



HARRISVILLE CITY

363 West Independence • Harrisville, Utah 84404 • (801) 782-4100

CITY COUNCIL MEETING
AMENDED AGENDA
363 West Independence Blvd
August 9, 2016

MAYOR:

Bruce N. Richins

COUNCIL MEMBERS:

Jeffery Pearce
Gary Robinson
Jennifer Jensen
Michael Murtha
Ruth Pearce

"In accordance with the Americans with Disabilities Act, the City of Harrisville will make reasonable accommodations for participation in the meeting. Request for assistance can be made by contacting the City Recorder at 801-782-4100, providing at least three working days advance notice of the meeting."

7:00 P.M. CITY COUNCIL MEETING
Presiding: Mayor Bruce Richins
Mayor Pro Tem: Jennifer Jensen

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE & OPENING CEREMONY** [Council Member Jensen]
3. **CONSENT ITEMS**
 - a. Approve the minutes of July 26, 2016 as presented.
4. **BUSINESS ITEMS**
 - a. PUBLIC HEARING-Larsen Lane widening and expansion. [Matt Robertson]
 - b. Discussion/possible action to award bid for Larsen Lane and Washington Blvd intersection improvements project. [Sean Lambert]
 - c. Discussion/possible action to approve Harrisville City Resolution 16-10; a resolution entering an Interlocal Agreement with UDOT for a new signal at Washington Blvd & Larsen Lane.[Bill Morris]
 - d. Discussion/possible action on advice and consent to Mayor's Appointment for Mayor Pro Tem.[Mayor Richins]
5. **PUBLIC COMMENTS - (3 minute maximum)**
6. **MAYOR/COUNCIL FOLLOW-UP:**
7. **CLOSED EXECUTIVE SESSION:** Utah State Code §52-4-204 & §52-4-205(1)(a): The Council may consider a motion to enter into Closed Executive Session for the purpose of discussion of character, professional competence, or physical or mental health of individual(s).
8. **ADJOURN**

DATE POSTED: August 5, 2016

BY: Jennie Knight, City Recorder

I, Jennie Knight, certify that I am the City Recorder of Harrisville City, Utah, and that the foregoing City Council agenda was faxed to the Ogden Standard Examiner, Weber County Library, and neighboring cities. The agenda was also posted at the following locations: City hall, on the City's website www.cityofharrisville.com and the State Public Meeting Notice website at <http://pmn.utah.gov>.

**CITY COUNCIL MEETING
AMENDED AGENDA
363 West Independence Blvd
July 26, 2016**

Present: Mayor Bruce Richins, Council Member Mike Murtha, Council Member Jennifer Jensen, Council Member Gary Robinson, Council Member Jeff Pearce, Council Member Ruth Pearce.

Staff: Jennie Knight, City Recorder, Rick Hill, Bailiff, Max Jackson, Police Chief.

Visitors: Beth Holbrook, Michelle Tait, Austin Tracy, Aspen Teuscher.

6:00 P.M. HERITAGE DAYS WORK SESSION

Mayor Richins welcomed everyone and opened the work session.

Council Member Jeff Pearce mentioned they are running short on time. He reported the food truck vendor was supposed to bring in a menu. America First will provide donation for saw dust scramble and also candy.

Council Member Jeff Pearce reported the signs are up. Mayor Richins said Council Member Jensen designed the big sign on the building that can be reused. The red and white ones are also reused with the new dates.

Council Member Jeff Pearce said the youth city council has been working hard to pull the parade together. Mayor Richins contacted North View Fire Department who agreed to support the parade. City Council members should participate, but are to provide their own ride or walk in the parade. Council assumes the parade route is the same as in the past. Mayor Richins suggested having flyers handed out to people during the parade notifying them of the evening activities.

Council Member Jensen is working on the 5K route. Council Member Murtha said Lee's participation has been confirmed, and he assumes Smith's will be approved. Council Member Jensen said VASA, Strider's, Bingham Cyclery have been contacted for prizes but she has not received a response. She has the medals and shirts. Council Member Murtha will follow up with North View Fire Department. Council Member Jensen has contacted Weber high for timing. She has Raptors tickets and movie tickets for prizes. Council Member Murtha said the course route is still to be finalized. Mayor Richins confirmed Chili's will be selling food and also mentioned an emergency with the Chili's manager.

Council Member Jensen asked if Council Member Robinson has any assignments. She expressed concern and frustration for council complacency. Members were all voted onto the council. When they signed up, they knew this would be part of their assignment. She would like to see more enthusiasm. They need to step up and do a little more, be more supportive, and serve the citizens in this capacity since citizen money is used for this event.

Mayor Richins said the city will be buying \$250 worth of gift cards, and Chili's will be giving additional coupons worth the same amount to be given out.

There was some discussion pro and con about increasing the fireworks. There are no competing events for fireworks the first weekend in August. Mayor Richins said he will be shopping around for fireworks in the future and will gather some information about different providers. Council Member Robinson asked if there is an interlocal agreement to make a proposal to have multiple cities do a joint buying contract. Although he likes the fireworks, he mentioned fire hazards and necessary precautions. Council Member Jensen said the fire department is on site during fireworks. Mayor Richins asked Council Member Jeff Pearce to follow up with North View Fire. Council Member Ruth Pearce noted the event is on North View's calendar. Council Member Robinson asked if it becomes necessary, if the Mayor is the one who would cancel fireworks. Mayor Richins said they were canceled one year because of wind, and Council Member Robinson recalled they were postponed until a safer date.

Mayor and Council discussed the remaining items. Council Member Jensen said she needs prizes for the 5K, prizes for the drawings during the dance and hypnotist. Mayor Richins has not yet requested prizes from Walmart. Council Member Jensen suggested two-liter bottles which could be used to hang Zeppes gift Cards. She reported she has a few of the following: Raptors tickets, movie tickets, gift cards from Zeppes and Toads. Council Member Robinson asked if Pepsi has been contacted. Council Member Jensen said when she contacted them in the past they informed her they do not give donations. Council Member Jeff Pearce will follow up with the garbage cans and with public works department.

Mayor Richins mentioned promoting the event on social media, and asked Council Member Jeff Pearce to get information to Jennie Knight.

Council Member Murtha asked which council member will be in charge next year. Mayor Richins said that Council Member Murtha is the vice-chair this year which will make him chair next year. Council Member Jeff Pearce said that a volunteer handled Heritage Days in the past. Council Member Jensen suggested paying someone to run this event, but this would still require someone to oversee and manage what is done. Council Member Murtha said talking about these items earlier next year. Mayor Richins said the end of August would be a good time to discuss this. Council Member Robinson suggested a poll to get citizen feedback on the celebration. Council Member Jeff Pearce said the information booth will be manned the entire time. He did that last year. Mayor Richins asked Council Member Robinson to put together a survey. When Council Member Robinson asked Council Member Murtha his comments, he responded that once they receive feedback from residents they will go by the voice of the people. He does not want to see the youth city council get thrown in the middle of it.

Council Member Jensen reminded him that the youth came and voiced their opinion and then took the task on themselves. Instead of just complaining about not having a parade, they went forth and are doing it. Council Member Murtha said this is the type of

involvement he would like from all the citizens. With an opportunity for citizens to respond, Council can go off from the feedback they receive. He said it has been a learning experience this year and lack of early planning has put them in this place. They need to decide early what the timing expectation will be. When assignments are made, there will be a deadline. He suggested a checklist to get make sure items get done. He gave explanation for voting “no” to the parade because they must meet the deadline. Council Member Jensen said citizens expect a parade. Council Member Murtha said the youth city council will be heavily involved in this in the future. Mayor Richins expressed concern about deciding on the 5K route. The map will be posted on the website.
[Council Member Jensen left the meeting due to a family emergency.]

7:00 P.M. CITY COUNCIL MEETING

1. Call to Order.

Mayor Richins called the meeting to order and welcomed all visitors.

2. Opening Ceremony.

Council Member Robinson conducted the opening ceremony and led the pledge of allegiance.

3. Consent Items.

- a. Approve the minutes of July 12, 2016 as presented.

Council Member Robinson pointed out a clerical error in the minutes with the roll call vote. Jennie Knight said this has been corrected.

MOTION: Council Member Ruth Pearce motioned to approve the minutes with correction. Council Member Murtha seconded the motion. All Council Members voted aye. Motion passed.

4. Business Items.

- a. Discussion/possible action to approve Harrisville City Resolution 2016-09; a resolution extending the contract for Waste Management Services.
Beth Holbrook, Waste Management, thanked Council for the partnership that they have with the city to meet needs of the resident’s. She is here to renew the contract and also provide recycling statistics. She asked for any council questions. Council Member Robinson said there is no pricing included in the contract. Beth said this was presented to Bill Morris. She said the first can is \$13. Her proposal does not include any consumer price increases. She gave some statistics and said Waste Management does not recommend any price increase until 2019. Council Member Murtha said the Council voted on a price increase last year. He asked for clarification. Beth Holbrook said there would be no increase for the next three years. Their proposal is keeping the pricing the same, and hope to extend this until 2022. Council Member Jeff Pearce asked if the tipping fees are increasing. Beth Holbrook said tipping fees are fairly consistent for garbage. She said the recycling is going through changes. With this proposal they will absorb any change in the recycling fees. There are now entities that are considering

tipping fees for recycling. They will not be passing off any costs to the residents. It is based on the cost of fuel. Major consumers of recyclers are China and India. They are being more careful on what they will take on as recyclable. They anticipate things will stay the same. This contract will not be changed as far as the recycling. Council Member Murtha asked if recycling has become more efficient. Beth Holbrook answered yes; they are trying to implement an education process for residents. If more people understand recycling as a commodity, the more they will understand it has value. They want to encourage recycling behavior. Although we live in a dry state, they would encourage people to clean out the containers. Behavior is ultimately the goal. Council Member Murtha mentioned he read where the amount recycled is very low comparatively. He applauded them on their efforts to educate. Council Member Robinson asked about plastic bags. She encourage taking plastic bags back to the retailer because it is better for retailers to bundle these in a large container for recycling. She reported on California's efforts to ban these bags. Council Member Robinson said the city usually puts things out to bid, and garbage is never part of the bid process. Council discussed garbage service providers.

MOTION: Council Member Murtha motioned to approve Harrisville City Resolution 2016-09; a resolution extending the contract for Waste Management Services. Council Member Ruth Pearce seconded the motion. A Roll Call Vote was taken.

Council Member Ruth Pearce	Yes
Council Member Murtha	Yes
Council Member Robinson	Yes
Council Member Jeff Pearce	Yes

Motion passed 4-0.

Beth Holbrook gave a power point presentation on the recyclable statistics. Council Member Murtha asked at what point a weekly recycle program would be considered. Beth Holbrook explained the factors that affect the numbers. Mayor Richins gave a history of the recycle program in Harrisville. Council Member Robinson asked about garbage disposals. Beth Holbrook said food waste is a huge event. Many people do not like food disposals. A lot of companies are trying to dispose of food waste without it going through the sewer. There are test cases to capture food waste to sell as an energy solution. Council Member Jeff Pearce requested an updated recycle calendar.

- b.** Discussion/possible action on advice and consent to Mayor's Appointment of Michael Murtha as Mayor Pro Tem.

Mayor explained that Mike Murtha will serve as the Mayor Pro Tem for the next six months.

MOTION: Council Member Jeff Pearce motioned to ratify the Mayor's Appointment of Michael Murtha as the Mayor Pro Tem until December 31, 2016.

Council Member Robinson seconded the motion. All Council Members voted aye. Motion passed.

5. Public Comments - (3 minute maximum)

Austin Tracy, 1825 N. Hwy 89, reported the youth city council is really behind the parade. They already have seven entries. One problem she is running into is when businesses are approached they are opting not to participate because they do not have the option of vendor booths at the park. Austin Tracy asked if they do extra garbage pickup in Harrisville. Beth Holbrook said payment for extra pickup would be passed on to the resident as a onetime fee so it is not billed to the city.

Jeff Pearce asked if North View Fire Department has been contacted about the parade. Austin Tracy said she has been in contact with them.

6. Mayor/Council Follow-Up:

Mayor Richins gave an update on the splash pad. They are waiting on an electrician's schedule. They replaced both pumps. Feedback was that replacing only the pump that burned out would put pressure on the remaining one so that it would likely go out. During off season, the pump will be rebuilt.

Mayor Richins reminded council that ULCT training is in September. A detailed agenda is on line.

Mayor Richins mentioned they will be discussing the Rural Community Consultants proposal that has been given to Council at a later time.

Mayor Richins asked Jennie Knight to give a brief overview of the Farmer's Market. Jennie Knight reported that attendance for the market is down and there are concerns with how the grant money is being used. There are specific requirements that must be met for these funds. She indicated there is not a paper trail with spending and this creates concern with the city being awarded future grants. The volunteer running the market has not met the requirements agreed upon in the contract. Some vendors are being charged a weekly fee and some are not; there is little consistency. Mayor and Council gave discussion on the Farmer's Market viability. Michelle Tait offered to help Jennie Knight facilitate the remainder of the Farmer's Market season with Council approval. Mayor and Council agreed to dissolve the agreement with Susan Crothwait and allow staff to coordinate efforts on the market for the remainder of the season.

- 7. CLOSED EXECUTIVE SESSION:** Utah State Code §52-4-204 & §52-4-205(1)(a): The Council may consider a motion to enter into Closed Executive Session for the purpose of discussion of character, professional competence, or physical or mental health of individual(s).

MOTION: Council Member Jeff Pearce motioned to close the regular public meeting and enter into a Closed Executive Session. Council Member Murtha seconded the motion. All Council Members voted aye. Motion passed.

Mayor and Council convened into an Executive Session.

MOTION: Council Member Murtha motioned to close the Closed Executive Session and reopen the public meeting. Council Member Jeff Pearce seconded the motion. All Council Members voted aye. Motion passed.

8. Adjourn.

Mayor Richins declared the meeting adjourned at 9:22pm.

ATTEST:

BRUCE RICHINS
Mayor

JENNIE KNIGHT

City Recorder

Approved this 9th day of August, 2016

Larsen Lane Improvements

Presented to the
Harrisville City Council
August 9, 2016

LARSEN LANE IMPROVEMENTS

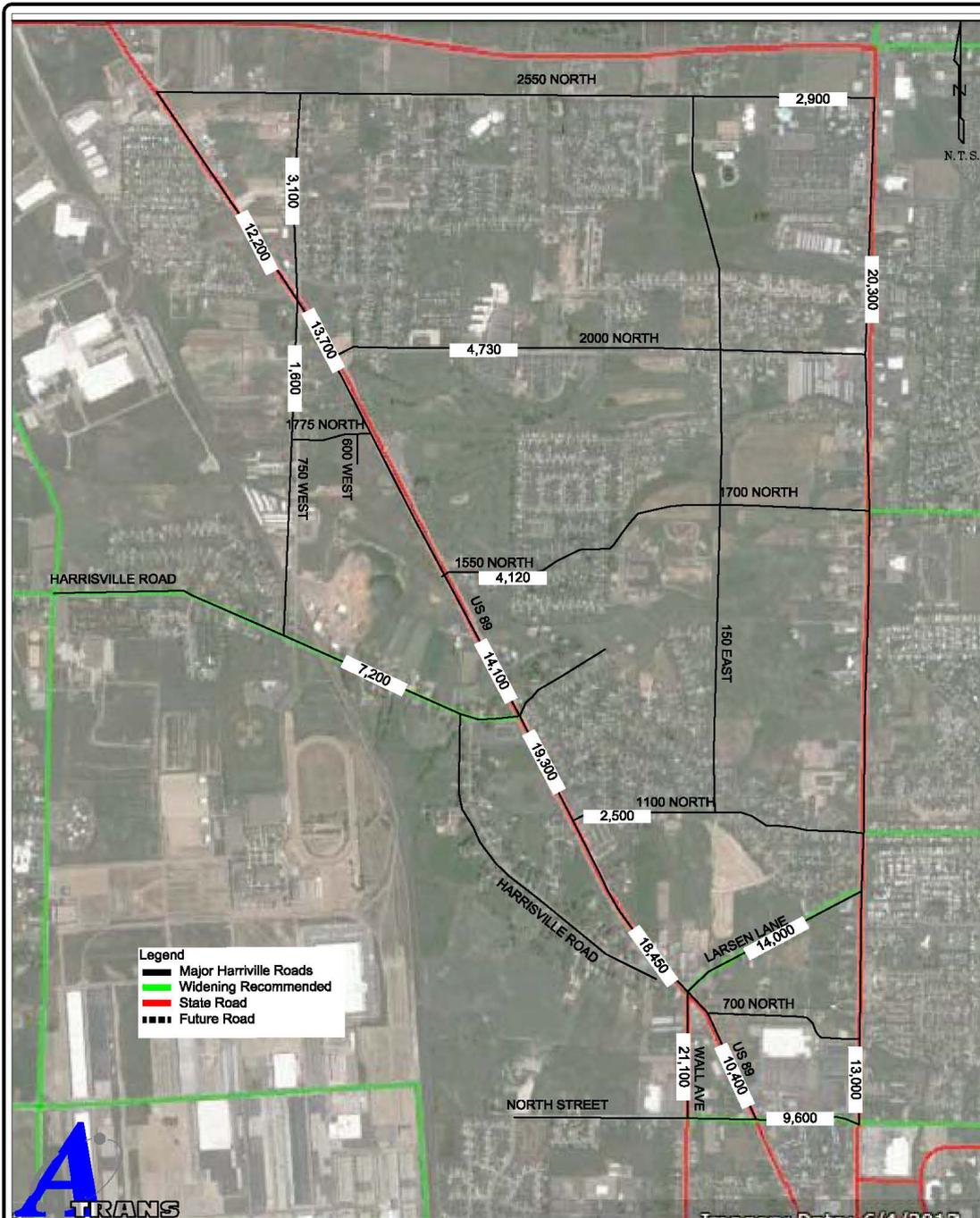
The purpose of this presentation is to:

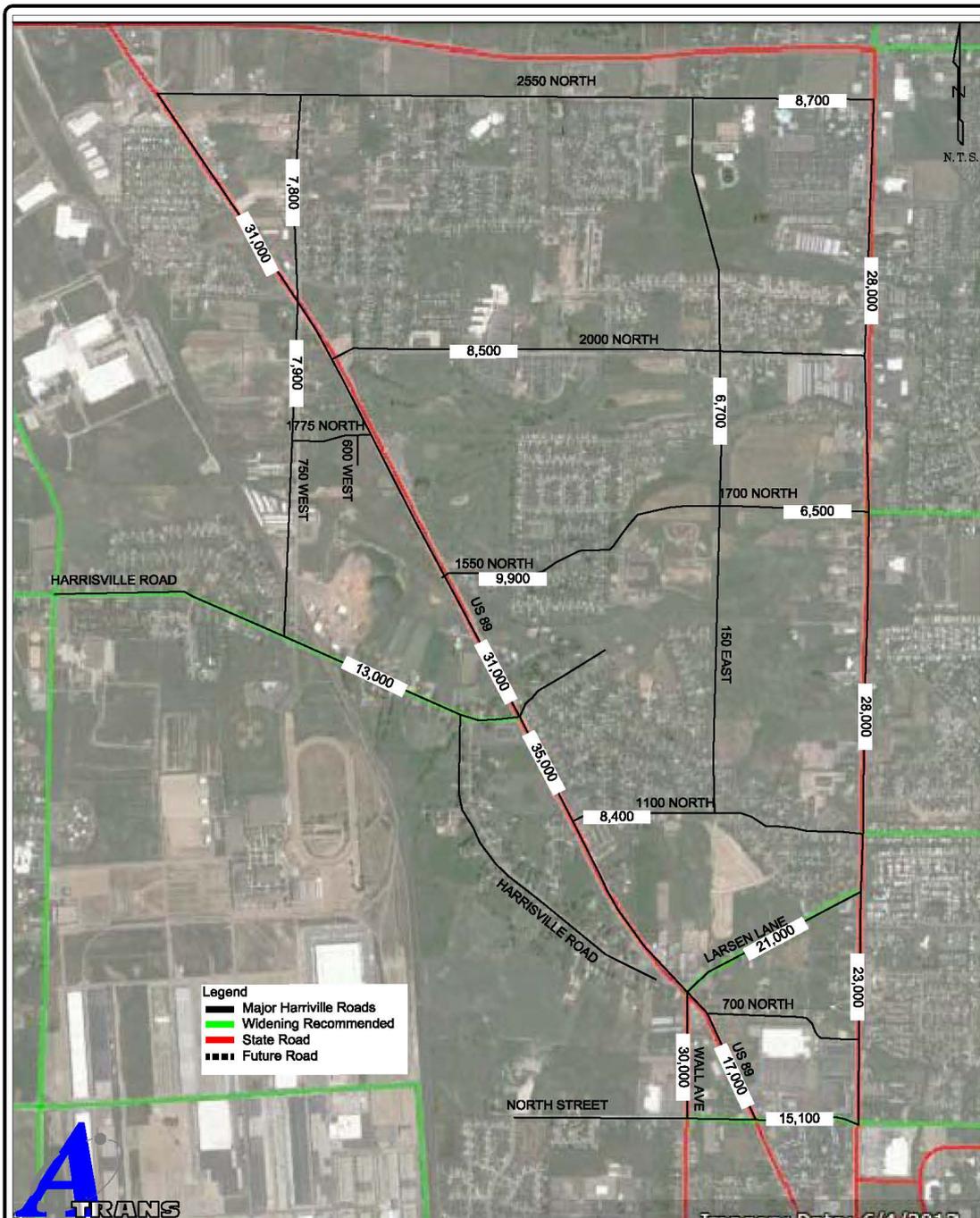
- Explain the need for improvements on Larsen Lane
- Review the intersection improvements project at Larsen Lane & Washington Blvd.
- Review the future widening of Larsen Lane

LARSEN LANE IMPROVEMENTS

PURPOSE AND NEED

- Larsen Lane is a minor arterial and should have an 84' R.O.W.
- Level of Service (LOS) – only City street with LOS F ranking
- Past studies have recommended widening of road
 - 2010 Transportation Impact Study by Utah LTAP – LOS D approaching E
 - 2011 UDOT Study – dual left turn lanes are warranted and would be beneficial
 - 2015 Transportation Impact Fee Facilities Plan – LOS F
- 2014 AADT = 14,000
- AADT Required to Maintain LOS D = 10,500
- Projected 2030 AADT = 21,000





LARSEN LANE IMPROVEMENTS

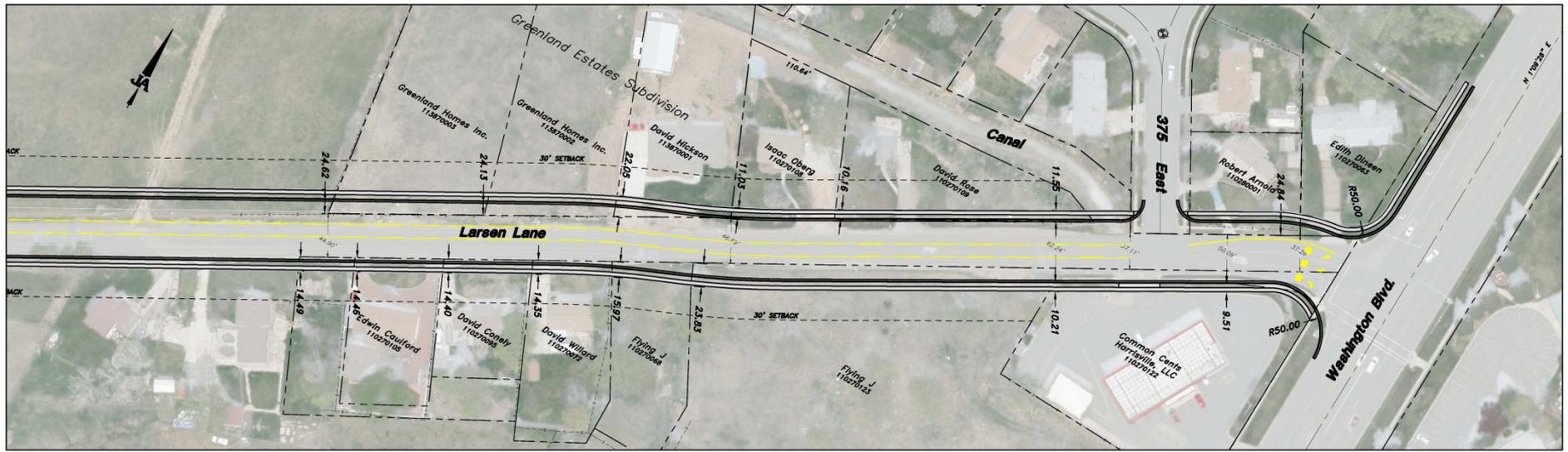
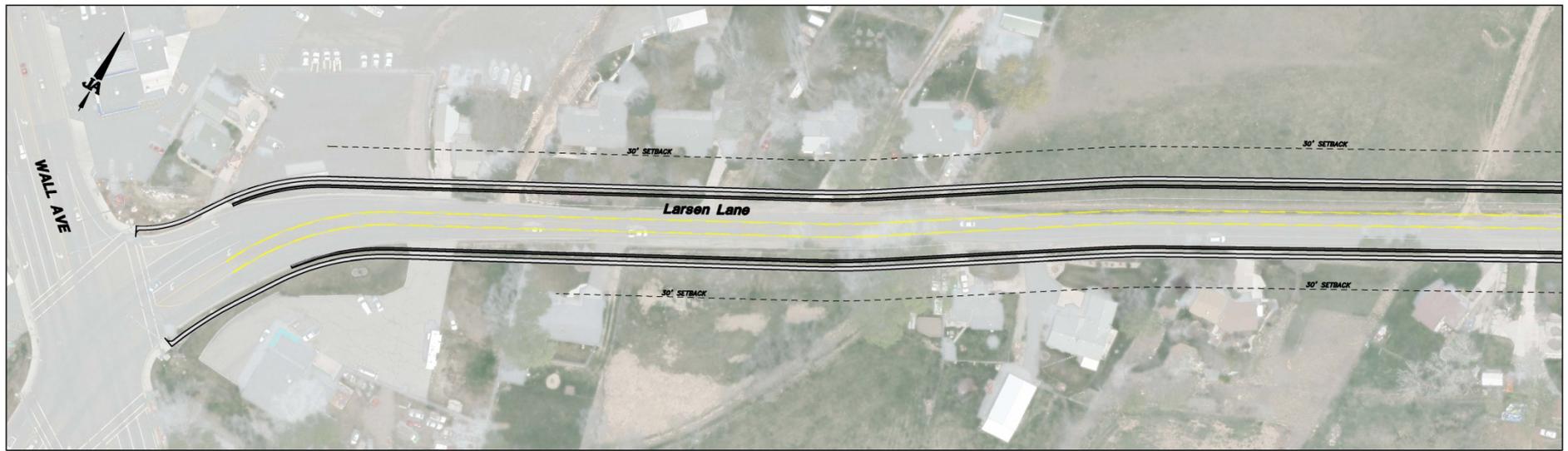
WASHINGTON BLVD. INTERSECTION

- Widen Larsen Lane by 11' to add dual left-turn lanes
- Bids received June 2016
- Construction set for August 2016 - October 2016
- Project funded by three agencies:
 - Road Widening - Weber County Local Transportation Funds (WACOG)
 - Traffic Signals - UDOT
 - Culinary Water – Bona Vista Water Improvement District
- Right of Way for widening acquired from Common Cents

LARSEN LANE IMPROVEMENTS

ROAD WIDENING

- Increase right-of-way to 84' wide
- Increase asphalt width from 28' to 60'
- Street Cross Section (3 lane road)
 - 12' lanes, 14' median, & 11' parking on both sides
- Conceptual road alignment
 - Determined by maintaining 30' setback for homes
- Thoroughbred Crossing Subdivision



PROJECT ENGINEER			
DATE	REV.	DATE	APPR.

SCALE:
1" = 100'

DESIGNED	NAME
DRAWN	NAME
CHECKED	NAME

JJA
JONES & ASSOCIATES

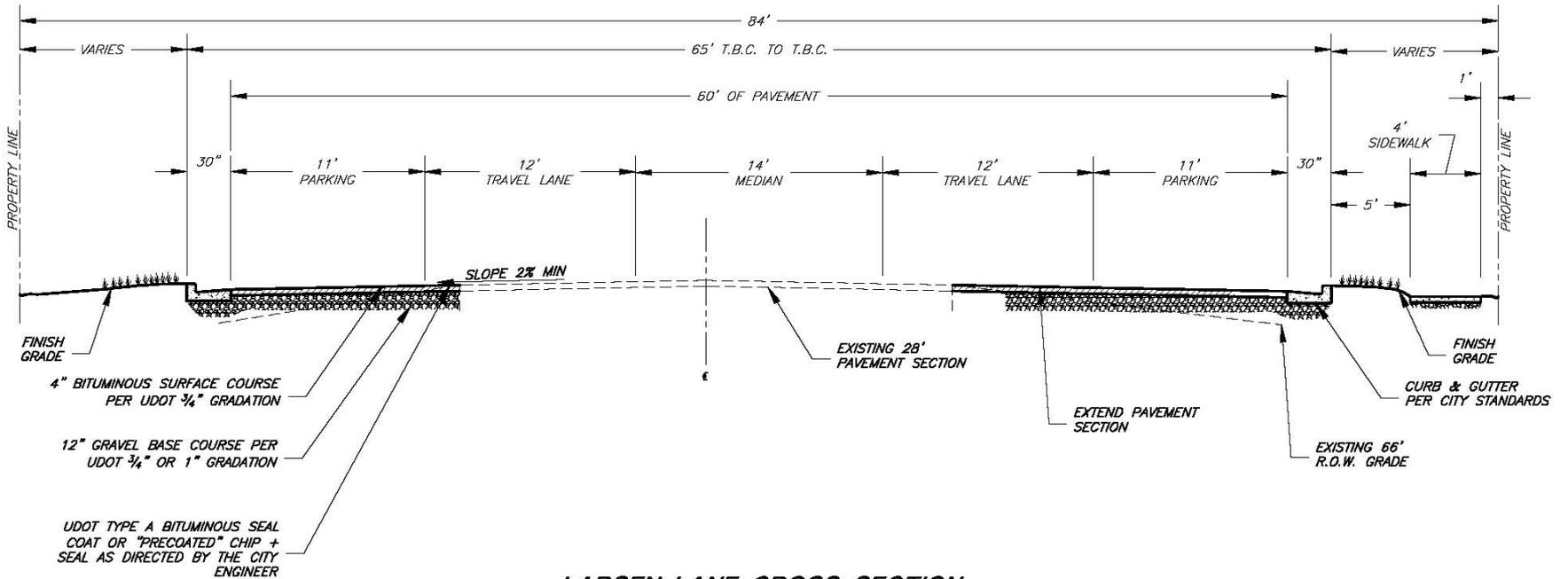
CONSULTING ENGINEERS

1716 East 5600 South
South Ogden, Utah 84403 (801) 476-9767

HARRISVILLE CITY CORPORATION

LARSEN LANE RIGHT-OF-WAY: PRELIMINARY ALIGNMENT

SITE PLAN AND STRIPING PLAN



LARSEN LANE CROSS SECTION



CONSULTING ENGINEERS

1716 East 5800 South
 South Ogden, Utah 84403 (801) 476-9767

SCALE:

N.T.S.

HARRISVILLE CITY CORPORATION

LARSEN LANE STP CONCEPT REPORT

PROPOSED STREET CROSS SECTION

SHEET:

2

OF 2 SHEETS

0

LARSEN LANE IMPROVEMENTS

CONCLUSION

- Widening is necessary to improve Level of Service
- Intersection project to be completed 2016
- Widening project scheduled for 2018-2019
- Questions



CONSULTING ENGINEERS

MEMORANDUM

TO: Harrisville City Mayor and Council

FROM: Matthew L. Robertson, P.E.
Harrisville City Engineer

RE: **Larsen Lane & Washington Blvd. Intersection Improvements**

Date: August 4, 2016

Bids were opened June 9, 2016 at 2:00 p.m. for the LARSEN LANE & WASHINGTON BLVD. INTERSECTION IMPROVEMENTS PROJECT. Three (3) bids were received. The results of the bidding are shown on the enclosed Summary of Proposals Received. We have checked the bids and found only a couple of errors that did not affect the results of the bid.

We have reviewed all bids and recommend that the council award the work to **STAPP CONSTRUCTION**, based upon their experience in doing similar work, their good references and their low bid of **\$372,416.00** – see attached Summary of Proposals Received.

If the Council agrees with this recommendation, please pass a motion accepting the bid and awarding the project to STAPP CONSTRUCTION with their bid of \$372,416.00. Please sign the Contract Agreements and the Notices of Award and return them to our office. We will deliver the documents to the contractor for their signature. In addition to the signed Notice of Award and Contract Agreement, the Contractor is also responsible to submit the following within 10 days:

1. Performance Bond
2. Payment Bond
3. Insurance Certificates

When these documents have been received, we will schedule a Preconstruction Conference. At this conference we will issue a Notice to Proceed and discuss the construction details with the contractor prior to beginning the work. The contractor plans to begin work on August 15, 2016 and complete the work by October 15, 2016.



JONES &
ASSOCIATES CONSULTING ENGINEERS

NOTICE OF AWARD

TO: **STAPP CONSTRUCTION**
125 North 400 West
North Salt Lake, UT 84054

PROJECT DESCRIPTION: **Larsen Lane and Washington Blvd. Intersection Improvements**

The owner has considered the bid submitted by you for the above-described work in response to its Notice Inviting Bids dated **June 9, 2016** and information for Bidders.

You are hereby notified that your bid has been accepted for construction of the work in the amount of:
\$372,416.00

You are required under the terms of the Notice Inviting Bids and the Information for Bidders to execute the Contract Agreement, furnish the required bonds and certificates of insurance, and provide documentation of participation in the Federal and State Status Verification System within 10 calendar days from the date of this Notice to you. If you fail to execute said Agreement and furnish bonds and certificates of insurance within 10 days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance to your bid to be abandoned and as a forfeiture of your Bid Bond. The Owner will be entitled to such rights as may be granted by law.

You are required to return an acknowledged copy of this Notice of Award to the Owner.

Dated this _____ day of **August, 2016**

BY: _____

TITLE: _____

ACCEPTANCE OF NOTICE

Receipt of the foregoing Notice of Award is hereby acknowledged

BY: STAPP CONSTRUCTION

This _____ day of **August, 2016**

BY: _____

TITLE: _____

CONTRACT AGREEMENT

This contract made and entered into the ____ day of August in the year 2016 between **HARRISVILLE CITY CORPORATION**, hereinafter called the OWNER and **STAPP CONSTRUCTION**, hereinafter called the CONTRACTOR.

Part I--Statement of Work

CONTRACTOR shall furnish all materials, equipment and personnel necessary to construct the **LARSEN LANE & WASHINGTON BLVD. INTERSECTION IMPROVEMENTS** ("WORK"). The WORK shall be accomplished in accordance with the Plans, Technical Specifications, General Conditions and Special Conditions ("SPECIFICATIONS") prepared by JONES AND ASSOCIATES, Consulting Engineers ("ENGINEER").

SPECIFICATIONS are incorporated herein by reference.

Part II--Period of Performance

The CONTRACTOR shall complete all work under this contract on or before **October 15, 2016**.

Contractor and Owner recognize that time is of the essence and that Owner will suffer financial loss if the Work is not completed within the time specified above, plus any approved extensions as outlined in the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner **\$ 1,000.00 per day for each day that expires after the completion time** specified in this agreement until the Work is substantially complete. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by Owner, Contractor shall pay Owner **\$ 1,000.00 for each day that expires after the contract completion time** for completion and readiness for final payment until the Work is completed and ready for final payment.

Part III- Consideration

For and in consideration of the performance of this contract, the CONTRACTOR shall be paid: **\$372,416.00 (Unit price contract-- Contract Price to be adjusted based on actual quantity of the work)**

Part IV--Special Provisions

- A. Wage Rate--N/A.
- B. Terms and Conditions
- (1) All provisions of the General Conditions of the Contract, **EJCDC Document C-700** shall be applicable to this contract except as may be modified by the joint written consent of owner and contractor.
 - (2) CONTRACTOR shall deliver to the OWNER required Bonds and Certificates of Insurance naming the OWNER, **HARRISVILLE CITY CORPORATION, and it's elected and appointed officials, employees, volunteers, agents, and others working on behalf of the OWNER** as additional insured.
 - (3) Indemnification: CONTRACTOR at its own expense, agrees to protect, indemnify, pay on behalf of, defend and hold harmless the OWNER, it's elected and appointed officials, employees and volunteers and their agents from all claims, demands, judgments, expenses, and all other damages of every kind and nature, made, rendered, or incurred by or in behalf of any person or persons whomsoever, including the parties hereto and their employees, which may arise out of any act or failure to act, work or other activity related in any way to this Project under this contract, by the CONTRACTOR, contractor's agents, employees, subcontractors, or suppliers in the performance and execution of this contract as outlined in Section 6.2 of the General Conditions.
 - (4) Utah Code Annotated Section 63G-12-302 (3) states: "Beginning July 1, 2009, a public employer may not enter into a contract for the physical performance of services within the state with a contractor unless the contractor registers and participates in the Status Verification System to verify the work eligibility status of the contractor's new employees that are employed in the State."

Owner:
HARRISVILLE CITY
363 W. Independence Ave.
HARRISVILLE, Utah 84403

Contractor:
STAPP CONSTRUCTION
125 N. 400 W.
North Salt Lake, UT 84054

Signature _____

Signature _____

Title _____

Title _____

Attest _____

BID OPENING

DATE: June 9, 2016
 TIME: 2:00 pm
 PLACE: Jones & Associates

SUMMARY OF PROPOSALS RECEIVED

Client: Harrisville City Corporation
 Project: Larsen Lane & Washington Blvd. Intersection Improvements



				ENGINEER'S ESTIMATE		~ 1 ~ STAPP CONSTRUCTION		~ 2 ~ POST ASPHALT		~ 3 ~ BOWEN CONSTRUCTION	
ITEM	DESCRIPTION	QUA.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Schedule "A" - Site Work and Utilities											
1	Remove existing tree (6"-12" dia., includes root ball)	3	Each	\$300.00	\$900.00	\$750.00	\$2,250.00	\$350.00	\$1,050.00	\$575.00	\$1,725.00
2	Remove existing 30" concrete curb and gutter	525	L.F.	\$4.00	\$2,100.00	\$5.00	\$2,625.00	\$2.50	\$1,312.50	\$3.63	\$1,905.75
3	Remove existing concrete flatwork (4" to 7" thick)	1,412	S.F.	\$2.00	\$2,824.00	\$2.00	\$2,824.00	\$0.50	\$706.00	\$1.34	\$1,892.08
4	Remove existing landscaping, excavate to subgrade for new sidewalk, curb & gutter, roadway and parking lot (excavate approx. 410 c.y.)	1	L.S.	\$10,000.00	\$10,000.00	\$16,400.00	\$16,400.00	\$6,150.00	\$6,150.00	\$8,570.00	\$8,570.00
5	Remove and dispose of existing asphalt surface course (6"-8" thick)	1,146	S.F.	\$1.00	\$1,146.00	\$2.00	\$2,292.00	\$0.70	\$802.20	\$1.63	\$1,867.98
6	Remove and dispose of existing asphalt surface course (3" thick)	2,250	S.F.	\$0.50	\$1,125.00	\$1.00	\$2,250.00	\$0.50	\$1,125.00	\$0.58	\$1,305.00
7	Saw-cut existing asphalt (6"-8" thick)	560	L.F.	\$3.00	\$1,680.00	\$4.00	\$2,240.00	\$1.50	\$840.00	\$1.38	\$772.80
8	Saw-cut existing asphalt (3" thick)	220	L.F.	\$2.00	\$440.00	\$2.00	\$440.00	\$1.00	\$220.00	\$1.30	\$286.00
9	Saw-cut, remove and dispose of existing reinforced concrete waterway and apron for existing catch basin	56	S.F.	\$5.00	\$280.00	\$8.00	\$448.00	\$8.00	\$448.00	\$5.13	\$287.28
10	Remove and dispose of existing 24" dia. concrete light pole base (36"-48" deep)	1	Each	\$400.00	\$400.00	\$500.00	\$500.00	\$800.00	\$800.00	\$468.00	\$468.00
11	Remove and dispose of existing curb inlet box (approx. 8' deep)	1	Each	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$977.00	\$977.00
12	Remove existing 4" wide paint striping by water-blasting	916	L.F.	\$3.00	\$2,748.00	\$2.00	\$1,832.00	\$1.30	\$1,190.80	\$0.59	\$540.44
13	Remove existing 12" wide thermoplastic striping by water-blasting or grinding	390	L.F.	\$5.00	\$1,950.00	\$5.00	\$1,950.00	\$12.00	\$4,680.00	\$8.30	\$3,237.00
14	Remove existing 2" water meter box and lid and salvage to Bona Vista Water District	1	Each	\$500.00	\$500.00	\$300.00	\$300.00	\$800.00	\$800.00	\$863.00	\$863.00
15	Remove and salvage existing stop and waste valve box and backflow preventer	1	Each	\$200.00	\$200.00	\$300.00	\$300.00	\$800.00	\$800.00	\$863.00	\$863.00
16	Furnish and install 1.5" SCH 40 power conduit, 18" bury, from light pole in parking lot to power box near sign. Includes 12 GA wire.	245	L.F.	\$7.50	\$1,837.50	\$15.00	\$3,675.00	\$2.50	\$612.50	\$13.80	\$3,381.00
17	Furnish and install 2" water meter station. Includes meter box, yoke, couplings, and lid as per Bona Vista Water Standards and two connections to 2" lines	1	EA.	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$8,000.00	\$8,000.00	\$8,280.00	\$8,280.00
18	Furnish and install 2" CTS poly pipe (200 psi) with 14 GA solid core tracer wire	80	L.F.	\$15.00	\$1,200.00	\$25.00	\$2,000.00	\$50.00	\$4,000.00	\$69.00	\$5,520.00
19	Connect to existing 2" corp. stop on water main	1	Each	\$200.00	\$200.00	\$300.00	\$300.00	\$1,500.00	\$1,500.00	\$1,725.00	\$1,725.00
20	Connect to existing 2" water service to building	1	Each	\$200.00	\$200.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$1,725.00	\$1,725.00
21	Furnish and install 1" CTS poly pipe (200 psi) with 14 GA solid core tracer wire and connect to existing 2" poly water service	180	L.F.	\$15.00	\$2,700.00	\$15.00	\$2,700.00	\$40.00	\$7,200.00	\$51.75	\$9,315.00
22	Furnish and install 1" stop and waste valve with traffic bearing valve box and lid	1	Each	\$250.00	\$250.00	\$1,050.00	\$1,050.00	\$1,500.00	\$1,500.00	\$1,725.00	\$1,725.00
23	Install salvaged backflow preventer in new location	1	Each	\$200.00	\$200.00	\$500.00	\$500.00	\$1,100.00	\$1,100.00	\$1,725.00	\$1,725.00
24	Furnish and install 4-station sprinkler valve control station complete with connection to existing sprinkler lines and connection to timer	1	Each	\$500.00	\$500.00	\$4,500.00	\$4,500.00	\$1,500.00	\$1,500.00	\$3,363.00	\$3,363.00
25	Construct 30" curb and gutter per City and UDOT Standards	366	L.F.	\$20.00	\$7,320.00	\$22.00	\$8,052.00	\$19.25	\$7,045.50	\$16.88	\$6,178.08
26	Construct 4" thick concrete flatwork including pedestrian access ramps	2,080	S.F.	\$5.50	\$11,440.00	\$5.50	\$11,440.00	\$4.70	\$9,776.00	\$3.93	\$8,174.40
27	Construct 7" thick concrete flatwork	336	S.F.	\$6.50	\$2,184.00	\$7.00	\$2,352.00	\$13.75	\$4,620.00	\$6.51	\$2,187.36
28	Furnish and install detectable warning panel in pedestrian access ramps	4	Each	\$200.00	\$800.00	\$250.00	\$1,000.00	\$880.00	\$3,520.00	\$287.50	\$1,150.00
29	Construct reinforced concrete waterway and apron around existing catch basin	56	S.F.	\$10.00	\$560.00	\$20.00	\$1,120.00	\$1,320.00	\$73,920.00	\$12.52	\$701.12
30	Furnish and install 72" storm drain manhole, includes connection to existing and new drain lines, and placing a concrete collar around manhole cover	1	Each	\$7,500.00	\$7,500.00	\$4,500.00	\$4,500.00	\$5,900.00	\$5,900.00	\$6,440.00	\$6,440.00
31	Furnish and install UDOT Standard single catch basin with grate and frame	1	Each	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00	\$4,025.00	\$4,025.00
32	Furnish and install 18" Class III RCP storm drain including gravel bedding and granular borrow backfill	45	L.F.	\$60.00	\$2,700.00	\$75.00	\$3,375.00	\$100.00	\$4,500.00	\$114.00	\$5,130.00
33	Furnish and install geotextile fabric (Geotex 315-ST or equal) and compact existing subgrade,	500	S.Y.	\$2.00	\$1,000.00	\$4.00	\$2,000.00	\$1.00	\$500.00	\$2.39	\$1,195.00
34	Furnish and install untreated base course	600	Ton	\$20.00	\$12,000.00	\$25.00	\$15,000.00	\$20.00	\$12,000.00	\$19.55	\$11,730.00

BID OPENING

DATE: June 9, 2016
 TIME: 2:00 pm
 PLACE: Jones & Associates

SUMMARY OF PROPOSALS RECEIVED

Client: Harrisville City Corporation
 Project: Larsen Lane & Washington Blvd. Intersection Improvements



				ENGINEER'S ESTIMATE		~ 1 ~ STAPP CONSTRUCTION		~ 2 ~ POST ASPHALT		~ 3 ~ BOWEN CONSTRUCTION	
ITEM	DESCRIPTION	QUA.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
35	Furnish and install 3/4" mix bituminous surface course (6" thick in 2 lifts in street)	220	Ton	\$80.00	\$17,600.00	\$96.00	\$21,120.00	\$68.00	\$14,960.00	\$88.55	\$19,481.00
36	Furnish and install 3/4" mix bituminous surface course (3" thick in parking lot)	45	Ton	\$75.00	\$3,375.00	\$100.00	\$4,500.00	\$70.00	\$3,150.00	\$88.55	\$3,984.75
37	Furnish and install micro-surface seal per UDOT specifications including traffic control and mobilization	640	S.Y.	\$11.00	\$7,040.00	\$11.00	\$7,040.00	\$12.00	\$7,680.00	\$12.65	\$8,096.00
38	Paint 4" wide yellow or white pavement lane striping as per plan	1,154	L.F.	\$0.50	\$577.00	\$1.50	\$1,731.00	\$0.75	\$865.50	\$0.23	\$265.42
39	Paint 8" wide white pavement lane striping as per plan	464	L.F.	\$1.00	\$464.00	\$1.50	\$696.00	\$1.00	\$464.00	\$0.46	\$213.44
40	Furnish & install 12" wide thermoplastic striping for crosswalks and stop bars as per plan	439	L.F.	\$8.00	\$3,512.00	\$8.00	\$3,512.00	\$10.00	\$4,390.00	\$9.20	\$4,038.80
41	Paint pavement traffic symbols (turn arrows and "ONLY" messages) as per plan	11	Each	\$50.00	\$550.00	\$30.00	\$330.00	\$350.00	\$3,850.00	\$34.00	\$374.00
42	Furnish & install sod and repair landscaping and sprinkler systems	650	S.F.	\$2.00	\$1,300.00	\$5.00	\$3,250.00	\$2.50	\$1,625.00	\$3.45	\$2,242.50
43	Mobilization	1	L.S.	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$22,425.00	\$22,425.00
44	Traffic Control	1	L.S.	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$25,300.00	\$25,300.00
Subtotal for Schedule "A" (Items 1-44)				\$129,302.50		\$171,894.00		\$221,003.00		\$195,651.20	
Schedule "B" - Bona Vista Culinary Water											
45	Mobilization	1	L.S.	\$3,500.00	\$3,500.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$4,025.00	\$4,025.00
46	Traffic Control	1	L.S.	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00	\$8,000.00	\$8,000.00	\$2,300.00	\$2,300.00
47	Furnish and install 10" C-900 PVC	470	L.F.	\$31.00	\$14,570.00	\$75.00	\$35,250.00	\$0.78	\$366.60	\$87.40	\$41,078.00
48	Furnish and install 8" C-900 PVC	20	L.F.	\$28.00	\$560.00	\$70.00	\$1,400.00	\$92.00	\$1,840.00	\$103.50	\$2,070.00
49	Furnish and install 6" C-900 PVC	50	L.F.	\$25.00	\$1,250.00	\$65.00	\$3,250.00	\$92.00	\$4,600.00	\$103.50	\$5,175.00
50	Furnish and install 10" gate valve	2	Each	\$1,700.00	\$3,400.00	\$2,000.00	\$4,000.00	\$2,600.00	\$5,200.00	\$2,875.00	\$5,750.00
51	Furnish and install 8" gate valve	1	Each	\$1,550.00	\$1,550.00	\$1,500.00	\$1,500.00	\$2,300.00	\$2,300.00	\$2,530.00	\$2,530.00
52	Furnish and install 6" gate valve	1	Each	\$1,450.00	\$1,450.00	\$1,100.00	\$1,100.00	\$2,100.00	\$2,100.00	\$2,300.00	\$2,300.00
53	Furnish and install 10" tee	1	Each	\$1,100.00	\$1,100.00	\$1,000.00	\$1,000.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
54	Furnish and install 10"x6" tee	1	Each	\$1,100.00	\$1,100.00	\$750.00	\$750.00	\$2,100.00	\$2,100.00	\$2,300.00	\$2,300.00
55	Furnish and install 10"x8" reducer	1	Each	\$650.00	\$650.00	\$500.00	\$500.00	\$1,200.00	\$1,200.00	\$1,265.00	\$1,265.00
56	Furnish and install 8"x4" reducer	1	Each	\$550.00	\$550.00	\$300.00	\$300.00	\$900.00	\$900.00	\$920.00	\$920.00
57	Furnish and install 10" 45° bend	2	Each	\$900.00	\$1,800.00	\$500.00	\$1,000.00	\$1,100.00	\$2,200.00	\$1,207.50	\$2,415.00
58	Furnish and install 10" 22.5° bend	1	Each	\$800.00	\$800.00	\$500.00	\$500.00	\$985.00	\$985.00	\$1,104.00	\$1,104.00
59	Furnish and install 10" 11.25° bend	1	Each	\$800.00	\$800.00	\$500.00	\$500.00	\$1,100.00	\$1,100.00	\$1,219.00	\$1,219.00
60	Furnish and install 6" 45° bend	2	Each	\$500.00	\$1,000.00	\$450.00	\$900.00	\$900.00	\$1,800.00	\$920.00	\$1,840.00
61	Furnish and install 2" saddle and corp. stop	1	Each	\$150.00	\$150.00	\$500.00	\$500.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
62	Furnish and install FLxMJ adaptor	1	Each	\$350.00	\$350.00	\$450.00	\$450.00	\$650.00	\$650.00	\$690.00	\$690.00
63	Reconnect 3/4" service lateral	1	Each	\$1,150.00	\$1,150.00	\$800.00	\$800.00	\$1,100.00	\$1,100.00	\$1,150.00	\$1,150.00
64	Connect to existing 10" valve	1	Each	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$3,800.00	\$3,800.00	\$4,370.00	\$4,370.00
65	Connect to existing 10" waterline	1	Each	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
66	Connect to existing 6" waterline	1	Each	\$1,800.00	\$1,800.00	\$900.00	\$900.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
67	Connect to existing 4" waterline	1	Each	\$1,600.00	\$1,600.00	\$750.00	\$750.00	\$2,100.00	\$2,100.00	\$2,300.00	\$2,300.00
68	Plug and block existing 10" waterline	4	Each	\$350.00	\$1,400.00	\$850.00	\$3,400.00	\$2,300.00	\$9,200.00	\$2,645.00	\$10,580.00
69	6" asphalt (PG 64-34)	35	Ton	\$150.00	\$5,250.00	\$100.00	\$3,500.00	\$150.00	\$5,250.00	\$132.25	\$4,628.75
70	Untreated base course material	250	Ton	\$18.00	\$4,500.00	\$25.00	\$6,250.00	\$25.00	\$6,250.00	\$23.34	\$5,835.00
71	UDOT Spec backfill material	100	Ton	\$22.00	\$2,200.00	\$22.00	\$2,200.00	\$26.00	\$2,600.00	\$29.90	\$2,990.00
72	Sand bedding material	400	Ton	\$18.00	\$7,200.00	\$20.00	\$8,000.00	\$18.00	\$7,200.00	\$20.70	\$8,280.00
73	Concrete collar	4	Each	\$250.00	\$1,000.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$977.50	\$3,910.00

BID OPENING

DATE: June 9, 2016
 TIME: 2:00 pm
 PLACE: Jones & Associates

SUMMARY OF PROPOSALS RECEIVED

Client: Harrisville City Corporation
 Project: Larsen Lane & Washington Blvd. Intersection Improvements



		ENGINEER'S ESTIMATE				~ 1 ~ STAPP CONSTRUCTION		~ 2 ~ POST ASPHALT		~ 3 ~ BOWEN CONSTRUCTION	
ITEM	DESCRIPTION	QUA.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
74	Saw-cut 6" asphalt	240	L.F.	\$2.50	\$600.00	\$2.00	\$480.00	\$2.00	\$480.00	\$1.03	\$247.20
75	Saw-cut 3" asphalt	70	L.F.	\$1.75	\$122.50	\$1.00	\$70.00	\$2.00	\$140.00	\$2.46	\$172.20
76	Saw-cut concrete	400	L.F.	\$3.00	\$1,200.00	\$2.00	\$800.00	\$1.00	\$400.00	\$3.10	\$1,240.00
77	Furnish and install micro-surface seal per UDOT specifications including traffic control and mobilization	851	S.Y.	\$11.00	\$9,361.00	\$11.00	\$9,361.00	\$11.00	\$9,361.00	\$12.65	\$10,765.15
78	Fill existing 10" pipe with flowable fill	5	C.Y.	\$80.00	\$400.00	\$300.00	\$1,500.00	\$150.00	\$750.00	\$173.00	\$865.00
Subtotal for Schedule "B" (Items 45-78)				\$78,663.50		\$124,911.00		\$101,372.60		\$145,814.30	
Schedule "C" - Traffic Signal Improvements											
79	Install traffic signal improvements complete as shown on the signal plans. All work to conform to UDOT Standards and Specifications. Excludes underground work listed in Bid Items 82-92.	1	L.S.	\$63,300.00	\$63,300.00	\$55,200.00	\$55,200.00	\$46,000.00	\$46,000.00	\$52,716.00	\$52,716.00
80	Furnish and install 2" PVC conduit as necessary to extend existing conduits to new location	200	L.F.	\$3.00	\$600.00	\$29.40	\$5,880.00	\$11.00	\$2,200.00	\$11.50	\$2,300.00
81	Furnish and install 3" PVC conduit as necessary to extend existing conduits to new location	50	L.F.	\$7.00	\$350.00	\$36.00	\$1,800.00	\$11.00	\$550.00	\$11.50	\$575.00
82	Furnish and install MSA 20-1, 4 wire, AWG 14 gauge	300	L.F.	\$1.20	\$360.00	\$1.50	\$450.00	\$1.40	\$420.00	\$1.43	\$429.00
83	Furnish and install MSA 20-1, 7 wire, AWG 14 gauge	900	L.F.	\$1.60	\$1,440.00	\$2.10	\$1,890.00	\$1.40	\$1,260.00	\$1.43	\$1,287.00
84	Furnish and install Smart Sensor Advance Cable	250	L.F.	\$1.70	\$425.00	\$2.30	\$575.00	\$1.60	\$400.00	\$1.67	\$417.50
85	Furnish and install Smart Sensor Matrix Cable	250	L.F.	\$1.70	\$425.00	\$2.30	\$575.00	\$1.60	\$400.00	\$1.67	\$417.50
86	Furnish and install RHH-USE2-RHW2, 6 gauge	350	L.F.	\$1.40	\$490.00	\$1.80	\$630.00	\$1.40	\$490.00	\$1.44	\$504.00
87	Furnish and install bare copper ground wire, No. 6	700	L.F.	\$1.00	\$700.00	\$1.50	\$1,050.00	\$1.10	\$770.00	\$1.15	\$805.00
88	Furnish and install ground rod 3/4" x 10'	4	Each	\$70.00	\$280.00	\$129.00	\$516.00	\$140.00	\$560.00	\$144.00	\$576.00
89	Furnish and install power source, underground service pedestal	1	Each	\$2,500.00	\$2,500.00	\$3,600.00	\$3,600.00	\$2,750.00	\$2,750.00	\$2,875.00	\$2,875.00
90	Remove existing wire from conduit	1,600	L.F.	\$0.30	\$480.00	\$0.80	\$1,280.00	\$0.66	\$1,056.00	\$0.69	\$1,104.00
91	Furnish and install Sign Type A-1, 30" x 30" (W3-3)	1	Each	\$550.00	\$550.00	\$1,287.00	\$1,287.00	\$550.00	\$550.00	\$575.00	\$575.00
92	Furnish and install Sign Type A-2, 48" x 30" (R3-8B Modified)	1	Each	\$750.00	\$750.00	\$878.00	\$878.00	\$550.00	\$550.00	\$575.00	\$575.00
Subtotal for Schedule "C" (Items 79-92)				\$72,650.00		\$75,611.00		\$57,956.00		\$65,156.00	
TOTAL (Items 1 - 92)				\$280,616.00		\$372,416.00		\$380,331.60		\$406,621.50	

Project Engineer _____

Date _____

**HARRISVILLE CITY
RESOLUTION 2016-10**

**A RESOLUTION OF HARRISVILLE CITY, UTAH, ENTERING AN
INTERLOCAL COOPERATION AGREEMENT BETWEEN THE UTAH
DEPARTMENT OF TRANSPORTATION AND HARRISVILLE CITY FOR A
NEW SIGNAL AT WASHINGTON BOULEVARD & LARSEN LANE.**

WHEREAS, the Utah Interlocal Cooperation Act, Title 11, Chapter 3, Utah Code Annotated, 1953 as amended, permits governmental units to enter into agreements with one another for the purpose of exercising on a joint and cooperative basis powers and privileges that will benefit their citizens and make the most efficient use of their resources;

WHEREAS, Title 11, Chapter 13, Section 5 of the Utah Code Annotated, 1953 as amended, provides that governing bodies of governmental units adopt resolutions approving an interlocal agreement before such agreements may become effective;

WHEREAS, Harrisville City (hereafter “City”) and the Utah Department of Transportation (hereafter “UDOT”) have mutually agreed to a transportation project;

WHEREAS, UDOT proposes a new Interlocal Cooperation Agreement (hereafter “Agreement”) for said project attached hereto as Exhibit “A” and incorporated herein by this reference;

NOW, THEREFORE, BE IT RESOLVED by the City Council of Harrisville City that the Agreement for a transportation project with UDOT attached hereto as Exhibit “A” and incorporated herein by this reference is approved and adopted. The City Council hereby authorizes and directs the Mayor to execute the Agreement and any documents relating thereto for and on behalf of the City.

PASSED AND APPROVED by the Harrisville City Council this 9th day of August, 2016.

	Roll Call Vote Tally	Yes	No
_____ BRUCE RICHINS, Mayor Harrisville City	Council Member J. Pearce	___	___
	Council Member Robinson	___	___
	Council Member Jensen	___	___
ATTEST:	Council Member R. Pearce	___	___

JENNIE KNIGHT, City Recorder

**COOPERATIVE AGREEMENT
BETWEEN THE UTAH DEPARTMENT OF TRANSPORTATION
AND HARRISVILLE CITY
FOR A NEW SIGNAL AT WASHINGTON BLVD. & LARSEN LANE**

THIS COOPERATIVE AGREEMENT made and entered into this _____ day of _____, 2016, by and between the **UTAH DEPARTMENT OF TRANSPORTATION**, (“**UDOT**”), and **HARRISVILLE CITY CORPORATION**, a Municipal Corporation in the State of Utah (“**CITY**”).

RECITALS

WHEREAS, the **CITY** will improve the intersection located at Washington Blvd & Larsen Lane to accommodate dual left-turn lanes on the west leg of the intersection; and

WHEREAS, the **CITY** will retain the contractor to perform the work and traffic control; and

WHEREAS, the **UDOT** has determined that additional signal improvements are needed to the intersection located at Washington Blvd & Larsen Lane; and

WHEREAS, the **UDOT** and the **CITY** desire to enter into this **COOPERATIVE AGREEMENT** for said corridor; and

WHEREAS, the **UDOT** has agreed to participate in the cost to improve the intersection located at Washington Blvd & Larsen Lane to accommodate dual left-turn lanes on the west leg of the intersection including additional signal improvements as identified in Attachment “A”. A separate bid schedule for the signal installation will be generated. The **UDOT** will reimburse the **CITY** per the contractors bid prices for the signal; however, not to exceed the anticipated amount below. The **UDOT** will also cover signal costs by supplying “State Furnished” items as outlined in Attachment “A”. The State Furnished costs are included in the anticipated amount below and on Attachment “B” but will not be paid directly to the city. The contractor will instead pick these items up directly from **UDOT**; and

WHEREAS, the **UDOT** has determined by formal finding that the payment for said work is not in violation of the laws of the State or any legal contract with the **CITY**

WHEREAS, the **CITY** has agreed to incorporate the work according to all applicable state laws and **CITY** policies.

WHEREAS, **UDOT** has agreed to contribute funds for the signal portion of the Project; and

THIS COOPERATIVE AGREEMENT, is made to set out the terms and conditions where under the work shall be performed and payment shall be made.

AGREEMENT

NOW THEREFORE, the parties agree as follows:

_____Coop_Agree_Harrisville_Washington Blvd & Larsen Lane

1. The **CITY** will hire a contractor to perform the work for the Project identified in Attachment "A".
2. The **CITY** agrees to incorporate the signal work in its Project and is scheduled to complete the work prior to December 30, 2016.
3. The **CITY**, at its discretion, may procure any commodities, services, or materials relevant to the Project through any of **UDOT's** existing agreements
4. Upon completion of the signal, **UDOT** will contribute funds to the **CITY** for the signal portion of the Project in the amount of the anticipated cost below and outlined in Exhibit "B" that is incorporated by reference minus the State Furnished amount.
5. The **CITY** will submit itemized bills covering its actual costs incurred for the signal portion of the Project bearing the Project number together with supporting documentation to **UDOT's** Region One office, 166 West Southwell Street, Ogden, Utah 84404, attention to: Rex Harris and Daniel Young.

TOTAL ANTICIPATED COST TO UDOT IS \$105,958.00

If the actual costs exceed the amount shown in this Cooperative Agreement, the **CITY** shall show/justify with supporting documentation to **UDOT** demonstrating the actual increased amounts. **UDOT** will pay the actual reasonable costs for the signal portion of the Project.

6. Each party agrees to hold harmless, defend, and indemnify the other party, its officers, employees and agents (Indemnities) from and against all claims, suits and costs, including attorney's fees for injury or damage of any kind, arising out of the party's negligent acts, errors or omissions in the performance of this project, and from and against all claims, suits and costs, including attorney's fees for injury or damage of any kind, arising out of Indemnities' failure to inspect, discover, correct, or otherwise address any defect, dangerous condition or other condition created by or resulting from a party's negligent acts, errors or omission in the performance of this project. Both parties are governmental entities of the State of Utah, and nothing herein shall be interpreted as waiving the damage limitations or any other provision of the Utah Governmental Immunity Act. Nothing in this Cooperative Agreement is intended to create additional rights to third parties. This paragraph shall survive termination of this Cooperative Agreement.
7. This Cooperative Agreement shall be deemed to be made under and shall be governed by the laws of the State of Utah in all respects. Each person signing this Cooperative Agreement warrants that the person has full legal capacity, power and authority to execute this Cooperative Agreement for and on behalf of the respective party and to bind such party. This Cooperative Agreement may be executed in one or more counterparts, each of which shall be an original, with the same effect as if the signatures were made upon the same instrument. This Cooperative Agreement may be delivered by facsimile or electronic mail.
8. Nothing contained in this Cooperative Agreement shall be deemed or construed, either by the parties hereto or by any third party, to create the relationship of principal and agent or create any partnership, joint venture or other association between the parties.

9. This Cooperative Agreement contains the entire agreement between the parties, with respect to the subject matter hereof, and no statements, promises, or inducements made by either party or agents for either party that are not contained in this Cooperative Agreement shall be binding or valid.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their duly authorized officers as for the day and year first above written.

ATTEST:

HARRISVILLE CITY CORPORATION, a
Municipal Corporation in the State of Utah

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

(IMPRESS SEAL)

RECOMMENDED FOR APPROVAL:

By: _____
TRAFFIC OPERATIONS ENGINEER

Date: _____

UTAH DEPARTMENT OF TRANSPORTATION

By: _____
REGION DIRECTOR

Date: _____

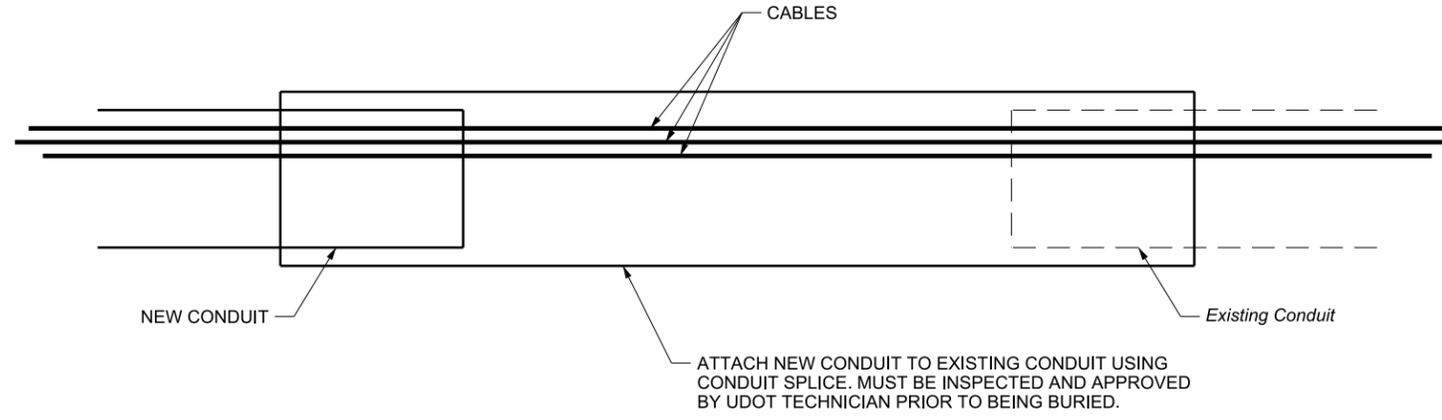
UDOT COMPTROLLER'S OFFICE

By: _____
CONTRACT ADMINISTRATOR

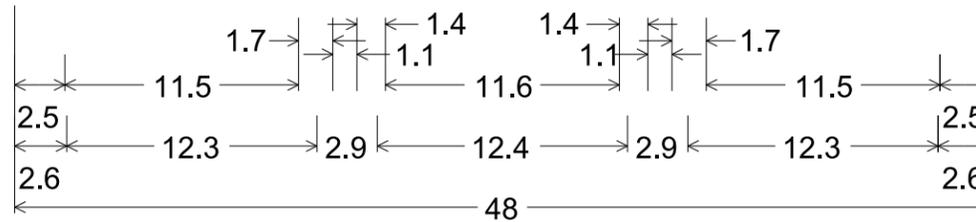
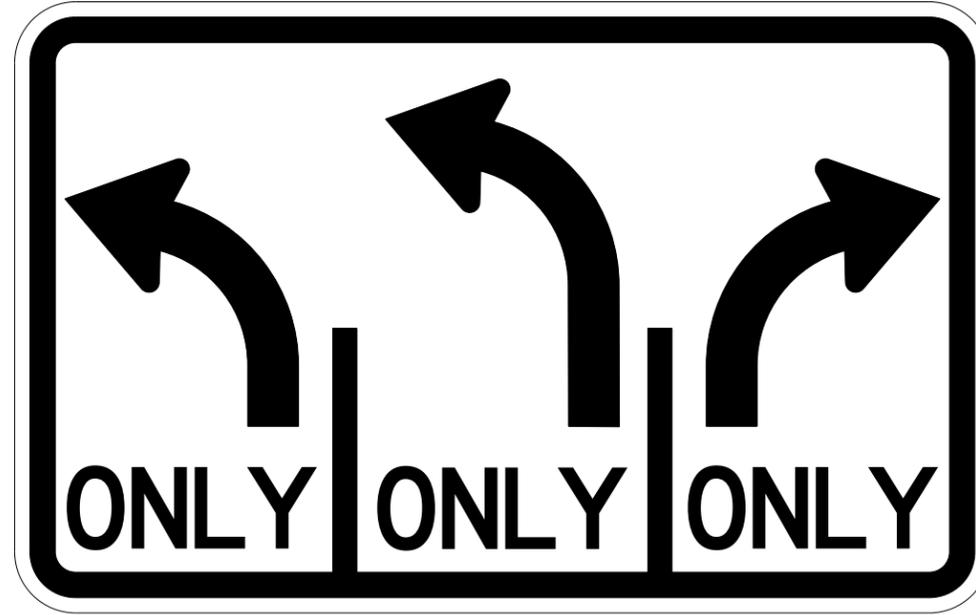
Date: _____

Appendix A

Signal Improvements

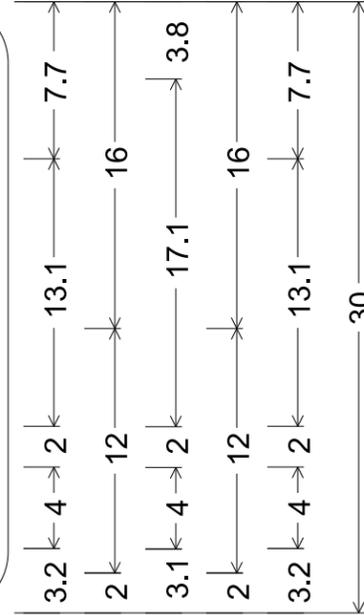


CONDUIT SPLICE



R3-8b MOD_48x30;
 3.0" Radius, 1.3" Border, 0.8" Indent, Black on White;
 EL ir=5.813, s=2.5; [ONLY] D 2K 40} spacing;
 EL ir=5.813, s=2.5; [ONLY] D 2K 40} spacing;
 ER ir=5.813, s=2.5; [ONLY] D 2K 40} spacing;

INTERSECTION LANE CONTROL SIGN



PROJECT	WASHINGTON BLVD. & LARSEN LN. IMPROVEMENTS	
PROJECT NUMBER	HARRISVILLE CITY, UTAH	
	HARRISVILLE CITY 481-HARRIS-16	DT-1
	SHEET NUMBER	

SIGN DETAILS

9980 SOUTH 300 WEST
 SUITE 200
 SANDY, UT 84070
 801.456.3847
 Fax: 801.618.4157
 www.wceceengineers.com

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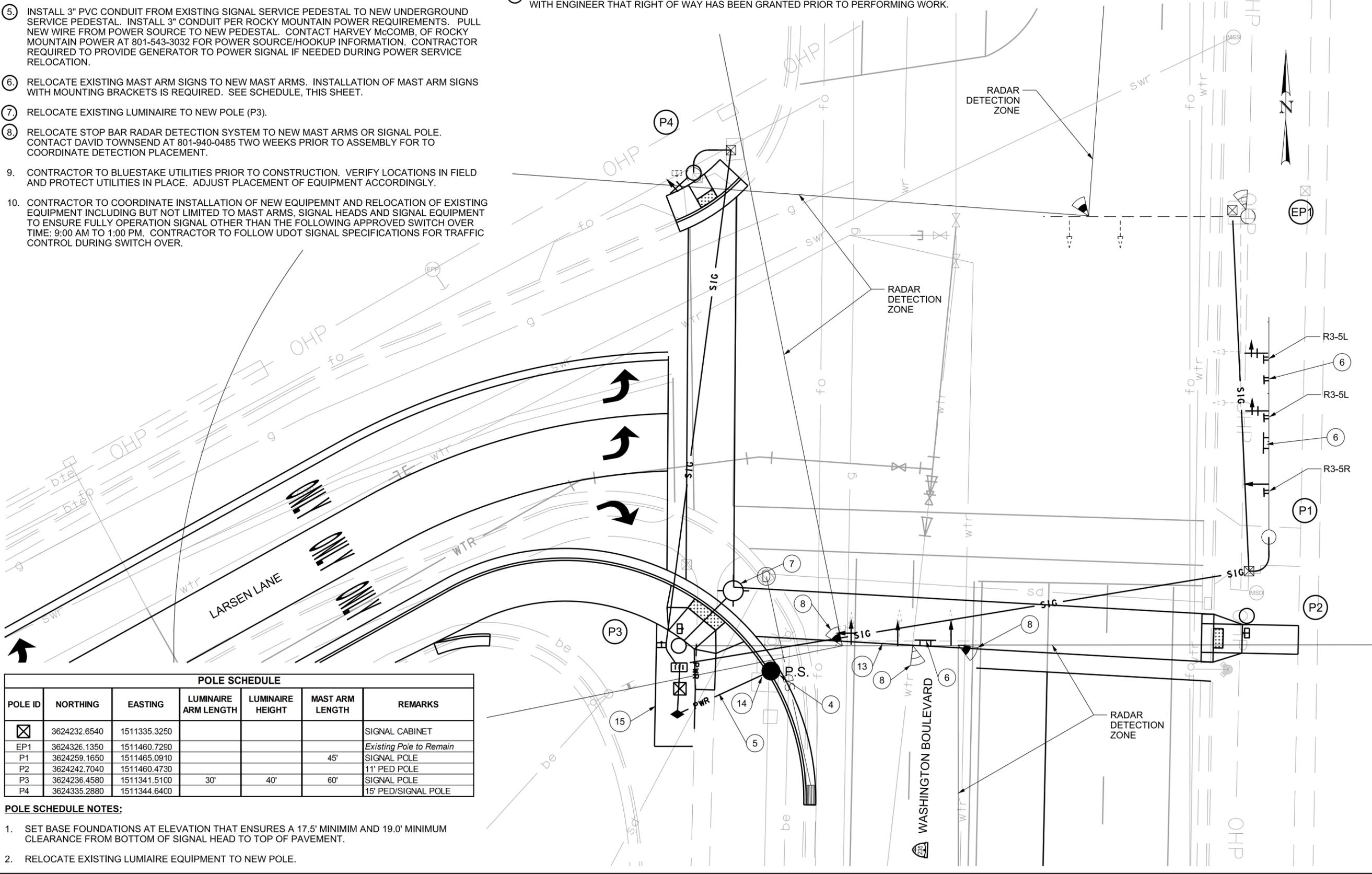
**- DRAFT -
 NOT FOR CONSTRUCTION**

NOTES:

1. REMOVE AND SALVAGE EXISTING SIGNAL HEADS. INSTALL NEW SIGNAL HEADS ON POLE P1 AND P3. CENTER SIGNAL HEADS OVER LANES. SOUTHBOUND APPROACH SIGNAL HEADS TO REMAIN IN PLACE.
2. INSTALL MAST ARMS PERPENDICULAR TO ROADWAY.
3. PROVIDE A 17.5" MINIMUM AND 19.0' MAXIMUM CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF PAVEMENT.
4. INSTALL NEW CABINET AND CONTROLLER. REMOVE AND SALVAGE EXISTING CABINET AND CONTROLLER.
5. INSTALL 3" PVC CONDUIT FROM EXISTING SIGNAL SERVICE PEDESTAL TO NEW UNDERGROUND SERVICE PEDESTAL. INSTALL 3" CONDUIT PER ROCKY MOUNTAIN POWER REQUIREMENTS. PULL NEW WIRE FROM POWER SOURCE TO NEW PEDESTAL. CONTACT HARVEY McCOMB, OF ROCKY MOUNTAIN POWER AT 801-543-3032 FOR POWER SOURCE/HOOKUP INFORMATION. CONTRACTOR REQUIRED TO PROVIDE GENERATOR TO POWER SIGNAL IF NEEDED DURING POWER SERVICE RELOCATION.
6. RELOCATE EXISTING MAST ARM SIGNS TO NEW MAST ARMS. INSTALLATION OF MAST ARM SIGNS WITH MOUNTING BRACKETS IS REQUIRED. SEE SCHEDULE, THIS SHEET.
7. RELOCATE EXISTING LUMINAIRE TO NEW POLE (P3).
8. RELOCATE STOP BAR RADAR DETECTION SYSTEM TO NEW MAST ARMS OR SIGNAL POLE. CONTACT DAVID TOWNSEND AT 801-940-0485 TWO WEEKS PRIOR TO ASSEMBLY FOR TO COORDINATE DETECTION PLACEMENT.
9. CONTRACTOR TO BLUESTAKE UTILITIES PRIOR TO CONSTRUCTION. VERIFY LOCATIONS IN FIELD AND PROTECT UTILITIES IN PLACE. ADJUST PLACEMENT OF EQUIPMENT ACCORDINGLY.
10. CONTRACTOR TO COORDINATE INSTALLATION OF NEW EQUIPEMNT AND RELOCATION OF EXISTING EQUIPMENT INCLUDING BUT NOT LIMITED TO MAST ARMS, SIGNAL HEADS AND SIGNAL EQUIPMENT TO ENSURE FULLY OPERATION SIGNAL OTHER THAN THE FOLLOWING APPROVED SWITCH OVER TIME: 9:00 AM TO 1:00 PM. CONTRACTOR TO FOLLOW UDOT SIGNAL SPECIFICATIONS FOR TRAFFIC CONTROL DURING SWITCH OVER.

11. REMOVE AND SALVAGE EXISTING EQUIPMENT NOT BEING USED FOR NEW SIGNAL SYSTEM.
12. REMOVE AND SALVAGE EXISTING ADVANCE RADAR DETECTION UNIT TO REGION 1. REGION 1 TO PROVIDE NEW ADVANCE RADAR DETECTION UNITS. COORDINATE WITH DAVID TOWNSEND 801-940-0485
13. RELOCATE RADIO EQUIPMENT FROM EXISTING P3 TO NEW P3.
14. EXTEND EXISTING CONDUIT TO NEW CABINET, JUNCTION BOX AND METER USING SPLICE. SEE DT-1.
15. RIGHT OF WAY IS BEING DEEDED TO UDOT FOR PLACEMENT OF SIGNAL EQUIPMENT. VERIFY WITH ENGINEER THAT RIGHT OF WAY HAS BEEN GRANTED PRIOR TO PERFORMING WORK.

MAST ARM MOUNTED SIGN SCHEDULE		
POLE ID	SIGN	CENTER OF SIGN TO END OF MAST ARM
P1	R3-5 (LEFT) - NEW SIGN	10'
P1	NO U-TURN (Relocate from Existing)	14'
P1	R3-5 (LEFT) - NEW SIGN	21'
P1	SR 235 WASHINGTON BLVD (Relocate from Existing)	26'
P1	R3-5 (RIGHT) - NEW SIGN	37'
P3	LARSEN LANE (Relocate from Existing)	9'



POLE SCHEDULE						
POLE ID	NORTHING	EASTING	LUMINAIRE ARM LENGTH	LUMINAIRE HEIGHT	MAST ARM LENGTH	REMARKS
☒	3624232.6540	1511335.3250				SIGNAL CABINET
EP1	3624326.1350	1511460.7290				Existing Pole to Remain
P1	3624259.1650	1511465.0910			45'	SIGNAL POLE
P2	3624242.7040	1511460.4730				11' PED POLE
P3	3624236.4580	1511341.5100	30'	40'	60'	SIGNAL POLE
P4	3624335.2880	1511344.6400				15' PED/SIGNAL POLE

POLE SCHEDULE NOTES:

1. SET BASE FOUNDATIONS AT ELEVATION THAT ENSURES A 17.5' MINIMUM AND 19.0' MINIMUM CLEARANCE FROM BOTTOM OF SIGNAL HEAD TO TOP OF PAVEMENT.
2. RELOCATE EXISTING LUMINAIRE EQUIPMENT TO NEW POLE.

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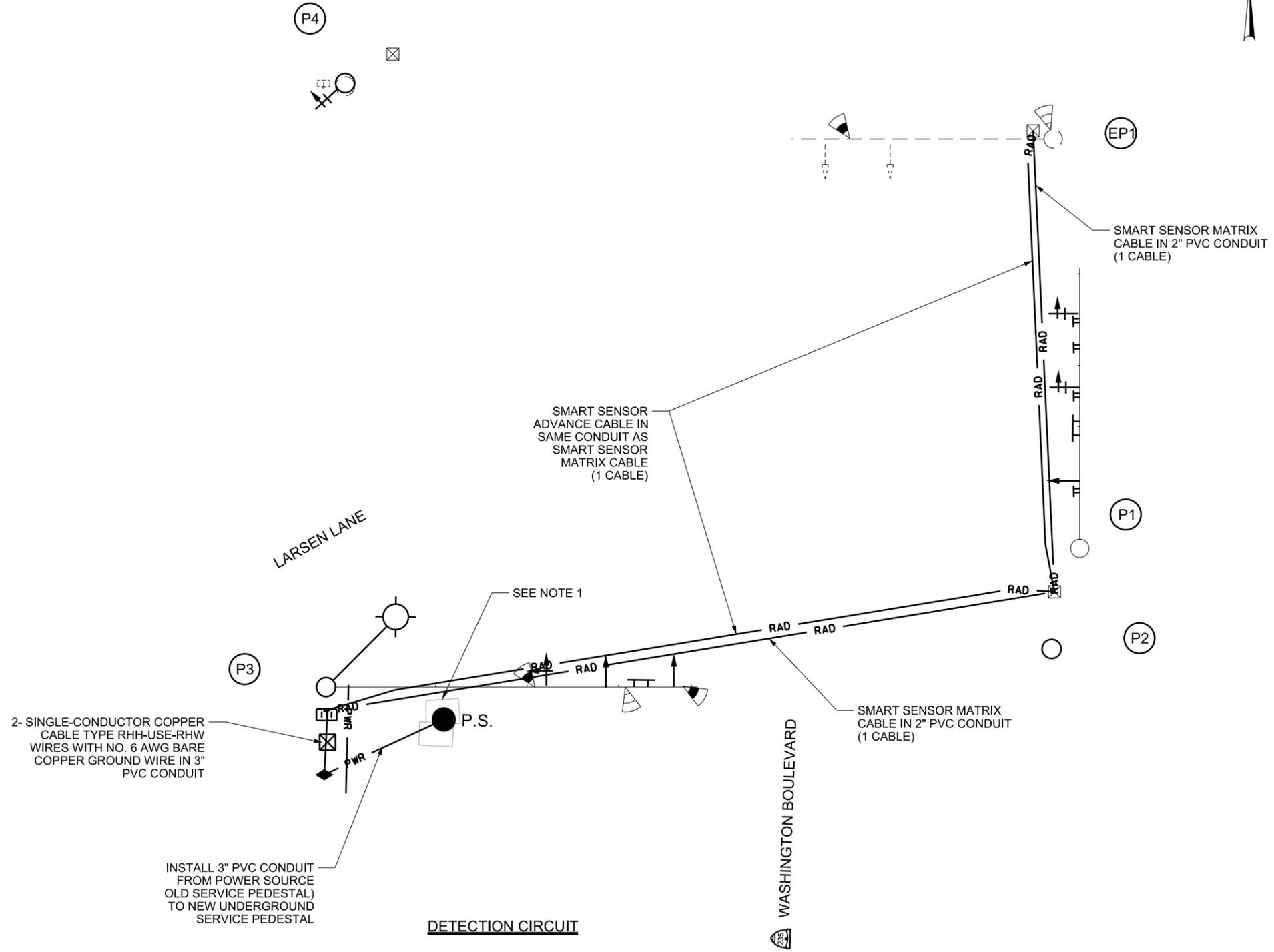
WASHINGTON BLVD. & LARSEN LN. IMPROVEMENTS	
HARRISVILLE CITY, UTAH	
HARRISVILLE CITY 481-HARRIS-16	SG-1
PROJECT NUMBER	SHEET NUMBER

SIGNAL PLAN

26-MAY-2016 D:\DGN Files\E:\D:\epbox\INCEC\11091\Washington Blvd.Larsen Lane Signal\preconstruction\11091_S01.dgn

NOTES:

1. REMOVE EXISTING BOX. TIE NEW CONDUIT INTO EXISTING CONDUIT AND EXTEND TO NEW BOX. REMOVE EXISTING WIRING AND REPLACE WITH NEW.
2. QUANTITIES ASSUME THAT CABLE WILL BE REPLACED. COORDINATE WITH SIGNAL INSPECTOR AND UDOT FOR ANY CABLE TO REMAIN IN PLACE.



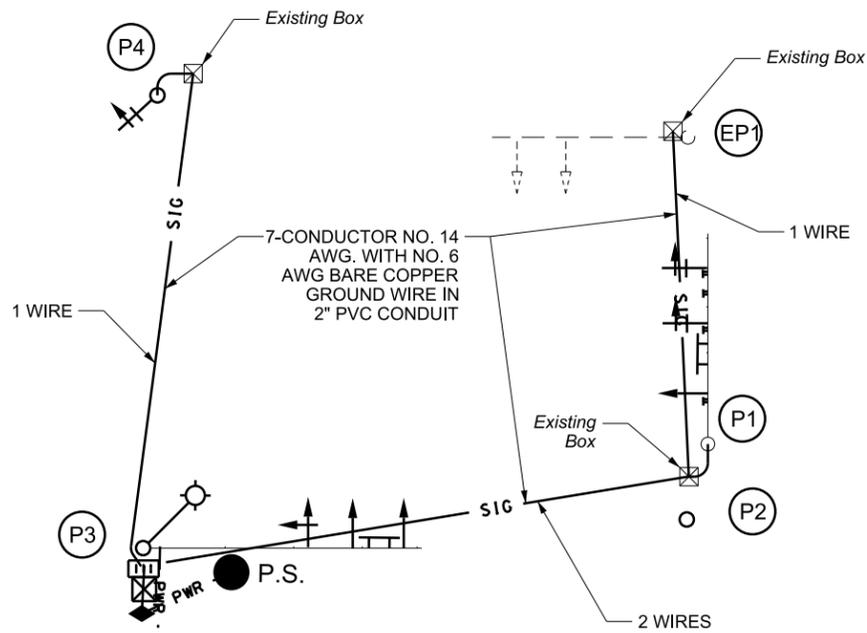
- DRAFT -
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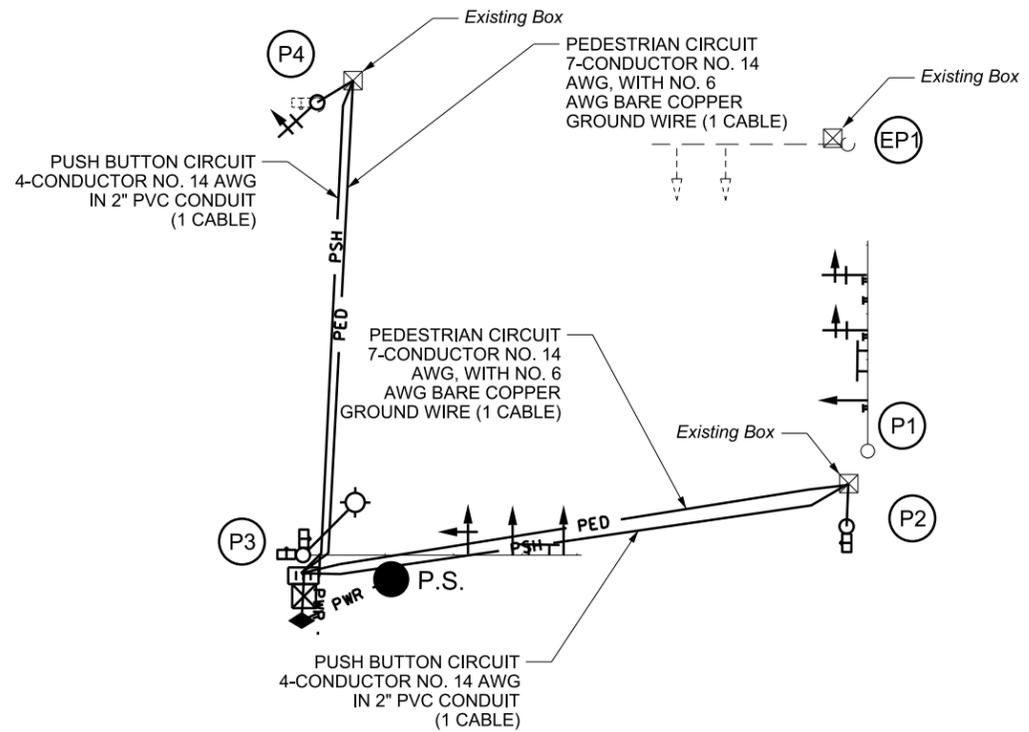
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ENGINEERS

PROJECT WASHINGTON BLVD. & LARSEN LN. IMPROVEMENTS	PROJECT NUMBER HARRISVILLE CITY 481-HARRIS-16
HARRISVILLE CITY, UTAH	SHEET NUMBER SG-2

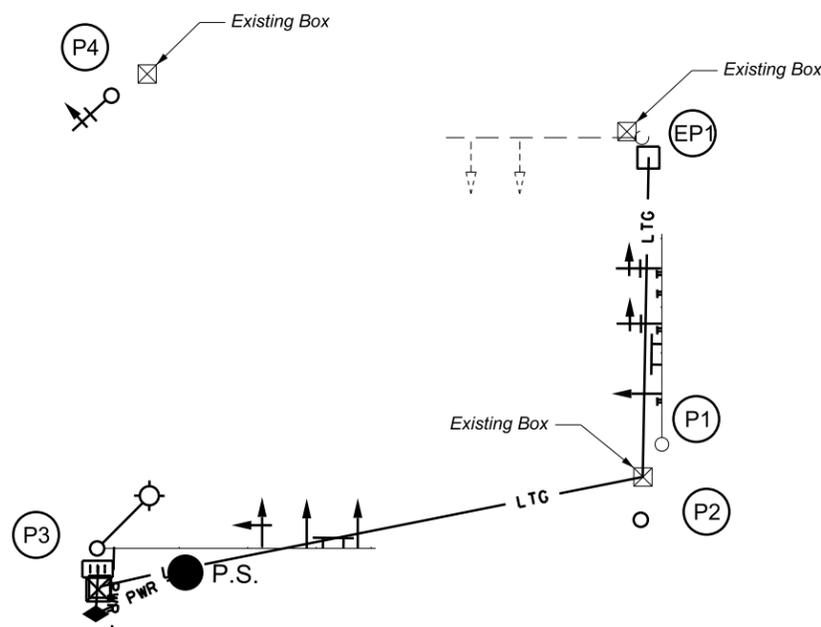
DETECTOR CIRCUIT



SIGNAL CIRCUIT



PUSH BUTTON/PEDESTRIAN SIGNAL CIRCUIT

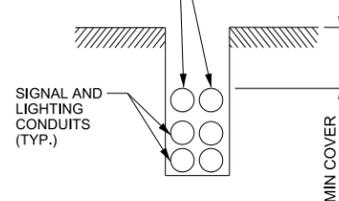


LIGHTING CIRCUIT

NOTES:

1. ALL ROADWAY CONDUIT TO BE DIRECTIONAL BORED. AVOID CONFLICTS WITH EXISTING UTILITY FEATURES.
2. PROVIDE MINIMUM COVER FOR ALL ROADWAY CROSSINGS: 24 INCHES FOR CONDUIT PLACED IN TRENCH; 36 INCHES FOR DIRECTIONAL BORE CONDUIT.
3. MAINTAIN 12-INCH VERTICAL SEPARATION FROM ALL EXISTING UTILITY LINES. MAINTAIN 36-INCH HORIZONTAL SEPARATION FROM ALL GAS LINES.
4. PROVIDE 18 INCHES MINIMUM COVER FOR CONDUIT PLACED OFF ROADWAY WITHOUT CONCRETE ENCASEMENT OR CAPPING.
5. PROVIDE 12 INCHES MINIMUM COVER FOR CONDUIT PLACED OFF ROADWAY WITH CONCRETE ENCASEMENT OR MINIMUM 2-INCH-THICK CONCRETE CAPPING.
6. MINIMUM OF 6 CONDUITS ARE REQUIRED AT EACH ROADWAY CROSSING LOCATION.

FUTURE USE CONDUIT TO BE PLACED IN TOP PORTION OF TRENCH FOR EASIER ACCESS



TRENCHING DETAIL



26-MAY-2016 DGN File: E:\Dropbox (KCEC)\1091_Washington Blvd.Larsen Lene Signal\preconstruction\1091_SG3.dgn

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SUITE 200
SANDY, UT 84070
801.456.3847
Fax: 801.618.4157
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PROJECT	WASHINGTON BLVD. & LARSEN LN. IMPROVEMENTS	
PROJECT NUMBER	HARRISVILLE CITY, UTAH	
	SHEET NUMBER	SG-3
	CIRCUIT	

- DRAFT -
NOT FOR CONSTRUCTION

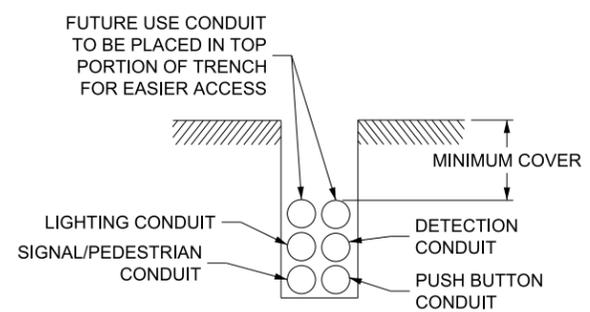
26-MAY-2016 DGN File: E:\Dropbox\KCEC\11091\Washington Blvd.Larsen.Lane.Signal\preconstruction\11091_SG-581.dgn

LEGEND

Existing	PROPOSED	
— pwr —	— PWR —	POWER SOURCE CIRCUIT CONDUIT
— sig —	— SIG —	SIGNAL CIRCUIT CONDUIT
— ped —	— PED —	PEDESTRIAN SIGNAL CIRCUIT CONDUIT
— psh —	— PSH —	PEDESTRIAN PUSH BUTTON CIRCUIT CONDUIT
— rad —	— RAD —	RADAR DETECTION CIRCUIT CONDUIT
— ltg —	— LTC —	LIGHTING CIRCUIT CONDUIT
— fut —	— FUT —	FUTURE USE CONDUIT
(P1)	(P1)	SIGNAL POLE IDENTIFICATION
—	—	DUAL MAST ARM SIGNAL POLE
—	—	MAST ARM SIGNAL POLE
—	—	SIGNAL POLE LUMINAIRE EXTENSION WITH ARM
—	—	SIGNAL POLE LUMINAIRE EXTENSION WITH VERTICAL ATTACHMENT
—	—	MAST ARM MOUNTED SIGN
ps	PS	POWER SOURCE
○	○	TRAFFIC SIGNAL POLE
—	—	TYPE 0, 12"-1 SECTION SIGNAL HEAD ASSEMBLY
—	—	TYPE I, 12"-3 SECTION SIGNAL HEAD ASSEMBLY
—	—	TYPE II, 12"-3 SECTION SIGNAL HEAD ASSEMBLY
—	—	TYPE III, 12"-3 SECTION WITH ALL ARROWS
—	—	TYPE IV, 12"-4 SECTION SIGNAL HEAD ASSEMBLY
—	—	TYPE V, 12"-5 SECTION SIGNAL HEAD ASSEMBLY
—	—	TYPE VI, 12"-4 SECTION WITH ALL ARROWS
—	—	PEDESTRIAN HYBRID BEACON, 12"-3 SECTION SIGNAL HEAD ASSEMBLY
☒	☒	TRAFFIC SIGNAL CONTROLLER CABINET
□	■	TYPE I-PC JUNCTION BOX
□	■	TYPE II-PC JUNCTION BOX
□	■	TYPE II DIVIDED JUNCTION BOX (FOR SIGNAL & LIGHTING)
□	■	TYPE III-PC JUNCTION BOX
□	■	TYPE III-PC JUNCTION BOX (ATMS)
□	■	SAME JUNCTION BOX USED FOR SIGNAL CIRCUIT
□	■	PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON
□	■	AUDIBLE PEDESTRIAN SIGNAL HEAD
◆	◆	UNDERGROUND SERVICE PEDESTAL (USP)
⊗	⊗	PREEMPTION CONTROL SYSTEM DETECTOR
⊕	⊕	DIRECTIONAL ANTENNA
□	□	VIDEO DETECTION CAMERA
□	□	CCTV CAMERA
△	△	RADAR DETECTION, DILEMMA ZONE
△	△	RADAR DETECTION, STOP BAR
○	○	WIRELESS DETECTION PUCK
○	○	WIRELESS DETECTION, ACCESS POINT
○	○	WIRELESS DETECTION, REPEATER
○	○	SENSOR LOOP

SALVAGING, REMOVAL, AND RELOCATION OF EXISTING EQUIPMENT																																
LOCATION	REMOVE AND SALVAGE														REMOVE							RELOCATE										
	TRAFFIC SIGNAL CONTROLLER	TRAFFIC SIGNAL CABINET	UNDERGROUND SERVICE PEDESTAL	MAST ARM	TRAFFIC SIGNAL POLE	SIGNAL HEAD	ADVANCED RADAR DETECTION	RADAR DETECTION SENSOR	SENSYS ACCESS POINT	TRAFFIC SIGNAL CABINET FOUNDATION	UNDERGROUND SERVICE PEDESTAL FOUNDATION	MAST ARM SIGNAL POLE FOUNDATION	TRAFFIC SIGNAL POLE FOUNDATION	LUMINAIRE POLE FOUNDATION	MAST ARM SIGNAL POLE	11' PEDESTRIAN SIGNAL POLE FOUNDATION	HIGHWAY LUMINAIRE POLE	LUMINAIRE EXTENSION	LUMINAIRE ARM	SIGNAL HEAD	PEDESTRIAN SIGNAL HEAD	PEDESTRIAN PUSH BUTTON	MAST ARM MOUNTED SIGN	JUNCTION BOX	PEDESTRIAN PUSH BUTTON	SIGNAL HEAD	COUNTDOWN PEDESTRIAN SIGNAL HEAD	LUMINAIRE EXTENSION & ARM	11' TRAFFIC SIGNAL POLE	MAST ARM MOUNTED SIGN	RADAR DETECTION SENSOR	
	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
	1	1	1	2	1	5	1			1	1	1				2								1			4					
TOTAL	1	1	1	2	1	5	1			1	1	1				2							1			4	5	4	1	1	3	3

* THESE ITEMS ARE PAID UNDER THE TRAFFIC SIGNAL SYSTEM AND INCLUDES ALL ITEMS TO BE REMOVED OR SALVAGED INCLUDING ADDITIONAL MISC ITEMS REMOVED AS PART OF THE SIGNAL.



1. PROVIDE MINIMUM COVER FOR ALL ROADWAY CROSSINGS: 24" FOR CONDUIT PLACED IN TRENCH; 36" FOR DIRECTIONAL BORE CONDUIT.
2. PROVIDE 18" MINIMUM COVER FOR CONDUIT PLACED OFF ROADWAY WITHOUT CONCRETE ENCASEMENT OR CAPPING.
3. PROVIDE 12" MINIMUM COVER FOR CONDUIT PLACED OFF ROADWAY WITH CONCRETE ENCASEMENT OR MINIMUM 2" THICK CONCRETE CAPPING.
4. MINIMUM OF 6 CONDUITS ARE REQUIRED FOR EACH ROAD CROSSING LOCATION.

TRENCHING AND BORING DETAIL

NOTES:

1. RETURN SALVAGED ITEMS COMPLETE WITH ALL PARTS AND ASSOCIATED HARDWARE TO APPROPRIATE REGION. CONTACT REGION SIGNAL LAB TO SCHEDULE DELIVERY DATE.
2. CONTRACTOR RESPONSIBLE TO DISPOSE OF REMOVE ITEMS AND ASSUME RESPONSIBILITY THEREAFTER. REUSE MATERIALS ONLY AS SPECIFIED OR AS APPROVED BY THE ENGINEER.
3. REFER TO UDOT STD DWG SL SERIES FOR DETAILS.

REGION	CONTACT	PHONE
1	DAVE TOWNSEND	801-940-0485
2	DAVE MOUNT	801-330-4446
3	GRANT JACKSON	801-227-8040
4 (PRICE / MOAB)	GRAIG OGDEN	435-896-1327
4 (CEDAR / RICHFIELD / ST. GEORGE)	LEE THOMPSON	435-590-9976

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WASHINGTON BLVD. & LARSEN LN. IMPROVEMENTS

HARRISVILLE CITY, UTAH

SG-S1

PROJECT

HARRISVILLE CITY 481-HARRIS-16

SHEET NUMBER

PROJECT NUMBER

SIGNAL SCHEDULE

PROJECT NUMBER

Appendix B

Signal Costs

Notes: STAPP Construction is the winning contractor. Signal items are highlighted in yellow on the attached bid schedule and are summarized as follows:

Item 79	Install traffic signal improvement complete as shown on the signal plans.	\$55,200.00
Item 88	Furnish and install ground rod ¾" x 10'	\$516.00
Item 90	Remove existing wire from conduit	\$1,280.00
Item 91	Furnish and install Sign Type A-1, 30" X 30"	\$1,287.00
Item 92	Furnish and install Sign Type A-2, 48" X 30"	\$878.00
NA	State Furnished Items	\$23,297.00
NA	Pre-Construction: Signal Design Services	\$23,500.00
	Total:	\$105,958.00

BID OPENING

DATE: June 9, 2016
 TIME: 2:00 pm
 PLACE: Jones & Associates

SUMMARY OF PROPOSALS RECEIVED

Client: Harrisville City Corporation
 Project: Larsen Lane & Washington Blvd. Intersection Improvements



				ENGINEER'S ESTIMATE		~ 1 ~ STAPP CONSTRUCTION		~ 2 ~ POST ASPHALT		~ 3 ~ BOWEN CONSTRUCTION	
ITEM	DESCRIPTION	QUA.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Schedule "A" - Site Work and Utilities											
1	Remove existing tree (6"-12" dia., includes root ball)	3	Each	\$300.00	\$900.00	\$750.00	\$2,250.00	\$350.00	\$1,050.00	\$575.00	\$1,725.00
2	Remove existing 30" concrete curb and gutter	525	L.F.	\$4.00	\$2,100.00	\$5.00	\$2,625.00	\$2.50	\$1,312.50	\$3.63	\$1,905.75
3	Remove existing concrete flatwork (4" to 7" thick)	1,412	S.F.	\$2.00	\$2,824.00	\$2.00	\$2,824.00	\$0.50	\$706.00	\$1.34	\$1,892.08
4	Remove existing landscaping, excavate to subgrade for new sidewalk, curb & gutter, roadway and parking lot (excavate approx. 410 c.y.)	1	L.S.	\$10,000.00	\$10,000.00	\$16,400.00	\$16,400.00	\$6,150.00	\$6,150.00	\$8,570.00	\$8,570.00
5	Remove and dispose of existing asphalt surface course (6"-8" thick)	1,146	S.F.	\$1.00	\$1,146.00	\$2.00	\$2,292.00	\$0.70	\$802.20	\$1.63	\$1,867.98
6	Remove and dispose of existing asphalt surface course (3" thick)	2,250	S.F.	\$0.50	\$1,125.00	\$1.00	\$2,250.00	\$0.50	\$1,125.00	\$0.58	\$1,305.00
7	Saw-cut existing asphalt (6"-8" thick)	560	L.F.	\$3.00	\$1,680.00	\$4.00	\$2,240.00	\$1.50	\$840.00	\$1.38	\$772.80
8	Saw-cut existing asphalt (3" thick)	220	L.F.	\$2.00	\$440.00	\$2.00	\$440.00	\$1.00	\$220.00	\$1.30	\$286.00
9	Saw-cut, remove and dispose of existing reinforced concrete waterway and apron for existing catch basin	56	S.F.	\$5.00	\$280.00	\$8.00	\$448.00	\$8.00	\$448.00	\$5.13	\$287.28
10	Remove and dispose of existing 24" dia. concrete light pole base (36"-48" deep)	1	Each	\$400.00	\$400.00	\$500.00	\$500.00	\$800.00	\$800.00	\$468.00	\$468.00
11	Remove and dispose of existing curb inlet box (approx. 8' deep)	1	Each	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$977.00	\$977.00
12	Remove existing 4" wide paint striping by water-blasting	916	L.F.	\$3.00	\$2,748.00	\$2.00	\$1,832.00	\$1.30	\$1,190.80	\$0.59	\$540.44
13	Remove existing 12" wide thermoplastic striping by water-blasting or grinding	390	L.F.	\$5.00	\$1,950.00	\$5.00	\$1,950.00	\$12.00	\$4,680.00	\$8.30	\$3,237.00
14	Remove existing 2" water meter box and lid and salvage to Bona Vista Water District	1	Each	\$500.00	\$500.00	\$300.00	\$300.00	\$800.00	\$800.00	\$863.00	\$863.00
15	Remove and salvage existing stop and waste valve box and backflow preventer	1	Each	\$200.00	\$200.00	\$300.00	\$300.00	\$800.00	\$800.00	\$863.00	\$863.00
16	Furnish and install 1.5" SCH 40 power conduit, 18" bury, from light pole in parking lot to power box near sign. Includes 12 GA wire.	245	L.F.	\$7.50	\$1,837.50	\$15.00	\$3,675.00	\$2.50	\$612.50	\$13.80	\$3,381.00
17	Furnish and install 2" water meter station. Includes meter box, yoke, couplings, and lid as per Bona Vista Water Standards and two connections to 2" lines	1	EA.	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$8,000.00	\$8,000.00	\$8,280.00	\$8,280.00
18	Furnish and install 2" CTS poly pipe (200 psi) with 14 GA solid core tracer wire	80	L.F.	\$15.00	\$1,200.00	\$25.00	\$2,000.00	\$50.00	\$4,000.00	\$69.00	\$5,520.00
19	Connect to existing 2" corp. stop on water main	1	Each	\$200.00	\$200.00	\$300.00	\$300.00	\$1,500.00	\$1,500.00	\$1,725.00	\$1,725.00
20	Connect to existing 2" water service to building	1	Each	\$200.00	\$200.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$1,725.00	\$1,725.00
21	Furnish and install 1" CTS poly pipe (200 psi) with 14 GA solid core tracer wire and connect to existing 2" poly water service	180	L.F.	\$15.00	\$2,700.00	\$15.00	\$2,700.00	\$40.00	\$7,200.00	\$51.75	\$9,315.00
22	Furnish and install 1" stop and waste valve with traffic bearing valve box and lid	1	Each	\$250.00	\$250.00	\$1,050.00	\$1,050.00	\$1,500.00	\$1,500.00	\$1,725.00	\$1,725.00
23	Install salvaged backflow preventer in new location	1	Each	\$200.00	\$200.00	\$500.00	\$500.00	\$1,100.00	\$1,100.00	\$1,725.00	\$1,725.00
24	Furnish and install 4-station sprinkler valve control station complete with connection to existing sprinkler lines and connection to timer	1	Each	\$500.00	\$500.00	\$4,500.00	\$4,500.00	\$1,500.00	\$1,500.00	\$3,363.00	\$3,363.00
25	Construct 30" curb and gutter per City and UDOT Standards	366	L.F.	\$20.00	\$7,320.00	\$22.00	\$8,052.00	\$19.25	\$7,045.50	\$16.88	\$6,178.08
26	Construct 4" thick concrete flatwork including pedestrian access ramps	2,080	S.F.	\$5.50	\$11,440.00	\$5.50	\$11,440.00	\$4.70	\$9,776.00	\$3.93	\$8,174.40
27	Construct 7" thick concrete flatwork	336	S.F.	\$6.50	\$2,184.00	\$7.00	\$2,352.00	\$13.75	\$4,620.00	\$6.51	\$2,187.36
28	Furnish and install detectable warning panel in pedestrian access ramps	4	Each	\$200.00	\$800.00	\$250.00	\$1,000.00	\$880.00	\$3,520.00	\$287.50	\$1,150.00
29	Construct reinforced concrete waterway and apron around existing catch basin	56	S.F.	\$10.00	\$560.00	\$20.00	\$1,120.00	\$1,320.00	\$73,920.00	\$12.52	\$701.12
30	Furnish and install 72" storm drain manhole, includes connection to existing and new drain lines, and placing a concrete collar around manhole cover	1	Each	\$7,500.00	\$7,500.00	\$4,500.00	\$4,500.00	\$5,900.00	\$5,900.00	\$6,440.00	\$6,440.00
31	Furnish and install UDOT Standard single catch basin with grate and frame	1	Each	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00	\$4,025.00	\$4,025.00
32	Furnish and install 18" Class III RCP storm drain including gravel bedding and granular borrow backfill	45	L.F.	\$60.00	\$2,700.00	\$75.00	\$3,375.00	\$100.00	\$4,500.00	\$114.00	\$5,130.00
33	Furnish and install geotextile fabric (Geotex 315-ST or equal) and compact existing subgrade,	500	S.Y.	\$2.00	\$1,000.00	\$4.00	\$2,000.00	\$1.00	\$500.00	\$2.39	\$1,195.00
34	Furnish and install untreated base course	600	Ton	\$20.00	\$12,000.00	\$25.00	\$15,000.00	\$20.00	\$12,000.00	\$19.55	\$11,730.00

BID OPENING

DATE: June 9, 2016
 TIME: 2:00 pm
 PLACE: Jones & Associates

SUMMARY OF PROPOSALS RECEIVED

Client: Harrisville City Corporation
 Project: Larsen Lane & Washington Blvd. Intersection Improvements



				ENGINEER'S ESTIMATE		~ 1 ~ STAPP CONSTRUCTION		~ 2 ~ POST ASPHALT		~ 3 ~ BOWEN CONSTRUCTION	
ITEM	DESCRIPTION	QUA.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
35	Furnish and install 3/4" mix bituminous surface course (6" thick in 2 lifts in street)	220	Ton	\$80.00	\$17,600.00	\$96.00	\$21,120.00	\$68.00	\$14,960.00	\$88.55	\$19,481.00
36	Furnish and install 3/4" mix bituminous surface course (3" thick in parking lot)	45	Ton	\$75.00	\$3,375.00	\$100.00	\$4,500.00	\$70.00	\$3,150.00	\$88.55	\$3,984.75
37	Furnish and install micro-surface seal per UDOT specifications including traffic control and mobilization	640	S.Y.	\$11.00	\$7,040.00	\$11.00	\$7,040.00	\$12.00	\$7,680.00	\$12.65	\$8,096.00
38	Paint 4" wide yellow or white pavement lane striping as per plan	1,154	L.F.	\$0.50	\$577.00	\$1.50	\$1,731.00	\$0.75	\$865.50	\$0.23	\$265.42
39	Paint 8" wide white pavement lane striping as per plan	464	L.F.	\$1.00	\$464.00	\$1.50	\$696.00	\$1.00	\$464.00	\$0.46	\$213.44
40	Furnish & install 12" wide thermoplastic striping for crosswalks and stop bars as per plan	439	L.F.	\$8.00	\$3,512.00	\$8.00	\$3,512.00	\$10.00	\$4,390.00	\$9.20	\$4,038.80
41	Paint pavement traffic symbols (turn arrows and "ONLY" messages) as per plan	11	Each	\$50.00	\$550.00	\$30.00	\$330.00	\$350.00	\$3,850.00	\$34.00	\$374.00
42	Furnish & install sod and repair landscaping and sprinkler systems	650	S.F.	\$2.00	\$1,300.00	\$5.00	\$3,250.00	\$2.50	\$1,625.00	\$3.45	\$2,242.50
43	Mobilization	1	L.S.	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$22,425.00	\$22,425.00
44	Traffic Control	1	L.S.	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$25,300.00	\$25,300.00
Subtotal for Schedule "A" (Items 1-44)				\$129,302.50		\$171,894.00		\$221,003.00		\$195,651.20	
Schedule "B" - Bona Vista Culinary Water											
45	Mobilization	1	L.S.	\$3,500.00	\$3,500.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$4,025.00	\$4,025.00
46	Traffic Control	1	L.S.	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00	\$8,000.00	\$8,000.00	\$2,300.00	\$2,300.00
47	Furnish and install 10" C-900 PVC	470	L.F.	\$31.00	\$14,570.00	\$75.00	\$35,250.00	\$0.78	\$366.60	\$87.40	\$41,078.00
48	Furnish and install 8" C-900 PVC	20	L.F.	\$28.00	\$560.00	\$70.00	\$1,400.00	\$92.00	\$1,840.00	\$103.50	\$2,070.00
49	Furnish and install 6" C-900 PVC	50	L.F.	\$25.00	\$1,250.00	\$65.00	\$3,250.00	\$92.00	\$4,600.00	\$103.50	\$5,175.00
50	Furnish and install 10" gate valve	2	Each	\$1,700.00	\$3,400.00	\$2,000.00	\$4,000.00	\$2,600.00	\$5,200.00	\$2,875.00	\$5,750.00
51	Furnish and install 8" gate valve	1	Each	\$1,550.00	\$1,550.00	\$1,500.00	\$1,500.00	\$2,300.00	\$2,300.00	\$2,530.00	\$2,530.00
52	Furnish and install 6" gate valve	1	Each	\$1,450.00	\$1,450.00	\$1,100.00	\$1,100.00	\$2,100.00	\$2,100.00	\$2,300.00	\$2,300.00
53	Furnish and install 10" tee	1	Each	\$1,100.00	\$1,100.00	\$1,000.00	\$1,000.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
54	Furnish and install 10"x6" tee	1	Each	\$1,100.00	\$1,100.00	\$750.00	\$750.00	\$2,100.00	\$2,100.00	\$2,300.00	\$2,300.00
55	Furnish and install 10"x8" reducer	1	Each	\$650.00	\$650.00	\$500.00	\$500.00	\$1,200.00	\$1,200.00	\$1,265.00	\$1,265.00
56	Furnish and install 8"x4" reducer	1	Each	\$550.00	\$550.00	\$300.00	\$300.00	\$900.00	\$900.00	\$920.00	\$920.00
57	Furnish and install 10" 45° bend	2	Each	\$900.00	\$1,800.00	\$500.00	\$1,000.00	\$1,100.00	\$2,200.00	\$1,207.50	\$2,415.00
58	Furnish and install 10" 22.5° bend	1	Each	\$800.00	\$800.00	\$500.00	\$500.00	\$985.00	\$985.00	\$1,104.00	\$1,104.00
59	Furnish and install 10" 11.25° bend	1	Each	\$800.00	\$800.00	\$500.00	\$500.00	\$1,100.00	\$1,100.00	\$1,219.00	\$1,219.00
60	Furnish and install 6" 45° bend	2	Each	\$500.00	\$1,000.00	\$450.00	\$900.00	\$900.00	\$1,800.00	\$920.00	\$1,840.00
61	Furnish and install 2" saddle and corp. stop	1	Each	\$150.00	\$150.00	\$500.00	\$500.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
62	Furnish and install FLxMJ adaptor	1	Each	\$350.00	\$350.00	\$450.00	\$450.00	\$650.00	\$650.00	\$690.00	\$690.00
63	Reconnect 3/4" service lateral	1	Each	\$1,150.00	\$1,150.00	\$800.00	\$800.00	\$1,100.00	\$1,100.00	\$1,150.00	\$1,150.00
64	Connect to existing 10" valve	1	Each	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$3,800.00	\$3,800.00	\$4,370.00	\$4,370.00
65	Connect to existing 10" waterline	1	Each	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
66	Connect to existing 6" waterline	1	Each	\$1,800.00	\$1,800.00	\$900.00	\$900.00	\$2,600.00	\$2,600.00	\$2,875.00	\$2,875.00
67	Connect to existing 4" waterline	1	Each	\$1,600.00	\$1,600.00	\$750.00	\$750.00	\$2,100.00	\$2,100.00	\$2,300.00	\$2,300.00
68	Plug and block existing 10" waterline	4	Each	\$350.00	\$1,400.00	\$850.00	\$3,400.00	\$2,300.00	\$9,200.00	\$2,645.00	\$10,580.00
69	6" asphalt (PG 64-34)	35	Ton	\$150.00	\$5,250.00	\$100.00	\$3,500.00	\$150.00	\$5,250.00	\$132.25	\$4,628.75
70	Untreated base course material	250	Ton	\$18.00	\$4,500.00	\$25.00	\$6,250.00	\$25.00	\$6,250.00	\$23.34	\$5,835.00
71	UDOT Spec backfill material	100	Ton	\$22.00	\$2,200.00	\$22.00	\$2,200.00	\$26.00	\$2,600.00	\$29.90	\$2,990.00
72	Sand bedding material	400	Ton	\$18.00	\$7,200.00	\$20.00	\$8,000.00	\$18.00	\$7,200.00	\$20.70	\$8,280.00
73	Concrete collar	4	Each	\$250.00	\$1,000.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$977.50	\$3,910.00

BID OPENING

DATE: June 9, 2016
 TIME: 2:00 pm
 PLACE: Jones & Associates

SUMMARY OF PROPOSALS RECEIVED

Client: Harrisville City Corporation
 Project: Larsen Lane & Washington Blvd. Intersection Improvements



		ENGINEER'S ESTIMATE				~ 1 ~ STAPP CONSTRUCTION		~ 2 ~ POST ASPHALT		~ 3 ~ BOWEN CONSTRUCTION	
ITEM	DESCRIPTION	QUA.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
74	Saw-cut 6" asphalt	240	L.F.	\$2.50	\$600.00	\$2.00	\$480.00	\$2.00	\$480.00	\$1.03	\$247.20
75	Saw-cut 3" asphalt	70	L.F.	\$1.75	\$122.50	\$1.00	\$70.00	\$2.00	\$140.00	\$2.46	\$172.20
76	Saw-cut concrete	400	L.F.	\$3.00	\$1,200.00	\$2.00	\$800.00	\$1.00	\$400.00	\$3.10	\$1,240.00
77	Furnish and install micro-surface seal per UDOT specifications including traffic control and mobilization	851	S.Y.	\$11.00	\$9,361.00	\$11.00	\$9,361.00	\$11.00	\$9,361.00	\$12.65	\$10,765.15
78	Fill existing 10" pipe with flowable fill	5	C.Y.	\$80.00	\$400.00	\$300.00	\$1,500.00	\$150.00	\$750.00	\$173.00	\$865.00
Subtotal for Schedule "B" (Items 45-78)				\$78,663.50		\$124,911.00		\$101,372.60		\$145,814.30	
Schedule "C" - Traffic Signal Improvements											
79	Install traffic signal improvements complete as shown on the signal plans. All work to conform to UDOT Standards and Specifications. Excludes underground work listed in Bid Items 82-92.	1	L.S.	\$63,300.00	\$63,300.00	\$55,200.00	\$55,200.00	\$46,000.00	\$46,000.00	\$52,716.00	\$52,716.00
80	Furnish and install 2" PVC conduit as necessary to extend existing conduits to new location	200	L.F.	\$3.00	\$600.00	\$29.40	\$5,880.00	\$11.00	\$2,200.00	\$11.50	\$2,300.00
81	Furnish and install 3" PVC conduit as necessary to extend existing conduits to new location	50	L.F.	\$7.00	\$350.00	\$36.00	\$1,800.00	\$11.00	\$550.00	\$11.50	\$575.00
82	Furnish and install MSA 20-1, 4 wire, AWG 14 gauge	300	L.F.	\$1.20	\$360.00	\$1.50	\$450.00	\$1.40	\$420.00	\$1.43	\$429.00
83	Furnish and install MSA 20-1, 7 wire, AWG 14 gauge	900	L.F.	\$1.60	\$1,440.00	\$2.10	\$1,890.00	\$1.40	\$1,260.00	\$1.43	\$1,287.00
84	Furnish and install Smart Sensor Advance Cable	250	L.F.	\$1.70	\$425.00	\$2.30	\$575.00	\$1.60	\$400.00	\$1.67	\$417.50
85	Furnish and install Smart Sensor Matrix Cable	250	L.F.	\$1.70	\$425.00	\$2.30	\$575.00	\$1.60	\$400.00	\$1.67	\$417.50
86	Furnish and install RHH-USE2-RHW2, 6 gauge	350	L.F.	\$1.40	\$490.00	\$1.80	\$630.00	\$1.40	\$490.00	\$1.44	\$504.00
87	Furnish and install bare copper ground wire, No. 6	700	L.F.	\$1.00	\$700.00	\$1.50	\$1,050.00	\$1.10	\$770.00	\$1.15	\$805.00
88	Furnish and install ground rod 3/4" x 10'	4	Each	\$70.00	\$280.00	\$129.00	\$516.00	\$140.00	\$560.00	\$144.00	\$576.00
89	Furnish and install power source, underground service pedestal	1	Each	\$2,500.00	\$2,500.00	\$3,600.00	\$3,600.00	\$2,750.00	\$2,750.00	\$2,875.00	\$2,875.00
90	Remove existing wire from conduit	1,600	L.F.	\$0.30	\$480.00	\$0.80	\$1,280.00	\$0.66	\$1,056.00	\$0.69	\$1,104.00
91	Furnish and install Sign Type A-1, 30" x 30" (W3-3)	1	Each	\$550.00	\$550.00	\$1,287.00	\$1,287.00	\$550.00	\$550.00	\$575.00	\$575.00
92	Furnish and install Sign Type A-2, 48" x 30" (R3-8B Modified)	1	Each	\$750.00	\$750.00	\$878.00	\$878.00	\$550.00	\$550.00	\$575.00	\$575.00
Subtotal for Schedule "C" (Items 79-92)				\$72,650.00		\$75,611.00		\$57,956.00		\$65,156.00	
TOTAL (Items 1 - 92)				\$280,616.00		\$372,416.00		\$380,331.60		\$406,621.50	

Project Engineer _____

Date _____