internet. 3 or 5 year term required with Ethernet. Equipment, installation, taxes and fees, including Broadcast TV Fee, Regional Sports Fee, regulatory recovery fee and other applicable charges extra and subject to change.	
Total Business VoiceEdge Monthly Recurring Charge*:	\$139.65
*Applicable federal, state and local taxes & fees may apply; usage fee not included. Additional orders (adding or deleting seats) may change the "per seat" pricing.	
Business VoiceEdge Standard Installation Fees	
Customer Training: Online	No Charge
Total Activation Charges:	\$209.65
Site Installation Charges:	\$49.00
Total Business VoiceEdge Standard Installation Fees:	\$258.65

Customer Information

Location Name: Police Department	Business Phone: 248.437.1773
Company Name: City of South Lyon	Cell Phone:
Contact Name: Briann Salyers	Fax Number:
Address1: 219 Whipple St.	Email: pzelenak@southlyonmi.org
Address2:	Site Type: Standard
City: South Lyon	Emergency 911: 219 Whipple ST
State: MI	Information:
Zip: 48178	South Lyon, MI 48178

Billing Information

Date Of Quote: 8/4/2020	Service Term: 36
The terms set forth in this agreement are valid for 30 days from Date of Quote	
Billing Contact: Brian Salyers	Zip: 48178
Address1: 335 S. Warren St	Phone: 248.437.1735
Address2:	Fax:
City: South Lyon	Email: salyersb@southpolice.com
State: MI	

Voice Selection

Voice Selections	Quantity	Unit Price(MRC)	Unit Price(NRC)	Total MRC	Total NRC
Unified Communication Seats	7	\$19.95	\$29.95	\$139.65	\$209.65

Equipment Selection

Equipment Selections	Quantity	Unit Price(MRC)	Unit Price(NRC)	Total MRC	Total NRC
Voice Gateway	1	\$9.95	\$0.00	\$9.95	\$0.00
Polycom VVX 311 HD	6	\$0.00	\$0.00	\$0.00	\$0.00
Polycom VVX 411 HD	1	\$5.95	\$0.00	\$5.95	\$0.00

Summary Of Charges

Aggregate Monthly Recurring Charges

Monthly Recurring Charges:	\$155.55
Promotional Discount:	
Promotion Option:	CEN_BVESeats22+_19.95
Promotion Description:	
Unified Communication Seats provided for discounted rate of \$19.95 each, increasing to then regular rate at end of original term. Minimum 22 Seats required. Minimum Business Internet 100 or Ethernet required. OTT sites are eligible if main site meets minimum Business Internet 100/Ethernet requirement. 3 year term required with Business Internet. 3 or 5 year term required with Ethernet. Equipment, installation, taxes and fees, including Broadcast TV Fee, Regional Sports Fee, regulatory recovery fee and other applicable charges extra and subject to change.	

Total Business VoiceEdge Monthly Recurring Charge*:	\$155.55
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*Applicable federal, state and local taxes & fees may apply; usage fee not included. Additional orders (adding or deleting seats) may change the "per seat" pricing.

Business VoiceEdge Standard Installation Fees

Customer Training:	Online	No Charge
Total Activation Charges:		\$209.65
Site Installation Charges:		\$49.00
Total Business VoiceEdge Standard Installation Fees:		\$258.65




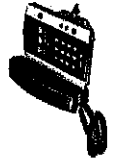
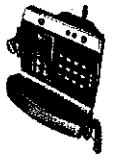





New Phone System for PD/FD/Admin/City Hall

Company	Pros	Cons	Cost
Comcast	<p>1.) Dedicated Fiber Network (Very reliable and little to no maintenance)</p> <p>2.) CUIS Compliant</p> <p>3.) All repairs for the Comcast system and the phone equipment are included in the monthly cost.</p> <p>4.) If the phones fail, there is a backup system associated with the fiber lines. We can also route the phone lines to our cell phones via the comcast app if absolutely necessary.</p> <p>5.) Can complete the project in 30-60 days.</p>	<p>1.) Have to hire our own company to install the fiber lines as well as maintain them.</p> <p>2.) One time setup cost of \$1154.40.</p> <p>3.) 36 month contract (Terms and conditions are labeled as 60months but that is strictly for their business practice and does not bind us to a 60 month contract.)</p>	<p>\$750 per month for the public safety complex.</p> <p>\$750 per month for City Hall.</p> <p>\$670.20 per month for 32 phones which are updated automatically and replaced every 2-3 years.</p> <p>\$120 per month for four fax lines</p> <p>Total= \$2290.20 per month</p> <p>Rated best for businesses who need reliability. 3.5 star review for customer service.</p>
Verizon	<p>1.) We own the equipment</p> <p>2.) Lower cost due to Verizon using a 3rd party vendor to maintain the network and installation process.</p> <p>3.) Offers additional modems as a back up incase the internet fails. Cost would be \$40/month per building and a \$300 per building installation charge.</p> <p>4.) No contract</p>	<p>1.) No known company to maintain the equipment after 1 year warranty expires</p> <p>2.) Not CUIS compliant - cloud based and runs off internet which means when the internet goes down, so does the phone system.</p> <p>3.) Customer service hours are only Mon-Fri 8a-8p.</p>	<p>\$510 per month for the public safety complex.</p> <p>\$510 per month for City Hall.</p> <p>\$2,240 one time fee to purchase the phones.</p> <p>Total= \$1020 per month</p> <p>Rated best for businesses who need to cut costs. 2 star review for reliability and limited access to better plans.</p>
Teoma Systems	<p>1.) Offers the system that we currently have.</p>	<p>1.) Not CUIS compliant</p> <p>2.) Requires at least \$300 for a quote.</p> <p>3.) Would need two different companies for maintenance. One for the dial tone and one for the phone equipment.</p>	<p>Unk due to the cost for a quote</p> <p><u>Current monthly cost for all four buildings is \$2129 with additional repair costs each time a ticket is generated.</u></p>

**COMCAST
BUSINESS**
BEYOND FAST

****The three pieces of equipment highlighted
in yellow are included in the monthly price.****

Available Equipment

Cordless Handset Panasonic TPA60 (8 lines)		Desk Jockey Polycom VVX311 (6 Lines)		Power User Polycom VVX411 (12 Lines)		Executive Polycom VVX501 (12 Lines)		Executive Polycom VVX601 (16 Lines)	
Cordless Desktop Panasonic TPA65 (8 lines)		Executive Video Polycom VVX1500 (6 Lines)		Reception Polycom VVX Color Expansion Module		Conference Room Polycom 5000		Conference Room Polycom 6000	

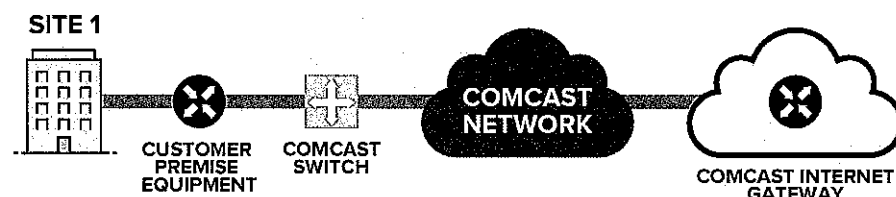
Contact Representative & Confidential

Ethernet Dedicated Network Service

**COMCAST
BUSINESS**
BEYOND FAST

Comcast Business Ethernet Dedicated Internet (EDI) Service is a simple, reliable and more flexible option to traditional private line dedicated Internet access services, providing higher bandwidth and increased efficiencies.

Ethernet Dedicated internet provides an Ethernet Virtual Connection (EVC) from the customer premises location to a Comcast Internet Point of Presence (POP) router. Our Ethernet interface enables compatibility with your LAN.



For enterprises that need the most bandwidth and the fastest connection providing a continuous link between their existing LAN and the public Internet, there is no better way to connect than with Comcast Business Ethernet Dedicated Internet.

Ethernet Dedicated Internet is offered in 10Mbps/100Mbps, 1Gbps and 10Gbps Ethernet User Network Interface (UNI) in speed increments from 2Mbps to 10Gbps subject to available capacity.

For more information or a free consultation, contact your local Enterprise Account Executive.

business.comcast.com/ethernet

Symmetrical Connectivity

Symmetrical dedicated internet bandwidth configurable from 2Mbps to 10Gbps in 1Mbps increments

IP Addresses

Static IP addresses assigned based on American Registry for Internet Numbers (ARIN) guidelines and customer justification

Domain Name System

Includes primary and secondary DNS service. Comcast will assist customers in transferring existing domain names

Border Gateway Protocol Routing

Optional BGP setup to facilitate multihoming between multiple ISP networks

Web-Based Reporting

Connectivity statistics for the previous day, seven-day or thirty-day period can be viewed through a secure web portal

Business Support

24/7/365 network monitoring and support through our Business Network Operations Center (BNOC)



COMCAST ENTERPRISE SERVICES MASTER SERVICES AGREEMENT (MSA)

MSA ID#: MI-10978686-mdyer

MSA Term: 60 months

Customer Name: City of South Lyon

CUSTOMER INFORMATION

Primary Contact: Paul Zelenak	<u>Primary Contact Address Information</u>
Title: City Manager	Address 1: 335 S. Warren St.
Phone: (248) 437-1735	Address 2:
Cell:	City: South Lyon
Fax:	State: MI
Email: pzelenak@southlyonmi.org	Zip Code: 48178

This Master Service Agreement ("Agreement") sets forth the terms and conditions under which Comcast Cable Communications Management, LLC and its operating affiliates ("Comcast") will provide communications and other services ("Services") to the above Customer. The Agreement consists of this fully executed Master Service Agreement Cover Page ("Cover Page"), the Enterprise Services General Terms and Conditions ("General Terms and Conditions"), any written amendments to the Agreement executed by both parties ("Amendments"), the Product-Specific Attachment for the applicable Services ("PSA(s)") and each Sales Order accepted hereunder ("Sales Orders"). In the event of any inconsistency among these documents, precedence will be as follows: (1) this Cover Page, (2) General Terms and Conditions, (3) PSA(s) and (4) Sales Orders. This Agreement shall be legally binding when signed by both parties and shall continue in effect until the expiration date of any Service Term specified in a Sales Order referencing the Agreement, unless terminated earlier in accordance with the Agreement.

The Customer referenced above may submit Sales Orders to Comcast during the Term of this Agreement ("MSA Term"). After the expiration of the initial MSA Term, Comcast may continue to accept Sales Orders from Customer under the Agreement, or require the parties to execute a new MSA.

The Agreement shall terminate in accordance with the General Terms and Conditions. The General Terms and Conditions and PSAs are located at <https://business.comcast.com/terms-conditions-ent> (or any successor URL). Use of the Services is also subject to the High-Speed Internet for Business Acceptable Use Policy ("AUP") located at <http://business.comcast.com/customer-notifications/acceptable-use-policy> (or any successor URL), and the High-Speed Internet for Business Privacy Policy (Privacy Policy) located at <http://business.comcast.com/customer-notifications/customer-privacy-statement> (or any successor URL). Comcast may update the General Terms and Conditions, PSAs, AUP and Privacy Policy from time to time upon posting to the Comcast website.

Services are only available to commercial customers in wired and serviceable areas in participating Comcast systems (and may not be transferred). Minimum Service Terms are required for most Services and early termination fees may apply. Service Terms are identified in each Sales Order, and early termination fees are identified in the applicable Product Specific Attachments.

BY SIGNING BELOW, CUSTOMER AGREES TO THE TERMS AND CONDITIONS OF THIS AGREEMENT.

CUSTOMER SIGNATURE (by authorized representative)

Signature:
Name:
Title:
Date:

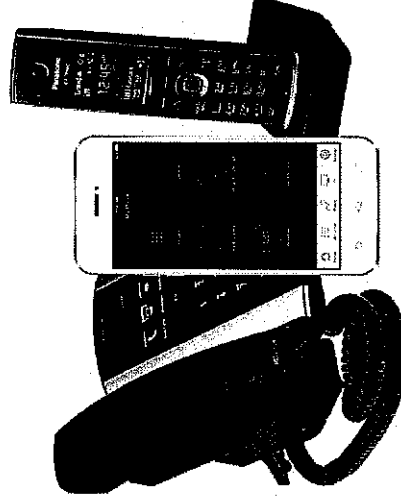
COMCAST USE ONLY (by authorized representative)

Signature:	Sales Rep: Jeffrey Judson
Name:	Sales Rep Email: jeffrey_judson@comcast.com
Title:	Region: Heartland
Date:	Division: Central

Business VoiceEdge Overview

- Unlimited Long Distance (Inbound, Local And Domestic)
- HD Calling*
- Video Calling*
- Receptionist Console
- Be Anywhere
- Automated Attendant
- Call Queues
- Audio Conferencing
- Music on Hold
- Hunt Groups
- Voicemail to Email or Text
- Online Management Portal
- Mobile App

These are just some of the features the new phone system will provide.



* Polycom Phones ONLY

Content Proprietary & Confidential

**COMCAST
BUSINESS****COMCAST ENTERPRISE SERVICES SALES ORDER FORM**

Page 1 of X

MSA ID#: MI-10978886-mdyer

SO ID#: MI-10978886-mdyer-13972720

Account Name: City of South Lyon

Primary Contact: Paul Zelenak

Title: City Manager

Address 1: 335 S. Warren

Address 2:

City: South Lyon

State: MI

Zip: 48178

Phone: 248.437.1773

Cell:

Fax:

Email: pzelenak@southlyonmi.org

Billing Account Name: City of South Lyon

Billing Name

(3rd Party Accounts)

Billing Contact: Briann Salyers

Title: Records Clerk

Phone: 248.437.1773

Cell:

Fax:

Email: salyersb@southlyonpolice.com

INVOICE ADDRESS

Address 1: 335 S. Warren

Address 2:

City: South Lyon

State: MI

Zip Code: 48178

Tax Exempt: Yes

If Yes, please provide and attach all
applicable tax exemption certificates

Service Term (Months): 36

SUMMARY OF SERVICE CHARGES*

Current Monthly Recurring Charges:	\$0.00
Current Trunk Services Monthly Recurring Charges:	\$0.00
Total Current Monthly Recurring Charges (all Services):	\$0.00
Change Monthly Recurring Charges:	\$1,500.00
Change Trunk Services Monthly Recurring Charges:	\$0.00
Change Monthly Recurring Charges (all Services):	\$1,500.00
Total Monthly Recurring Charges:	\$1,500.00
Total Trunk Services Monthly Recurring Charges:	\$0.00
Total Monthly Recurring Charges (all Services):	\$1,500.00

SUMMARY OF STANDARD INSTALLATION FEES*

Total Standard Installation Fees:	\$0.00
Total Trunk Services Standard Installation Fees:	\$0.00
Total Standard Installation Fees (all Services):	\$0.00

SUMMARY OF CUSTOM INSTALLATION FEES*

Total Custom Installation Fee:	\$0.00
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SUMMARY OF MONTHLY EQUIPMENT FEES*

Current Services Equipment Fee Monthly Recurring Charges:	\$0.00
Current Trunk Services Equipment Fee Monthly Recurring Charges:	\$0.00
Current Equipment Fee Monthly Recurring Charges (All Services):	\$0.00
Change Services Equipment Fee Monthly Recurring Charges:	\$0.00
Change Trunk Services Equipment Fee Monthly Recurring Charges:	\$0.00
Change Equipment Fee Monthly Recurring Charges (All Services):	\$0.00
Total Service Equipment Fee Monthly Recurring Charges:	\$0.00
Total Trunk Service Equipment Fee Monthly Recurring Charges:	\$0.00
Total Equipment Fee Monthly Recurring Charges (All Services):	\$0.00

*Note: Charges identified in the Sales Order are exclusive of maintenance and repair charges, and applicable federal, state, and local taxes, fees, surcharges and recoupments (however designated). Please refer to your Comcast Enterprise Services Master Services Agreement (MSA) for specific detail regarding such charges. Customer shall pay Comcast one hundred percent (100%) of the non-amortized Custom Installation Fees prior to the installation of Service. The existence of Hazardous Materials at the Service Location or a change in installation due to an Engineering Review may result in changes to the Custom and/or Standard Installation Fees payable by Customer.

This Comcast Enterprise Services Sales Order Form ("Sales Order") shall be effective upon acceptance by Comcast. This Sales Order is made a part of the Comcast Enterprise Services Master Services Agreement, entered between Comcast and the undersigned and is subject to the Product Specific Attachment for the Service(s) ordered herein, located at <http://business.comcast.com/terms-conditions-ent>, (the "Agreement"). Unless otherwise indicated herein, capitalized words shall have the same meaning as in the Agreement.

By signing below, Customer acknowledges, agrees to and accepts the terms and conditions of this Sales Order.

Signature:	Signature:	Sales Rep: Jeffrey Judson
Name:	Name:	Sales Rep E-Mail: Jeffrey.Judson@Comcast.com
Title:	Title:	Region: Heartland
Date:	Date:	Division: Central

COMCAST
BUSINESS

COMCAST ENTERPRISE SERVICES SALES ORDER FORM

SERVICES AND PRICING

Account Name: City of South Lyon

Date: 8/3/2020

MSA ID#: MI-10978886-mdyer

SO ID#: MI-10978886-mdyer-13972720

Short Description of Service:

Ethernet Dedicated Internet

Service Term: 36 MONTHS

PAGE 2 of X

Line	Request	Action	Service(s)	Description	Service Location A*	Service Location Z*	Tax Jurisdiction	Qty	Solution Charges	
									Monthly	One-Time
001	New	Add	EDI - Network Interface - 10 / 100	Port	City Hall / 335 S Warren St	-	Interstate	1	\$0.00	\$0.00
002	New	Add	IPv4 Static Address Block /30 (2)	Static IP	City Hall / 335 S Warren St	-	Interstate	1	\$20.00	\$0.00
003	New	Add	EDI - Bandwidth	100 Mbps	City Hall / 335 S Warren St	-	Interstate	1	\$730.00	\$0.00
004	New	Add	EDI - Network Interface - 10 / 100	Port	Police Department / 219 Whipple S	-	Interstate	1	\$0.00	\$0.00
005	New	Add	EDI - Bandwidth	100 Mbps	Police Department / 219 Whipple S	-	Interstate	1	\$730.00	\$0.00
006	New	Add	IPv4 Static Address Block /30 (2)	Static IP	Police Department / 219 Whipple S	-	Interstate	1	\$20.00	\$0.00
007	-	-	-	-	-	-	-	-	\$0.00	\$0.00
008	New	Add	BVE Port	Port	City Hall / 335 S Warren St	-	Interstate	1	\$0.00	\$0.00
009	New	Add	BVE - Premium Network Bandwidth	100 Mbps	City Hall / 335 S Warren St	-	Interstate	1	\$0.00	\$0.00
010	-	-	-	-	-	-	-	-	\$0.00	\$0.00
011	New	Add	BVE Port	Port	Police Department / 219 Whipple S	-	Interstate	1	\$0.00	\$0.00
012	New	Add	BVE - Premium Network Bandwidth	100 Mbps	Police Department / 219 Whipple S	-	Interstate	1	\$0.00	\$0.00
013	-	-	-	-	-	-	-	-	\$0.00	\$0.00
014	-	-	-	-	-	-	-	-	\$0.00	\$0.00
015	-	-	-	-	-	-	-	-	\$0.00	\$0.00
016	-	-	-	-	-	-	-	-	\$0.00	\$0.00
017	-	-	-	-	-	-	-	-	\$0.00	\$0.00
018	-	-	-	-	-	-	-	-	\$0.00	\$0.00
019	-	-	-	-	-	-	-	-	\$0.00	\$0.00
020	-	-	-	-	-	-	-	-	\$0.00	\$0.00
021	-	-	-	-	-	-	-	-	\$0.00	\$0.00
022	-	-	-	-	-	-	-	-	\$0.00	\$0.00
023	-	-	-	-	-	-	-	-	\$0.00	\$0.00
024	-	-	-	-	-	-	-	-	\$0.00	\$0.00
025	-	-	-	-	-	-	-	-	\$0.00	\$0.00
026	-	-	-	-	-	-	-	-	\$0.00	\$0.00
027	-	-	-	-	-	-	-	-	\$0.00	\$0.00
028	-	-	-	-	-	-	-	-	\$0.00	\$0.00
029	-	-	-	-	-	-	-	-	\$0.00	\$0.00
030	-	-	-	-	-	-	-	-	\$0.00	\$0.00
031	-	-	-	-	-	-	-	-	\$0.00	\$0.00
032	-	-	-	-	-	-	-	-	\$0.00	\$0.00
033	-	-	-	-	-	-	-	-	\$0.00	\$0.00
034	-	-	-	-	-	-	-	-	\$0.00	\$0.00
035	-	-	-	-	-	-	-	-	\$0.00	\$0.00
036	-	-	-	-	-	-	-	-	\$0.00	\$0.00
037	-	-	-	-	-	-	-	-	\$0.00	\$0.00
038	-	-	-	-	-	-	-	-	\$0.00	\$0.00
039	-	-	-	-	-	-	-	-	\$0.00	\$0.00
040	-	-	-	-	-	-	-	-	\$0.00	\$0.00
041	-	-	-	-	-	-	-	-	\$0.00	\$0.00
042	-	-	-	-	-	-	-	-	\$0.00	\$0.00
043	-	-	-	-	-	-	-	-	\$0.00	\$0.00
044	-	-	-	-	-	-	-	-	\$0.00	\$0.00
045	-	-	-	-	-	-	-	-	\$0.00	\$0.00
046	-	-	-	-	-	-	-	-	\$0.00	\$0.00
047	-	-	-	-	-	-	-	-	\$0.00	\$0.00
048	-	-	-	-	-	-	-	-	\$0.00	\$0.00
049	-	-	-	-	-	-	-	-	\$0.00	\$0.00
050	-	-	-	-	-	-	-	-	\$0.00	\$0.00

* Services Location Details attached

Charges are Exclusive of Equipment Fees

PAGE 2 SUBTOTAL:

\$1,500.00

\$0.00

COMCAST
BUSINESS

COMCAST ENTERPRISE SERVICES SALES ORDER FORM

SERVICES AND PRICING

Account Name: City of South Lyon

Date: 8/3/2020

MSA ID#: MI-10978686-mdyer

SO ID#: MI-10978686-mdyer-13972720

PAGE 3 of X

Line	Request	Action	Service(s)	Description	Service Location A*	Service Location Z*	Tax Jurisdiction	Qty	Solution Charges	
									Monthly	One-Time
051	-	-	-	-	-	-	-	-	\$0.00	\$0.00
052	-	-	-	-	-	-	-	-	\$0.00	\$0.00
053	-	-	-	-	-	-	-	-	\$0.00	\$0.00
054	-	-	-	-	-	-	-	-	\$0.00	\$0.00
055	-	-	-	-	-	-	-	-	\$0.00	\$0.00
056	-	-	-	-	-	-	-	-	\$0.00	\$0.00
057	-	-	-	-	-	-	-	-	\$0.00	\$0.00
058	-	-	-	-	-	-	-	-	\$0.00	\$0.00
059	-	-	-	-	-	-	-	-	\$0.00	\$0.00
060	-	-	-	-	-	-	-	-	\$0.00	\$0.00
061	-	-	-	-	-	-	-	-	\$0.00	\$0.00
062	-	-	-	-	-	-	-	-	\$0.00	\$0.00
063	-	-	-	-	-	-	-	-	\$0.00	\$0.00
064	-	-	-	-	-	-	-	-	\$0.00	\$0.00
065	-	-	-	-	-	-	-	-	\$0.00	\$0.00
066	-	-	-	-	-	-	-	-	\$0.00	\$0.00
067	-	-	-	-	-	-	-	-	\$0.00	\$0.00
068	-	-	-	-	-	-	-	-	\$0.00	\$0.00
069	-	-	-	-	-	-	-	-	\$0.00	\$0.00
070	-	-	-	-	-	-	-	-	\$0.00	\$0.00
071	-	-	-	-	-	-	-	-	\$0.00	\$0.00
072	-	-	-	-	-	-	-	-	\$0.00	\$0.00
073	-	-	-	-	-	-	-	-	\$0.00	\$0.00
074	-	-	-	-	-	-	-	-	\$0.00	\$0.00
075	-	-	-	-	-	-	-	-	\$0.00	\$0.00
076	-	-	-	-	-	-	-	-	\$0.00	\$0.00
077	-	-	-	-	-	-	-	-	\$0.00	\$0.00
078	-	-	-	-	-	-	-	-	\$0.00	\$0.00
079	-	-	-	-	-	-	-	-	\$0.00	\$0.00
080	-	-	-	-	-	-	-	-	\$0.00	\$0.00
081	-	-	-	-	-	-	-	-	\$0.00	\$0.00
082	-	-	-	-	-	-	-	-	\$0.00	\$0.00
083	-	-	-	-	-	-	-	-	\$0.00	\$0.00
084	-	-	-	-	-	-	-	-	\$0.00	\$0.00
085	-	-	-	-	-	-	-	-	\$0.00	\$0.00
086	-	-	-	-	-	-	-	-	\$0.00	\$0.00
087	-	-	-	-	-	-	-	-	\$0.00	\$0.00
088	-	-	-	-	-	-	-	-	\$0.00	\$0.00
089	-	-	-	-	-	-	-	-	\$0.00	\$0.00
090	-	-	-	-	-	-	-	-	\$0.00	\$0.00
091	-	-	-	-	-	-	-	-	\$0.00	\$0.00
092	-	-	-	-	-	-	-	-	\$0.00	\$0.00
093	-	-	-	-	-	-	-	-	\$0.00	\$0.00
094	-	-	-	-	-	-	-	-	\$0.00	\$0.00
095	-	-	-	-	-	-	-	-	\$0.00	\$0.00
096	-	-	-	-	-	-	-	-	\$0.00	\$0.00
097	-	-	-	-	-	-	-	-	\$0.00	\$0.00
098	-	-	-	-	-	-	-	-	\$0.00	\$0.00
099	-	-	-	-	-	-	-	-	\$0.00	\$0.00
100	-	-	-	-	-	-	-	-	\$0.00	\$0.00
101	-	-	-	-	-	-	-	-	\$0.00	\$0.00
102	-	-	-	-	-	-	-	-	\$0.00	\$0.00

* Services Location Details attached

Charges are Exclusive of Equipment Fees

PAGE 3 SUBTOTAL:

\$0.00

\$0.00

SERVICE LOCATION DETAIL INFORMATION

City of South Lyon

[illegible]

[illegible]

COMCAST
BUSINESS

COMCAST TRUNK SERVICES SALES ORDER FORM

SUMMARY OF TRUNK SERVICES AND PRICING

Date: 03/2020

MISA ID: MI-10876856-mdyar

SD ID: MI-10876856-mdyar-128/2720

Account Name: City of South Lyon

Service Term: 36 MONTHS

PAGE 7 OF 11

SLA	Location Name/Site ID	# Full PRD	# Fractional PRD	# Additional Channels PORT 1	# Additional Channels PORT 2	# Additional Channels PORT 3	# Additional Channels PORT 4	# Additional Channels PORT 5	# Additional Channels PORT 6	# Additional Channels PORT 7	# Additional Channels PORT 8	SP Trunk CCS	# of 28 TN Blocks	# of 100 TN Blocks	# of 200 TN Blocks	# of 1000 TN Blocks	# of RCF TNs	# of Toll Free #s	# of Trunk Groups	# of Trunk Groups with DNIS	Monthly Record	Existing Customer	Existing Customer MRC	Existing Customer Equip Fee MRC	Total Customer MRC	Incremental Monthly Equipment Fee	Incremental Monthly Recurring Charges	Standard Installation Fees
1																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
26																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
27																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
28																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
29																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
30																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
31																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
33																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
34																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
35																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
36																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
37																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Page 7 Total:																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Masters Telecom
1200 NW 17th Ave
Delray Beach, FL 33445
United States

Quote #	5310 v2
Date	Jul 10, 2020
Expires	Aug 8, 2020
Contact	Chad Mendelsohn

Prepared for CITY OF SOUTH LYON
CHRIS CHRIS
219 Whipple St
South Lyon, MI 48178
United States

T: (248) 437-4193
E: sovikc@southlyonpolice.com

ACCEPT QUOTE

One Talk Quote

Monthly Services

Category	Item	Quantity	Amount	Total
Verizon Monthly	One Talk Lines	32	\$25.00	\$800.00
Verizon Monthly	Auto Receptionist	1	\$20.00	\$20.00
Verizon Monthly	Business Phone Connect - Monthly Service	2	\$20.00	\$40.00
	Monthly service plan for Business Phone Connect			
	Unlimited calling service			

[†] Non-taxable item

Subtotal	\$860.00
Total Recurring	\$860.00 USD

One Time Charges

Category	Item	Quantity	Amount	Total
Verizon Device	T465 IP Desk Phone	32	\$145.00	\$4,640.00
	Item Discount (\$2,400.00)			\$2,240.00
	Manufacturer: Yealink			



Masters Device	Professional Onsite Installation	1	\$250.00	\$250.00
	Item Discount (\$250.00)			\$0.00

Category	Item	Quantity	Amount	Total
Verizon Device	Business Phone Connect BPC100 Business Phone Connect. Single line POTS replacement device by Inseego. Clear HD Voice over VoLTE Clear HD Voice over VoLTE on the Verizon Wireless 4G LTE network. Qualcomm 9207 chipset (best in class technology). Flexible connectivity-multiple ports RJ11 for analog phones and fax machines (G3), RJ31 for security systems and RJ45 ethernet for data fallback, POS, and light data needs. Business continuity/backup Business continuity/backup with 3 replaceable AA batteries (e.g., power failure) (\$79.99 with a 2 year term/1 year Government) Item Discount (\$319.98) Inseego (Code: INSGBPC100)	2	\$159.99	\$319.98 \$0.00[†]



[†] Non-taxable item

Please contact us if you have any questions.

Subtotal	\$5,209.98
Discount	(\$2,969.98)
Total Due	\$2,240.00 USD

Cost Breakdown

Category	One Time Charges	Monthly Services
Verizon Monthly	—	\$860.00*
Verizon Device	\$4,959.98	—
Masters Device	\$250.00	—
Discount	(\$2,969.98)	—
Total	\$2,240.00 USD	\$860.00 USD*

ACCEPT QUOTE

* Recurring fees billed monthly with 0 upfront payment(s).

Comments

Thank you for your interest in Verizon Wireless One Talk services

Verizon Wireless Bill Incentive credits

\$50.00 per a new line of service activated

32 X Lines \$ 50.00 = \$ 1,600.00

Equipment costs;

\$ 2,240.00	- Incentive credits	\$ 1,600.00	=	\$ 640.00
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All incentive credits will show on the 2nd or 3rd bill after activation

AGENDA NOTE

New Business: Item # 3

MEETING DATE: August 24, 2020

PERSON PLACING ITEM ON AGENDA: Police Chief/Fire Chief

AGENDA TOPIC: Phone Infrastructure Contract from Challenger Technologies

EXPLANATION OF TOPIC: Challenger Technologies will be contracted to provide the infrastructure of fiber optic lines to each building within the public safety complex. This project was not budgeted for the FY 20/21, however, due to recent unforeseen phone equipment failure with the phone switch, we will need to move this project forward. The phone switch currently handles the phone system for all three buildings within the Public Safety complex. Payment for this project will be brought forth as a budget amendment requesting funds from line item 100-330-970 Capital Outlay (Police) and 100-335-970 Capital Outlay (Fire) in a December 2020 City Council meeting.

This project will be needed to connect all three buildings within the Public Safety Complex. This will afford us the ability to own the underground fiber optic lines which will be more secure and less vulnerable to outages as opposed to having the fiber optic lines in an aerial setting. Since we have chosen to go with Comcast, who utilizes fiber optic lines, this will save us approx. \$1500 per month by having all three buildings connected by one line as opposed to one line per building.

MATERIALS ATTACHED AS SUPPORTING DOCUMENTS: Challenger construction agreement, exhibit A, exhibit B, fiber comparison, certificate of liability insurance, and sketch.

POSSIBLE COURSES OF ACTION: Approve/Do Not Approve the Challenger Technologies contract in the amount of \$12,128.

SUGGESTED MOTION: Motion by _____, supported by _____ to approve the Challenger Technologies contract in the amount of \$12,128.

08/24/2020

CONTRACT FOR FIBER OPTIC CABLE INSTALLATION

THIS CONTRACT FOR FIBER OPTIC INSTALLATION ("Contract"), IN CONSIDERATION OF the covenants and conditions hereafter expressed in this "Contract" is made this ___ day of August 2020, between the City of South Lyon, whose address is 335 South Warren Street, South Lyon, MI 48178 ("Owner") and Challenger Technologies, LLC, whose address is 2501 Precision Street, Jackson, MI 49202 ("Contractor").

COVENANTS AND CONDITIONS;

1) Scope of Work ("WORK")

- a) This contract is for the fiber optic cable installation on the Owner's property as more specifically described in attached Exhibit A (the "Work"). Any changes to the Work shall be set forth in writing signed by both parties.

2) Payment Terms

- a) The Owner agrees to pay the Contractor an amount not to exceed Twelve Thousand One Hundred Twenty-Eight Dollars (\$12,128.00) for the completion of the Work by Contractor. Payment shall be made upon verification of Work completion to the satisfaction of the Owner and approval of invoices received by Owner. Such payment shall be made not more than thirty (30) days after invoice approval by Owner. All payments to Contractor shall be submitted by mail at Contractor's address first listed above, unless Contractor provides written notice of a change in the address to which such payments are to be sent.
- b) The Contractor may make application for progress payments to the Owner at any time during the project, which Owner may grant in its sole discretion.
- c) The progress payment application to the Owner shall include an original of the following:
 - i) Invoice describing the Work that was performed; and
 - ii) The payment amount requested; and estimate of percentage of the Work completed.

3) Time of Completion

- a) Both parties agree that the Work shall commence on or after August 17, 2020, but no later than fourteen (14) days after the execution of this Contract (the "commencement date"), and substantial completion of the Work shall be completed within thirty (30) days of the commencement date.
- b) The Contractor shall employ persons of competence and skill to complete the project within thirty (30) days of the agreed upon commencement date.
- c) If the Contractor fails to complete the Work as agreed herein, the Owner may declare the Contractor in default by providing written notice to Contractor by registered mail.
 - i) If Contractor fails to remedy such default within fifteen (15) days of such notice, this Contract shall terminate, and Owner shall have the right to select a substitute Contractor.
 - ii) If the expense of completing the Work exceeds the unpaid balance on this "Contract", the Contractor shall pay the difference to the Owner within thirty (30) days of its invoicing.
- d) In agreeing to complete the Work by the agreed upon Time of Completion, Contractor has taken into consideration and made allowance for ordinary delays, and hindrances incident to such work, whether growing out of delays of common carriers, delays in securing material or workers, weather conditions, changes, omissions, alterations, or otherwise. During the course of the project, if the Contractor determines that completion cannot occur during the timeframe given, Contractor will make immediate notification to Owner in order to attempt to arrive at a mutually accepted extension. The decision to grant an extension or to declare a default, as described in subparagraph (c) above, is in the sole discretion of the Owner.

4) Confidentiality

- a) Each party agrees not to use any Confidential Information of the other party for any purpose except to evaluate and engage in the Work.
- b) Except as required by law, each party agrees not to disclose any Confidential Information of the other party, except that a receiving party may disclose the other party's Confidential Information to those employees of the receiving party who are required to have the information to evaluate or engage in the Work.

5) Availability of Equitable Relief

- a) Each party understands and agrees that its breach or threatened breach of this Contract will cause irreparable injury to the other party and that money damages will not provide an adequate remedy for such breach or threatened breach, and both parties hereby agree that, in the event of such a breach or threatened breach, the non-breaching party will also be entitled, without the requirement of posting a bond or other security, to equitable relief, including injunctive relief and specific performance.
- b) The parties' rights under this Contract are cumulative, and a party's exercise of one right shall not waive the party's right to assert any other legal remedy.

6) Waivers

- a) No provision of this Contract may be waived except by a writing executed by each party or an authorized representative of each party.
- b) A party's failure to enforce any provision of this Contract shall neither be construed as a waiver of the provision nor prevent the party from enforcing any other provision of this Contract.

7) Modification of Contract

- a) Any modification of this Contract or additional obligations assumed by either party in connection with this Contract shall be binding only if placed in writing and signed by each party or an authorized representative of each party.

8) Guarantee. Neither the verification and approval of the final invoice, nor the making of the final payment by the Owner to the Contractor shall relieve the Contractor of the responsibility for faulty materials or workmanship discovered within one (1) year after the date of final payment for the Work; and the Contractor shall promptly replace any such defects without cost to the Owner.

9) Independent Contractor. The parties to the Contract intend that the relationship between them created by this Contract is that of a service provider and service purchaser. It is expressly agreed, understood and intended that no employee-employer relationship shall exist or be established and that Contractor is an independent contractor who has been retained to render services to the Owner to achieve specific results in exchange for specified recompense. As an independent contractor, Contractor expressly agrees that: (a) In the performance of this Contract, the relationship of Contractor to Owner shall be that of an independent contractor and not that of an employee or agent of the Owner, and neither Contractor, nor any agent, employee or agent of, or a servant to, the Owner; (b) Contractor will be solely responsible for payment of salaries, wages, and other compensation for its employees and agents; (c) Neither the Contractor nor any officer, agent, employee or subcontractor of the Contractor shall be eligible for coverage under or eligible to receive benefits of the Owners' Workers' compensation, unemployment or health insurance, pension plans or other benefit plans; (d) Contractor is and shall perform under this Contract as an independent contractor, and no liability or responsibility with respect to benefits of any kind, including without limitation, medical/health benefits, Workers' compensation, pension rights, or other rights or liabilities arising out of or related to a contract for hire or employer/employee relationship shall arise or accrue to either party as a result of the performance of this Contract; and (e) Contractor, as an independent contractor, is not authorized to enter into or sign any agreements on behalf of the Owner.

10) Liability. Contractor shall be liable for any injury or damage occurring on account of the performance of its Work under this Contract. To the fullest extent permitted by law, Contractor agrees to defend, pay on behalf of, indemnify and hold harmless Owner, its elected and appointed officials, employees and volunteers and others working on behalf of Owner, against any and all claims, demands, suits or loss, including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the Owner, by reason of personal injury, including without limitation bodily injury or death, and/or property damage, which arises out of or is in any way connected or associated with this Contract, the performance of Work under this Contract, or other actions or inactions of the Contractor in connection with the Work performed.

11) Insurance. This Contract is conditioned on the Contractor meeting the insurance requirements that is required in accordance with Exhibit B being satisfied by the Contractor with said insurance coverage to be maintained for the life of this Contract and the Owner being entitled to thirty (30) days written notice of any cancellations or changes.

12) Termination. Owner reserves the right to terminate the Contract upon thirty (30) days written notice. In the event this Contract is terminated prior to completion of Work, the Owner shall not be responsible to any further payments for work performed after the effective date of such termination, and shall pay Contractor for such work as has been completed and is eligible for payment under the terms of this Contract through the date of such termination.

13) Miscellaneous

- a) The parties may execute this Contract in counterparts, each of which is deemed an original, but all of which together constitute one and the same Contract.
- b) This Contract may be delivered by facsimile transmission, and facsimile copies of executed signature pages shall be binding as originals.
- c) This Contract shall benefit and bind the parties and their respective successors, heirs, legal representatives and

permitted assignees.

- d) Neither the Owner nor the Contractor may assign this Contract without written consent of the other.
- e) If any provision of this Contract is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law.
- f) This Contract shall be governed by Michigan law without regard to conflicts of law.

This Contract constitutes the entire agreement between the parties with respect to the Work and supersedes all prior written and oral agreements between the parties regarding the subject matter of this Contract.

By the Parties:

City of South Lyon (Owner)

Representative Name: Name, Title

Signature: _____

Date: _____

Challenger Technologies, Inc. (Contractor)

Representative Name: Richard A. Neil, C.O.O.

Signature: _____

Date: _____

EXHIBIT A

City of South Lyon (Owner, aka "South Lyon") and Challenger Technologies, LLC (Contractor, aka "Challenger")

Scope of Work (the Work):

Directional bore approximately 480' of one (1) 1.25" HDPE conduit with locating wire.

Bore from the northwest corner of the Police Department building to the east side of the Fire Department, then south to the pole by the parking lot. Set a vault over the existing conduit.

From the vault, bore over to the Fire Department building.

Route cable from Admin Building through existing conduit out to the vault. From the vault, route through the new conduit over to the Police Department. Attach a conduit to the wall and route the cable up into the attic space, then over to the IDF.

Route cable from Admin Building through existing conduit out to the vault. From the vault, route through the new conduit over to the Fire Department. Attach a conduit to the wall and route the cable up and enter above the ceiling, then over to the IDF.

Supply and install 1,000' of single-mode 12-strand fiber optic drop cable.

Supply and install one (1) 1RU fiber termination shelf, with two (2) 12-port S/C adapter panels.

Supply and install two (2) fiber termination boxes, with one (1) 12-port S/C adapter panel each.

Fusion splice all fiber strands.

Supply customer with as-built drawings and fiber documentation upon completion.

EXHIBIT B
INSURANCE REQUIREMENTS

The Contractor, and any and all of their subcontractors, shall not commence work under this contract until they have obtained the insurance required under this paragraph, and shall keep such insurance in force during the entire life of this contract. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan and acceptable to the City of South Lyon. The requirements below should not be interpreted to limit the liability of the Contractor. All deductibles and SIRs are the responsibility of the Contractor.

The Contractor shall procure and maintain the following insurance coverage:

1. **Workers' Compensation Insurance**, including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan.
2. **Commercial General Liability Insurance** on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and \$2,000,000 aggregate. Coverage shall include, but not limited to, the following: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent; (E) Explosion, Collapse, and Underground, if applicable.
3. **Automobile Liability**, including Michigan No-Fault Coverages, with limits of liability not less than \$1,000,000 per occurrence combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.
4. **Additional Insured**: Policy(ies) and coverages as described above, excluding Workers' Compensation Insurance, shall include an endorsement stating the following shall be ***Additional Insureds***: The City of South Lyon, all elected and appointed officials, all employees and volunteers, agents, all boards, commissions, and/or authorities and board members, including employees and volunteers thereof. It is understood and agreed by naming the City of South Lyon as additional insured, coverage afforded is considered to be primary and any other insurance the City of South Lyon may have in effect shall be considered secondary and/or excess.
5. **Cancellation Notice**: Policy(ies), as described above, shall be endorsed to state the following: It is understood and agreed Thirty (30) days, Ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be sent to: City Manager Zelenak, City of South Lyon, 335 South Warren Street, South Lyon, MI 48178.

6. **Proof of Insurance Coverage:** The Contractor shall provide the City of South Lyon at the time the contracts are returned by him/her for execution a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, a copy of the policy sections, where coverage is provided for additional insured and cancellation notice, may be acceptable. Copies of all policies mentioned above shall be furnished, if so requested.

Required liability limits may be obtained by using an Excess/Umbrella Liability policy in addition to the primary liability policy(ies). If coverage limits are satisfied by an Excess and/or Umbrella policy, coverage must follow form of the primary liability policy(ies), including but not limited to additional insured and primary/non-contributory coverage.

If any of the above coverages expire during the term of this contract, the Contractor shall deliver renewal certificates, endorsements, and/or policies to City of South Lyon at least ten (10) days prior to the expiration date.

Fiber Installation at Public Safety Complex

Company	Pros	Cons	Cost
Challenger	<p>1.) Known Company through IT Right and has done multiple projects at the PD already.</p> <p>2.) Owns their own equipment and has everything in stock for a quicker installation.</p> <p>3.) Has recently done this exact project for another township.</p> <p>4.) Having our own fiber lines installed underground is more secure when handling sensitive information.</p> <p>5.) All fiber that is installed, can be used for any other IP phone or internet service used in the future.</p> <p>6.) If going with Comcast, installing these fiber lines will significantly reduce the cost from needing a fiber line to each building (\$750 per building per month) to only needing one fiber line for all three buildings (\$750 per month)</p>	<p>1.) Would have to be called when there is a problem with the fiber which creates minor additional costs. However, they will be putting the lines underground and on private property which greatly reduces most risks associated with maintaining fiber lines.</p>	<p>One time cost of \$12,128.</p>
Turn Key Systems	<p>1.) Well established company</p>	<p>1.) Per their owner, they are too busy to install any fiber lines within the next 6 months.</p> <p>2.) Made sure we knew their quote would be much higher than Challengers.</p>	<p>Owner was unable to provide a quote due to not having room in their schedule.</p>
Comcast	<p>1.) Well established company.</p> <p>2.) Owns their own equipment.</p>	<p>1.) Wouldn't be able to schedule for 2-3 months.</p> <p>2.) We would not own the fiber line after paying for the installation.</p>	<p>Each building in the public safety complex would be \$12k+ for the construction and boring fiber optic lines.</p>



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/3/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Kapnick Insurance Group P.O. Box 1801 Adrian MI 49221-7801		CONTACT NAME: Laura Uribe PHONE (A/C, No, Ext): 517-266-6652 FAX (A/C, No): 517-263-6658 E-MAIL ADDRESS: laura.uribe@kapnick.com	
		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: Michigan Millers Mutual	14508
		INSURER B: Hartford Insurance Company of the Midwest	38261
		INSURER C: Lloyd's Synd 2003 (Cattlin Underwriting Agencies Li	
		INSURER D:	
		INSURER E:	
		INSURER F:	

INSURED
Challenger Technologies LLC
2501 Precision St
Jackson MI 49202

CHALTEC-01

COVERAGES**CERTIFICATE NUMBER:** 2094777454**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			C0508222	7/20/2020	7/20/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			C0508222	7/20/2020	7/20/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			L0104963	7/20/2020	7/20/2021	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	35WECBV4487	7/20/2020	7/20/2021	<input checked="" type="checkbox"/> PER STATUTE E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
C	Professional Liability			EL00530024	12/21/2019	12/21/2020	Each Claim Limit 2,000,000 Aggregate Limit 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

AUTOMATIC STATUS POLICY FORMS (WHEN REQUIRED BY WRITTEN CONTRACT OR WRITTEN AGREEMENT WITH NAMED INSURED, PER POLICY TERMS & CONDITIONS)

GENERAL LIABILITY

--Additional Insureds
---CG855 (01/12) - Commercial General Liability Pak
----Additional Insured - Managers or Lessors of Premises - Automatic Status
----Additional Insured - Lessor of Leased Equipment - Automatic Status
See Attached...

CERTIFICATE HOLDER**CANCELLATION**

City of South Lyon
335 S. Warren St
South Lyon MI 48178

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

**ADDITIONAL REMARKS SCHEDULE**Page 1 of 1

AGENCY Kapnick Insurance Group		NAMED INSURED Challenger Technologies LLC 2501 Precision St Jackson MI 49202
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

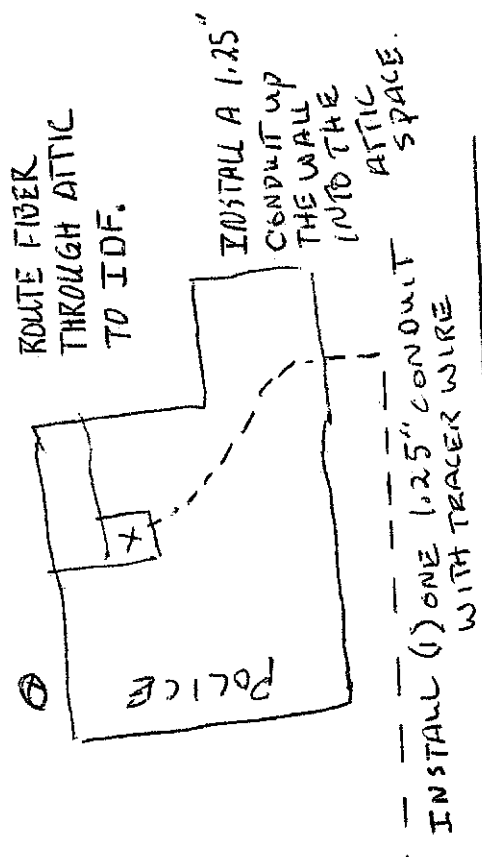
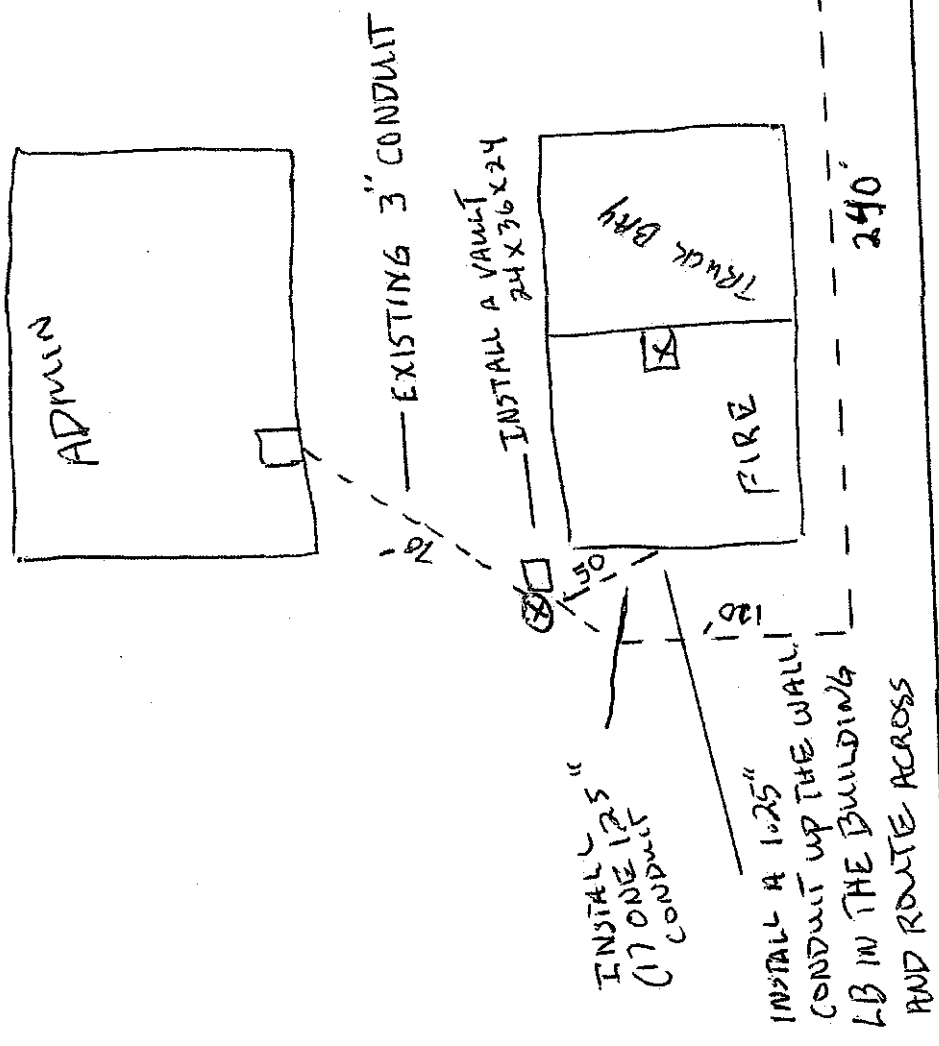
ADDITIONAL REMARKS**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,****FORM NUMBER:** 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

- Additional Insured - Vendors - Automatic Status
- Additional Insured - State or Political Subdivisions Permits - Automatic Status
- Additional Insured - Volunteers - Automatic Status
- Additional Insured - Written by Contract - Automatic Status
- General Liability Waiver of Subrogation - Per Form CG855 (01/12)

6/30/20

ALL UNDER GROUND

SET A VAULT OVER THE EXISTING
3" CONDUIT AT THE POLE.
INSTALL A 12 COUNT SINGLE MODE
FIBER FROM THE ADMIN TO THE
FIRE DEPT AND A 12 COUNT SINGLE
MODE TO THE POLICE DEPT.



AGENDA NOTE

New Business # 4

MEETING DATE: August 24, 2020

PERSON PLACING ITEM ON AGENDA: City Manager

AGENDA TOPIC: Road Improvement Plan Discussion

EXPLANATION OF TOPIC: The City of South Lyon recently had a road conditions assessment performed (PASER Rating). This was done to not only assess the condition of our roads, but to also provide a cost estimate to improve the individual road segments.

Tonight we will have our first discussion on addressing the long term repair of our roads, including discussing revenues, expenditures, funding alternatives, and how to plan and move forward with determining a long-term solution to repair our roads.

MATERIALS ATTACHED AS SUPPORTING DOCUMENTS: Memo on Road the Improvement Plan, PASER Study, 2020-2021 Local and Major Road Revenue and expenditures with corresponding pie charts, maps, graphs, road condition photos and an example of a road cross section.

POSSIBLE COURSES OF ACTION: Discussion on the planning and moving forward with a City Road Improvement Plan.

SUGGESTED MOTION: None

City of South Lyon

Road Improvement Plan Discussion

As a result of completing a PASER study (a surface rating of our roads) the City of South Lyon has been able to estimate costs to repair roads within our community. As such we now have taken the first step to develop a long-term plan (10+ years) for funding repairs, maintenance and improvements of 23.5 miles of Local Roads and 4.5 miles of Major Roads in the City of South Lyon.

Road Assessment

The attached PASER study within the Roadway Asset Management Plan, indicates the surface rating of our roads based on an evaluation process of each road within the community. The PASER study indicates that the majority of our roads are in poor condition. Included within the document is a projected 10-year average PASER rating for various funding levels to improve the roads. There is a map included that identifies the conditions of each of the road depicted in a particular color based upon the condition (1-10).

Road repairs take on many forms including: Crack Sealing, Patching, Mill and Overlay and Reconstruction

Attached also is a typical road cross-section that illustrates what is contained in an average road. (i.e. sand, gravel and pavement)

I have additionally attached examples of sample roads conditions within our community.

Revenues / Expenditures

Attached is the itemized 2020-2021 road revenue / expenditures for Local and Major Streets. Its is outlined on the budget sheets and depicted in the pie chart.

Funding Methods

The City receives the majority of its road revenue from ACT 51 funds. ACT 51 funding comes from revenues from gasoline and vehicle registration fees. The distribution is calculated using the most recent census population figures and the total miles of road we have in the community.

Other examples to fund road maintenance / repairs / improvements include:

County Road Funding – funding directly received from the county for a particular road. **Tri Party Funds**-which is a combination of City, County and RCOC funds for a specific improvement. **SAD** – Special Assessment Districts - which is a specific levy designed to recover the costs of improvement that benefits

the property. It is levied against the lands benefitting by the improvement.

Federal Funds – funds directly to be used based upon the requirements of receiving the funds. **General Fund**-City tax dollars allocated in the budget to be used on city expenses. **Bonds** – A loan that is designated to pay for a particular improvement. **Levied Road Millage** – a voter approved millage by the residents.

A levy of (1) one mill on property would generate approximately \$400,000 per year in additional revenue.

Currently we have the ability to levy one additional mill under our millage capped amount. Anything more would have to go before the vote of the electorate.

Bonding for roads is a means to start quickly on road repairs. With a bond you are able to start out with funding road improvements right away, instead of having to wait for taxes or other funds to be collected to pay for a project. However, any bond comes at a cost (interest expense). Bonding for a \$1 million dollars for ten years will cost the city an extra \$200,000 in bond costs for the life of the bond. Bonds are obtained to fund any SAD process as well.

Infrastructure

When funding road repairs we must also look at the infrastructure that is to be included as part of any project including: storm sewer, curb and gutter, manholes, etc. And what might be below ground that should be addressed prior to paving (i.e. watermain and sanitary sewer lines)

Conclusion

We have outlined some of the items that need to be discussed and determined in moving forward in developing the City's Road Improvement Plan. Internally we move forward with allocating time and funding to prepare data on road funding options and determine the pros and cons of each. We review road segments and group them together in paving projects based upon conditions of the road and funding availability. We review infrastructure that needs to be repaired or replaced as part of a prior to a paving project. Ensuring that its in the pipeline where it would be done in a timely manner before a road segment would be repaired / reconstructed. We report back periodically to City Council on the process via City Council agenda item. Where we will have pertinent discussions, make plans and decisions when necessary on moving the process forward. Ultimately, we have a long-term Road Improvement Plan that will outline the funding and the timeline for paving segments of road within the community.

Roadway Asset Management Plan
City of South Lyon
July 2020



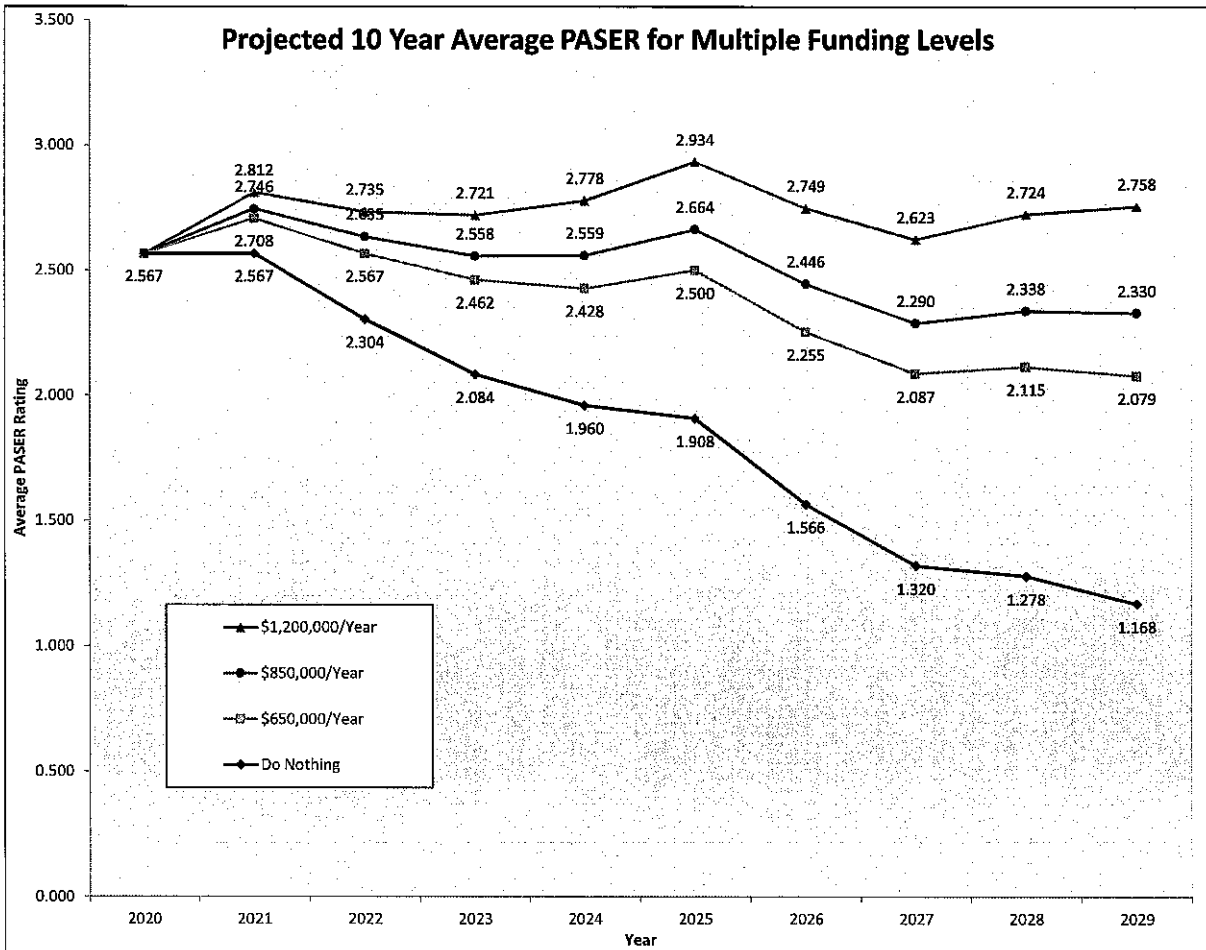
Estimated Cost of Improvements (in 2020 dollars)

PASER Rating	Recommended Treatment	Estimated Cost (per lane-mile)*
10	No maintenance required	n/a
9	No maintenance required	n/a
8	No maintenance required	n/a
7	Routine crack filling	\$ 10,000
6	Sealcoat	\$ 93,000
5	Non-structural overlay of 1.5"	\$ 385,000
4	Structural overlay of 2"	\$ 515,000
3	Structual overlay of 4"	\$ 720,000
2	Reconstruction with base repairs	\$ 925,000
1	Total Reconstruction	\$ 1,240,000

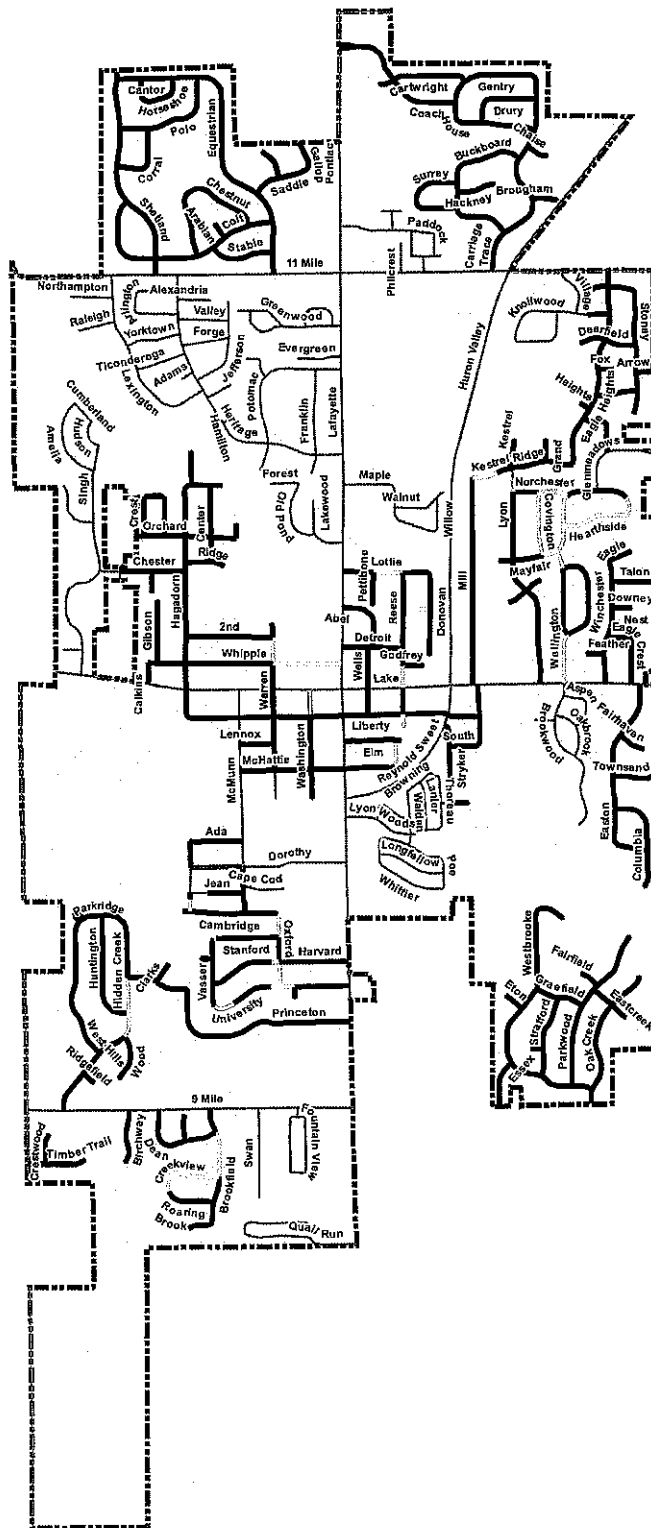
*Estimated costs include an allowance for engineering services and contingencies

City of South Lyon

Average PASER Rating by Funding Amount
2020 - 2029



City of South Lyon 2020 PASER Rating



Legend

- City of South Lyon
- River or Stream
- Lake
- Private or Federal-Aid Roads

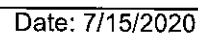
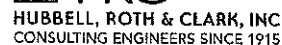
2020 PASER Rating

- 1 - Failed
- 2 - Very Poor
- 3 - Poor
- 4 - Fair
- 5 - Fair
- 6 - Good
- 7 - Good
- 8 - Very Good
- 9 - Excellent
- 10 - Excellent

0 0.175 0.35 0.7 1.05 1.4 Miles

HRC
HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

Date: 7/15/2020



Surface Rating Report

Sorted by Rating



PRNo	RoadName	FromDesc	ToDesc	Bmp	Emp	Length	SurfType	EvalYr	Est_Rating	LegalSys	Repair Costs
657506	Dorothy St	S Hagadorn St	McMunn St	0	0.125	0.125	Asphalt	2020	9	City Minor	\$0
4413436	Equestrian Dr	Horseshoe Dr	Polo Dr	0.135	0.194	0.059	Asphalt	2020	7	City Minor	\$1,180
657708	Mill St	E Liberty St	CSX Transportation	0.067	0.088	0.021	Asphalt	2020	7	City Major	\$420
4411920	Oxford Ave	University Ave	Dead End or Start	0	0.028	0.028	Asphalt	2020	7	City Minor	\$560
4413436	Equestrian Dr	Polo Dr	Name Change	0.194	0.244	0.05	Asphalt	2020	6	City Minor	\$9,300
657505	Harvard Ave	Oxford Ave	Pontiac Trl	0.175	0.342	0.167	Asphalt	2020	6	City Minor	\$31,062
683602	Norchester St	Lyon Blvd	Covington St	0	0.062	0.062	Asphalt	2020	6	City Minor	\$11,532
683504	Oxford Ave	Harvard Ave	concrete asphalt	0.059	0.092	0.033	Asphalt	2020	6	City Minor	\$6,138
4401183	Dean Dr	Dean Ct	Brookfield Dr	0.14	0.218	0.078	Concrete	2020	6	City Minor	\$14,508
657505	Harvard Ave	asphalt concrete	Oxford Ave	0.155	0.175	0.02	Asphalt	2020	5	City Minor	\$15,400
683710	Stanford Ave	Vasser Ave	asphalt concrete	0	0.006	0.006	Asphalt	2020	5	City Minor	\$4,620
634407	University Ave	Vasser Ave	concrete asphalt	0	0.05	0.05	Asphalt	2020	5	City Minor	\$38,500
657703	Washington St	W Liberty St	W Lake St	0.197	0.262	0.065	Concrete	2020	5	City Major	\$50,050
683408	Abel St	N Reese St	Donovan St	0	0.065	0.065	Asphalt	2020	4	City Minor	\$66,950
683510	Covington St	Mayfair	Norchester St	0	0.153	0.153	Asphalt	2020	4	City Minor	\$157,590
683701	Hearthside St	Wellington Dr	Norchester St	0	0.182	0.182	Asphalt	2020	4	City Minor	\$187,460
4410320	Hidden Creek Dr	Wood Run	Huntington Dr	0.24	0.3	0.06	Asphalt	2020	4	City Minor	\$61,800
4410320	Hidden Creek Dr	Huntington Dr	Princeton Dr	0.3	0.385	0.085	Asphalt	2020	4	City Minor	\$87,550
657604	Lottie St	Pettibone St	N Reese St	0.073	0.144	0.071	Asphalt	2020	4	City Major	\$73,130
657709	Lyon Blvd	Norchester St	Attribute Change	0.481	0.51	0.029	Asphalt	2020	4	City Minor	\$29,870
683601	Mayfair	Covington St	Wellington Dr	0.106	0.143	0.037	Asphalt	2020	4	City Minor	\$38,110
683602	Norchester St	Covington St	Wellington Dr	0.062	0.133	0.071	Asphalt	2020	4	City Minor	\$73,130
683702	Norchester St	Hearthside St	Norchester St	0	0.019	0.019	Asphalt	2020	4	City Minor	\$19,570
683504	Oxford Ave	University Ave	Harvard Ave	0	0.059	0.059	Asphalt	2020	4	City Minor	\$60,770
657705	N Reese St	Dead End or Start	E Liberty St	0	0.03	0.03	Asphalt	2020	4	City Minor	\$30,900
657705	N Reese St	S Reese St & E Lake St	Godfrey St	0.094	0.147	0.053	Asphalt	2020	4	City Major	\$54,590
683607	Scott St	E McHattie St	Elm Pl	0	0.062	0.062	Asphalt	2020	4	City Minor	\$63,860
634407	University Ave	asphalt concrete	Oxford Ave	0.15	0.173	0.023	Asphalt	2020	4	City Minor	\$23,690
634407	University Ave	Oxford Ave	Oxford Ave	0.173	0.207	0.034	Asphalt	2020	4	City Minor	\$35,020
657702	S Warren St	Whipple St	2nd St	0.255	0.318	0.063	Asphalt	2020	4	City Major	\$64,890
657710	Wellington Dr	Brookwood Dr & E Lake St	Winchester St	0	0.118	0.118	Asphalt	2020	4	City Minor	\$121,540
657710	Wellington Dr	Winchester St	Mayfair	0.28	0.323	0.043	Asphalt	2020	4	City Minor	\$44,290
657710	Wellington Dr	Mayfair	Hearthside St	0.323	0.388	0.065	Asphalt	2020	4	City Minor	\$66,950
657710	Wellington Dr	Hearthside St	Norchester St	0.388	0.462	0.074	Asphalt	2020	4	City Minor	\$76,220
657601	Whipple St	N Warren St	N Lafayette St	0.298	0.463	0.165	Asphalt	2020	4	City Major	\$169,950
4401181	Brookfield Dr	Dean Dr	Creekview Dr	0.058	0.168	0.11	Concrete	2020	4	City Minor	\$113,300
4404042	Creekview Dr	Roaring Brook Dr	Brookfield Dr	0	0.162	0.162	Concrete	2020	4	City Minor	\$166,860
4401155	S Hagadorn St	Cambridge Ave	concrete asphalt	0	0.03	0.03	Concrete	2020	4	City Minor	\$30,900
4401098	Kestrel Ridge Dr	N Mill St	concrete asphalt	0	0.063	0.063	Concrete	2020	4	City Minor	\$64,890
683504	Oxford Ave	Stanford Ave	Cambridge Ave	0.117	0.174	0.057	Concrete	2020	4	City Minor	\$58,710
683410	Ada St	S Hagadorn St	McMunn St	0	0.125	0.125	Asphalt	2020	3	City Minor	\$180,000

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4414976	Birchway Ct	9 Mile Rd	Dead End or Start		0	0.129	0.129 Asphalt	2020	3	City Minor	\$185,760
4414966	Brougham Ct	Gentry Dr	Dead End or Start		0	0.061	0.061 Asphalt	2020	3	City Minor	\$87,840
4414964	Carriage Trace Blvd	11 Mile Rd	Buckboard Cir & Gentry Dr		0	0.101	0.101 Asphalt	2020	3	City Minor	\$145,440
4414970	Cartwright Ln	Cartwright Ct & Coach House Ln	Gentry Dr		0	0.18	0.18 Asphalt	2020	3	City Minor	\$259,200
4414967	Chaise Ct	Gentry Dr	Dead End or Start		0	0.053	0.053 Asphalt	2020	3	City Minor	\$76,320
4414975	Clarks Ct	Princeton Dr	Dead End or Start		0	0.052	0.052 Asphalt	2020	3	City Minor	\$74,880
4414968	Coach House Ln	Cartwright Ln & Cartwright Ct	Gentry Dr		0.175	0.348	0.173 Asphalt	2020	3	City Minor	\$249,120
4414968	Coach House Ln	Drury Ln	Gentry Dr		0.451	0.581	0.13 Asphalt	2020	3	City Minor	\$187,200
4411034	Colt Dr	Shetland Dr	Chestnut Ln		0.215	0.317	0.102 Asphalt	2020	3	City Minor	\$146,880
4411034	Colt Dr	Chestnut Ln	Equestrian Dr		0.462	0.52	0.058 Asphalt	2020	3	City Minor	\$83,520
4413724	Columbia Dr	Easton Dr	Easton Dr		0	0.156	0.156 Asphalt	2020	3	City Minor	\$224,640
4413724	Columbia Dr	Easton Dr	Dead End or Start		0.156	0.245	0.089 Asphalt	2020	3	City Minor	\$128,160
4413439	Corral Ln	Shetland Dr	Polo Dr		0	0.163	0.163 Asphalt	2020	3	City Minor	\$234,720
683604	E Crest Ln	N Crest Ln	Orchard Rdg		0	0.094	0.094 Asphalt	2020	3	City Minor	\$135,360
683605	N Crest Ln	W Crest Ln	E Crest Ln		0	0.045	0.045 Asphalt	2020	3	City Minor	\$64,800
683708	W Crest Ln	Orchard Rdg	N Crest Ln		0	0.093	0.093 Asphalt	2020	3	City Minor	\$133,920
4414978	Crestwood Ct	Timber Trail Ct	Dead End or Start		0	0.075	0.075 Asphalt	2020	3	City Minor	\$108,000
657602	Detroit St	N Lafayette St	N Wells St		0	0.06	0.06 Asphalt	2020	3	City Major	\$86,400
657602	Detroit St	N Wells St	Pettibone St		0.06	0.074	0.014 Asphalt	2020	3	City Minor	\$20,160
4401090	Eagle Heights Dr	Stoney Dr	11 Mile Rd		0.446	0.485	0.039 Asphalt	2020	3	City Minor	\$56,160
4410318	Eastcreek Dr	S Parkwood Dr	Oak Creek Dr		0	0.057	0.057 Asphalt	2020	3	City Minor	\$82,080
4413824	Easton Dr	Columbia Dr	Columbia Dr		0	0.161	0.161 Asphalt	2020	3	City Minor	\$231,840
4413824	Easton Dr	Columbia Dr	Townsend Dr		0.161	0.239	0.078 Asphalt	2020	3	City Minor	\$112,320
4413824	Easton Dr	Fairhaven Dr	E Lake St		0.343	0.479	0.136 Asphalt	2020	3	City Minor	\$195,840
4413436	Equestrian Dr	Shetland Dr	Horseshoe Dr		0	0.058	0.058 Asphalt	2020	3	City Minor	\$83,520
4413436	Equestrian Dr	Horseshoe Dr	Horseshoe Dr		0.058	0.135	0.077 Asphalt	2020	3	City Minor	\$110,880
4410314	Eton Ct	Westbrooke Dr	Dead End or Start		0	0.051	0.051 Asphalt	2020	3	City Minor	\$73,440
4413725	Fairhaven Dr	Easton Dr	Dead End or Start		0	0.065	0.065 Asphalt	2020	3	City Minor	\$93,600
4413727	Graefield Dr	Westbrooke Dr	Stratford Dr		0	0.053	0.053 Asphalt	2020	3	City Minor	\$76,320
683501	S Hagadorn St	Dorothy St	Ada St		0	0.062	0.062 Asphalt	2020	3	City Minor	\$89,280
4410320	Hidden Creek Dr	9 Mile Rd	Ridgefield Ct		0	0.103	0.103 Asphalt	2020	3	City Minor	\$148,320
4410320	Hidden Creek Dr	Ridgefield Ct	West Hills Dr		0.103	0.167	0.064 Asphalt	2020	3	City Minor	\$92,160
4410320	Hidden Creek Dr	West Hills Dr	Wood Run		0.167	0.24	0.073 Asphalt	2020	3	City Minor	\$105,120
4410320	Hidden Creek Dr	Princeton Dr	Name Change		0.385	0.528	0.143 Asphalt	2020	3	City Minor	\$205,920
4410320	Hidden Creek Dr	Name Change	Huntington Dr		0.528	0.575	0.047 Asphalt	2020	3	City Minor	\$67,680
4410320	Hidden Creek Dr	Huntington Dr	West Hills Cir		0.575	0.623	0.048 Asphalt	2020	3	City Minor	\$69,120
4410324	Huntington Dr	Hidden Creek Dr	Parkridge Dr		0	0.276	0.276 Asphalt	2020	3	City Minor	\$397,440
683704	Lennox St	McMunn St	S Warren St		0	0.082	0.082 Asphalt	2020	3	City Minor	\$118,080
657509	W Liberty St	S Lafayette St & W Liberty St	S Wells St		0.372	0.432	0.06 Asphalt	2020	3	City Major	\$86,400
657509	W Liberty St	Reynold Sweet Pkwy	Mill St		0.626	0.704	0.078 Asphalt	2020	3	City Minor	\$112,320
657604	Lottie St	N Lafayette St	Pettibone St		0	0.073	0.073 Asphalt	2020	3	City Major	\$105,120

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657709	Lyon Blvd	E Lake St	Lyon Ct	0	0.233	0.233	Asphalt	2020		3	City Minor	\$335,520
657709	Lyon Blvd	Lyon Ct	Mayfair	0.233	0.318	0.085	Asphalt	2020		3	City Minor	\$122,400
657709	Lyon Blvd	Mayfair	Norchester St	0.318	0.481	0.163	Asphalt	2020		3	City Minor	\$234,720
683716	Lyon Ct	Lyon Blvd	Dead End or Start	0	0.052	0.052	Asphalt	2020		3	City Minor	\$74,880
683726	Lyon Ct	Lyon Blvd	Dead End or Start	0	0.043	0.043	Asphalt	2020		3	City Minor	\$61,920
683601	Mayfair	Dead End or Start	Lyon Blvd	0	0.033	0.033	Asphalt	2020		3	City Minor	\$47,520
683601	Mayfair	Lyon Blvd	Covington St	0.033	0.106	0.073	Asphalt	2020		3	City Minor	\$105,120
657507	W McHattie St	McMunn St	S Warren St	0	0.082	0.082	Asphalt	2020		3	City Major	\$118,080
657701	McMunn St	concrete asphalt	Jean Rd	0.035	0.049	0.014	Asphalt	2020		3	City Minor	\$20,160
657701	McMunn St	Jean Rd	Cape Cod Dr	0.049	0.065	0.016	Asphalt	2020		3	City Minor	\$23,040
657701	McMunn St	Cape Cod Dr	Dorothy St	0.065	0.113	0.048	Asphalt	2020		3	City Minor	\$69,120
4410315	S Parkwood Dr	Westbrooke Dr	Graefield Dr	0	0.197	0.197	Asphalt	2020		3	City Minor	\$283,680
5495901	Pepper Dr	Glenmeadows Dr	Eagle Heights Dr	0	0.124	0.124	Asphalt	2020		3	City Minor	\$178,560
4410659	Pettibone St	Lottie St	Dead End or Start	0	0.08	0.08	Asphalt	2020		3	City Minor	\$115,200
4413438	Polo Dr	Shetland Dr	Corral Ln	0	0.068	0.068	Asphalt	2020		3	City Minor	\$97,920
4410325	Princeton Dr	Clarks Ct	Pontiac Trl	0.071	0.641	0.57	Asphalt	2020		3	City Minor	\$820,800
657705	N Reese St	Godfrey St	Detroit St	0.147	0.187	0.04	Asphalt	2020		3	City Major	\$57,600
657705	N Reese St	Detroit St	CSX Transportation	0.187	0.216	0.029	Asphalt	2020		3	City Major	\$41,760
657705	N Reese St	CSX Transportation	Abel St	0.216	0.282	0.066	Asphalt	2020		3	City Major	\$95,040
657705	N Reese St	Abel St	Lottie St	0.282	0.368	0.086	Asphalt	2020		3	City Major	\$123,840
4410321	Ridgefield Ct	Hidden Creek Dr	Dead End or Start	0	0.035	0.035	Asphalt	2020		3	City Minor	\$50,400
4412222	Shetland Dr	11 Mile Rd	Colt Dr	0	0.039	0.039	Asphalt	2020		3	City Minor	\$56,160
4412222	Shetland Dr	Colt Dr	Colt Dr	0.039	0.205	0.166	Asphalt	2020		3	City Minor	\$239,040
4412222	Shetland Dr	Corral Ln	Polo Dr	0.295	0.385	0.09	Asphalt	2020		3	City Minor	\$129,600
4412222	Shetland Dr	Cantor Ln	Dead End or Start	0.505	0.522	0.017	Asphalt	2020		3	City Minor	\$24,480
4412279	Stable Ln	Colt Dr	Equestrian Dr	0	0.154	0.154	Asphalt	2020		3	City Minor	\$221,760
4401156	Stanford Ave	Vasser Ave	Dead End or Start	0	0.03	0.03	Asphalt	2020		3	City Minor	\$43,200
4401091	Stoney Dr	Brick Ln	Dead End or Start	0.302	0.359	0.057	Asphalt	2020		3	City Minor	\$82,080
4401162	Stryker St	Stryker St	Dead End or Start	0.025	0.068	0.043	Asphalt	2020		3	City Minor	\$61,920
4412332	Talon Ct	Eagle Way	Martindale Rd	0	0.107	0.107	Asphalt	2020		3	City Minor	\$154,080
4414977	Timber Trail Ct	Dixboro Rd	Crestwood Ct	0	0.043	0.043	Asphalt	2020		3	City Minor	\$61,920
4414977	Timber Trail Ct	Crestwood Ct	Dead End or Start	0.043	0.143	0.1	Asphalt	2020		3	City Minor	\$144,000
4413726	Townsend Dr	Easton Dr	Dead End or Start	0	0.105	0.105	Asphalt	2020		3	City Minor	\$151,200
634407	University Ave	Oxford Ave	Pontiac Trl	0.207	0.338	0.131	Asphalt	2020		3	City Minor	\$188,640
683503	Vasser Ave	University Ave	Harvard Ave	0	0.055	0.055	Asphalt	2020		3	City Minor	\$79,200
683503	Vasser Ave	Harvard Ave	Stanford Ave	0.055	0.114	0.059	Asphalt	2020		3	City Minor	\$84,960
657702	S Warren St	2nd St	Dead End or Start	0.318	0.352	0.034	Asphalt	2020		3	City Major	\$48,960
657710	Wellington Dr	Winchester St	Winchester St	0.118	0.28	0.162	Asphalt	2020		3	City Minor	\$233,280
657710	Wellington Dr	Wellington Dr	Glenmeadows Dr	0.462	0.536	0.074	Asphalt	2020		3	City Minor	\$106,560
657710	Wellington Dr	Glenmeadows Dr	Norchester St	0.536	0.611	0.075	Asphalt	2020		3	City Minor	\$108,000
4410323	West Hills Dr	Hidden Creek Dr	Parkridge Dr & West Hills Cir	0	0.338	0.338	Asphalt	2020		3	City Minor	\$486,720

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4410326	West Hills Cir	Parkridge Dr & West Hills Dr	Parkridge Dr	0	0.047	0.047	Asphalt	2020	3	City Minor	\$67,680
684005	Winchester St	Wellington Dr	Wellington Dr	0	0.234	0.234	Asphalt	2020	3	City Minor	\$336,960
4410322	Wood Run	Hidden Creek Dr	Dead End or Start	0	0.112	0.112	Asphalt	2020	3	City Minor	\$161,280
683502	Cambridge Ave	McMunn St	Oxford Ave	0.131	0.209	0.078	Concrete	2020	3	City Minor	\$112,320
4401183	Dean Dr	9 Mile Rd	Dean Ct	0	0.14	0.14	Concrete	2020	3	City Minor	\$201,600
657505	Harvard Ave	Vasser Ave	asphalt concrete	0	0.155	0.155	Concrete	2020	3	City Minor	\$223,200
657509	W Liberty St	Washington St	E Liberty St & S Lafayette St	0.293	0.372	0.079	Concrete	2020	3	City Major	\$113,760
657701	McMunn St	Cambridge Ave	concrete asphalt	0	0.035	0.035	Concrete	2020	3	City Minor	\$50,400
683504	Oxford Ave	concrete asphalt	Stanford Ave	0.092	0.117	0.025	Concrete	2020	3	City Minor	\$36,000
4401182	Roaring Brook Dr	Creekview Dr	Brookfield Dr	0	0.116	0.116	Concrete	2020	3	City Minor	\$167,040
683710	Stanford Ave	asphalt concrete	Oxford Ave	0.006	0.154	0.148	Concrete	2020	3	City Minor	\$213,120
634407	University Ave	concrete asphalt	asphalt concrete	0.05	0.15	0.1	Concrete	2020	3	City Minor	\$144,000
657704	N Wells St	E Lake St & S Wells St	Detroit St	0.063	0.161	0.098	Concrete	2020	3	City Major	\$141,120
683610	2nd St	N Hagadorn St	N Warren St	0	0.207	0.207	Asphalt	2020	2	City Minor	\$382,950
4413441	Appaloosa Ct	Saddle Dr	Dead End or Start	0	0.077	0.077	Asphalt	2020	2	City Minor	\$142,450
4410720	Arabian Ct	Colt Dr	Dead End or Start	0	0.041	0.041	Asphalt	2020	2	City Minor	\$75,850
4401136	Arrow Dr	Stoney Dr	Martindale Rd	0	0.041	0.041	Asphalt	2020	2	City Minor	\$75,850
4401097	Brick Ln	Eagle Heights Dr	Stoney Dr	0	0.099	0.099	Asphalt	2020	2	City Minor	\$183,150
4401181	Brookfield Dr	Roaring Brook Dr	Dead End or Start	0.231	0.345	0.114	Asphalt	2020	2	City Minor	\$210,900
4414972	Buckboard Cir	Carriage Trace Blvd & Gentry Dr	Surrey Ln	0	0.142	0.142	Asphalt	2020	2	City Minor	\$262,700
4414972	Buckboard Cir	Surrey Ln	Hackney Ct	0.142	0.181	0.039	Asphalt	2020	2	City Minor	\$72,150
4414972	Buckboard Cir	Hackney Ct	Surrey Ln	0.181	0.202	0.021	Asphalt	2020	2	City Minor	\$38,850
4414972	Buckboard Cir	Surrey Ln	Gentry Dr	0.202	0.397	0.195	Asphalt	2020	2	City Minor	\$360,750
657510	Calkins St	W Lake St	Whipple St	0	0.05	0.05	Asphalt	2020	2	City Minor	\$92,500
4414969	Cartwright Ct	Cartwright Ln & Coach House Ln	Dead End or Start	0	0.039	0.039	Asphalt	2020	2	City Minor	\$72,150
657905	Chester St	Woodland Dr & Chester Rd	Chester Ct	0	0.076	0.076	Asphalt	2020	2	City Minor	\$140,600
657905	Chester St	Chester Ct	N Hagadorn St	0.076	0.157	0.081	Asphalt	2020	2	City Minor	\$149,850
683519	Chester Ct	Chester St	Dead End or Start	0	0.051	0.051	Asphalt	2020	2	City Minor	\$94,350
4410995	Chestnut Ln	Colt Dr	Colt Dr	0	0.343	0.343	Asphalt	2020	2	City Minor	\$634,550
4414968	Coach House Ln	Shaya Blvd & Pontiac Trl	Coach House Ln	0	0.038	0.038	Asphalt	2020	2	City Minor	\$70,300
4414968	Coach House Ln	Coach House Ln	Cartwright Ln & Cartwright Ct	0.038	0.175	0.137	Asphalt	2020	2	City Minor	\$253,450
4414968	Coach House Ln	Gentry Dr	Drury Ln	0.348	0.451	0.103	Asphalt	2020	2	City Minor	\$190,550
5498981	Coach House Ln	Pontiac Trl & Shaya Blvd	Coach House Ln	0	0.038	0.038	Asphalt	2020	2	City Minor	\$70,300
4411034	Colt Dr	Shetland Dr	Shetland Dr	0	0.215	0.215	Asphalt	2020	2	City Minor	\$397,750
4411034	Colt Dr	Chestnut Ln	Stable Ln	0.317	0.359	0.042	Asphalt	2020	2	City Minor	\$77,700
4411034	Colt Dr	Stable Ln	Arabian Ct	0.359	0.396	0.037	Asphalt	2020	2	City Minor	\$68,450
4411034	Colt Dr	Arabian Ct	Chestnut Ln	0.396	0.462	0.066	Asphalt	2020	2	City Minor	\$122,100
4401095	Deerfield Ct	Stoney Dr	Eagle Heights Dr	0	0.075	0.075	Asphalt	2020	2	City Minor	\$138,750
4401095	Deerfield Ct	Eagle Heights Dr	Dead End or Start	0.075	0.138	0.063	Asphalt	2020	2	City Minor	\$116,550
657602	Detroit St	Pettibone St	N Reese St	0.074	0.145	0.071	Asphalt	2020	2	City Minor	\$131,350
4411137	Devon Ct	Stratford Dr	Dead End or Start	0	0.029	0.029	Asphalt	2020	2	City Minor	\$53,650

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4411160	Downey Nest	Eagle Way	Dead End or Start	0	0.048	0.048	Asphalt	2020	2	City Minor	\$88,800
4414971	Drury Ln	Coach House Ln	Gentry Dr	0	0.179	0.179	Asphalt	2020	2	City Minor	\$331,150
4411169	Eagle Way	E Lake St	Feather Ct	0	0.07	0.07	Asphalt	2020	2	City Minor	\$129,500
4411169	Eagle Way	Feather Ct	Eagle Crest Dr	0.07	0.11	0.04	Asphalt	2020	2	City Minor	\$74,000
4411169	Eagle Way	Eagle Crest Dr	Downey Nest	0.11	0.184	0.074	Asphalt	2020	2	City Minor	\$136,900
4411169	Eagle Way	Downey Nest	Talon Ct	0.184	0.246	0.062	Asphalt	2020	2	City Minor	\$114,700
4411169	Eagle Way	Talon Ct	Dead End or Start	0.246	0.353	0.107	Asphalt	2020	2	City Minor	\$197,950
4411170	Eagle Crest Dr	E Lake St	Eagle Way	0	0.166	0.166	Asphalt	2020	2	City Minor	\$307,100
4401090	Eagle Heights Dr	Kestrel Ridge Dr	Pepper Dr	0	0.116	0.116	Asphalt	2020	2	City Minor	\$214,600
4401090	Eagle Heights Dr	Pepper Dr	Heights Ct	0.116	0.142	0.026	Asphalt	2020	2	City Minor	\$48,100
4401090	Eagle Heights Dr	Heights Ct	Brick Ln	0.142	0.181	0.039	Asphalt	2020	2	City Minor	\$72,150
4401090	Eagle Heights Dr	Brick Ln	Fox Ct	0.181	0.242	0.061	Asphalt	2020	2	City Minor	\$112,850
4401090	Eagle Heights Dr	Fox Ct	Deerfield Ct	0.242	0.316	0.074	Asphalt	2020	2	City Minor	\$136,900
4401090	Eagle Heights Dr	Deerfield Ct	Challenging Trl	0.316	0.38	0.064	Asphalt	2020	2	City Minor	\$118,400
4401090	Eagle Heights Dr	Challenging Trl	Stoney Dr	0.38	0.446	0.066	Asphalt	2020	2	City Minor	\$122,100
4410318	Eastcreek Dr	Oak Creek Dr	Dead End or Start	0.057	0.103	0.046	Asphalt	2020	2	City Minor	\$85,100
4413824	Easton Dr	Townsend Dr	Fairhaven Dr	0.239	0.343	0.104	Asphalt	2020	2	City Minor	\$192,400
657508	Elm Pl	S Lafayette St	Scott St	0	0.125	0.125	Asphalt	2020	2	City Minor	\$231,250
657508	Elm Pl	Scott St	Dead End or Start	0.125	0.138	0.013	Asphalt	2020	2	City Minor	\$24,050
4411213	Equestrian Dr	11 Mile Rd	Stable Ln	0	0.052	0.052	Asphalt	2020	2	City Minor	\$96,200
4411213	Equestrian Dr	Stable Ln	Colt Dr	0.052	0.126	0.074	Asphalt	2020	2	City Minor	\$136,900
4413436	Equestrian Dr	Name Change	Saddle Dr	0.244	0.555	0.311	Asphalt	2020	2	City Minor	\$575,350
4413436	Equestrian Dr	Saddle Dr	Colt Dr	0.555	0.635	0.08	Asphalt	2020	2	City Minor	\$148,000
4410313	Essex Dr	9 Mile Rd	Westbrooke Dr	0	0.113	0.113	Asphalt	2020	2	City Minor	\$209,050
4410316	Fairfield Ct	S Parkwood Dr	Dead End or Start	0	0.048	0.048	Asphalt	2020	2	City Minor	\$88,800
4411253	Feather Ct	Eagle Way	Dead End or Start	0	0.043	0.043	Asphalt	2020	2	City Minor	\$79,550
4401092	Fox Ct	Eagle Heights Dr	Dead End or Start	0	0.038	0.038	Asphalt	2020	2	City Minor	\$70,300
4414965	Gentry Dr	Carriage Trace Blvd & Buckboard Cir	Brougham Ct	0	0.114	0.114	Asphalt	2020	2	City Minor	\$210,900
4414965	Gentry Dr	Brougham Ct	Buckboard Cir	0.114	0.226	0.112	Asphalt	2020	2	City Minor	\$207,200
4414965	Gentry Dr	Buckboard Cir	Chaise Ct	0.226	0.261	0.035	Asphalt	2020	2	City Minor	\$64,750
4414965	Gentry Dr	Chaise Ct	Coach House Ln	0.261	0.304	0.043	Asphalt	2020	2	City Minor	\$79,550
4414965	Gentry Dr	Coach House Ln	Drury Ln	0.304	0.379	0.075	Asphalt	2020	2	City Minor	\$138,750
4414965	Gentry Dr	Drury Ln	Cartwright Ln	0.379	0.604	0.225	Asphalt	2020	2	City Minor	\$416,250
4414965	Gentry Dr	Cartwright Ln	Coach House Ln	0.604	0.662	0.058	Asphalt	2020	2	City Minor	\$107,300
683608	Gibson St	Whipple St	Dead End or Start	0	0.151	0.151	Asphalt	2020	2	City Minor	\$279,350
4413727	Graefield Dr	Stratford Dr	S Parkwood Dr	0.053	0.119	0.066	Asphalt	2020	2	City Minor	\$122,100
4401103	Grand Ct	Kestrel Ridge Dr	Dead End or Start	0	0.053	0.053	Asphalt	2020	2	City Minor	\$98,050
4414973	Hackney Ct	Buckboard Cir	Dead End or Start	0	0.093	0.093	Asphalt	2020	2	City Minor	\$172,050
657201	Hagadorn Ct	N Ridge St	Dead End or Start	0	0.082	0.082	Asphalt	2020	2	City Minor	\$151,700
657610	N Hagadorn St	W Liberty St	N Hagadorn St & W Lake St	0	0.067	0.067	Asphalt	2020	2	City Minor	\$123,950
657610	N Hagadorn St	S Hagadorn St & W Lake St	Whipple St	0.067	0.128	0.061	Asphalt	2020	2	City Minor	\$112,850

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PRNo	RoadName	FromDesc	ToDesc	Bmp	Emp	Length	SurfType	EvalYr	Est_Rating	LegalSys	Repair Costs
657610	N Hagadorn St	Whipple St	2nd St	0.128	0.192	0.064	Asphalt	2020	2	City Minor	\$118,400
657610	N Hagadorn St	2nd St	Chester St	0.192	0.35	0.158	Asphalt	2020	2	City Minor	\$292,300
657610	N Hagadorn St	Chester St	S Ridge St	0.35	0.369	0.019	Asphalt	2020	2	City Minor	\$35,150
657610	N Hagadorn St	S Ridge St	Orchard Rdg	0.369	0.433	0.064	Asphalt	2020	2	City Minor	\$118,400
657610	N Hagadorn St	Orchard Rdg	N Ridge St	0.433	0.552	0.119	Asphalt	2020	2	City Minor	\$220,150
4401155	S Hagadorn St	concrete asphalt	Jean Rd	0.03	0.044	0.014	Asphalt	2020	2	City Minor	\$25,900
4401099	Heights Ct	Eagle Heights Dr	Dead End or Start	0	0.028	0.028	Asphalt	2020	2	City Minor	\$51,800
4410320	Hidden Creek Dr	West Hills Cir	West Hills Cir & West Hills Dr	0.623	0.634	0.011	Asphalt	2020	2	City Minor	\$20,350
4413437	Horseshoe Dr	Cantor Ln	Cantor Ln	0	0.162	0.162	Asphalt	2020	2	City Minor	\$299,700
4401098	Kestrel Ridge Dr	concrete asphalt	Lyon Blvd & Kestrel Ct	0.063	0.098	0.035	Asphalt	2020	2	City Minor	\$64,750
4401098	Kestrel Ridge Dr	Lyon Blvd & Kestrel Ct	Grand Ct	0.098	0.183	0.085	Asphalt	2020	2	City Minor	\$157,250
4401098	Kestrel Ridge Dr	Grand Ct	Eagle Heights Dr	0.183	0.249	0.066	Asphalt	2020	2	City Minor	\$122,100
4401100	Knollwood Cir	Attribute Change	Eagle Heights Dr	0.224	0.276	0.052	Asphalt	2020	2	City Minor	\$96,200
657509	W Liberty St	S Hagadorn St	McMunn St	0	0.124	0.124	Asphalt	2020	2	City Minor	\$229,400
657509	W Liberty St	McMunn St	S Warren St	0.124	0.206	0.082	Asphalt	2020	2	City Major	\$151,700
657509	W Liberty St	S Warren St	Washington St	0.206	0.293	0.087	Asphalt	2020	2	City Major	\$160,950
657509	W Liberty St	S Wells St	S Reese St	0.432	0.517	0.085	Asphalt	2020	2	City Minor	\$157,250
657509	W Liberty St	S Reese St	Reynold Sweet Pkwy	0.517	0.626	0.109	Asphalt	2020	2	City Minor	\$201,650
657709	Lyon Blvd	Lyon Blvd & Kestrel Ridge Dr	Dead End or Start	0.539	0.609	0.07	Asphalt	2020	2	City Minor	\$129,500
657507	W McHattie St	S Warren St	Washington St	0.082	0.169	0.087	Asphalt	2020	2	City Major	\$160,950
657507	W McHattie St	Washington St	S Lafayette St & E McHattie St	0.169	0.25	0.081	Asphalt	2020	2	City Major	\$149,850
657507	W McHattie St	S Lafayette St & W McHattie St	Scott St	0.25	0.372	0.122	Asphalt	2020	2	City Minor	\$225,700
657708	Mill St	South St	E Liberty St	0	0.067	0.067	Asphalt	2020	2	City Major	\$123,950
657708	Mill St	CSX Transportation	E Lake St	0.088	0.143	0.055	Asphalt	2020	2	City Major	\$101,750
4410317	Oak Creek Dr	Westbrook Dr & Westbrooke Dr	Eastcreek Dr	0	0.218	0.218	Asphalt	2020	2	City Minor	\$403,300
4410317	Oak Creek Dr	Eastcreek Dr	Dead End or Start	0.218	0.316	0.098	Asphalt	2020	2	City Minor	\$181,300
683507	Orchard Rdg	W Crest Ln	E Crest Ln	0	0.049	0.049	Asphalt	2020	2	City Minor	\$90,650
683507	Orchard Rdg	E Crest Ln	N Hagadorn St	0.049	0.099	0.05	Asphalt	2020	2	City Minor	\$92,500
683507	Orchard Rdg	N Hagadorn St	Center Rdg	0.099	0.162	0.063	Asphalt	2020	2	City Minor	\$116,550
683507	Orchard Rdg	Center Rdg	E Ridge St	0.162	0.221	0.059	Asphalt	2020	2	City Minor	\$109,150
4401149	Orchard Rdg	W Crest Ln	Dead End or Start	0	0.018	0.018	Asphalt	2020	2	City Minor	\$33,300
4410315	S Parkwood Dr	Graefield Dr	Eastcreek Dr	0.197	0.245	0.048	Asphalt	2020	2	City Minor	\$88,800
4410315	S Parkwood Dr	Eastcreek Dr	Fairfield Ct	0.245	0.257	0.012	Asphalt	2020	2	City Minor	\$22,200
4410315	S Parkwood Dr	Fairfield Ct	Dead End or Start	0.257	0.403	0.146	Asphalt	2020	2	City Minor	\$270,100
657603	Pettibone St	Name Change	Detroit St	0.071	0.152	0.081	Asphalt	2020	2	City Minor	\$149,850
4413438	Polo Dr	Corral Ln	Cantor Ln	0.068	0.273	0.205	Asphalt	2020	2	City Minor	\$379,250
4410325	Princeton Dr	Hidden Creek Dr	Clarks Ct	0	0.071	0.071	Asphalt	2020	2	City Minor	\$131,350
657705	N Reese St	E Liberty St	E Lake St & N Reese St	0.03	0.094	0.064	Asphalt	2020	2	City Minor	\$118,400
683506	S Ridge St	N Hagadorn St	Center Rdg	0	0.062	0.062	Asphalt	2020	2	City Minor	\$114,700
683606	E Ridge St	Orchard Rdg	Dead End or Start	0	0.033	0.033	Asphalt	2020	2	City Minor	\$61,050
4413440	Saddle Dr	Equestrian Dr	Appaloosa Ct	0	0.068	0.068	Asphalt	2020	2	City Minor	\$125,800

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4413440	Saddle Dr	Appaloosa Ct	Name Change	0.068	0.144	0.076	Asphalt	2020	2	City Minor	\$140,600
4413440	Saddle Dr	Name Change	Dead End or Start	0.144	0.208	0.064	Asphalt	2020	2	City Minor	\$118,400
4412222	Shetland Dr	Colt Dr	Corral Ln	0.205	0.295	0.09	Asphalt	2020	2	City Minor	\$166,500
4412222	Shetland Dr	Polo Dr	Cantor Ln	0.385	0.505	0.12	Asphalt	2020	2	City Minor	\$222,000
683707	South St	Stryker St	Mill St	0	0.071	0.071	Asphalt	2020	2	City Major	\$131,350
4401091	Stoney Dr	Eagle Heights Dr	Deerfield Ct	0	0.192	0.192	Asphalt	2020	2	City Minor	\$355,200
4401091	Stoney Dr	Deerfield Ct	Arrow Dr	0.192	0.259	0.067	Asphalt	2020	2	City Minor	\$123,950
4401091	Stoney Dr	Arrow Dr	Brick Ln	0.259	0.302	0.043	Asphalt	2020	2	City Minor	\$79,550
4401094	Stoney Dr	Eagle Heights Dr	Dead End or Start	0	0.04	0.04	Asphalt	2020	2	City Minor	\$74,000
4410319	Stratford Dr	Westbrooke Dr	Devon Ct	0	0.065	0.065	Asphalt	2020	2	City Minor	\$120,250
4410319	Stratford Dr	Devon Ct	Graefield Dr	0.065	0.195	0.13	Asphalt	2020	2	City Minor	\$240,500
657706	Stryker St	Stryker St	South St	0	0.136	0.136	Asphalt	2020	2	City Minor	\$251,600
657706	Stryker St	South St	Reynold Sweet Pkwy	0.136	0.191	0.055	Asphalt	2020	2	City Major	\$101,750
4414974	Surrey Ln	Buckboard Cir	Buckboard Cir	0	0.235	0.235	Asphalt	2020	2	City Minor	\$434,750
657702	S Warren St	W McHattie St	Lennox St	0	0.063	0.063	Asphalt	2020	2	City Major	\$116,550
657702	S Warren St	Lennox St	W Liberty St	0.063	0.128	0.065	Asphalt	2020	2	City Major	\$120,250
657702	S Warren St	W Liberty St	W Lake St & N Warren St	0.128	0.194	0.066	Asphalt	2020	2	City Major	\$122,100
657702	S Warren St	S Warren St & W Lake St	Whipple St	0.194	0.255	0.061	Asphalt	2020	2	City Major	\$112,850
657703	Washington St	W McHattie St	W Liberty St	0.07	0.197	0.127	Asphalt	2020	2	City Minor	\$234,950
657704	N Wells St	E Liberty St	N Wells St & E Lake St	0	0.063	0.063	Asphalt	2020	2	City Major	\$116,550
4410312	Westbrooke Dr	9 Mile Rd	Oak Creek Dr & Westbrooke Dr	0	0.035	0.035	Asphalt	2020	2	City Minor	\$64,750
4410312	Westbrooke Dr	Westbrook Dr & Oak Creek Dr	S Parkwood Dr	0.035	0.084	0.049	Asphalt	2020	2	City Minor	\$90,650
4410312	Westbrooke Dr	S Parkwood Dr	Stratford Dr	0.084	0.167	0.083	Asphalt	2020	2	City Minor	\$153,550
4410312	Westbrooke Dr	Stratford Dr	Essex Dr	0.167	0.247	0.08	Asphalt	2020	2	City Minor	\$148,000
4410312	Westbrooke Dr	Essex Dr	Eton Ct	0.247	0.39	0.143	Asphalt	2020	2	City Minor	\$264,550
4410312	Westbrooke Dr	Eton Ct	Graefield Dr	0.39	0.449	0.059	Asphalt	2020	2	City Minor	\$109,150
4410312	Westbrooke Dr	Graefield Dr	Dead End or Start	0.449	0.707	0.258	Asphalt	2020	2	City Minor	\$477,300
657601	Whipple St	Calkins St	Gibson St	0	0.022	0.022	Asphalt	2020	2	City Minor	\$40,700
657601	Whipple St	Gibson St	N Hagadorn St	0.022	0.09	0.068	Asphalt	2020	2	City Minor	\$125,800
657601	Whipple St	N Hagadorn St	N Warren St	0.09	0.298	0.208	Asphalt	2020	2	City Minor	\$384,800
4401181	Brookfield Dr	9 Mile Rd	Dean Dr	0	0.058	0.058	Concrete	2020	2	City Minor	\$107,300
4401181	Brookfield Dr	Creekview Dr	Roaring Brook Dr	0.168	0.231	0.063	Concrete	2020	2	City Minor	\$116,550
683502	Cambridge Ave	S Hagadorn St	McMunn St	0	0.131	0.131	Concrete	2020	2	City Minor	\$242,350
4401154	Cambridge Ave	S Hagadorn St	Dead End or Start	0	0.017	0.017	Concrete	2020	2	City Minor	\$31,450
4401184	Dean Ct	Dean Dr	Dead End or Start	0	0.063	0.063	Concrete	2020	2	City Minor	\$116,550
657707	N Mill St	E Lake St	Kestrel Ridge Dr	0	0.496	0.496	Concrete	2020	2	City Major	\$917,600
683503	Vasser Ave	Stanford Ave	Stanford Ave	0.114	0.163	0.049	Concrete	2020	2	City Minor	\$90,650
683505	Center Rdg	S Ridge St	Orchard Rdg	0	0.059	0.059	Asphalt	2020	1	City Minor	\$146,320
683505	Center Rdg	Orchard Rdg	N Ridge St	0.059	0.184	0.125	Asphalt	2020	1	City Minor	\$310,000
683419	Donovan St	Lottie St	Abel St	0	0.087	0.087	Asphalt	2020	1	City Minor	\$215,760
683419	Donovan St	Abel St	Dead End or Start	0.087	0.198	0.111	Asphalt	2020	1	City Minor	\$275,280

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PRNo	RoadName	FromDesc	ToDesc	Bmp	Emp	Length	SurfType	EvalYr	Est	Rating	LegalSys	Repair Costs
683609	Godfrey St	N Reese St	Dead End or Start	0	0.05	0.05	Asphalt	2020		1	City Minor	\$124,000
683703	Jean Rd	Attribute Change	McMunn St	0.042	0.128	0.086	Asphalt	2020		1	City Minor	\$213,280
657604	Lottie St	N Reese St	Donovan St	0.144	0.207	0.063	Asphalt	2020		1	City Minor	\$156,240
657603	Pettibone St	N Lafayette St	Name Change	0	0.071	0.071	Asphalt	2020		1	City Minor	\$176,080
683506	S Ridge St	Center Rdg	Dead End or Start	0.062	0.094	0.032	Asphalt	2020		1	City Minor	\$79,360
683508	N Ridge St	N Hagadorn St	Hagadorn Ct	0	0.012	0.012	Asphalt	2020		1	City Minor	\$29,760
683508	N Ridge St	Hagadorn Ct	Center Rdg	0.012	0.058	0.046	Asphalt	2020		1	City Minor	\$114,080
683508	N Ridge St	Center Rdg	Dead End or Start	0.058	0.086	0.028	Asphalt	2020		1	City Minor	\$69,440
657703	Washington St	Dead End or Start	W McHattie St	0	0.07	0.07	Asphalt	2020		1	City Minor	\$173,600
Total						25.713						\$41,461,860

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PRNo	RoadName	FromDesc	ToDesc	Bmp	Emp	Length	SurfType	EvaYr	Est Rating	LegalSys	Repair Costs
683610	2nd St	N Hagadorn St	N Warren St	0	0.207	0.207	Asphalt	2020	2	City Minor	\$382,950
683408	Abel St	N Reese St	Donovan St	0	0.065	0.065	Asphalt	2020	4	City Minor	\$66,950
683410	Ada St	S Hagadorn St	McMunn St	0	0.125	0.125	Asphalt	2020	3	City Minor	\$180,000
4413441	Appaloosa Ct	Saddle Dr	Dead End or Start	0	0.077	0.077	Asphalt	2020	2	City Minor	\$142,450
4410720	Arabian Ct	Colt Dr	Dead End or Start	0	0.041	0.041	Asphalt	2020	2	City Minor	\$75,850
4401136	Arrow Dr	Stoney Dr	Martindale Rd	0	0.041	0.041	Asphalt	2020	2	City Minor	\$75,850
4414976	Birchway Ct	9 Mile Rd	Dead End or Start	0	0.129	0.129	Asphalt	2020	3	City Minor	\$185,760
4401097	Brick Ln	Eagle Heights Dr	Stoney Dr	0	0.099	0.099	Asphalt	2020	2	City Minor	\$183,150
4401181	Brookfield Dr	Dean Dr	Creekview Dr	0.058	0.168	0.11	Concrete	2020	4	City Minor	\$113,300
4401181	Brookfield Dr	Roaring Brook Dr	Dead End or Start	0.231	0.345	0.114	Asphalt	2020	2	City Minor	\$210,900
4401181	Brookfield Dr	9 Mile Rd	Dean Dr	0	0.058	0.058	Concrete	2020	2	City Minor	\$107,300
4401181	Brookfield Dr	Creekview Dr	Roaring Brook Dr	0.168	0.231	0.063	Concrete	2020	2	City Minor	\$116,550
4414966	Brougham Ct	Gentry Dr	Dead End or Start	0	0.061	0.061	Asphalt	2020	3	City Minor	\$87,840
4414972	Buckboard Cir	Carriage Trace Blvd & Gentry Dr	Surrey Ln	0	0.142	0.142	Asphalt	2020	2	City Minor	\$262,700
4414972	Buckboard Cir	Surrey Ln	Hackney Ct	0.142	0.181	0.039	Asphalt	2020	2	City Minor	\$72,150
4414972	Buckboard Cir	Hackney Ct	Surrey Ln	0.181	0.202	0.021	Asphalt	2020	2	City Minor	\$38,850
4414972	Buckboard Cir	Surrey Ln	Gentry Dr	0.202	0.397	0.195	Asphalt	2020	2	City Minor	\$360,750
657510	Calkins St	W Lake St	Whipple St	0	0.05	0.05	Asphalt	2020	2	City Minor	\$92,500
683502	Cambridge Ave	McMunn St	Oxford Ave	0.131	0.209	0.078	Concrete	2020	3	City Minor	\$112,320
683502	Cambridge Ave	S Hagadorn St	McMunn St	0	0.131	0.131	Concrete	2020	2	City Minor	\$242,350
4401154	Cambridge Ave	S Hagadorn St	Dead End or Start	0	0.017	0.017	Concrete	2020	2	City Minor	\$31,450
4414964	Carriage Trace Blvd	11 Mile Rd	Buckboard Cir & Gentry Dr	0	0.101	0.101	Asphalt	2020	3	City Minor	\$145,440
4414969	Cartwright Ct	Cartwright Ln & Coach House Ln	Dead End or Start	0	0.039	0.039	Asphalt	2020	2	City Minor	\$72,150
4414970	Cartwright Ln	Cartwright Ct & Coach House Ln	Gentry Dr	0	0.18	0.18	Asphalt	2020	3	City Minor	\$259,200
683505	Center Rdg	S Ridge St	Orchard Rdg	0	0.059	0.059	Asphalt	2020	1	City Minor	\$146,320
683505	Center Rdg	Orchard Rdg	N Ridge St	0.059	0.184	0.125	Asphalt	2020	1	City Minor	\$310,000
4414967	Chaise Ct	Gentry Dr	Dead End or Start	0	0.053	0.053	Asphalt	2020	3	City Minor	\$76,320
683519	Chester Ct	Chester St	Dead End or Start	0	0.051	0.051	Asphalt	2020	2	City Minor	\$94,350
657905	Chester St	Woodland Dr & Chester Rd	Chester Ct	0	0.076	0.076	Asphalt	2020	2	City Minor	\$140,600
657905	Chester St	Chester Ct	N Hagadorn St	0.076	0.157	0.081	Asphalt	2020	2	City Minor	\$149,850
4410995	Chestnut Ln	Colt Dr	Colt Dr	0	0.343	0.343	Asphalt	2020	2	City Minor	\$634,550
4414975	Clarks Ct	Princeton Dr	Dead End or Start	0	0.052	0.052	Asphalt	2020	3	City Minor	\$74,880
4414968	Coach House Ln	Cartwright Ln & Cartwright Ct	Gentry Dr	0.175	0.348	0.173	Asphalt	2020	3	City Minor	\$249,120
4414968	Coach House Ln	Drury Ln	Gentry Dr	0.451	0.581	0.13	Asphalt	2020	3	City Minor	\$187,200
4414968	Coach House Ln	Shaya Blvd & Pontiac Trl	Coach House Ln	0	0.038	0.038	Asphalt	2020	2	City Minor	\$70,300
4414968	Coach House Ln	Coach House Ln	Cartwright Ln & Cartwright Ct	0.038	0.175	0.137	Asphalt	2020	2	City Minor	\$253,450
4414968	Coach House Ln	Gentry Dr	Drury Ln	0.348	0.451	0.103	Asphalt	2020	2	City Minor	\$190,550
5498981	Coach House Ln	Pontiac Trl & Shaya Blvd	Coach House Ln	0	0.038	0.038	Asphalt	2020	2	City Minor	\$70,300
4411034	Colt Dr	Shetland Dr	Chestnut Ln	0.215	0.317	0.102	Asphalt	2020	3	City Minor	\$146,880
4411034	Colt Dr	Chestnut Ln	Equestrian Dr	0.462	0.52	0.058	Asphalt	2020	3	City Minor	\$83,520
4411034	Colt Dr	Shetland Dr	Shetland Dr	0	0.215	0.215	Asphalt	2020	2	City Minor	\$397,750

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PRNo	RoadName	FromDesc	ToDesc	Bmp	Emp	Length	SurfType	EvalYr	Est	Rating	LegalSys	Repair Costs
4411034	Colt Dr	Chestnut Ln	Stable Ln	0.317	0.359	0.042	Asphalt	2020		2	City Minor	\$77,700
4411034	Colt Dr	Stable Ln	Arabian Ct	0.359	0.396	0.037	Asphalt	2020		2	City Minor	\$68,450
4411034	Colt Dr	Arabian Ct	Chestnut Ln	0.396	0.462	0.066	Asphalt	2020		2	City Minor	\$122,100
4413724	Columbia Dr	Easton Dr	Easton Dr	0	0.156	0.156	Asphalt	2020		3	City Minor	\$224,640
4413724	Columbia Dr	Easton Dr	Dead End or Start	0.156	0.245	0.089	Asphalt	2020		3	City Minor	\$128,160
4413439	Corral Ln	Shetland Dr	Polo Dr	0	0.163	0.163	Asphalt	2020		3	City Minor	\$234,720
683510	Covington St	Mayfair	Norchester St	0	0.153	0.153	Asphalt	2020		4	City Minor	\$157,590
4404042	Creekview Dr	Roaring Brook Dr	Brookfield Dr	0	0.162	0.162	Concrete	2020		4	City Minor	\$166,860
4414978	Crestwood Ct	Timber Trail Ct	Dead End or Start	0	0.075	0.075	Asphalt	2020		3	City Minor	\$108,000
4401184	Dean Ct	Dean Dr	Dead End or Start	0	0.063	0.063	Concrete	2020		2	City Minor	\$116,550
4401183	Dean Dr	Dean Ct	Brookfield Dr	0.14	0.218	0.078	Concrete	2020		6	City Minor	\$14,508
4401183	Dean Dr	9 Mile Rd	Dean Ct	0	0.14	0.14	Concrete	2020		3	City Minor	\$201,600
4401095	Deerfield Ct	Stoney Dr	Eagle Heights Dr	0	0.075	0.075	Asphalt	2020		2	City Minor	\$138,750
4401095	Deerfield Ct	Eagle Heights Dr	Dead End or Start	0.075	0.138	0.063	Asphalt	2020		2	City Minor	\$116,550
657602	Detroit St	N Lafayette St	N Wells St	0	0.06	0.06	Asphalt	2020		3	City Major	\$86,400
657602	Detroit St	N Wells St	Pettibone St	0.06	0.074	0.014	Asphalt	2020		3	City Minor	\$20,160
657602	Detroit St	Pettibone St	N Reese St	0.074	0.145	0.071	Asphalt	2020		2	City Minor	\$131,350
4411137	Devon Ct	Stratford Dr	Dead End or Start	0	0.029	0.029	Asphalt	2020		2	City Minor	\$53,650
683419	Donovan St	Lottie St	Abel St	0	0.087	0.087	Asphalt	2020		1	City Minor	\$215,760
683419	Donovan St	Abel St	Dead End or Start	0.087	0.198	0.111	Asphalt	2020		1	City Minor	\$275,280
657506	Dorothy St	S Hagadom St	McMunn St	0	0.125	0.125	Asphalt	2020		9	City Minor	\$0
4411160	Downey Nest	Eagle Way	Dead End or Start	0	0.048	0.048	Asphalt	2020		2	City Minor	\$88,800
4414971	Drury Ln	Coach House Ln	Gentry Dr	0	0.179	0.179	Asphalt	2020		2	City Minor	\$331,150
683604	E Crest Ln	N Crest Ln	Orchard Rdg	0	0.094	0.094	Asphalt	2020		3	City Minor	\$135,360
683606	E Ridge St	Orchard Rdg	Dead End or Start	0	0.033	0.033	Asphalt	2020		2	City Minor	\$61,050
4411170	Eagle Crest Dr	E Lake St	Eagle Way	0	0.166	0.166	Asphalt	2020		2	City Minor	\$307,100
4401090	Eagle Heights Dr	Stoney Dr	11 Mile Rd	0.446	0.485	0.039	Asphalt	2020		3	City Minor	\$56,160
4401090	Eagle Heights Dr	Kestrel Ridge Dr	Pepper Dr	0	0.116	0.116	Asphalt	2020		2	City Minor	\$214,600
4401090	Eagle Heights Dr	Pepper Dr	Heights Ct	0.116	0.142	0.026	Asphalt	2020		2	City Minor	\$48,100
4401090	Eagle Heights Dr	Heights Ct	Brick Ln	0.142	0.181	0.039	Asphalt	2020		2	City Minor	\$72,150
4401090	Eagle Heights Dr	Brick Ln	Fox Ct	0.181	0.242	0.061	Asphalt	2020		2	City Minor	\$112,850
4401090	Eagle Heights Dr	Fox Ct	Deerfield Ct	0.242	0.316	0.074	Asphalt	2020		2	City Minor	\$136,900
4401090	Eagle Heights Dr	Deerfield Ct	Challenging Trl	0.316	0.38	0.064	Asphalt	2020		2	City Minor	\$118,400
4401090	Eagle Heights Dr	Challenging Trl	Stoney Dr	0.38	0.446	0.066	Asphalt	2020		2	City Minor	\$122,100
4411169	Eagle Way	E Lake St	Feather Ct	0	0.07	0.07	Asphalt	2020		2	City Minor	\$129,500
4411169	Eagle Way	Feather Ct	Eagle Crest Dr	0.07	0.11	0.04	Asphalt	2020		2	City Minor	\$74,000
4411169	Eagle Way	Eagle Crest Dr	Downey Nest	0.11	0.184	0.074	Asphalt	2020		2	City Minor	\$136,900
4411169	Eagle Way	Downey Nest	Talon Ct	0.184	0.246	0.062	Asphalt	2020		2	City Minor	\$114,700
4411169	Eagle Way	Talon Ct	Dead End or Start	0.246	0.353	0.107	Asphalt	2020		2	City Minor	\$197,950
4410318	Eastcreek Dr	S Parkwood Dr	Oak Creek Dr	0	0.057	0.057	Asphalt	2020		3	City Minor	\$82,080
4410318	Eastcreek Dr	Oak Creek Dr	Dead End or Start	0.057	0.103	0.046	Asphalt	2020		2	City Minor	\$85,100

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4413824	Easton Dr	Columbia Dr	Columbia Dr	0	0.161	0.161	Asphalt	2020	3	City Minor	\$231,840
4413824	Easton Dr	Columbia Dr	Townsend Dr	0.161	0.239	0.078	Asphalt	2020	3	City Minor	\$112,320
4413824	Easton Dr	Fairhaven Dr	E Lake St	0.343	0.479	0.136	Asphalt	2020	3	City Minor	\$195,840
4413824	Easton Dr	Townsend Dr	Fairhaven Dr	0.239	0.343	0.104	Asphalt	2020	2	City Minor	\$192,400
657508	Elm Pl	S Lafayette St	Scott St	0	0.125	0.125	Asphalt	2020	2	City Minor	\$231,250
657508	Elm Pl	Scott St	Dead End or Start	0.125	0.138	0.013	Asphalt	2020	2	City Minor	\$24,050
4413436	Equestrian Dr	Horseshoe Dr	Polo Dr	0.135	0.194	0.059	Asphalt	2020	7	City Minor	\$1,180
4413436	Equestrian Dr	Polo Dr	Name Change	0.194	0.244	0.05	Asphalt	2020	6	City Minor	\$9,300
4413436	Equestrian Dr	Shetland Dr	Horseshoe Dr	0	0.058	0.058	Asphalt	2020	3	City Minor	\$83,520
4413436	Equestrian Dr	Horseshoe Dr	Horseshoe Dr	0.058	0.135	0.077	Asphalt	2020	3	City Minor	\$110,880
4411213	Equestrian Dr	11 Mile Rd	Stable Ln	0	0.052	0.052	Asphalt	2020	2	City Minor	\$96,200
4411213	Equestrian Dr	Stable Ln	Colt Dr	0.052	0.126	0.074	Asphalt	2020	2	City Minor	\$136,900
4413436	Equestrian Dr	Name Change	Saddle Dr	0.244	0.555	0.311	Asphalt	2020	2	City Minor	\$575,350
4413436	Equestrian Dr	Saddle Dr	Colt Dr	0.555	0.635	0.08	Asphalt	2020	2	City Minor	\$148,000
4410313	Essex Dr	9 Mile Rd	Westbrooke Dr	0	0.113	0.113	Asphalt	2020	2	City Minor	\$209,050
4410314	Eton Ct	Westbrooke Dr	Dead End or Start	0	0.051	0.051	Asphalt	2020	3	City Minor	\$73,440
4410316	Fairfield Ct	S Parkwood Dr	Dead End or Start	0	0.048	0.048	Asphalt	2020	2	City Minor	\$88,800
4413725	Fairhaven Dr	Easton Dr	Dead End or Start	0	0.065	0.065	Asphalt	2020	3	City Minor	\$93,600
4411253	Feather Ct	Eagle Way	Dead End or Start	0	0.043	0.043	Asphalt	2020	2	City Minor	\$79,550
4401092	Fox Ct	Eagle Heights Dr	Dead End or Start	0	0.038	0.038	Asphalt	2020	2	City Minor	\$70,300
4414965	Gentry Dr	Carriage Trace Blvd & Buckboard Cir	Brougham Ct	0	0.114	0.114	Asphalt	2020	2	City Minor	\$210,900
4414965	Gentry Dr	Brougham Ct	Buckboard Cir	0.114	0.228	0.112	Asphalt	2020	2	City Minor	\$207,200
4414965	Gentry Dr	Buckboard Cir	Chaise Ct	0.226	0.261	0.035	Asphalt	2020	2	City Minor	\$64,750
4414965	Gentry Dr	Chaise Ct	Coach House Ln	0.261	0.304	0.043	Asphalt	2020	2	City Minor	\$79,550
4414965	Gentry Dr	Coach House Ln	Drury Ln	0.304	0.379	0.075	Asphalt	2020	2	City Minor	\$138,750
4414965	Gentry Dr	Drury Ln	Cartwright Ln	0.379	0.604	0.225	Asphalt	2020	2	City Minor	\$416,250
4414965	Gentry Dr	Cartwright Ln	Coach House Ln	0.604	0.662	0.058	Asphalt	2020	2	City Minor	\$107,300
683608	Gibson St	Whipple St	Dead End or Start	0	0.151	0.151	Asphalt	2020	2	City Minor	\$279,350
683609	Godfrey St	N Reese St	Dead End or Start	0	0.05	0.05	Asphalt	2020	1	City Minor	\$124,000
4413727	Graefield Dr	Westbrooke Dr	Stratford Dr	0	0.053	0.053	Asphalt	2020	3	City Minor	\$76,320
4413727	Graefield Dr	Stratford Dr	S Parkwood Dr	0.053	0.119	0.068	Asphalt	2020	2	City Minor	\$122,100
4401103	Grand Ct	Kestrel Ridge Dr	Dead End or Start	0	0.053	0.053	Asphalt	2020	2	City Minor	\$98,050
4414973	Hackney Ct	Buckboard Cir	Dead End or Start	0	0.093	0.093	Asphalt	2020	2	City Minor	\$172,050
657201	Hagadorn Ct	N Ridge St	Dead End or Start	0	0.082	0.082	Asphalt	2020	2	City Minor	\$151,700
657505	Harvard Ave	Oxford Ave	Pontiac Trl	0.175	0.342	0.167	Asphalt	2020	6	City Minor	\$31,062
657505	Harvard Ave	asphalt concrete	Oxford Ave	0.155	0.175	0.02	Asphalt	2020	5	City Minor	\$15,400
657505	Harvard Ave	Vasser Ave	asphalt concrete	0	0.155	0.155	Concrete	2020	3	City Minor	\$223,200
683701	Hearthside St	Wellington Dr	Norchester St	0	0.182	0.182	Asphalt	2020	4	City Minor	\$187,460
4401099	Heights Ct	Eagle Heights Dr	Dead End or Start	0	0.028	0.028	Asphalt	2020	2	City Minor	\$51,800
4410320	Hidden Creek Dr	Wood Run	Huntington Dr	0.24	0.3	0.06	Asphalt	2020	4	City Minor	\$61,800
4410320	Hidden Creek Dr	Huntington Dr	Princeton Dr	0.3	0.385	0.085	Asphalt	2020	4	City Minor	\$87,550

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4410320	Hidden Creek Dr	9 Mile Rd	Ridgefield Ct	0	0.103	0.103	Asphalt	2020		3	City Minor	\$148,320
4410320	Hidden Creek Dr	Ridgefield Ct	West Hills Dr	0.103	0.167	0.064	Asphalt	2020		3	City Minor	\$92,160
4410320	Hidden Creek Dr	West Hills Dr	Wood Run	0.167	0.24	0.073	Asphalt	2020		3	City Minor	\$105,120
4410320	Hidden Creek Dr	Princeton Dr	Name Change	0.385	0.528	0.143	Asphalt	2020		3	City Minor	\$205,920
4410320	Hidden Creek Dr	Name Change	Huntington Dr	0.528	0.575	0.047	Asphalt	2020		3	City Minor	\$67,680
4410320	Hidden Creek Dr	Huntington Dr	West Hills Cir	0.575	0.623	0.048	Asphalt	2020		3	City Minor	\$69,120
4410320	Hidden Creek Dr	West Hills Cir	West Hills Cir & West Hills Dr	0.623	0.634	0.011	Asphalt	2020		2	City Minor	\$20,350
4413437	Horseshoe Dr	Cantor Ln	Cantor Ln	0	0.162	0.162	Asphalt	2020		2	City Minor	\$299,700
4410324	Huntington Dr	Hidden Creek Dr	Parkridge Dr	0	0.276	0.276	Asphalt	2020		3	City Minor	\$397,440
683703	Jean Rd	Attribute Change	McMunn St	0.042	0.128	0.086	Asphalt	2020		1	City Minor	\$213,280
4401098	Kestrel Ridge Dr	N Mill St	concrete asphalt	0	0.063	0.063	Concrete	2020		4	City Minor	\$64,890
4401098	Kestrel Ridge Dr	concrete asphalt	Lyon Blvd & Kestrel Ct	0.063	0.098	0.035	Asphalt	2020		2	City Minor	\$64,750
4401098	Kestrel Ridge Dr	Lyon Blvd & Kestrel Ct	Grand Ct	0.098	0.183	0.085	Asphalt	2020		2	City Minor	\$157,250
4401098	Kestrel Ridge Dr	Grand Ct	Eagle Heights Dr	0.183	0.249	0.066	Asphalt	2020		2	City Minor	\$122,100
4401100	Knollwood Cir	Attribute Change	Eagle Heights Dr	0.224	0.276	0.052	Asphalt	2020		2	City Minor	\$96,200
683704	Lennox St	McMunn St	S Warren St	0	0.082	0.082	Asphalt	2020		3	City Minor	\$118,080
657604	Lottie St	Pettibone St	N Reese St	0.073	0.144	0.071	Asphalt	2020		4	City Major	\$73,130
657604	Lottie St	N Lafayette St	Pettibone St	0	0.073	0.073	Asphalt	2020		3	City Major	\$105,120
657604	Lottie St	N Reese St	Donovan St	0.144	0.207	0.063	Asphalt	2020		1	City Minor	\$156,240
657709	Lyon Blvd	Norchester St	Attribute Change	0.481	0.51	0.029	Asphalt	2020		4	City Minor	\$29,870
657709	Lyon Blvd	E Lake St	Lyon Ct	0	0.233	0.233	Asphalt	2020		3	City Minor	\$335,520
657709	Lyon Blvd	Lyon Ct	Mayfair	0.233	0.318	0.085	Asphalt	2020		3	City Minor	\$122,400
657709	Lyon Blvd	Mayfair	Norchester St	0.318	0.481	0.163	Asphalt	2020		3	City Minor	\$234,720
657709	Lyon Blvd	Lyon Blvd & Kestrel Ridge Dr	Dead End or Start	0.539	0.609	0.07	Asphalt	2020		2	City Minor	\$129,500
683716	Lyon Ct	Lyon Blvd	Dead End or Start	0	0.052	0.052	Asphalt	2020		3	City Minor	\$74,880
683726	Lyon Ct	Lyon Blvd	Dead End or Start	0	0.043	0.043	Asphalt	2020		3	City Minor	\$61,920
683601	Mayfair	Covington St	Wellington Dr	0.106	0.143	0.037	Asphalt	2020		4	City Minor	\$38,110
683601	Mayfair	Dead End or Start	Lyon Blvd	0	0.033	0.033	Asphalt	2020		3	City Minor	\$47,520
683601	Mayfair	Lyon Blvd	Covington St	0.033	0.106	0.073	Asphalt	2020		3	City Minor	\$105,120
657701	McMunn St	concrete asphalt	Jean Rd	0.035	0.049	0.014	Asphalt	2020		3	City Minor	\$20,160
657701	McMunn St	Jean Rd	Cape Cod Dr	0.049	0.065	0.016	Asphalt	2020		3	City Minor	\$23,040
657701	McMunn St	Cape Cod Dr	Dorothy St	0.065	0.113	0.048	Asphalt	2020		3	City Minor	\$69,120
657701	McMunn St	Cambridge Ave	concrete asphalt	0	0.035	0.035	Concrete	2020		3	City Minor	\$50,400
657708	Mill St	E Liberty St	CSX Transportation	0.067	0.088	0.021	Asphalt	2020		7	City Major	\$420
657708	Mill St	South St	E Liberty St	0	0.067	0.067	Asphalt	2020		2	City Major	\$123,950
657708	Mill St	CSX Transportation	E Lake St	0.088	0.143	0.055	Asphalt	2020		2	City Major	\$101,750
683605	N Crest Ln	W Crest Ln	E Crest Ln	0	0.045	0.045	Asphalt	2020		3	City Minor	\$64,800
657610	N Hagadorn St	W Liberty St	N Hagadorn St & W Lake St	0	0.067	0.067	Asphalt	2020		2	City Minor	\$123,950
657610	N Hagadorn St	S Hagadorn St & W Lake St	Whipple St	0.067	0.128	0.061	Asphalt	2020		2	City Minor	\$112,850
657610	N Hagadorn St	Whipple St	2nd St	0.128	0.192	0.064	Asphalt	2020		2	City Minor	\$118,400
657610	N Hagadorn St	2nd St	Chester St	0.192	0.35	0.158	Asphalt	2020		2	City Minor	\$292,300

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657610	N Hagadorn St	Chester St	S Ridge St	0.35	0.369	0.019	Asphalt	2020		2	City Minor	\$35,150
657610	N Hagadorn St	S Ridge St	Orchard Rdg	0.369	0.433	0.064	Asphalt	2020		2	City Minor	\$118,400
657610	N Hagadorn St	Orchard Rdg	N Ridge St	0.433	0.552	0.119	Asphalt	2020		2	City Minor	\$220,150
657707	N Mill St	E Lake St	Kestrel Ridge Dr	0	0.496	0.496	Concrete	2020		2	City Major	\$917,600
657705	N Reese St	Dead End or Start	E Liberty St	0	0.03	0.03	Asphalt	2020		4	City Minor	\$30,900
657705	N Reese St	S Reese St & E Lake St	Godfrey St	0.094	0.147	0.053	Asphalt	2020		4	City Major	\$54,590
657705	N Reese St	Godfrey St	Detroit St	0.147	0.187	0.04	Asphalt	2020		3	City Major	\$57,600
657705	N Reese St	Detroit St	CSX Transportation	0.187	0.216	0.029	Asphalt	2020		3	City Major	\$41,760
657705	N Reese St	CSX Transportation	Abel St	0.216	0.282	0.066	Asphalt	2020		3	City Major	\$95,040
657705	N Reese St	Abel St	Lottie St	0.282	0.368	0.086	Asphalt	2020		3	City Major	\$123,840
657705	N Reese St	E Liberty St	E Lake St & N Reese St	0.03	0.094	0.064	Asphalt	2020		2	City Minor	\$118,400
683508	N Ridge St	N Hagadorn St	Hagadorn Ct	0	0.012	0.012	Asphalt	2020		1	City Minor	\$29,760
683508	N Ridge St	Hagadorn Ct	Center Rdg	0.012	0.058	0.046	Asphalt	2020		1	City Minor	\$114,080
683508	N Ridge St	Center Rdg	Dead End or Start	0.058	0.086	0.028	Asphalt	2020		1	City Minor	\$69,440
657704	N Wells St	E Lake St & S Wells St	Detroit St	0.063	0.161	0.098	Concrete	2020		3	City Major	\$141,120
657704	N Wells St	E Liberty St	N Wells St & E Lake St	0	0.063	0.063	Asphalt	2020		2	City Major	\$116,550
683602	Norchester St	Lyon Blvd	Covington St	0	0.062	0.062	Asphalt	2020		6	City Minor	\$11,532
683602	Norchester St	Covington St	Wellington Dr	0.062	0.133	0.071	Asphalt	2020		4	City Minor	\$73,130
683702	Norchester St	Hearthside St	Norchester St	0	0.019	0.019	Asphalt	2020		4	City Minor	\$19,570
4410317	Oak Creek Dr	Westbrook Dr & Westbrooke Dr	Eastcreek Dr	0	0.218	0.218	Asphalt	2020		2	City Minor	\$403,300
4410317	Oak Creek Dr	Eastcreek Dr	Dead End or Start	0.218	0.316	0.098	Asphalt	2020		2	City Minor	\$181,300
683507	Orchard Rdg	W Crest Ln	E Crest Ln	0	0.049	0.049	Asphalt	2020		2	City Minor	\$90,650
683507	Orchard Rdg	E Crest Ln	N Hagadorn St	0.049	0.099	0.05	Asphalt	2020		2	City Minor	\$92,500
683507	Orchard Rdg	N Hagadorn St	Center Rdg	0.099	0.162	0.063	Asphalt	2020		2	City Minor	\$116,550
683507	Orchard Rdg	Center Rdg	E Ridge St	0.162	0.221	0.059	Asphalt	2020		2	City Minor	\$109,150
4401149	Orchard Rdg	W Crest Ln	Dead End or Start	0	0.018	0.018	Asphalt	2020		2	City Minor	\$33,300
4411920	Oxford Ave	University Ave	Dead End or Start	0	0.028	0.028	Asphalt	2020		7	City Minor	\$560
683504	Oxford Ave	Harvard Ave	concrete asphalt	0.059	0.092	0.033	Asphalt	2020		6	City Minor	\$6,138
683504	Oxford Ave	University Ave	Harvard Ave	0	0.059	0.059	Asphalt	2020		4	City Minor	\$60,770
683504	Oxford Ave	Stanford Ave	Cambridge Ave	0.117	0.174	0.057	Concrete	2020		4	City Minor	\$58,710
683504	Oxford Ave	concrete asphalt	Stanford Ave	0.092	0.117	0.025	Concrete	2020		3	City Minor	\$36,000
5495901	Pepper Dr	Glenmeadows Dr	Eagle Heights Dr	0	0.124	0.124	Asphalt	2020		3	City Minor	\$178,560
4410659	Pettibone St	Lottie St	Dead End or Start	0	0.08	0.08	Asphalt	2020		3	City Minor	\$115,200
657603	Pettibone St	Name Change	Detroit St	0.071	0.152	0.081	Asphalt	2020		2	City Minor	\$149,850
657603	Pettibone St	N Lafayette St	Name Change	0	0.071	0.071	Asphalt	2020		1	City Minor	\$176,080
4413438	Polo Dr	Shelldand Dr	Corral Ln	0	0.068	0.068	Asphalt	2020		3	City Minor	\$97,920
4413438	Polo Dr	Corral Ln	Cantor Ln	0.068	0.273	0.205	Asphalt	2020		2	City Minor	\$379,250
4410325	Princeton Dr	Clarks Ct	Pontiac Trl	0.071	0.641	0.57	Asphalt	2020		3	City Minor	\$820,800
4410325	Princeton Dr	Hidden Creek Dr	Clarks Ct	0	0.071	0.071	Asphalt	2020		2	City Minor	\$131,350
4410321	Ridgefield Ct	Hidden Creek Dr	Dead End or Start	0	0.035	0.035	Asphalt	2020		3	City Minor	\$50,400
4401182	Roaring Brook Dr	Creekview Dr	Brookfield Dr	0	0.116	0.116	Concrete	2020		3	City Minor	\$167,040

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4401155	S Hagadorn St	Cambridge Ave	concrete asphalt	0	0.03	0.03	Concrete	2020		4	City Minor	\$30,900
683501	S Hagadorn St	Dorothy St	Ada St	0	0.062	0.062	Asphalt	2020		3	City Minor	\$89,280
4401155	S Hagadorn St	concrete asphalt	Jean Rd	0.03	0.044	0.014	Asphalt	2020		2	City Minor	\$25,900
4410315	S Parkwood Dr	Westbrooke Dr	Graefield Dr	0	0.197	0.197	Asphalt	2020		3	City Minor	\$283,680
4410315	S Parkwood Dr	Graefield Dr	Eastcreek Dr	0.197	0.245	0.048	Asphalt	2020		2	City Minor	\$88,800
4410315	S Parkwood Dr	Eastcreek Dr	Fairfield Ct	0.245	0.257	0.012	Asphalt	2020		2	City Minor	\$22,200
4410315	S Parkwood Dr	Fairfield Ct	Dead End or Start	0.257	0.403	0.146	Asphalt	2020		2	City Minor	\$270,100
683506	S Ridge St	N Hagadorn St	Center Rdg	0	0.062	0.062	Asphalt	2020		2	City Minor	\$114,700
683506	S Ridge St	Center Rdg	Dead End or Start	0.062	0.094	0.032	Asphalt	2020		1	City Minor	\$79,360
657702	S Warren St	Whipple St	2nd St	0.255	0.318	0.063	Asphalt	2020		4	City Major	\$64,890
657702	S Warren St	2nd St	Dead End or Start	0.318	0.352	0.034	Asphalt	2020		3	City Major	\$48,960
657702	S Warren St	W McHattie St	Lennox St	0	0.063	0.063	Asphalt	2020		2	City Major	\$116,550
657702	S Warren St	Lennox St	W Liberty St	0.063	0.128	0.065	Asphalt	2020		2	City Major	\$120,250
657702	S Warren St	W Liberty St	W Lake St & N Warren St	0.128	0.194	0.066	Asphalt	2020		2	City Major	\$122,100
657702	S Warren St	S Warren St & W Lake St	Whipple St	0.194	0.255	0.061	Asphalt	2020		2	City Major	\$112,850
4413440	Saddle Dr	Equestrian Dr	Appaloosa Ct	0	0.068	0.068	Asphalt	2020		2	City Minor	\$125,800
4413440	Saddle Dr	Appaloosa Ct	Name Change	0.068	0.144	0.076	Asphalt	2020		2	City Minor	\$140,600
4413440	Saddle Dr	Name Change	Dead End or Start	0.144	0.208	0.064	Asphalt	2020		2	City Minor	\$118,400
683607	Scott St	E McHattie St	Elm Pl	0	0.062	0.062	Asphalt	2020		4	City Minor	\$63,860
4412222	Shetland Dr	11 Mile Rd	Colt Dr	0	0.039	0.039	Asphalt	2020		3	City Minor	\$56,160
4412222	Shetland Dr	Colt Dr	Colt Dr	0.039	0.205	0.166	Asphalt	2020		3	City Minor	\$239,040
4412222	Shetland Dr	Corral Ln	Polo Dr	0.295	0.385	0.09	Asphalt	2020		3	City Minor	\$129,600
4412222	Shetland Dr	Cantor Ln	Dead End or Start	0.505	0.522	0.017	Asphalt	2020		3	City Minor	\$24,480
4412222	Shetland Dr	Colt Dr	Corral Ln	0.205	0.295	0.09	Asphalt	2020		2	City Minor	\$166,500
4412222	Shetland Dr	Polo Dr	Cantor Ln	0.385	0.505	0.12	Asphalt	2020		2	City Minor	\$222,000
683707	South St	Stryker St	Mill St	0	0.071	0.071	Asphalt	2020		2	City Major	\$131,350
4412279	Stable Ln	Colt Dr	Equestrian Dr	0	0.154	0.154	Asphalt	2020		3	City Minor	\$221,760
683710	Stanford Ave	Vasser Ave	asphalt concrete	0	0.006	0.006	Asphalt	2020		5	City Minor	\$4,620
4401156	Stanford Ave	Vasser Ave	Dead End or Start	0	0.03	0.03	Asphalt	2020		3	City Minor	\$43,200
683710	Stanford Ave	asphalt concrete	Oxford Ave	0.006	0.154	0.148	Concrete	2020		3	City Minor	\$213,120
4401091	Stoney Dr	Brick Ln	Dead End or Start	0.302	0.359	0.057	Asphalt	2020		3	City Minor	\$82,080
4401091	Stoney Dr	Eagle Heights Dr	Deerfield Ct	0	0.192	0.192	Asphalt	2020		2	City Minor	\$355,200
4401091	Stoney Dr	Deerfield Ct	Arrow Dr	0.192	0.259	0.067	Asphalt	2020		2	City Minor	\$123,950
4401091	Stoney Dr	Arrow Dr	Brick Ln	0.259	0.302	0.043	Asphalt	2020		2	City Minor	\$79,550
4401094	Stoney Dr	Eagle Heights Dr	Dead End or Start	0	0.04	0.04	Asphalt	2020		2	City Minor	\$74,000
4410319	Stratford Dr	Westbrooke Dr	Devon Ct	0	0.065	0.065	Asphalt	2020		2	City Minor	\$120,250
4410319	Stratford Dr	Devon Ct	Graefield Dr	0.065	0.195	0.13	Asphalt	2020		2	City Minor	\$240,500
4401162	Stryker St	Stryker St	Dead End or Start	0.025	0.068	0.043	Asphalt	2020		3	City Minor	\$61,920
657706	Stryker St	Stryker St	South St	0	0.136	0.136	Asphalt	2020		2	City Minor	\$251,600
657706	Stryker St	South St	Reynold Sweet Pkwy	0.136	0.191	0.055	Asphalt	2020		2	City Major	\$101,750
4414974	Surrey Ln	Buckboard Cir	Buckboard Cir	0	0.235	0.235	Asphalt	2020		2	City Minor	\$434,750

Surface Rating Report

Sorted by Road Name



PRNo	RoadName	FromDesc	ToDesc	Bmp	Emp	Length	SurfType	EvalYr	Est_Rating	LegalSys	Repair Costs
4412332	Talon Ct	Eagle Way	Martindale Rd	0	0.107	0.107	Asphalt	2020	3	City Minor	\$154,080
4414977	Timber Trail Ct	Dixboro Rd	Crestwood Ct	0	0.043	0.043	Asphalt	2020	3	City Minor	\$61,920
4414977	Timber Trail Ct	Crestwood Ct	Dead End or Start	0.043	0.143	0.1	Asphalt	2020	3	City Minor	\$144,000
4413728	Townsend Dr	Easton Dr	Dead End or Start	0	0.105	0.105	Asphalt	2020	3	City Minor	\$151,200
634407	University Ave	Vasser Ave	concrete asphalt	0	0.05	0.05	Asphalt	2020	5	City Minor	\$38,500
634407	University Ave	asphalt concrete	Oxford Ave	0.15	0.173	0.023	Asphalt	2020	4	City Minor	\$23,690
634407	University Ave	Oxford Ave	Oxford Ave	0.173	0.207	0.034	Asphalt	2020	4	City Minor	\$35,020
634407	University Ave	Oxford Ave	Pontiac Trl	0.207	0.338	0.131	Asphalt	2020	3	City Minor	\$188,640
634407	University Ave	concrete asphalt	asphalt concrete	0.05	0.15	0.1	Concrete	2020	3	City Minor	\$144,000
683503	Vasser Ave	University Ave	Harvard Ave	0	0.055	0.055	Asphalt	2020	3	City Minor	\$79,200
683503	Vasser Ave	Harvard Ave	Stanford Ave	0.055	0.114	0.059	Asphalt	2020	3	City Minor	\$84,960
683503	Vasser Ave	Stanford Ave	Stanford Ave	0.114	0.163	0.049	Concrete	2020	2	City Minor	\$90,650
683708	W Crest Ln	Orchard Rdg	N Crest Ln	0	0.093	0.093	Asphalt	2020	3	City Minor	\$133,920
657509	W Liberty St	S Lafayette St & W Liberty St	S Wells St	0.372	0.432	0.06	Asphalt	2020	3	City Major	\$86,400
657509	W Liberty St	Reynold Sweet Pkwy	Mill St	0.626	0.704	0.078	Asphalt	2020	3	City Minor	\$112,320
657509	W Liberty St	Washington St	E Liberty St & S Lafayette St	0.293	0.372	0.078	Concrete	2020	3	City Major	\$113,760
657509	W Liberty St	S Hagadom St	McMunn St	0	0.124	0.124	Asphalt	2020	2	City Minor	\$229,400
657509	W Liberty St	McMunn St	S Warren St	0.124	0.206	0.082	Asphalt	2020	2	City Major	\$151,700
657509	W Liberty St	S Warren St	Washington St	0.206	0.293	0.087	Asphalt	2020	2	City Major	\$160,950
657509	W Liberty St	S Wells St	S Reese St	0.432	0.517	0.085	Asphalt	2020	2	City Minor	\$157,250
657509	W Liberty St	S Reese St	Reynold Sweet Pkwy	0.517	0.626	0.109	Asphalt	2020	2	City Minor	\$201,650
657507	W McHattie St	McMunn St	S Warren St	0	0.082	0.082	Asphalt	2020	3	City Major	\$118,080
657507	W McHattie St	S Warren St	Washington St	0.082	0.169	0.087	Asphalt	2020	2	City Major	\$160,950
657507	W McHattie St	Washington St	S Lafayette St & E McHattie St	0.169	0.25	0.081	Asphalt	2020	2	City Major	\$149,850
657507	W McHattie St	S Lafayette St & W McHattie St	Scott St	0.25	0.372	0.122	Asphalt	2020	2	City Minor	\$225,700
657703	Washington St	W Liberty St	W Lake St	0.197	0.262	0.065	Concrete	2020	5	City Major	\$50,050
657703	Washington St	W McHattie St	W Liberty St	0.07	0.197	0.127	Asphalt	2020	2	City Minor	\$234,950
657703	Washington St	Dead End or Start	W McHattie St	0	0.07	0.07	Asphalt	2020	1	City Minor	\$173,600
657710	Wellington Dr	Brookwood Dr & E Lake St	Winchester St	0	0.118	0.118	Asphalt	2020	4	City Minor	\$121,540
657710	Wellington Dr	Winchester St	Mayfair	0.28	0.323	0.043	Asphalt	2020	4	City Minor	\$44,290
657710	Wellington Dr	Mayfair	Hearthside St	0.323	0.388	0.065	Asphalt	2020	4	City Minor	\$66,950
657710	Wellington Dr	Hearthside St	Norchester St	0.388	0.462	0.074	Asphalt	2020	4	City Minor	\$76,220
657710	Wellington Dr	Winchester St	Winchester St	0.118	0.28	0.162	Asphalt	2020	3	City Minor	\$233,280
657710	Wellington Dr	Wellington Dr	Glenmeadows Dr	0.462	0.536	0.074	Asphalt	2020	3	City Minor	\$106,560
657710	Wellington Dr	Glenmeadows Dr	Norchester St	0.536	0.611	0.075	Asphalt	2020	3	City Minor	\$108,000
4410326	West Hills Cir	Parkridge Dr & West Hills Dr	Parkridge Dr	0	0.047	0.047	Asphalt	2020	3	City Minor	\$67,680
4410323	West Hills Dr	Hidden Creek Dr	Parkridge Dr & West Hills Cir	0	0.338	0.338	Asphalt	2020	3	City Minor	\$486,720
4410312	Westbrooke Dr	9 Mile Rd	Oak Creek Dr & Westbrooke Dr	0	0.035	0.035	Asphalt	2020	2	City Minor	\$64,750
4410312	Westbrooke Dr	Westbrook Dr & Oak Creek Dr	S Parkwood Dr	0.035	0.084	0.049	Asphalt	2020	2	City Minor	\$90,650
4410312	Westbrooke Dr	S Parkwood Dr	Stratford Dr	0.084	0.167	0.083	Asphalt	2020	2	City Minor	\$153,550
4410312	Westbrooke Dr	Stratford Dr	Essex Dr	0.167	0.247	0.08	Asphalt	2020	2	City Minor	\$148,000

Surface Rating Report

Sorted by Road Name



PRNo	RoadName	FromDesc	ToDesc	Bmp	Emp	Length	SurfType	EvalYr	Est_Rating	LegalSys	Repair Costs
4410312	Westbrooke Dr	Essex Dr	Eton Ct	0.247	0.39	0.143	Asphalt	2020	2	City Minor	\$264,550
4410312	Westbrooke Dr	Eton Ct	Graefield Dr	0.39	0.449	0.059	Asphalt	2020	2	City Minor	\$109,150
4410312	Westbrooke Dr	Graefield Dr	Dead End or Start	0.449	0.707	0.258	Asphalt	2020	2	City Minor	\$477,300
657601	Whipple St	N Warren St	N Lafayette St	0.298	0.463	0.165	Asphalt	2020	4	City Major	\$169,950
657601	Whipple St	Calkins St	Gibson St	0	0.022	0.022	Asphalt	2020	2	City Minor	\$40,700
657601	Whipple St	Gibson St	N Hagadorn St	0.022	0.09	0.068	Asphalt	2020	2	City Minor	\$125,800
657601	Whipple St	N Hagadorn St	N Warren St	0.09	0.298	0.208	Asphalt	2020	2	City Minor	\$384,800
684005	Winchester St	Wellington Dr	Wellington Dr	0	0.234	0.234	Asphalt	2020	3	City Minor	\$336,960
4410322	Wood Run	Hidden Creek Dr	Dead End or Start	0	0.112	0.112	Asphalt	2020	3	City Minor	\$161,280
Total						25.713					\$41,461,860

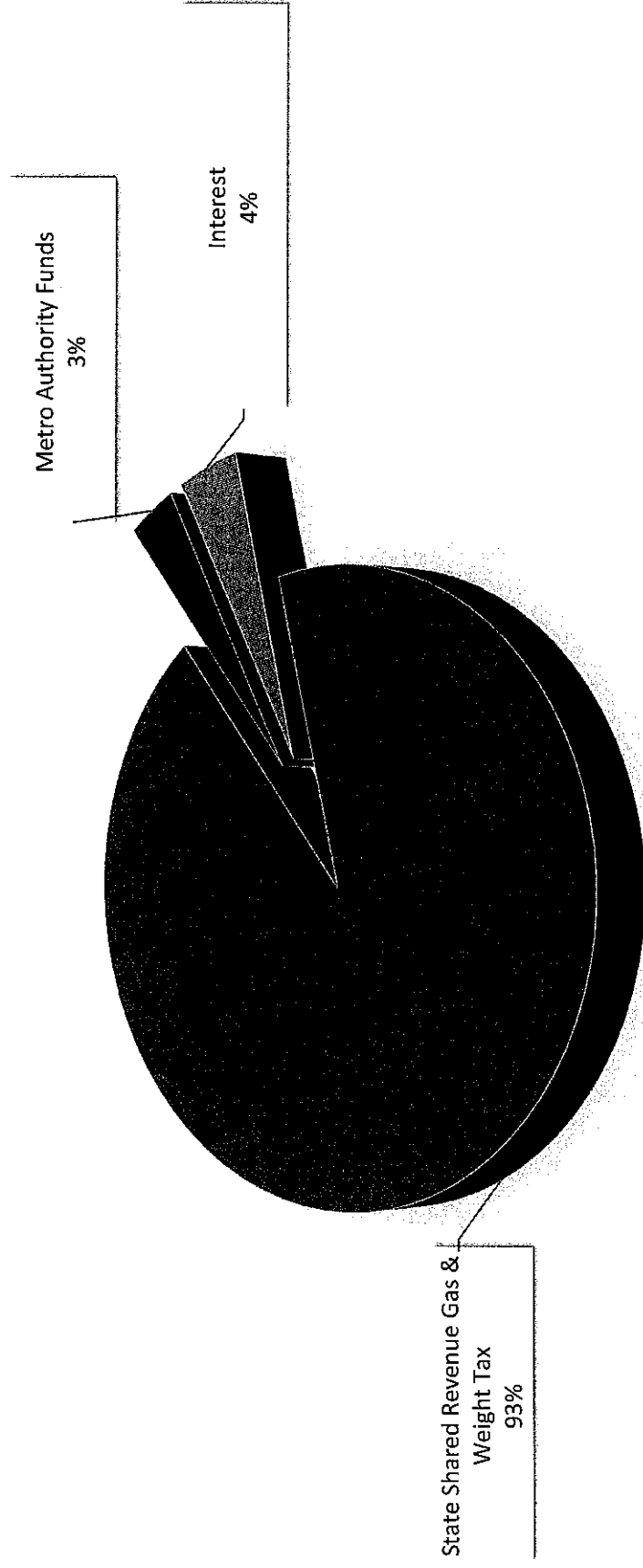
202 MAJOR STREETS OPERATIONS							
REVENUES							
Revenue	Description	Audited 2018-2019	Proposed 2019-2020	Amended 2019-2020	Proposed 2020-2021	Proposed 2021-2022	Proposed 2021-2022
569	Federal Grant						
574	State Shared Rev Gas & Wgt Tax	701,906	662,778	662,778	693,265	785,177	789,185
664	Interest Income	24,520	19,750	19,750	24,000	24,600	25,215
669-200	Metro Authority	30,289	30,000	30,000	30,000	30,000	30,000
676-101	Contribution-General Fund						
676-401	Contribution-Capitol Improvement						
694	Other Revenue-Tri Party						
698	Sundry						
699	Transfers In						
	TOTAL REVENUES	756,715	712,528	712,528	747,265	839,777	844,400
	BEGINNING FUND BALANCE	1,892,511	2,392,480	2,392,480	2,654,467	2,964,436	3,488,658
	TOTAL REVENUES	756,715	712,528	712,528	747,265	839,777	844,400
	TOTAL EXPENDITURES	256,746	450,541	450,541	437,296	315,555	323,304
	ENDING FUND BALANCE	2,392,480	2,654,467	2,654,467	2,964,436	3,488,658	4,009,754
Printed:	5/29/2020						

EXPENDITURES

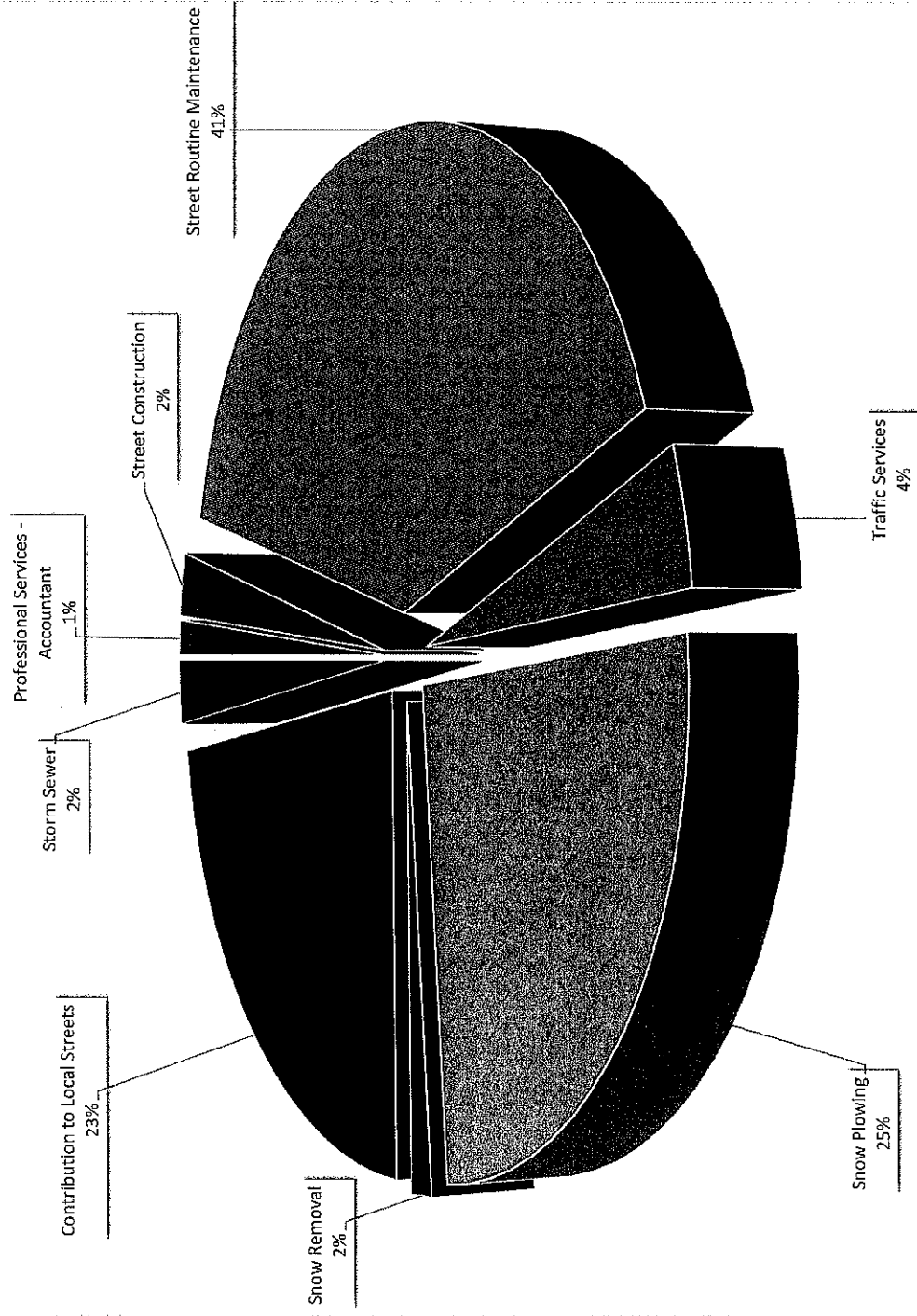
202 MAJOR STREETS OPERATION							
EXPENDITURES							
Expenditure	Description	Audited 2018-2019	Proposed 2019-2020	Amended 2019-2020	Proposed 2020-2021	Proposed 2021-2022	Proposed 2022-2023
212	Accountant						
801	Professional Service	4,290	5,600	5,600	5,600	5,600	5,600
	SUBTOTAL	4,290	5,600	5,600	5,600	5,600	5,600
451	Street Construction						
715-720	Fringe Benefits	170					
801	Professional Services	614					
802	Contractual Services (Seal Coat)		12,150	12,150	10,000	10,250	10,506
802-100	Contractual Services (Major Street)						
802-200	Contractual Services Tri-Party (Signal Marjorie Ann)						
	SUBTOTAL	784	12,150	12,150	10,000	10,250	10,506
463	Street Routine Maintenance						
702	Wages/Salaries	70,650	80,489	80,489	83,027	85,102	87,230
715-720	Fringe Benefits	40,075	41,887	41,887	51,533	52,821	54,142
740	Operating Expense	2,451	5,000	5,000	5,000	5,125	5,253
801	Professional Services						
910	Insurance & Bonds	60	60	60	60	62	63
930	Repair & Maintenance	16,417	26,640	26,640	25,500	26,138	26,791
940	Equipment Charges	14,000	14,000	14,000	12,000	12,300	12,608
	SUBTOTAL	143,653	168,076	168,076	177,120	181,548	186,086
474	Traffic Services						
702	Wages/Salaries	1,852	3,059	3,059	2,127	2,180	2,234
715-720	Fringe Benefits	881	2,020	2,020	1,413	1,448	1,484
740	Operating Expense	2,473	10,000	10,000	5,000		
924	Traffic Signals	2,084	10,200	10,200	10,200		
	SUBTOTAL	7,290	25,279	25,279	18,739	3,628	3,719
478	Snow Plowing						
702	Wages/Salaries	28,824	37,189	37,189	33,102	33,930	34,778
715-720	Fringe Benefits	12,993	24,558	24,558	21,987	22,536	23,100
740	Operating Expense	31,404	44,500	44,500	44,500	45,613	46,753
930	Repair & Maintenance						
940	Equipment Charges	12,500	12,500	12,500	10,000		
	SUBTOTAL	85,721	118,747	118,747	109,589	102,078	104,630
479	SNOW REMOVAL						
702	Wages/Salaries	4,642	5,129	5,129	5,331	5,464	5,600
715-720	Fringe Benefits	2,159	761	761	733	751	770
	SUBTOTAL	6,800	5,890	5,890	6,064	6,215	6,371
485	TRANSFER BETWEEN FUNDS						
969-203	Contribution-Local Streets	-	100,000	100,000	100,000		
	SUBTOTAL	-	100,000	100,000	100,000	-	-
491	Storm Sewer						
702	Wages/Salaries	3,183	6,444	6,444	3,656	3,747	3,841
715-720	Fringe Benefits	1,433	4,255	4,255	2,428	2,489	2,551
740	Operating Expense	3,591	4,100	4,100	4,100		
	SUBTOTAL	8,207	14,799	14,799	10,184	6,236	6,392
	TOTAL EXPENDITURES	256,746	450,541	450,541	437,296	315,555	323,304
Printed: 5/29/2020							

203 LOCAL STREET OPERATIONS							
REVENUES							
Revenue	Description	Audited 2018-2019	Proposed 2019-2020	Amended 2019-2020	Proposed 2020-2021	Proposed 2021-2022	Proposed 2022-2023
574	Gas & Wgt. Tax	310,703	285,649	285,649	251,868	339,286	341,018
626-100	Major & Local Misc. Revenue						
664	Interest Income	3,376	2,350	2,350	3,500	3,588	3,677
676-101	Contribution-General Fund						
676-202	Contribution-Major Street		100,000	100,000	100,000		
676-401	Contribution-Capital Improvement						
692-100	Grant - Oakland County	25,349					
694	Other Revenue-Tri Party						
698	Proceeds from Sale of Bonds						
	TOTAL	339,428	387,999	387,999	355,368	342,874	344,695
	BEGINNING FUND BALANCE	333,514	417,116	417,116	482,374	530,875	625,180
	TOTAL REVENUES	339,428	387,999	387,999	355,368	342,874	344,695
	TOTAL EXPENDITURES	255,826	322,741	322,741	306,867	248,568	254,642
	ENDING FUND BALANCE	417,116	482,374	482,374	530,875	625,180	715,233
Printed: 5/29/2020							

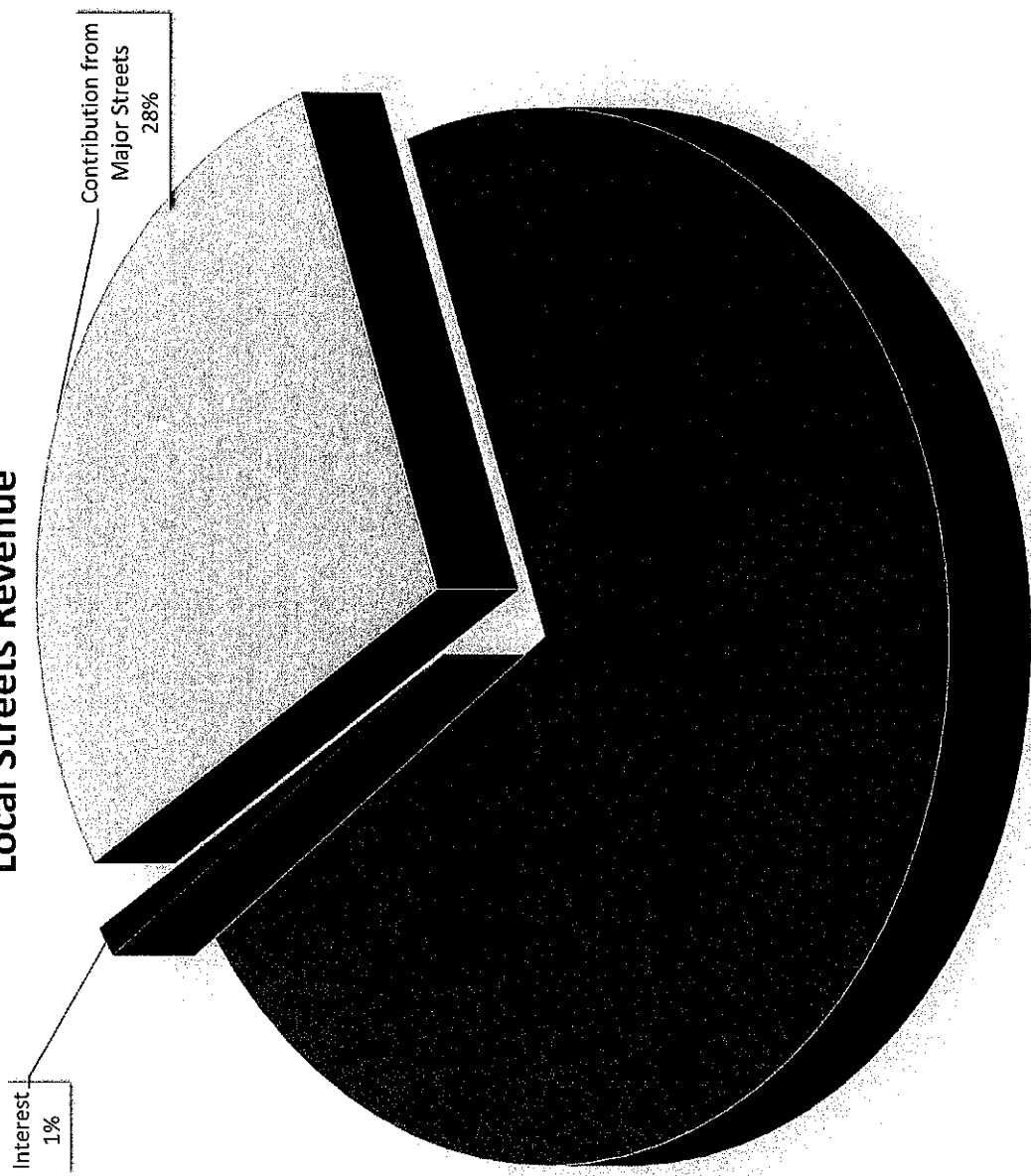
Major Streets Revenue



Major Street Expenses

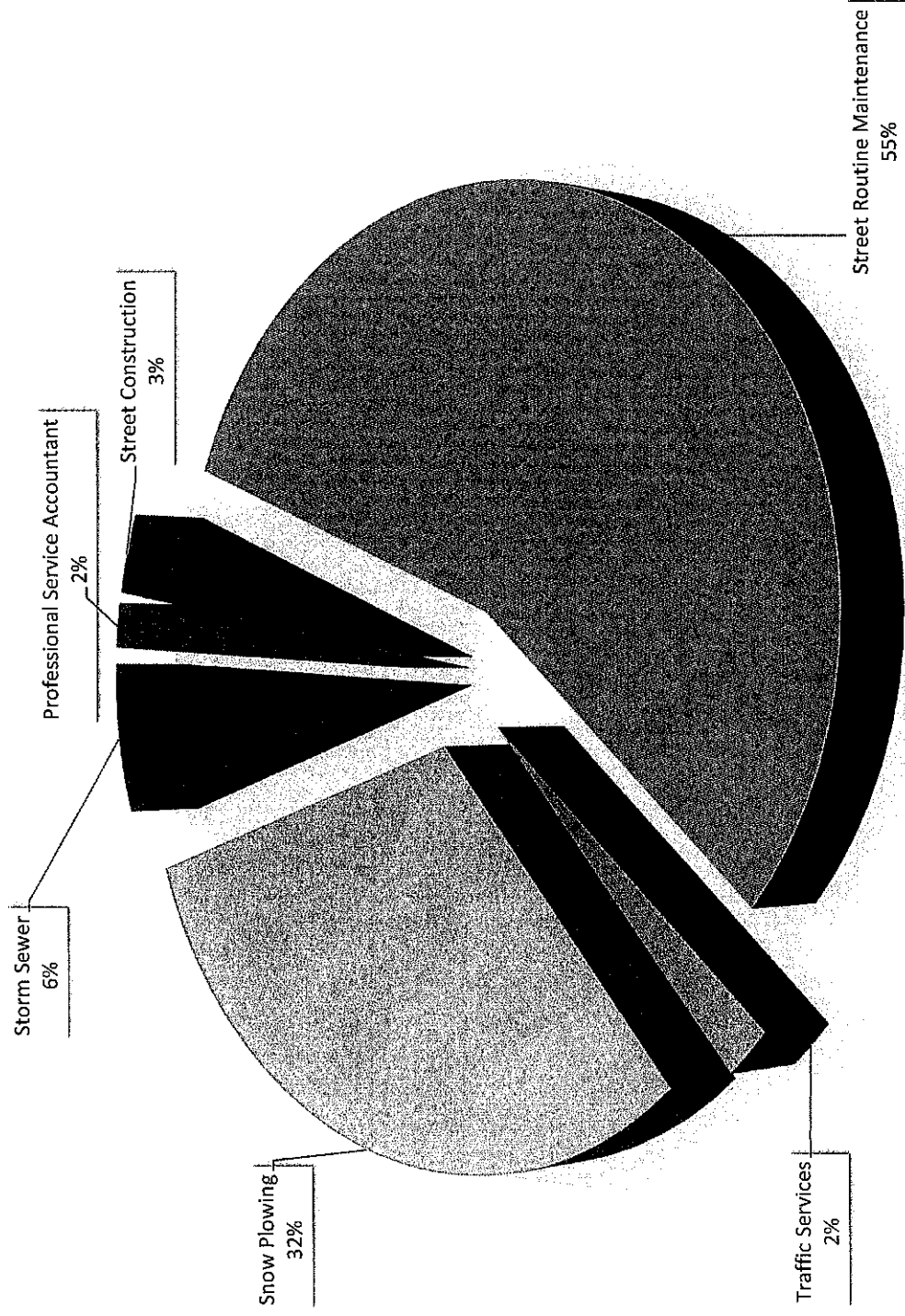


Local Streets Revenue



State Shared Revenue
Gas & Weight Tax
71%

Local Street Expenses



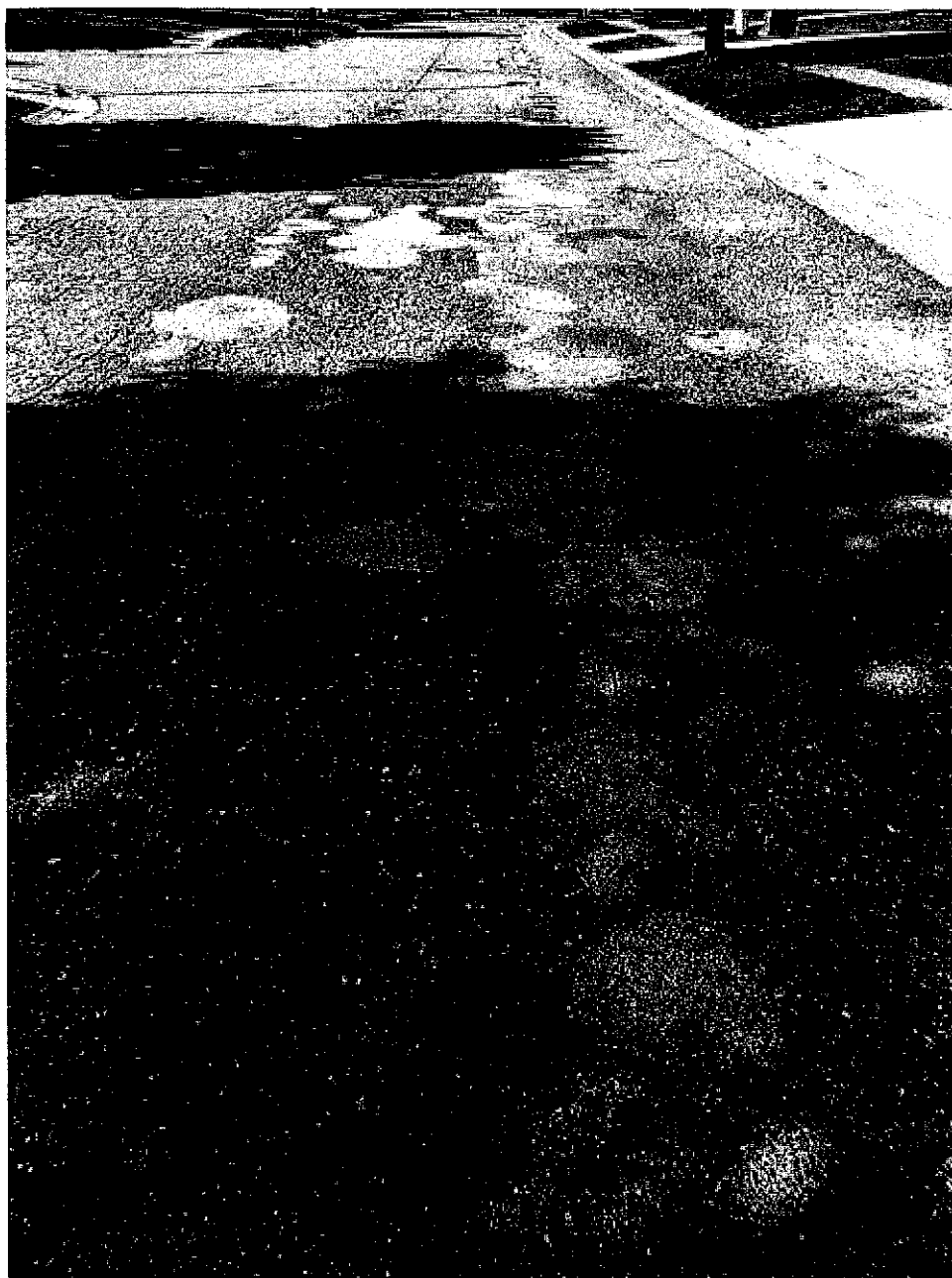
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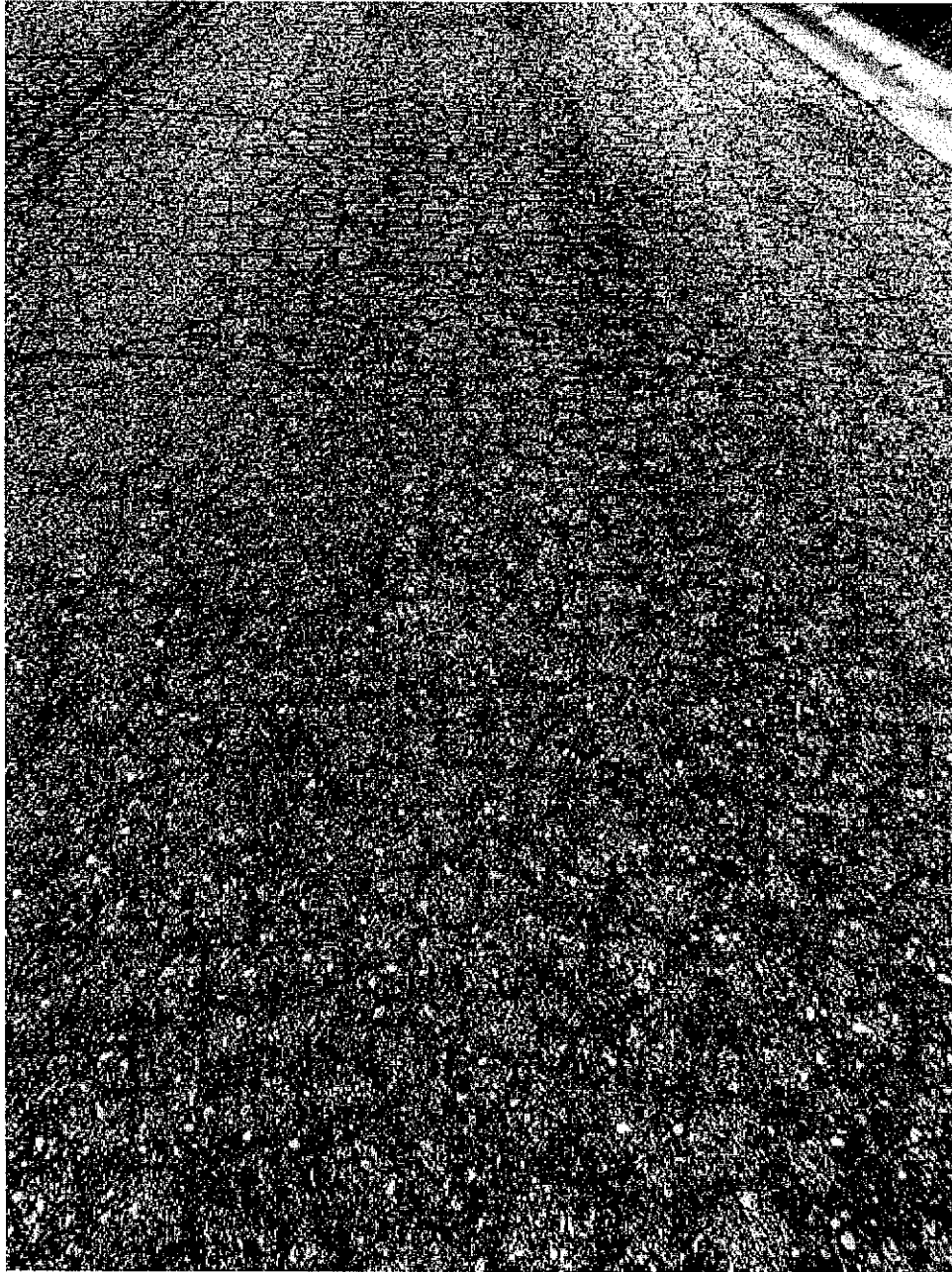
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MILL AND OVERLAY

JOB NUMBER
20200586

DATE
AUGUST 2020

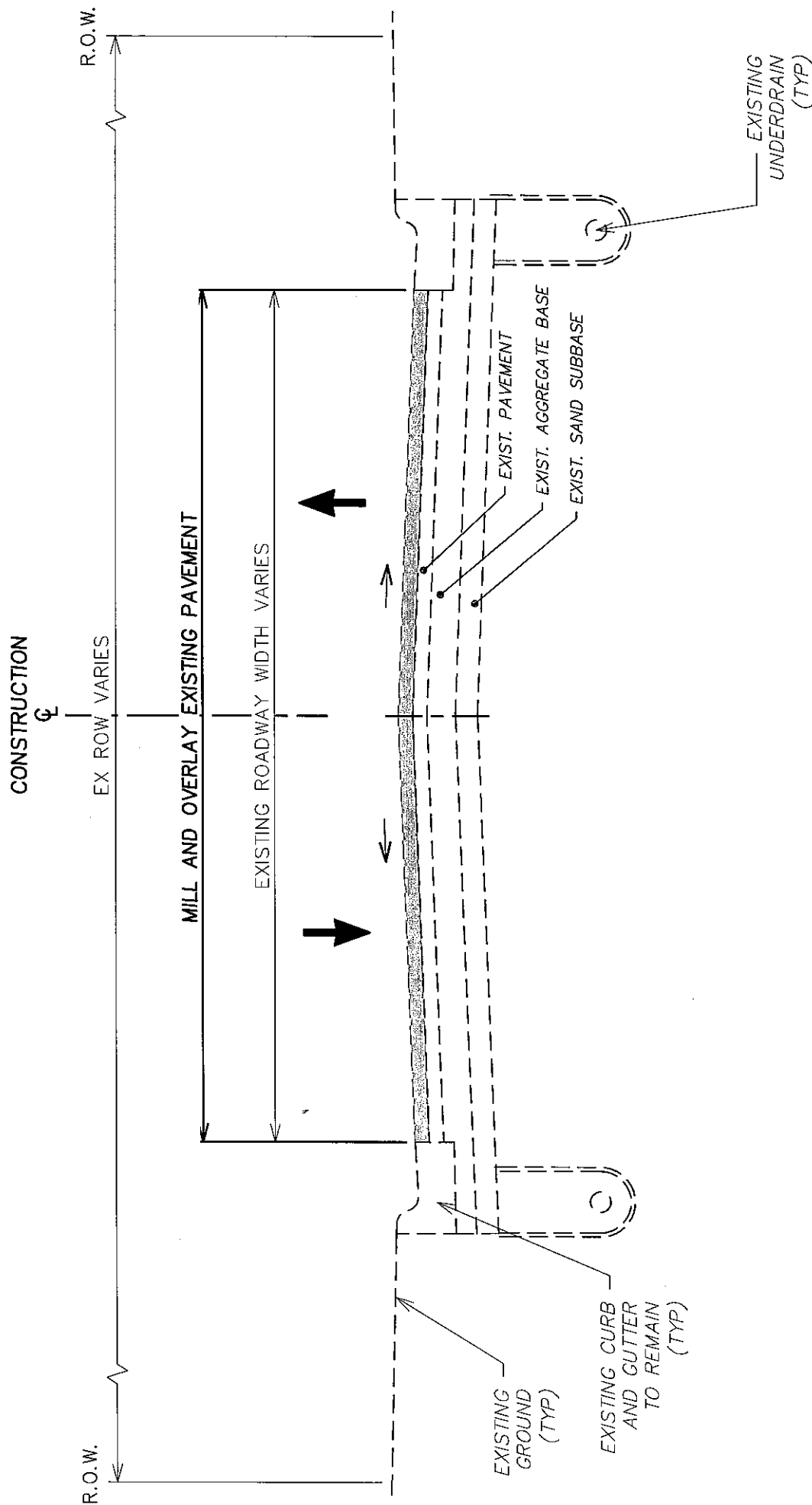


HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915
105 W. GRAND RIVER AVE.
HOWELL, MI

48843

SHEET NUMBER

1





ROADWAY RECONSTRUCT

JOB NUMBER
20200586

DATE
AUGUST 2020

HRC
HUBBELL, ROTH & CLARK, INC
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105 W. GRAND RIVER AVE.
HOWELL, MI 48843

SHEET NUMBER
2

