

1. Agenda

Documents:

[PW AGENDA 06-1-2021.PDF](#)

2. Minutes

Documents:

[PUBLIC WORKS MINUTES 06-1-2021.PDF](#)

3. Meeting Materials

Documents:

[PW AGENDA AND PACKET 06-1-2021.PDF](#)

--NOTICE OF MEETING--
PUBLIC WORKS COMMITTEE
June 1, 2021
4:00 PM
CITY HALL
326 GRANT STREET
2ND FLOOR CONFERENCE ROOM
-- AGENDA--

OLD BUSINESS

1. Committee Bridge Tour
- 1.1 Consideration and approval of minutes from previous meeting

CITIZENS PARTICIPATION

CHS Student Letters

NEW BUSINESS

1. Consider and Discuss Anderson Engineering Contract for Engineering Services
2. Consider and Discuss PW Description Section 2-60 of the Carthage City Code

OTHER BUSINESS

1. Consider and Discuss 2021 MoDOT Bridge Inspection Report

STAFF REPORTS - Zeb Carney & Tom Short

ADJOURNMENT

PERSONS WITH DISABILITIES WHO NEED SPECIAL ASSISTANCE CALL 417-237-7000 (VOICE) OR 1-800-735-2466 (TDD VIA RELAY MISSOURI) AT LEAST 24 HOURS PRIOR TO MEETING.

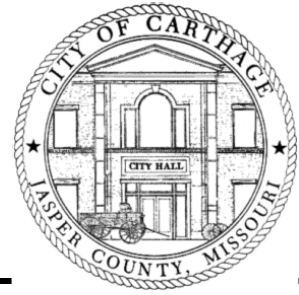
POSTED: 5/28/2021

BY: Julie Tilley

PUBLIC WORKS COMMITTEE

Public Works Department 623 E 7th Carthage MO 64836
Tele: (417) 237-7010 Fax: (417) 237-7011

"America's Maple Leaf City"



6-01-21 PUBLIC WORKS COMMITTEE MEETING MINUTES

Committee Members present: David Armstrong, Ray West, Craig Diggs, Mike Daugherty

Staff Members present: Zeb Carney, Public Works Director, and Julie Tilley, Public Works Administrative Coordinator.

Citizens: Alan Snow and Seth Thompson

The Public Works Committee meeting was called to order at 4:00 p.m. by Chairman Dave Armstrong.

Old Business: The Committee toured the Garrison Street Bridges and the McGregor Street Bridge. Zeb discussed and pointed out some of the various issues with the bridges. The Committee briefly considered and discussed current replacement and/or demolition costs of the McGregor St. Bridge and a tentative timeline for engineering and budgetary planning.

A motion was made by Mike Daugherty to accept the minutes from the May 4, 2021 Committee meeting. All ayes, motion passed.

Citizen Participation: CHS Students Carla Marquez, Cody Reeves, Daniel Darland, Blaine Rees, Jonatan Gonzalez, Daniela Lopez, Alec Cleveland, RyLee Barker, Aubri Fisher, Bryan Tebalan, Sophie Shannon, and Lester Mejia presented the committee with letters expressing concerns about issues within the community. Chairman Armstrong discussed that the letters were prepared through a joint effort between Kirby Newport, Ed Barlow and himself as part of an end of year school project to help the students with their overall understanding of how city government operates.

New Business: The committee considered and discussed the renewal of the contract for Anderson Engineering for Engineering Services for the City. The current contract expires June 30, 2021. After some discussion, Craig Diggs made a motion to approve the renewal of the contract with Anderson Engineering from July 1, 2021 to June 30, 2023 and forward to Council. All ayes, motion passed.

The committee discussed Carthage City Code Sec. 2-60 – Functions of the public works committee. Zeb discussed some of the administrative changes within the Public Works Department over the years and with the recent changes of job descriptions/titles brought on with the recent salary survey that it was a good time to update this section. Zeb presented a draft proposal for their consideration. No formal action taken.

Other Business: Consider and discuss 2021 MoDOT Bridge Inspection report. Zeb shared some of the highlights of the report with the committee; he also stated that the report was standard with nothing in it that was unexpected.

Staff Reports:

Zeb reported on the following:

- Zeb met with Abi Almandinger, Director of Vision Carthage, along with Bryan Stringer and Police Chief Greg Dagnan to discuss the construction details and plans submitted for the proposed light tunnel on the Mall Sidewalk. Zeb required changes to the original plan, updated plans were received and reviewed by Zeb and it was determined satisfactory for the intended purposes. Zeb advised Abi that the project needed to go back to the Public Safety Committee for further action. After a brief discussion by the committee, Craig Diggs made a motion to forward a letter of support from the Public Works Committee for the plans submitted for the light tunnel to the Council. Ayes, David Armstrong, Ray West, Craig Diggs. Nays, Mike Daugherty. Motion passed.
- Zeb was contacted by a citizen to discuss a 'Peddle Pub' – a vehicle that seats up to 14 people and is powered by peddling. The initial question was if city code would allow this type of business. Zeb reported that Springfield and Kansas City have these in their cities. He also stated that the Public Safety Committee should be included in further conversations.
- Railroad crossing work is ongoing. The lack of asphalt, due to the cooler temperatures, has been a major factor in some of the delays.
- River St Bridge is ready for asphalt.
- ADM Milling – sidewalk failure and repair over a stormwater ditch. Further conversation with ADM about their drive entrance over stormwater ditch that has signs of deterioration and making a plan for replacing.
- Phelp's 9th Addition is continuing to be developed further west of Bennett Wilson Dr
- Stormwater Project for this fiscal year listed as Case to Macon – it's a Corp of Engineer stone ditch and a permit will be required in order to move forward, also looking to see if there are any funds available through the Corp for this project
- Board of public works description in city code – another description that needs updated and will need to be coordinated through CWEP

In closing, Craig Diggs and Dave Armstrong thanked everyone for participating in the bridge tour.

Mike Daugherty made a motion to adjourn the meeting at 6:20 p.m. All ayes, motion carried.

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POSTED: 5/28/2021

BY: Julie Tilley

PUBLIC WORKS COMMITTEE

Public Works Department 623 E 7th Carthage MO 64836
Tele: (417) 237-7010 Fax: (417) 237-7011

"America's Maple Leaf City"



5-04-21 PUBLIC WORKS COMMITTEE MEETING MINUTES

Committee Members present: David Armstrong, Ray West, Craig Diggs, Mike Daugherty

Staff Members present: Tom Short, City Administrator, Zeb Carney, Director, and Marcia Weng, Public Works Secretary

Citizens: None

The Public Works Committee meeting was called to order at 5:30 p.m. by Chairman David Armstrong.

A motion was made by Mike Daugherty to accept the minutes from the April 6, 2021 Committee meeting. All ayes, motion passed.

Citizen Participation: None.

Old Business: None.

New Business: First item of business was to discuss and consider the adoption of the 2018 International Fire Code. Zeb pointed out the city was deleting the sections on Mobile Food Trucks and Fireworks Stands due to city ordinances already being in place. Mike Daugherty made a motion to take the revised 2018 International Fire Code to council. All ayes, motion carried.

Second item of business was to discuss the TAP agreement for Phase 5, which is the City Sidewalks from the intersections of River and Fairview to Airport Drive on the East side of the street. Grant funds will be used for the approximately \$465,000.00 project. Craig Diggs made a motion to forward the agreement to council for a Council Bill. All ayes, motion carried.

Third item of business was a Resolution for declaring a Grizzly Mosquito Sprayer as surplus and to allow the sprayer to be donated to a local city. The sprayer will be sent to Diamond for use. Mike Daugherty made a motion to declare the sprayer surplus. All ayes, motion carried.

Other Business: None.

Staff Reports:

Zeb reported on the following:

- They are setting the deck on the bridge on River Street. Zeb had pictures for viewing.
- Schreibers closed on their property purchase today. They have picked up their Phase I building permit and paid their plan review fees. They only need to get their Land Disturbance permit.
- Scooter's is coming into Carthage. It will be located at the intersection of Central and Baker on the southwest corner.

- Zeb and Josiah Bayless concocted an emulsified slurry mix and sealed some spots on the North Garrison bridges today. If it holds up, we may be able to get Blevins to help us cover the bridges. This could buy us another 3 years of use. The committee members would like to take a bridge tour before we do anything.
- Schuber Mitchell is getting geared up to start on the Creekside addition. It is out south of the Chapel Estates.
- Zeb and Julie met with 2 developers out of Oklahoma City who are interested in a parcel of land out by Carthage Ford. There is a 20 acre parcel up front, with an 80 acre parcel in back. They are talking about something commercial on the 20 acres with residential going in on the 80 acres.
- Anderson Engineering has been working on our ESRI and has greatly improved maps of our utility lines and services. We do have 2020 Aerial Photography but it hasn't been loaded yet.
- Stan Schmidt has sold his building south of Hardee's. It has been sold to a franchised food service with retail as part of their business.
- They are in the works for 9 individual homes to be put in Rollins Creek.
- The north Tech Center is going to be totally remodeled.

Tom reported on the following:

- Talked to MoDOT about donating the signal at Russell Smith Way and Fir Road. They wouldn't agree to it.
- There is a meeting with MoDOT regarding the drive entrance for the new Pete's on Wednesday.
- Powers Museum is donating their building to the school system.
- ARA money should be coming out in June. There are several ideas for use of the money.
- The TAC committee meeting is May 19th in Carthage.

David Armstrong would like to see the Public Works Committee tackle some more issues regarding the Historical District. Also, he would like to have a comprehensive overview of the city's plans for the future. Where we are in regards to the last plans and where we are headed. He would also like to look into the committee on streets and alleys and reassess the functions of this committee.

Mike Daugherty made a motion to adjourn the meeting at 6:55 p.m. All ayes, motion carried.

Carla Marquez
827 Clinton St
Carthage, Missouri 64836

May 24, 2021

Zeb Carney
326 Grant, Carthage, Missouri
Carthage City Hall

Dear Director Carney:

My name is Carla Marquez and I am in the 11th grade at Carthage High School. I am very concerned about how the Recycling Centers are being used and hope you can answer a couple of questions.

Have consumers dumped too much trash into their recycling bins? I ask this because I believe there is a problem in our community that trash contamination has been sent to recycling to landfills. When trash is collected in the recycling bins; what do you do to dispose of this. Recycling isn't very important in our community, when it should. Our community needs to know that recycling is a better way to prevent pollution, and it reduces the amount of waste that ends up in landfills. Keeping products and materials from reaching landfills brings value to the environment in a number of ways. While not everything can be recycled, the majority of products and materials we use on a daily basis can be. We need to see the benefits of recycling and how it provides simple every day steps that will protect our home, our families and the environment.

I believe it is up to legislators to provide guidance to our community by passing a law that mandates recycling, by giving each person a recycling bin or to create a successful recycling program to get others to start recycling. There are many ways to encourage our community to recycle and that is to add recycling bins to public areas. Also, writing a column in our local newspaper; can spread the word. I believe we have to educate ourselves on very important environmental matters. People are more likely to perform a task if they know what it's all about and why it matters.

I am interested in your reaction to this proposal. Do you believe this is an important issue, that should be addressed to our community?

I appreciate your consideration of these questions and look forward to your response. You can contact me with my school gmail. 6218113329@r9tigermail.org

Sincerely,

Carla Marquez

Cody Reeves
13001 journe rd
Carthage,Mo

May-24-2021

David Armstrong
1024 Oak Street
Carthage, MO 64836

Dear Councilman Armstrong:

My name is Cody. I go to Carthage high school and as a member of the Carthage community I go to the parks. I had some ideas about how you maintain the restrooms there.

People take their kids to the parks in town every day and teens use them as well. The restrooms at the parks have writing on the walls and some nasty things in them. I understand how it's hard to maintain them because of all the people that use them and the people who decide it's a good idea to ruin them for the rest of us. But like I said all members of the community use them at one point or another and I feel that there could be something done about what goes on there.

I've thought of a few ways to handle the situation and here's what I've come up with. You could have people clean them every day but that would probably only work out for so long, because of the amount of people that use them versus how many city workers we have to clean them. Another option would be to lock the restroom doors every night to keep the people that do things like break sinks and other things in the restroom. The last idea I have come up with would be to put cameras on the park restrooms to see who's going in and out so that you will know the people who are hanging out around the parks at night. As well as being able to know who is going into the restrooms and destroying them. What you could do with that would be to give them some kind of punishment. The last idea would cost more but it could end up saving money in the long run by stopping people from doing things like this.

If any of these proposals sound like you would try them out, I would like to hear what your thoughts are on this issue.

I appreciate you taking the time to read this and look forward to hearing back from you.

Sincerely,

Cody Reeves

Daniel Lee Darland Jr
2036 E Jasco Drive
Carthage, Missouri 64836

May 22,2021

Dear Public Works Committee

My name is Daniel Darland, I am an eleventh grade student from the Carthage High School. I am concerned about the sidewalk stability in the city of Carthage and was hoping to persuade you into forming a local ad about the program to fund the fixing of the sidewalks.

I have called Carthage my hometown since I was old enough to talk even though I live slightly outside of city limits. Although I live outside of the city, I grew up using Carthage's roads and sidewalks whether it was for biking, walking with friends, or even running with the cross country team. I've used Carthage's Roads for many years and a road that always stuck out to me because of the worn, broken, and cracked sidewalks has been the block of Main Street between E Highland Ave and E St Louis Ave. The sidewalk has become jagged, broken, chipped, and in some places sections are missing, or the sidewalk is covered and or blocked. I have used this road for a long time as my aunt lives in this block, and when I was on the Jr High Cross Country team every Friday Morning we would Run down Main Street to the water tower and back. We would choose to run on the road because tree limbs would cover the sidewalk and the uneven ground made it easy for someone to take a bad step and twist their ankle.

Prior to doing my research about how to fix the sidewalks in Carthage I believed that it would be the cities job to fix the sidewalks like the KC Plan where Kansas City, Missouri formulated a program to identify broken sidewalks and fix them. Come to find out under the code of ordinance that it is the job of the homeowner whoms house connects to the sidewalk to fix the broken or cracked sections. I have been informed of a city ordained grant to fix the sidewalk but as shown by the ignorance of me and many of my peers that it is the homeowners job to fix the sidewalks very few know that the grant is available. I propose that we use the beacon to better research and understand the people whom of which we need to inform. After conducting research and gathering information we should formulate an action plan to create an add to advertise the informant and use of the grant to fix the sidewalks. Using the Add costs website we can determine the pricing and best form of advertising to use.

Im hoping to hear back from you soon. Hopefully this is an issue that could be discussed with the members of council. Do you have any suggestions on how to make the offer more appealing, and if so please let me know.

Sincerely,

Daniel Darland

Blaine Rees
7464 Locust Road
Carthage, Missouri 64836

May 24th, 2021

David Armstrong
1024 Oak Street
Carthage, Missouri 64836

Dear Councilman Armstrong:

My name is Blaine Rees and I am an 11th grader at Carthage High School. I am very concerned about the intersection at George E. Phelps Boulevard and Grand Avenue and I was wondering if you could answer a few questions.

I live outside of the city limits, but I have used Carthage roads all my life. When I was younger I used to play baseball in the baseball fields near there, and I remember that intersection being dangerous because of all the traffic on Grand. Now, my little brother plays baseball there and I drive there to go to work at Walmart. When I do turn there I feel like I can't turn out at all thanks to the traffic and the bush to your right makes it hard to see. I feel like for how much traffic goes there from the baseball field and other things, there should be a safer traffic system.

I think if we cut the bush there to increase visibility, and put in a traffic light, I think the traffic there would be a lot safer. I believe that we need safer roads and intersections here in Carthage for its citizens and its travellers.

I am interested in your reaction to this proposal. Is this an issue you would be willing to discuss with other Members of the council? Do you have any suggestions for making my proposal appealing to you and other members? If so, you can email me at brees443x@gmail.com.

Thank you for your time and consideration.

Sincerely,

Blaine Rees

Jonatan Gonzalez
413 Kansas Ave
Carthage, Missouri 64836

May 21, 2021

David Armstrong
1024 Oak Street
Carthage, MO 64836

Dear Councilman Amrstrong:

My name is Jonatan Gonzalez, I'm in the 11th grade from Carthage High School. I'm writing this letter about our parks and how we can improve them for our community.

During my childhood I loved going to parks and I'm sure a lot of people did and maybe they still do like going to parks. Which is why I think it is important to take care of our parks so kids can continue to enjoy going to parks to have some fun and spend time with their family. There is data from a survey that people took in the city of Carthage that said 75% of people have gone to a park in the last 2 years so I do believe that fixing stuff up in our parks would be appreciated by many people. The data from the survey also shows information about what people would like to have fixed up. When I was little I did notice that there was something we could work on to make our parks better like cleaning up stuff in the bathroom such as graffiti, clogged toilets, and just make them more sanitary in general. There also was stuff other than the bathrooms like litter and sometimes broken equipment such as swings. The last thing we want is people getting hurt on broken equipment or catching a disease because of the unsanitary bathrooms.

To fix the problems at hand I believe that the legislature could provide the community with funds to help fix up our park bathrooms and potential broken equipment. This would encourage even more people to go to parks and use the bathrooms, enjoy time with family, and to have fun on equipment that is safe.

I would like to know your opinion on this situation. Is this issue something that can be discussed? Would you have any suggestions such as a different solution for solving the problems of our public parks? Would you take the time to talk about this problem and find out if even more people would agree with the statements I have said?

I appreciate you for taking the time to look at my letter. Have a wonderful day.

Sincerely,

Jonatan Gonzalez
9077391649@r9tigermail.org

Daniela Lopez
17403 Jayhawk Road
Carthage, Missouri 64836

May 24, 2021

David Armstrong
326 Grant St
Carthage, MO 64836

Dear Councilman Armstrong,

My name is Daniela Lopez. I am an eleventh grader at Carthage High School. I am writing to express my concern about the condition of the houses on N McGregor St. and Walnut St.

I understand that it's a small section to cover and fuss about, but it's really close to the heart of town and the entrance to Carthage. I feel like the condition and (organization?) of the houses should be in better shape and in an adequate way that represents Carthage. A few of the houses on the corner of those two streets look like they've been quite trashed and neglected. There's been many houses that have been left uncared for as the months pass by and it's saddening to see such a beautiful town slowly deteriorating in some areas. It also makes the neighborhood seem less friendly. If one drives through there at night, it's frightfully dark from the lack of light that reaches it. The street wouldn't seem as ominous if the houses looked a little less cluttered.

I believe a reasonable approach to this issue would be to create some sort of community cleanup. A few towns have recently been doing this and they all seem to come out successful and some articles even say that the residents seemed to enjoy partaking in such an event. A resident from Jamestown, New York even stated that the community cleanup "helps build character." I think this would not only benefit Carthage, but the people as well.

Thank you for taking the time to read my letter. I hope that this topic is something you could perhaps be willing to assist in? I understand that 'Dumpster Days' is something that is currently going on, and essentially this is in a way the same thing, but in another part of town and for a non-criminal related subject.

If you have any suggestions or questions about this matter, please feel free to contact me at danielamonsterratlopez@gmail.com

Sincerely,

Daniela Lopez

Alec Cleveland
8625 County Lane 205
Webb City, Missouri 64870

May 25, 2021

City Council Member
326 Grant St, Carthage, Mo 64836

Hello, my name is Alec Cleveland. I am writing this letter today, to explain some of my thoughts on Carthage. Some of the roads aren't in the best shape around here in Carthage. I'm sure you guys get more than enough letters throughout the day about our city. One thing I would like to say is Chapel road on precious moments's stretch has a couple of dips that are horrible. Honestly when I go over the dips I feel like my back axle is going to snap off.

Although, you might think these roads are still safe, just please consider looking at them. Another place that is pretty rough is at the stop light going from Fir rd. to Grand Ave. I go over it almost every morning going to school and it shakes my truck a lot. What would be your opinion on this issue? Would it make us drivers more safe?

Another thing that we could have in our community to attract tourists is a water park. Who doesn't like a water park on a hot and sunny day? I've heard my Government teacher talk about your guys meetings about a water park in the past but it probably wouldn't ever happen. Although, this is not something we must have, it would just be something fun to do on a summer day. I truly appreciate you for taking time out of your day to read this letter of mine. If you want to respond back my email is peyton1394@gmail.com.

Sincerely,

Alec Cleveland

RyLee Barker
9351 County Lane 172
Carthage, Missouri 64836

May 20, 2021--

Zeb Carney
623 E. 7th Street
Carthage, Missouri 64836

Dear Director Carney,

My name is RyLee Barker, an 11th grader from Carthage Senior High School. I have been increasingly concerned about the continuous neglect of roadkill and disposal in our city. Now I know that this is not directly related to you neither is it your fault in any way. I was just hoping that you would take some time to answer a few questions about it.

In my personal experience recently in our city, on the outer roads and even some of the main roads, there has been an increase in roadkill that I have seen. I have read that it is the city's job to dispose of things such as roadkill on the side of the road, but I have seen many instances where the carcass of an animal will sit on the side of the road for longer than 6 hours which it is not supposed to. I believe that our city should have a Department of Sanitation if there is not one already. If there is one, I would like to formally complain and consider that a solution be found for these ordinances though they are minor. Like I said previously, this is a formal complaint and I am wanting to propose an idea rather than attack you directly.

I believe fully that you have the ability to help me and our community with this problem. Though this issue is not major, it does have some effects that could be beneficial to the community. Many wrecks are caused by having to swerve to avoid roadkill and even malfunctioning after hitting roadkill that was already on the road. A Department of Sanitation in the city of Carthage would be very beneficial. If these carcasses were picked up quicker and not left on the roads for extended periods of time, it would be a much cleaner city and a lot less risks of crashes could happen, which would be very good for our city.

I am interested in what you will say as a response to this letter, I hope I have caused you no grief with this complaint as it was formal and reasoned. Please take this into consideration. I appreciate your consideration for reading and I look forward to your response.

Sincerely,

RyLee Barker
417-691-5224
6909847245@r9tigermail.org

Aubri Fisher
9537 County Road 200
Webb City, Missouri 64870

May 24, 2021

Carthage City Council
326 Grant Street
Carthage, Missouri 64836

Dear City Council,

My name is Aubri Fisher and I am going to be a senior at Carthage High School this coming fall. I have noticed some issues concerning trash and litter around Jasper County more recently than usual, and I was hoping you could help me by answering a few questions.

While doing some research about how I could help with limiting the amount of trash on the streets, I found some related news from other states. There was a major crisis a few years ago in Ohio where they had so much litter around their most populated cities, they were spending millions of dollars trying to reduce waste. They got most of it under control but it wasted lots of money and people's time picking up everyone's trash. I also visited the Missouri Department of Transportation and found an article talking about litter laws and how much we spend on cleaning the environment each year. This got me thinking about what we are doing to fix this issue in the Jasper County area.

I started thinking about why I haven't heard of any ways to help out on this environmental issue and then I found out that there's not much advertising for it. Every now and then you'll be driving down the highway and see a sign for litter fines or the occasional Adopt-A-Highway sign, but that's about it around here. So I was thinking we could spread more awareness as a community.

I would like to suggest installing more public trash cans around town so people have somewhere to throw their trash when they're out. Along with recycling bins to keep the green cycle going. Also continuing to teach kids in schools more about the impacts of littering and what it does to the environment so they don't grow up throwing their trash on the side of the road.

I'm curious to see how this will all play out in the future. Do you agree with some of the issues that I have noticed lately? How do you feel like we can fix these issues and preserve the environment around Jasper County? I hope you consider speaking with other congressmen about this issue.

I appreciate your consideration and if you could write to me back at aubri.fisher03@gmail.com or 9834916833@r9tigermail.org that would be wonderful, I look forward to hearing from you!

Sincerely,

Aubri Fisher

Bryan Tebalan
422 Fall St.
Carthage, Missouri 64836
May 24th , 2021

Zeb Carney
623 E. 7th Street
Carthage, MO 64836

Dear Director Carney,

My name is Bryan Tebalan, and I am an 11th grader from Carthage High School. I am very curious about the bridges that have been closed down near where I live.

I have been doing some research over the bridges that have been closed and have been wondering when are they going to be fixed. The one close to my house is the Walnut Street Bridge. I've noticed that the bridge has been closed and decided to find out why. I found a news source that mentioned why and it said "The city's bridges failed inspections by state officials Wednesday and are closing immediately until further notice." It's almost been 2 years since the bridges have been closed. I know that the cost could be a lot in order to fix the bridge but I have been seeing a lot of construction work on roads and train tracks near that area. I feel like it would be a good opportunity to get those bridges fixed.

I believe it is up to the state treasurer to provide guidance to our country by helping out fixing the bridges in our community. This would allow Americans to pass with ease and less traffic on the only bridge that is opened as of right now. (Example: The Oak Street Bridge.) The governor should encourage this and take in consideration of the bridges closed in our community.

I am interested in your reaction to this proposal. Is this an issue you would be willing to discuss with other council members? Do you have any suggestions for making my proposal appealing to you and other council members?

I appreciate your consideration of these questions and look forward to your response. If you would like to contact me about this proposal; here is my email address. bryantebjuarez@gmail.com

Sincerely,

Bryan Tebalan

Sophie Shannon
1709 Clinton Street
Carthage, MO 64836

May 25, 2021

Alan Snow
1327 Skyline Drive
Carthage, MO 64836

Dear Councilman Snow,

My name is Sophie Shannon and I am currently a junior at Carthage High School. Marian Days is an annual event that greatly impacts my personal home and surrounding neighborhoods, and I am concerned about the state of vacant houses in this area.

As I am sure you are aware of, Marian Days is a largely celebrated event in Carthage, attracting over 50,000 people every summer for up to a week. I love every aspect of this gathering, as do a great number of Carthage residents. My family even invites upwards of 100 people to stay within our home and over 30 tents to camp around our yard. While a majority of travelers choose to stay in a variety of places, including on the church campus, in and around Carthage residents' homes, RV parks, and hotels, a small percentage has decided to purchase homes in close proximity to the church for the sole purpose of Marian Days. Although the event was cancelled this past year and once again this August, it has only accentuated the vacancy of a select few houses within my neighborhood. I can think of four different houses along Belle Air, Highland, and Grand that will continue to sit empty for another year until Marian Days 2022. With vacancy rates already over 10% within Carthage, I fear that percentage will only continue to rise as houses put on the market are purchased to host guests for one week out of the year.

I believe a new law should be put in place for Carthage residents that requires homes to be occupied for six or more months out of the year. I in no way want this law to seem racist or discriminatory, but a restriction like this is the only way to guarantee all homes in Carthage are purchased with the intent of living in.

I am interested in hearing your response to my proposal. Is this an issue you would be willing to discuss with other members of the City Council? Do you have any additional suggestions or concerns when it comes to these vacant homes?

I appreciate you taking time out of your day to hear my concerns. You can contact me through my personal email, sophieshan04@gmail.com.

Sincerely,

Sophie Shannon

Lester Mejia
1102 Prospect Avenue
Carthage, Missouri 64836

May 25, 2021

David Armstrong
329 Grant St.
Carthage, MO 64836

Dear Councilman Armstrong:

My name is Lester Mejia and I am an eleventh grader from Carthage High School. I don't want to take much of your time so I decided to just write you a small letter. I am concerned about what the city is doing to improve our roads and hope you can answer a couple of simple questions.

Our city is growing and has been improving which is making us ready for the future. I feel like there is something holding us back from being a well urbanized city of high quality and that is our roads. It looks like most projects are occurring on the east side of town and none on the west. My first question is what are some projects that are bound to happen for the west side of town? I only know of the reconstruction of the bridge on River St. I have driven on that side of town and it wasn't a pleasant drive. The road conditions are very poor and this brings me up to my second question. When will the city repave all roads or reconstruct some of them? I know one day the city will have to fix these roads. It just depends on time and money. Like I said before, our city is improving a lot and I am excited to see what the future holds for us.

I am interested in your response. You can email me personally at lestermejia112@gmail.com. What do you think of our current road conditions? Is this something that the city is concerned about?

I appreciate your consideration of these questions and look forward to your response.

Sincerely,

Lester Mejia

CONTRACT FOR PROFESSIONAL ENGINEERING SERVICES

This Contract, made and entered into this _____ day of _____ 2021, by and between the City of Carthage, Missouri ("City"), and Anderson Engineering, Inc., ("Engineer");

WITNESSETH: THAT WHEREAS, the City desires to employ Engineer to provide City Engineering services from July 1, 2021 to June 30, 2023 and,

WHEREAS, Engineer, a professional engineering firm, possesses the experience to perform these services;

NOW, THEREFORE, in consideration of the mutual covenants contained hereinafter for engineering services, the parties hereto do hereby agree as follows:

1. RESPONSIBILITY OF ENGINEER: The City and Engineer agree to the following provisions in relation to Basic Services that Engineer will provide to the City. Additionally, Engineer will maintain an office in Carthage, Missouri, staffed by a Missouri Licensed Professional Engineer(s), chosen by Engineer. Staffing and hours of operations of the office will be established between Engineer and the City based on the needs and requirements of the City for on-going engineering support and the evaluation by Engineer of providing said services.

2. BASIC SERVICES: The City agrees to engage the services of Engineer and Engineer agrees to perform the services set forth in this contract and any corresponding attached Addendum(s). Engineer's Basic Services will include, but not be limited to:

- preparation of all plans, specifications, cost estimates, contract documents, and construction inspection on public improvement projects authorized by the City;
- offer suggestions on public improvements;
- confer with the City on requests on such engineering problems as may arise and provide oral and written advise on same;
- coordinate all consulting engineers and architects engaged by the City during the term of the contract;
- assist in the supervision of the planning functions of the City knowing the City is seeking to have a pro-active approach to planning rather than a reactive approach to problems as they occur;
- be responsible for issuing professional opinions and certifying the same with its seal;
- supervise the preparation of project budgets and estimates of probable costs on public improvement projects;
- function in the capacity as the City Engineer for daily engineering concerns
- general consulting assistance (including capital improvement planning);
- attending city meetings and public hearings (when required by the City);
- participating in regulatory negotiations;
- providing project site visits;
- any other non-design related work whether or not such services are fully defined or identified.
-

With approval of the City, these Basic Services will be billed on a time and material basis unless specifically and mutually agreed to in writing by both the City and Engineer. These charges shall be according to the Professional Rate Schedule attached to this Contract, designated as Carthage Fee Schedule #2021-23. Upon request of the City, the Engineer will designate the time required for each function as billed under said rate schedule.

3. TERM AND ANNUAL REVIEW: The term of this contract shall be as stated herein. The City's designated representative and Engineer shall meet annually to review the performance of Engineer under the terms of this contract. Upon completion of this annual

review, both parties may mutually agree to renew the agreement for an additional two-year increment.

4. TERMINATION: This contract may be terminated by either party upon thirty (30) days prior written notice to the other party in the event of substantial failure by the other party to fulfill its obligations under this contract through no fault of the terminating party. This contract may be terminated by the City for its convenience upon thirty (30) days prior written notice to the Engineer. In the event of termination, as provided in this section, the Engineer shall be paid as compensation in full for services performed to the date of that termination, an amount calculated in accordance with Section 19 of this contract. Such amount shall be paid by the City upon the Engineer's delivering or otherwise making available to the City, all data, drawings, specifications, reports, estimates, summaries and that other information and materials as may have been accumulated by the Engineer in performing the services included in this contract, whether completed or in progress.

5. FORCE MAJEURE: Neither party shall be liable for its failure to perform acts required under this Contract in the event that either party is delayed or hindered in or prevented from the performance of such acts by reason of strikes, lockouts, labor troubles, inability to procure materials, land acquisition difficulties, failure of power, restrictive governmental laws or regulations, riots, insurrections, war or other reason of a like nature not the fault of the party delayed in performing acts required under the terms of this Contract.

6. CITY'S RESPONSIBILITIES: The City shall timely furnish, at the City's expense, all information, requirements, reports, data, computer data files, survey field notes, surveys and instructions which pertain to completion of the Basic Services described above. Engineer may use such information, requirements, reports, data, surveys and instruction in performing its services and may reasonably rely upon the accuracy and completeness of all information furnished by or on behalf of the City without need for verification, unless specifically requested by the City.

7. CITY OWNERSHIP OF PLANS, REPORTS, WORK PRODUCT: The City shall retain ownership of all plans, reports, and other work products prepared by the Engineer as a result of work done on behalf of the City so long as the Engineer has been paid for such work in accordance with the terms of this agreement.

8. AUTHORIZED PROJECT REPRESENTATIVES: The City and Engineer have designated the following specific individuals to act as City's and Engineer's representatives with respect to the services performed under this contract. These individuals shall have authority to transmit instructions, receive information, and render decisions relative to the Project on behalf of each respective party.

CITY'S REPRESENTATIVE

Director of Public Works
623 E. 7th Street
Carthage, MO 64836

ENGINEER'S REPRESENTATIVE

Jason Eckhart, PE
1745 S. Garrison
Carthage, MO 64836

During the term of this contract the City shall have the right to request that representative be replaced as a result of incompatibility or dissatisfaction with said representative. When, and if, such request is made in writing, specifying the reasons therefore, Engineer shall comply with such request within a reasonable time. Engineer will be given a reasonable amount of time to comply and shall supply the services included in this contract with interim qualified personnel while a search for a replacement is being pursued.

9. DOCUMENT REVIEW: When requested, Engineer will review and provide written response on:

- Legal Descriptions for City Boundaries, annexations, easements and other public property documents.
- Developer submittals for subdivision plats and improvements.
- Plans and specifications prior to the issuance of City building permits.
- Plans and specifications for City construction contracts.
- Technical content of inter-municipal agreements for capital improvements, maintenance, scheduling, or other infrastructure matters, with the City Attorney.

10. MEETING ATTENDANCE: Engineer, will attend meetings as requested, including regularly scheduled City Council Meetings. An Engineer representative will provide technical assistance at meetings on matters that require a Professional opinion, project change orders, project pay requisitions, etc.

11. STUDIES AND RECOMMENDATIONS: At City's request, Engineer may perform minor studies and develop recommendation for the City on matters relating, but not limited to, storm drainage improvements and corrections, water and sewer line extensions, street programs, and other City identified needs as specified by the City. These may be separated into Addendum(s) to this contract and a separate price determined therefore. Engineer will provide services to develop, monitor and administer any Capital Improvement budgeted by the City. Any of the Capital Improvements may be separated into an addendum to this contract and a separate price determined therefore. When, or if, in the opinion of Engineer, the requested study requires other technical abilities or more personnel than is available at the office specified in this contract, Engineer shall so notify the City. If needed, a separate proposal for the work will be prepared and submitted for approval by the City.

12. CITY CODE ENFORCEMENT: Engineer will provide support as requested to the Code Enforcement Officer.

13. ZONING REVIEW: Engineer will perform such planning and zoning functions as requested by the City.

14. BUILDING SAFETY AND CONDEMNATION:

Engineer, when requested, will perform inspections of buildings for structural integrity and habitability and provide a written report which will result in notice to property owners indicating required remedies and time allotted for such repairs or demolition. Engineer will attend hearings, and communicate with appropriate City Officials concerning such incidents.

15. PAYMENT FOR SERVICES RENDERED: Compensation for services shall be at the current hourly rates according to the Professional Rate Schedule attached to this contract. All Reimbursable Expenses (out-of-pocket expenses, such as printing, blueprinting, travel expenses, lodging, mileage, long distance phone charges, delivery charges, etc.) and sub-consultant costs will be invoiced in addition to the compensation set forth heretofore. Applicable mileage and meal charges will be paid by the City in the event Engineer is requested to attend out of town meeting, seminars, etc., on behalf of the City. Reimbursable expense and sub-consultant costs will be invoiced at actual cost. Invoices will be processed and submitted for payment monthly. Engineer agrees to keep sufficient records of time spent on services for the City. Such records shall include a record of which division of City used said services.

16. ASSIGNMENT: Neither party to this Contract shall transfer, sublet or assign any rights or interest in this Contract (including but not limited to monies that are due or monies that may be due) without the prior written consent of the other party. Subcontracting to sub-consultants normally contemplated by Engineer shall not be considered an assignment for

purpose of this Contract.

17. LIABILITY AND INDEMNITY: The parties mutually agree to the following: In no event shall the City be liable to Engineer for special, indirect, or consequential damages, except those caused by the City's gross negligence or willful or wanton misconduct arising out of or in any way connected with a breach of this contract. The maximum liability of the City shall be limited to the amount of money to be paid or received by the City under this contract. The Engineer shall defend, indemnify, and hold the City harmless from and against all damages, losses, liabilities, expenses, and costs with respect to all claims, including, but not limited to, claims for personal injuries, wrongful death, and damages to property, which may be asserted against the City by any person or entity as the result of Engineer's (or any of Engineer's subcontractors') violation of statutory law, misrepresentation, copyright infringement, breach of contract, professional negligence, or ordinary negligence in the course of the performance of this contract, provided that the Engineer is not obligated to indemnify or hold harmless the City from the City's own negligence or wrong doing. Engineer shall indemnify and hold the City harmless from all wages or overtime compensation due to its employees in rendering services pursuant to this contract, including payment of reasonable attorneys' fees and costs in the defense of any claim made under the Fair Labor Standards Act or any other federal or state law.

18. INSURANCE: The Engineer shall secure and maintain the following insurance policies: Worker's Compensation Insurance for all of its employees to be engaged in work under this contract, in the amount required by statute.

General Commercial Liability Insurance in an amount not less than \$2,000,000.00 for all claims arising out of a single occurrence and \$1,000,000.00 for any one person in a single accident or occurrence as set forth in RSMo Section 537.610 and as it may be hereafter amended from time to time, except for those claims governed by the provisions of the Missouri Workers' Compensation Law, Chapter 287, RSMo. Coverage shall include contractual liability, and independent contractor liability.

Automobile Liability Insurance in an amount not less than \$1,000,000.00 for all claims arising out of a single occurrence. Coverage shall include all owned autos, non-owned autos, and hired autos.

Errors and Omissions Insurance. The Engineer shall maintain a professional liability insurance policy in the amount of \$3,000,000.00 per claim and \$5,000,000.00 aggregate and its terms shall be subject to the approval of the City. This policy shall remain in full force and effect for a period of one (1) year after completion and acceptance by the City of the construction of the project.

Notice. The Engineer shall furnish the City prior to beginning the work; satisfactory proof of carriage of all the insurance required by this contract, with the provision that policies shall not be canceled, modified, or non-renewed without thirty (30) days written notice to the City.

19. NOTICES: All notices required or permitted herein under and required to be in writing may be given by FAX or by first class mail addressed to the City and Engineer at the address shown above. The date of delivery of any notice given by mail shall be the date falling on the third day after the day of its mailing. The date of delivery of notice by FAX transmission shall be deemed to be the date transmission occurs, except where the transmission is not completed by 5:00 p.m. on a regular business day at the terminal of the receiving party, in which case the date of delivery shall be deemed to fall on the next regular business day for the receiving party.

PASSED AND APPROVED by the City Council of the City of Carthage, Missouri this _____ day of _____, 20__.

CITY OF CARTHAGE, MISSOURI

MAYOR

ATTEST:

CITY CLERK

ANDERSON ENGINEERING, INC.



JASON ECKHART, PE
CHAIRMAN

CARTHAGE FEE SCHEDULE

THIS SCHEDULE IS PREPARED AS A METHOD OF CHARGING FOR SERVICES ON A UNIT AND HOURLY BASIS. THE RATES ARE BASED UPON THE SKILL AND KNOWLEDGE OF OUR PERSONNEL. INVOICES WILL BE SUBMITTED MONTHLY AND/OR UPON COMPLETION OF SERVICES. PAYMENT IS DUE ON RECEIPT OF THE INVOICE. ACCOUNTS OVER FORTY-FIVE DAYS ARE SUBJECT TO A 1 1/2% MONTHLY SERVICE CHARGE. SERVICES WILL BE PERFORMED IN ACCORDANCE WITH ACCEPTED STANDARD METHODS UTILIZING PROPERLY TRAINED, REGISTERED, LICENSED, OR CERTIFIED PERSONNEL AS REQUIRED. HOWEVER, WE CANNOT ASSUME RESPONSIBILITY FOR CONSTRUCTION METHODS, MATERIALS, PROCEDURES, PRODUCTS, OR ACTIONS OF OTHERS.

ANDERSON ENGINEERING, INC., BY



Jason Eckhart, PE, Chairman

EFFECTIVE: 7/1/2021 THRU 6/30/2023

BASIC CHARGES**PERSONNEL (HOURLY RATES):**

PRINCIPAL	\$	175.00
PRINCIPAL ENGINEER	\$	160.00
ENGINEERING MANAGER	\$	157.00
PROJECT MANAGER	\$	142.00
PROJECT ENGINEER	\$	126.00
ASSOCIATE ENGINEER	\$	106.00
DESIGN ENGINEER	\$	85.00
PROJECT DESIGNER	\$	112.00
SENIOR DESIGNER	\$	100.00
DESIGNER III	\$	83.00
DESIGNER II	\$	75.00
DESIGNER	\$	67.00
PROJECT COORDINATOR	\$	80.00
PROJECT COORDINATOR ASSISTANT	\$	52.00
PRINCIPAL SURVEYOR	\$	157.00
SURVEY MANAGER	\$	134.00
PROJECT SURVEYOR	\$	105.00
ASSOCIATE SURVEYOR	\$	88.00
LAB MANAGER	\$	113.00
TECHNICIAN IV - SURVEY/LAB SPECIAL	\$	84.00
TECHNICIAN III - SURVEY/SENIOR LAB	\$	69.00
TECHNICIAN IIS - SURVEY	\$	58.00

TECHNICIAN II - LAB	\$	50.00
TECHNICIAN I - SURVEY/LAB AIDE	\$	41.50
ENVIRONMENTAL SPECIALIST II	\$	105.00
ENVIRONMENTAL SPECIALIST I	\$	84.00
ONE MAN SURVEY CREW	\$	100.00
TWO MAN SURVEY CREW	\$	126.00
THREE MAN SURVEY CREW	\$	168.00
FOUR MAN SURVEY CREW	\$	209.50
GIS DIRECTOR	\$	131.00
GIS MANAGER	\$	109.00
GIS ANALYST	\$	100.00
GIS SPECIALIST	\$	84.00
GIS TECHNICIAN	\$	71.00
IBC FIRESTOP INSPECTOR	\$	84.00
DRILLING COORDINATOR	\$	112.00
PROJECT REPRESENTATIVE III	\$	84.00
PROJECT REPRESENTATIVE II	\$	71.50
PROJECT REPRESENTATIVE I	\$	60.00
STRUCTURAL STEEL INSPECTOR	\$	84.00
AWS CERTIFIED WELD INSPECTOR	\$	84.00
PARTICLE & DYE TESTING - LEVEL II	\$	80.00
ADMINISTRATIVE ASSISTANT	\$	42.00

EXPENSES & EQUIPMENT CHARGES:

VEHICLE (3/4 TON OR LESS)	\$	0.70 /MILE
VEHICLE (SUBURBAN & 1 TON)	\$	0.80 /MILE
WATER TRUCK PER DAY	\$	81.00 /DAY
WATER TRUCK PER MILE	\$	0.77 /MILE
LIDAR SCANNER	\$	500.00 /DAY

MOBILE LIDAR \$ 1,000.00 /MILE (\$5,000 MIN)

GPS	\$	303.50 /DAY
ROBOTIC TOTAL STATION	\$	281.00 /DAY
DRONE	\$	447.50 /DAY
COPIES	\$	0.16 EACH
PRINTING PLANS	\$	0.56 /SF + TECH TIME

REIMBURSABLES

COST PLUS 15% - TRAVEL EXPENSES (INCLUDING MEALS & LODGING) OUTSIDE PRINTING, CONSUMABLE MATERIALS, AND SUBCONTRACTOR EXPENSES.

MINIMUM CHARGE

THERE IS A MINIMUM CHARGE OF 2 HOURS OF TECHNICIAN TIME PER JOB SITE VISIT, EXCEPT FOR CONCRETE CYLINDER AND SAMPLE PICKUP

OVERTIME (OVER 8 HOURS PER DAY OR SATURDAY, SUNDAY, AND HOLIDAY WORK) – 1.5 TIMES THE HOURLY RATE

HOURLY RATES - APPLY TO MEETING AND TRAVEL TIME, INCLUDING CONCRETE CYLINDER PICK-UP, FOR ALL PERSONNEL

DEPOSITION OR COURT TESTIMONY – 1.5 TIMES THE HOURLY RATE

HAZARDOUS OPERATION CHARGE:

FOR LEVEL C: 1.5 TIMES THE BASIC CHARGE; FOR LEVEL A & B: 2 TIMES THE BASIC CHARGES

FIELD TESTING AND INSPECTION CHARGES:

FIELD DENSITY (COMPACTION TEST)		BASIC CHARGES +	\$	9.50	/EACH
CONE PENETROMETER		BASIC CHARGES +	\$	18.00	/EACH
FLOOR FLATNESS EQUIPMENT		BASIC CHARGES +	\$	297.00	/EACH
DYNAMIC CONE PENETROMETER		BASIC CHARGES +	\$	29.50	/EACH
CORING EQUIPMENT CHARGES		BASIC CHARGES +	\$	118.50	/DAY
MAGNESIUM STRAIGHT EDGE		BASIC CHARGES +	\$	52.50	/DAY
ROLLING STRAIGHT EDGE		BASIC CHARGES +	\$	236.50	/DAY

LABORATORY TEST CHARGES:**AGGREGATES (ASTM)**

	UNIT CHARGE
L.A. ABRASION, SMALL AGG. (C131)	\$ 151.00
L.A. ABRASION, LARGE AGG. (C535)	\$ 184.00
SULFATE SOUNDNESS TEST (C88): 5-CYCLE	\$ 254.00
SULFATE SOUNDNESS TEST (C88): 10-CYCLE	\$ 354.00
SULFATE SOUNDNESS TEST (C88): 20-CYCLE	\$ 500.00
SIEVE ANALYSIS, DRY AGG. (C136)	\$ 62.00
SIEVE ANALYSIS (C117)	\$ 75.50
SIEVE ANALYSIS (C117, C136)	\$ 93.50
SPECIFIC GRAVITY, FINE AGG. (C128)	\$ 68.50
SPECIFIC GRAVITY, COARSE AGG. (C127)	\$ 68.50
LIGHTWEIGHT PIECES IN AGG. (C123)	\$ 106.00
ORGANIC IMPURITIES (C40)	\$ 62.00
FLAT & ELONGATED PIECES (D4791)	\$ 93.50
DELETERIOUS MATLS (MODOT TM71)	\$ 82.00
CLAY LUMPS & FRIABLE PARTICLES (C142)	\$ 101.00
DRY RODDED UNIT WEIGHT (C29)	\$ 44.00

MASONRY TESTS (ASTM)

COMPRESSIVE STRENGTH 4" BLOCK	\$ 30.50
COMPRESSIVE STRENGTH 6" BLOCK	\$ 38.00
COMPRESSIVE STRENGTH 8" BLOCK	\$ 52.50
COMPRESSIVE STRENGTH 12" BLOCK	\$ 87.00
COMPRESSIVE STRENGTH MORT/GR CUBE	\$ 14.50
GROUT PRISM	\$ 14.50
MORTAR CYLINDER (2" X 4")	\$ 14.50
ABSORPTION, MASONRY BLOCK	\$ 50.50
LINEAR SHRINKAGE (SET OF 3)	\$ 379.00

BITUMINOUS TESTING

ASPHALT CONTENT	\$ 113.50
ASPHALT CONTENT & AGG. GRADATION	\$ 189.00
SIEVE ANALYSIS EXTRACTION	\$ 93.50
MARSHALL TEST, FIELD - 3 PUCKS	\$ 93.50
MARSHALL TEST, LAB - 3 PUCKS	\$ 138.50
RETAINED STABILITY	\$ 214.00
ASPHALT CORE DENSITY, EACH	\$ 30.50
THEORETICAL MAX. DENSITY	\$ 151.00

CONCRETE/ROCK CORE

CORE TRIM & TEST	\$ 50.25
THICKNESS (AASHTO T148/ASTM C174)	\$ 28.50

SOIL TESTS (ASTM)

	UNIT CHARGE
ATTERBERG LIMITS (D4318)	\$ 68.50
SWELL TEST, 1/16 TSF (D4546)	\$ 184.00
SWELL PRESSURE (D4546)	\$ 347.50
SHRINKAGE LIMIT (D4643)	\$ 68.50
MOISTURE CONTENT (2216)	\$ 7.50
SIEVE + HYDROMETER	\$ 170.00
HYDROMETER ONLY (D422)	\$ 93.50
USCS CLASSIFICATION	\$ 31.50
PERCENT PASSING #200	\$ 50.50
SPECIFIC GRAVITY (D845)	\$ 87.00
UNCONFINED COMPRESSION	\$ 60.00
UNCONFINED/TRIAXIAL, REMOLDED	\$ 93.50
TRIAxIAL TEST, PP, CU w/PP /POINT	\$ 368.50
ORGANIC MATTER (D2974-C)	\$ 62.00
PENETROMETER	\$ 5.50
SAMPLE PREP, PER HOUR	\$ 60.00
SHELBY TUBE DENSITY	\$ 38.00
RESISTIVITY, 1 POINT	\$ 73.50
RESISTIVITY, MINIMUM	\$ 84.00
PERMEABILITY, FALLING HEAD	\$ 453.50
PERMEABILITY, FLEXIBLE WALL	\$ 428.50
PERMEABILITY CONSOLIDATION TEST	\$ 189.00
CONSOLIDATION TEST, TO 8 TSF	\$ 480.00
CONSOLIDATION TEST, >8 TSF	\$ 62.00
CALIFORNIA BEARING RATIO, LAB, /PNT	\$ 126.00
Ph	\$ 62.00

LABORATORY COMPACTION TESTS

MOISTURE DENSITY RELATIONSHIP	
STD. PROCTOR (D698), MTH. A & B	\$ 181.50
STD. PROCTOR (D698), MTH. C	\$ 214.00
STD. PROCTOR (D698), 1 POINT	\$ 64.00
MOD. PROCTOR (D1557), MTH. A & B	\$ 221.50
MOD. PROCTOR (D1557), MTH. C	\$ 299.50
MOD. PROCTOR (D1557), 1 POINT	\$ 70.50
RELATIVE DENSITY	\$ 454.50

CONCRETE TESTING

4" X 8" OR 6" X 12" TEST MOLD	\$ 2.25
6" X 12" CYLINDER, TESTED AND MOLD	\$ 17.25
4" X 8" CYLINDER, TESTED AND MOLD	\$ 12.25
SAW CONCRETE CYLINDER	\$ 29.75
BEAM FLEXURAL STRENGTH	\$ 42.00
CONCRETE BEAM, NOT TESTED	\$ 23.75
SAMPLE PREP, CLIENT MADE (5 CYLS.)	\$ 31.50



DRILLING SERVICES CHARGES:

ENGINEER, STANDBY TIME, STAKEOUT CREW & OFFICE PERSONNEL	BASIC CHARGES
MILEAGE - CME 55 RIGS (\$100 MINIMUM)	\$ 2.89 /MILE
MILEAGE - CME 75 RIGS (\$100 MINIMUM)	\$ 3.27 /MILE
MILEAGE - CME 550 RIGS (\$150 MINIMUM)	\$ 3.27 /MILE
CME 55 DRILL RIG AND TWO MAN CREW	\$ 211.00 /HOUR
CME 75 DRILL RIG AND TWO MAN CREW	\$ 245.50 /HOUR
CME 550 DRILL RIG AND TWO MAN CREW	\$ 245.50 /HOUR
CORE BIT CHARGE	\$ 6.92 /FOOT
ROCK CORE SET UP	\$ 86.05 /BORING
DECONTAMINATION EQUIPMENT	\$ 167.00 /DAY
GROUT MACHINE	\$ 278.50 /DAY
PLUG & BACKFILL BORINGS (UP TO 20 FT. DEPTH)	\$ 13.00 /EACH
ALL-TERRAIN DRILL RIG RENTAL SURCHARGE	\$ 334.00 /DAY
CME 55 EQUIPMENT RENTAL SURCHARGE	\$ 184.00 /DAY
CME 75 EQUIPMENT RENTAL SURCHARGE	\$ 236.50 /DAY
WATER TRUCK TANK & EQUIPMENT SURCHARGE	\$ 89.50 /DAY
RESISTIVITY, FIELD TESTING, EQUIPMENT	\$ 289.00 /DAY
DOWNHOLE, CAMERA, ROCK CORE	\$ 131.50 /DAY
MINIMUM DRILLING CHARGE	\$ 2,000.00 /DAY

DRILLING ITEM:

	<u>DEPTH:</u>				
	<u>0' TO 20'</u>	<u>20' TO 40'</u>	<u>40' TO 60'</u>	<u>60' TO 100'</u>	<u>100' TO 150'</u>
SOIL OVERBURDEN, 4 IN. AUGER	\$ 9.20	\$ 10.25	\$ 11.35	\$ 12.70	\$ -
SOIL OVERBURDEN, 6 IN. HS AUGER	\$ 11.10	\$ 12.70	\$ 13.75	\$ 15.40	\$ -
SOIL OVERBURDEN, 8 IN. HS AUGER	\$ 11.90	\$ 13.75	\$ 16.75	\$ 19.50	\$ -
SOIL OVERBURDEN, 10 IN. HS AUGER	\$ 12.70	\$ 19.50	\$ -	\$ -	\$ -
SOIL OVERBURDEN, 12 IN. HS AUGER	\$ 15.40	\$ 23.60	\$ -	\$ -	\$ -
ROCK PENETRATION	\$ 34.35	\$ 38.40	\$ 40.85	\$ 47.55	\$ 70.10
NQ CORING	\$ 44.65	\$ 47.55	\$ 53.55	\$ 61.65	\$ -
STANDARD PENETRATION TEST	\$ 25.40	\$ 31.60	\$ 38.70	\$ 44.65	\$ -
3IN. SHELBY TUBES	\$ 31.60	\$ 38.70	\$ 44.65	\$ 51.40	\$ -

NOTE: A HIGHER PRICE WILL APPLY WHEN THERE IS AN INCREASED RISK OF LOSING AUGERS OR BREAKING CORE BARRELS.



Sec. 2-60. - Functions of public works committee.

It shall be the duty of the committee to have general oversight of the streets, alleys and public ways of the city, including all street improvements, street repair, construction of bridges and culverts, establishing all public ways, alteration or vacation of streets or other public ways, or parts of the same, and, generally, to observe and report any dangerous condition on any of the streets or public ways of the city, that might be, or become detrimental to persons using the same. The committee shall recommend improvements of public streets, alleys and public ways and designate the manner and places for necessary repairs thereon, and perform such duties pertaining to the public streets or public works of the city, as may be referred to it by the council. In this connection it shall be deemed the duty of the street commissioner to work under the supervision of the committee on streets and alleys, and it shall be the duty of this committee to investigate and recommend to the council a suitable and proper person for street commissioner. It shall be the duty of the committee to have general oversight over public health related matters involving the city government and city ordinances, and further to perform such duties pertaining to public health matters as may be referred to it by the mayor and city council.

(Ord. No. 6782, § 3, 11-14-95)