

CITY OF FRANKLIN
SPECIAL COMMON COUNCIL MEETING
FRANKLIN CITY HALL – COMMON COUNCIL CHAMBERS
9229 WEST LOOMIS ROAD, FRANKLIN, WISCONSIN
AGENDA*
MONDAY, JUNE 12, 2017 AT 6:00 P.M.

- A. Call to Order and Roll Call.
- B. Citizen Comment Period.
- C. A Resolution Authorizing Local / County Agreement with Milwaukee County for Addition of Lights to the Intersection of CTH U (S. 76th Street) and CTH BB (W. Rawson Avenue).
- D. Adjournment.

*Supporting documentation and details of these agenda items are available at City Hall during normal business hours.

[Note: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information, contact the City Clerk's office at (414) 425-7500.]

APPROVAL <i>Slw</i>	REQUEST FOR COUNCIL ACTION	MTG. DATE 06/12/2017
Reports & Recommendations	A RESOLUTION AUTHORIZING LOCAL / COUNTY AGREEMENT WITH MILWAUKEE COUNTY FOR ADDITION OF LIGHTS TO THE INTERSECTION OF CTH U (S. 76TH STREET) AND CTH BB (W. RAWSON AVENUE)	ITEM NO. <i>C.</i>

BACKGROUND

Milwaukee County is making improvements to the intersection of CTH U (S. 76th Street) and CTH BB (W. Rawson Avenue) through a Federal Highway Safety Improvement Program (HSIP). HSIP funds highway safety projects at sites that have experienced a high crash history.

The City of Franklin currently owns and maintains the street lighting system for both of the affected roads. There are four lights that need to be moved to accommodate the new median configurations. As with other recent projects, the City inquired if the lighting could be incorporated into the construction of the county facilities. The contractor proposed a change order and the county would like to have an answer from the city as soon as possible.

As proposed, the contractor will substitute the four traffic signal poles with poles that can accommodate lights. In addition, the electricity to the lights will be fed with the electricity to the signals, which are a County expense.

ANALYSIS

Staff has estimated that using in-house resources, it would cost the city about \$20,000 to relocate lights to accommodate the County's work. To have the County replace the signal poles and accommodate lights, the proposed change order is \$26,814.00. The county always adds 15% Engineering and Contingency charge to the City resulting in an estimated \$30,861.10. Note that the estimate is a unit price project.

As a HSIP project, the local agency (Milwaukee County) only pays 10% of the project. Therefore, the estimated cost to the City would be $\$26,814.00 \times 10\% + 15\% = \$3,083.61$.

If the project exceeds the estimate cost, the HSIP funds would be tapped out and the additional funding would be 100% local. The county is requiring that the HSIP funding be first allocated to their costs and the City would be required to fund the light change order at 100% - or any portion thereof. For example, if something like contaminated soils were encountered, and the project costs exceeds the HSIP total by \$10,000, the City would pay

$$[(100\% \times \$10,000) + (10\% \times \$26,814 - \$10,000)] + 15\% = \$13,433.61$$

To summarize, it is anticipated that the City cost would be \$3,083.10 but could cost \$30,861 if the project encounters any significant change orders.

OPTIONS:

Approve the Local/County Agreement with Milwaukee County for addition of lights to the intersection of CTH U (S 76th Street) and CTH BB (W. Rawson Avenue); or
Table

FISCAL NOTE

\$31,000 is available, if needed, from the Capital Improvement Fund Contingency. This will need Common Council authorization.

RECOMMENDATION

Motion to adopt a Resolution authorizing Local / County Agreement with Milwaukee County for addition of lights to the intersection of CTH U (S. 76th Street) and CTH BB (W. Rawson Avenue), subject to technical review and correction by City Attorney, and authorizing funding to come from contingency appropriation in the Capital Improvement Fund.

Department of Engineering GEM

STATE OF WISCONSIN: CITY OF FRANKLIN: MILWAUKEE COUNTY

RESOLUTION NO. 2017 - _____

A RESOLUTION AUTHORIZING LOCAL / COUNTY AGREEMENT WITH MILWAUKEE
COUNTY FOR ADDITION OF LIGHTS TO THE INTERSECTION OF
CTH U (S. 76TH STREET) AND CTH BB (W. RAWSON AVENUE)

WHEREAS, Milwaukee County is making improvements to the intersection of CTH U (S. 76th Street) and CTH BB (W. Rawson Avenue); and

WHEREAS, Milwaukee County is accessing Highway Safety Improvement Program (HSIP) funds to pay for 90% of the project costs; and

WHEREAS, Milwaukee County may add the costs of area lights to the project and the added cost to the total project is expected to be \$26,814.00 as determined by a project change order; and

WHEREAS, the additional lighting costs may only require ten percent cost share by the local unit of government per the HISP program; and

WHEREAS, additional costs elsewhere on this project may exclude some or all of the additional lighting costs from qualifying for HISP funds; and

WHEREAS, Milwaukee County charges a 15% engineering and contingency fee to the City for all additional costs;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Common Council of the City of Franklin that the City enter into a Local / County Agreement with Milwaukee County for addition of lights to the intersection of CTH U (S. 76th Street) and CTH BB (W. Rawson Avenue).

BE IT FURTHER RESOLVED that the Mayor and City Clerk are authorized and directed to execute Change Order 2 on behalf of the City.

Introduced at a special meeting of the Common Council of the City of Franklin this 12th day of June 2017 by Alderman _____.

Passed and adopted at a special meeting of the Common Council of the City of Franklin this 12th day of June 2017.

APPROVED:

Stephen R. Olson, Mayor

ATTEST:

Sandra L. Wesolowski, City Clerk

AYES _____ NOES _____ ABSENT _____

Glen Morrow

From: Weddle-Henning, Andrea [Andrea.Weddle-Henning@milwaukeecountywi.gov]
Sent: Thursday, June 08, 2017 3:21 PM
To: Glen Morrow
Cc: Murphy, Daniel
Subject: Project 2160-01-72 (WH001192) CTH U, Intersection of CTH U and CTH BB
Attachments: 2160-01-72 CMJ #1.pdf; DRAFT_Contract Mod #1.pdf; DRAFT CTH U & BB LMA-Franklin 6-7-2017.pdf

Hi Glen,

In efforts to include the City of Franklin street lighting in the subject project, attached is the draft Contract Modification to accomplish this. I know that you have been working with Dave Vivian and Daniel Murphy to work out the details to expedite your request. In order to move forward with the addition of the street lighting in the project, we will need written concurrence that the City of Franklin agrees to pay for the costs of the Contract Modification as outlined in the Contract Modification and the Draft Local/Municipal Agreement (LMA). Since this is time sensitive, we will need your written concurrence by Monday, June 12, 2017 as the project will not be delayed due to this additional street lighting work outlined in the Contract Modification.

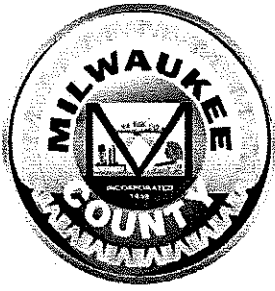
Milwaukee County then will send you a Final Local/County Agreement (LMA) for the street lighting costs, as well as, a traffic signal maintenance agreement related to the street lighting for prompt execution.

Look forward to receiving your written concurrence by Monday, June 12, 2017 so that we can move forward with the work per your request.

Thanks,

Andrea J. Weddle-Henning, P.E.
Transportation Engineering Manager
Milwaukee County DOT-Transportation Services
10320 W. Watertown Plank Rd., 2nd Floor
Wauwatosa, WI 53226
Office: 414.257.5934
Fax: 414.257.5990
Email: andrea.weddle-henning@milwaukeecountywi.gov

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**LOCAL/COUNTY AGREEMENT
FOR A
HIGHWAY IMPROVEMENT PROJECT**

DATE: June 8, 2017

ID: WH001192 (Milwaukee County)
2160-01-72 (WISDOT)

HIGHWAY: CTH U (S. 76th St.)

LIMITS: Intersection of CTH U (S. 76th St.) and CTH BB (W. Rawson Ave.)

THIS AGREEMENT is made and entered into and between Milwaukee County, a body corporate, and the City of Franklin, a municipal corporation.

The portion of S. 76th St. at the intersection of W. Rawson Ave. has been designated County Trunk Highway "U" pursuant to Section 83.025 of the Wisconsin Statutes.

The County has budgeted funds for the improvement of CTH "U" and CTH "BB", with construction scheduled to complete in fall of 2017.

The Milwaukee County Department of Transportation, hereinafter called the County, through its undersigned duly authorized officers or officials, hereby requests the City of Franklin, hereinafter called the Municipality, to participate in the street improvements hereinafter described in the estimated cost summary.

The authority for the Municipality to enter into this agreement with the County is provided by Section 86.25(1), (2) and (3) of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

Existing Facility – Describe and give reason for request:

The existing traffic signal at the intersection of CTH "U" and CTH "BB" is in need of upgrades to improve safety and this is the reason for this project.

Proposed Improvement – Nature of work:

The proposed improvement includes offsetting the left turn lanes and installing overhead, per lane signal indications (monotubes) at the intersection, improving visibility and traffic signal progression/flow. In addition, pavement marking and signage will be improved near the intersections to better direct drivers to their destination.

As requested by the municipality, street lighting work will be included with the "CTH U" proposed improvement project.

Project No. WH001192
 CTH U (S. 76th St.) Intersection with CTH BB (W. Rawson Ave.)
ESTIMATED COST SUMMARY*

CONSTRUCTION ESTIMATED COSTS (SEE TABLES BELOW):

ITEM NUMBER	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED PRICE	ESTIMATED TOTAL PRICE
City of Franklin Non-Participating Street Lighting Work (100% City of Franklin)					
VARIOUS	VARIOUS (Street Lighting)	VARIOUS	VARIOUS	VARIOUS	\$2,681.40

Estimated Construction Cost of Non-Participating Work: **\$2,681.40****
 +15% Engineering & Contingency: **\$402.21**
Total City of Franklin Estimated Project Costs (Category 20): \$3,083.61

* The above costs reflect the County's best estimates to-date. The actual number of units installed may vary from this estimate depending on field conditions. The Municipality will be billed for each item at the actual construction cost.

**The total estimated cost of the addition of the Municipality street lighting is \$26,814.00. The estimated total price of \$2,681.40 is based on the current estimated Federal funding share of 90% where the Municipality is responsible for the 10% share. If the total construction costs exceed the allowable maximum amount of Federal funding available for the project, the Municipality may have adjustments to their share based on actual costs.

This agreement is subject to the terms and conditions that follow and is executed by the undersigned under proper authority to execute such an agreement for the designated Municipality and upon acceptance by the County shall constitute an agreement between the Municipality and the County.

Signed for and on behalf of Milwaukee County:

_____ Signature	Director, Department of Transportation _____ Title	_____ Date
_____ Brian Dranzik Name (Written Clearly)		

Signed for and on behalf of the City of Franklin:

_____ Signature	Mayor _____ Title	_____ Date
_____ Steve Olson Name (Written Clearly)		

-Terms and Conditions Begin on the Next Page-

TERMS AND CONDITIONS

1. The initiation and accomplishment of the improvement will be subject to the applicable Federal, State and County regulations.
2. The Municipality will pay to the County such related costs for items as outlined below and listed in the Estimated Cost Summary.
3. Funding of each project phase (preliminary engineering, real estate, construction, other) is subject to inclusion in an approved program. County financing will be limited to participation in the costs of the following items as specified in the Estimated Cost Summary:
 - a. Preliminary Engineering and review services (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - b. The grading, base, pavement, and curb and gutter (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - c. Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main, if required (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - d. Construction Engineering incidental to inspection and supervision of actual construction work (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - e. Signing and pavement marking, including detour routes (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - f. Surfacing of private driveways due to change in grade of the improvement (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - g. New installations or alterations of traffic signals (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - h. Real Estate for the improvement, if required (100%), unless otherwise agreed as specified in the Estimated Cost Summary.
 - i. Installation of new sidewalk required for the project to meet funding requirements or replacement of any sidewalk removed as a result of a change in street grade (100%) or condition to meet ADA requirements, unless otherwise agreed as specified in the Estimated Cost Summary.
4. Work necessary to complete the improvement to be financed entirely by the Municipality or other utility or facility owner or other responsible party (not including the County) includes, but is not limited to, the following items:
 - a. New installations of or alterations of sidewalks, sanitary sewers or connections, water, gas, electric, telephone, telegraph, fiber optic, fire or police alarm facilities, parking meters, pipelines, and similar utilities.
 - b. Repair of damages to roads and streets caused by reason of their use in hauling materials incidental to the improvement.
 - c. New installations of or alterations of sidewalks that are not deemed necessary in 3i above.

5. As the work progresses, the Municipality will be billed for work completed as outlined above and

WH001192 (2160-01-72)

City of Franklin

6-8-2017

as listed in the Estimated Cost Summary. Upon completion of the project, a final audit will be made to determine the final division of costs.

6. If the Municipality should withdraw from the project, it will reimburse the County its proportionate local share of all construction and construction engineering costs incurred by the County to complete the construction phase of the project (construction), up to the date the notification of withdrawal is received by Milwaukee County.
7. The work will be administered by the County or its designee and may include items not eligible for County participation. The County shall notify the Municipality of such items prior to inclusion of the work and get written authorization for their inclusion and cost participation by the Municipality.
8. The Municipality at its own cost and expense and using its own labor forces and equipment will:
 - a. Prohibit angle parking.
 - b. Regulate parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
 - c. Regulate parking at all times in the vicinity of the proposed improvements during their construction.
 - j. Remove, reinstall and/or relocate street lighting poles, bases, luminaries, and other appurtenances necessary to accommodate the proposed improvement, including coordinating work, unless otherwise agreed as specified in the Estimated Cost Summary.

(End of Document)



Contract Modification

Wisconsin Department of Transportation

6/6/2017 5:55 PM

FieldManager 5.3a

Contract: 20161213011, CTH U

Cont. Mod. Number	Revision Number	Cont. Mod. Date	Net Change	Awarded Contract Amount
1		5/2/2017	\$26,814.00	\$596,111.67
Route CTH U				Entered By David K. Vivian
Contract Location CTH U Milwaukee County				

Short Description

Addition and removal of items for street lighting.



Contract Modification

Description of Changes

This contract is NOT subject to Federal Oversight.

This contract modification will add costs to the project associated with the new items Concrete Bases Type 2, Cable Type UF 2-12 AWG Grounded, Transformer Bases Breakaway 11 1/2-Inch Bolt Circle, Poles Type 4, Luminaire Arms Truss Type 4-Inch Clamp 12-ft, Luminaires Utility LED C, Poles Type 13 and Luminaire Arms Steel 12-ft.

This contract modification removes the following items from the contract:

SPV.0060.01 Poles Type 12

This contract modification has decreases to the quantities of the following items:

654.0101 Concrete Bases Type 1

657.0100 Pedestal Bases

657.0425 Traffic Signal Standards Aluminum 15-ft

This contract modification adds the following items to the contract:

654.0102 Concrete Bases Type 2

This work shall be performed in accordance with Section 654 of the 2017 Edition of the Standard Specifications and as directed by the engineer in the field.

655.0305 Cable Type UF 2-12 AWG Grounded

This work shall be performed in accordance with Section 655 of the 2017 Edition of the Standard Specifications and as directed by the engineer in the field.

657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle

This work shall be performed in accordance with Section 657 of the 2017 Edition of the Standard Specifications and as directed by the engineer in the field.

657.0315 Poles Type 4

This work shall be performed in accordance with Section 657 of the 2017 Edition of the Standard Specifications and as directed by the engineer in the field.

657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-ft

This work shall be performed in accordance with Section 657 of the 2017 Edition of the Standard Specifications and as directed by the engineer in the field.

659.1125 Luminaires Utility LED C

This work shall be performed in accordance with Section 659 of the 2017 Edition of the Standard Specifications and as directed by the engineer in the field.

Add the following non-standard bid items to the contract:

ITEM #SPV.0060 SPECIAL 06. POLES TYPE 13

A Description

Work under this item consists of furnishing and installing monotube poles.

B Materials

Design support structures conforming to the minimum wall thickness the plan details show and to AASHTO design and fabrication standards for structural supports for highway signs, luminaires, and traffic signals. Use a design life of 50 years. Design to withstand a 3 second gust wind speed of 90 mph (145 km/h). Do not use the methods of Appendix C of those AASHTO standards.



Contract Modification

Use Category II criteria for Type 13 Poles.

For structures requiring a fatigue analysis, use 45 mph (72 km/h) for truck-induced gusts.

After welding and before zinc coating, clean the exterior surface of each steel pole free of all loose rust and mill scale, dirt, oil or grease, and other foreign substances.

Apply a zinc coating conforming to the process specified for steel sign bridges in 641.2.8. Ensure that the zinc coating is tight, free from rough areas or slag, and presents a uniform appearance.

After completing manufacturing, clean the exterior surfaces of each pole free of all loose scale, dirt, oil or grease, and other foreign substances.

Provide reinforced hand holes measuring 4 inches by 6 inches (100 mm by 150 mm) as the plans show. Locate the lower hand hole 18 inches (450 mm) from the bottom of the pole base to the center of the door. For the hand hole, include an access cover mounted to the pole by two 1/4"-20 x 3/4" (m6 x 1.00 x 19 mm) hex-head stainless steel bolts.

Provide a grounding lug complete with mounting hardware, as required, inside the pole as the plans show. Provide access to the grounding lug from the hand hole. Weld the ground lug directly opposite the hand hole on the inside wall of the pole.

Equip the top of the shaft with a removable, ventilated cap held securely in place by at least 3 1/4"-20 x 3/4" (m6 x 1.00 x 19 mm) hex-head stainless steel set screws.

Ensure that all castings are clean, smooth, and with all details well defined and true to pattern.

Include cover plates for all luminaire attachment locations on the pole which will not have a luminaire attached to it under this project.

Attach base plates firmly to the pole shaft by welding or other approved method.

Include anchor bolts meeting AASHTO standards applicable to the pole type and loading. Provide a mounting template that ensures correct installation of anchor bolts in foundation.

C Construction

Install poles as specified in the plan details and using appropriate contractor-furnished anchor bolts and hardware. Use the appropriate anchor bolt template to ensure correct installation. Secure pole to anchor assembly and document tensioning procedures conforming to 641.3.1.2.

After completing erection using normal pole shaft raking techniques, ensure the centerline of the shaft appears vertical.

Install identification plaques as the plans show following the structure numbering on the signal plan.

Secure rodent screening covering the space between the base plate and the concrete base.

D Measurement

The department will measure each Pole Type 13 as each individual pole acceptably completed.

E Payment

The department will pay for measured quantity at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Poles Type 13	Each

Payment is full compensation for providing and installing poles including all hardware and fittings necessary to install the poles, and for installing identification plaques.

ITEM #SPV.0060 SPECIAL 07. LUMINAIRE ARMS STEEL 12-FT



Contract Modification

A Description

Work under this item consists of furnishing and installing steel luminaire arms.

B Materials

Design support structures conforming to the minimum wall thickness the plan details show and to AASHTO design and fabrication standards for structural supports for highway signs, luminaires, and traffic signals. Use a design life of 50 years. Design to withstand a 3 second gust wind speed of 90 mph (145 km/h). Do not use the methods of appendix C of those AASHTO standards.

Use category II criteria if mounted on top of a Type 13 pole.

For structures requiring a fatigue analysis, use 45 mph (72 km/h) for truck-induced gusts.

Base the designs on the completed maximum loading configuration the standard detail drawing shows. Along with the materials list, submit a certificate of compliance certifying that the arms as furnished conform to the above structural performance requirements. Ensure that the certificate of compliance is on the manufacturer's letterhead, signed by an authorized company officer, and notarized. Send a copy of the certificate and a copy of the luminaire arm shop drawings to the department electrical engineer.

Furnish luminaire arms conforming to the following:

1. Consist of zinc coated steel round or oval members.
2. Have a mounting device welded to the pole end of the luminaire arm that allows the attachment of the arm to a pole as the plans show.
3. Have stiffeners or gussets if required between the arm tube and the arm mounting device to provide adequate strength to resist side loads.
4. Have a clean, uniform natural finish. No paint or other corrosion preventive maintenance coating is required.

After welding and before zinc coating, clean exterior surfaces of each arm free of all loose rust and mill scale, dirt, oil or grease, and other foreign substances.

Apply zinc coating as specified for sign bridge components in 641.2.8. Ensure that the zinc coating is tight, free from rough areas or slag, and presents a uniform appearance.

After manufacturing is complete, clean the exterior surfaces of each pole free of all loose scale, dirt, oil, or grease, and other foreign substances.

C (Vacant)

D Measurement

The department will measure each Luminaire Arms Steel 12-Foot as each individual arm acceptably completed.

E Payment

The department will pay for measured quantity at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.23	Luminaire Arms Steel 12-FT	Each

Payment is full compensation for providing and installing all materials, including all hardware, fittings, mounting clamps, shims if required and attachments necessary to completely install arms.



Contract Modification

Increases / Decreases

Project: 2160-01-72, CTH U Intersection CTH U & CTH BB

Project Per:

Category: 0010, Roadway Items

Item Description	Item Code	Prop.Ln.	Item Type	Unit	Quantity Chg.	Unit Price	Dollar Value
Concrete Bases Type 1	654.0101	0710	Original	EACH	-4.000	525.00000	\$-2,100.00

Reason: PC - These bases are being replaced by Concrete Bases Type 2.

Pedestal Bases	657.0100	0810	Original	EACH	-4.000	185.00000	\$-740.00
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Reason: PC - These bases are being replaced by Transformer Bases Breakaway 11 1/2-Inch Bolt Circle.

Traffic Signal Standards Aluminum 15-FT	657.0425	0820	Original	EACH	-4.000	475.00000	\$-1,900.00
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Reason: PC - These standards are being replaced by Poles Type 4.

Special 01. POLES TYPE 12	SPV.0060	1060	Original	EACH	-4.000	9,225.00000	\$-36,900.00
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Reason: PC - This item is being replaced by Poles Type 13.

Subtotal for Category 0010: \$-41,640.00

Subtotal for Project 2160-01-72: \$-41,640.00

New Items

Project: 2160-01-72, CTH U Intersection CTH U & CTH BB

Category: 0010, Roadway Items

Item Description	Item Code	Prop.Ln.	Item Type	Unit	Proposed Qty.	Unit Price	Dollar Value
Concrete Bases Type 2	654.0102	1205	Change Order	EACH	4.000	896.00000	\$3,584.00

Reason: PC - This item is being added to accommodate Poles Type 4.

Cable Type UF 2-12 AWG Grounded	655.0305	1245	Change Order	LF	1,620.000	0.90000	\$1,458.00
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Reason: PC - This item is being added as part of the street lighting.

Trans Base Brkwy 11 1/2-Inch Bolt Circle	657.0255	1215	Change Order	EACH	4.000	399.00000	\$1,596.00
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Reason: PC - This item is being added to accommodate Poles Type 4.

Poles Type 4	657.0315	1220	Change Order	EACH	4.000	1,255.00000	\$5,020.00
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Reason: PC - This item is being added to accommodate street lighting.



Contract Modification

New Items

Project: 2160-01-72, CTH U Intersection CTH U & CTH BB

Category: 0010, Roadway Items

Item Description	Item Code	Prop.Ln.	ItemType	Unit	Proposed Qty.	Unit Price	Dollar Value
Luminaire Arm Truss Type 4-Inch Clamp 12-FT	657.0709	1255	Change Order	EACH	4.000	400.00000	\$1,600.00

Reason: PC - This item is being added as part of the street lighting.

Luminaire Utility LED C	659.1125	1230	Change Order	EACH	8.000	574.00000	\$4,592.00
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Reason: PC - This item is being added as part of the street lighting.

Special 06. POLES TYPE 13	SPV.0060	1235	Change Order	EACH	4.000	11,821.00000	\$47,284.00
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Reason: PC - This item is being added to accommodate the street lighting.

Special 07. LUMINAIRE ARMS STEEL 12-FT	SPV.0060	1240	Change Order	EACH	4.000	830.00000	\$3,320.00
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Reason: PC - This item is being added as part of the street lighting.

Subtotal for Category 0010: \$68,454.00

Subtotal for Project 2160-01-72: \$68,454.00

Prepared By		Authorized By	
_____ Signature	_____ Date	_____ Signature	_____ Date
Recommended By		Prime Contractor	
_____ Signature	_____ Date	_____ Signature	_____ Date
FEDERAL PARTICIPATION - ACTION BY F.H.W.A.			
____ Approved ____ Not Eligible ____ See Letter Dated _____		_____ (Signature) _____ (Date)	



Wisconsin Department of Transportation

CONTRACT MODIFICATION JUSTIFICATION



CONTRACT ID: 2016-01-72	CONTRACT MODIFICATION NO: 1 CMJ NO: 1
PROJECT ID: 2160-01-72	FEDERAL ID: WISC 2016472
HIGHWAY OR LOCAL ROAD: CTH U	COUNTY: Milwaukee
PROJECT DESCRIPTION: Intersection of CTH U and CTH BB	
MANAGING OFFICE: SELP	LOCAL PROGRAM: <input checked="" type="checkbox"/>
PRIOR APPROVAL REQUIRED: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach justification) Attach Contract Modification <input checked="" type="checkbox"/> Other Supporting Documentation Attached <input type="checkbox"/>	

1. Description & need for change:

Milwaukee County has changed the design to include street lighting on the signal poles. This will require changing the types of poles and concrete bases that are used for the signals as well as adding items that are needed for the street lighting. All items are category 0010.

654.0101 CONCRETE BASES TYPE 1

This contract modification will reduce costs in the contract. The item to be adjusted, 654.0101 Concrete Bases Type 1 is being changed because the concrete bases at SB1, SB6 and SB9 are being replaced by Concrete Bases Type 2. SB11 is being eliminated.

654.0102 CONCRETE BASES TYPE 2

This contract modification will add costs into the contract. The item that is being added, 654.0102 Concrete Bases Type 2 is being added to accommodate Poles Type 4 for the street lighting at SB1, SB6, SB9 and SB12.

655.0305 CABLE TYPE UF 2-12 AWG GROUNDED

This contract modification will add costs into the contract. The item that is being added, 655.0305 Cable Type UF 2-12 AWG Grounded is being added as part of the street lighting that is being placed on the signal poles.

657.0100 PEDESTAL BASES

This contract modification will reduce costs in the contract. The item that is being adjusted, 657.0100 Pedestal Bases, is being changed because the bases at SB1, SB6 and SB9 are being replaced by Transformer Bases Breakaway 11 1/2-Inch Bolt Circle in order to accommodate the Poles Type 4 that are needed for the street lighting. The base at SB11 is being eliminated.

657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE

This contract modification will add costs into the contract. The item to be added, 657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle is being added to accommodate the Poles Type 4 that are needed for the street lighting at SB1, SB6, SB9 and SB12.

657.0315 POLES TYPE 4

This contract modification will add costs into the contract. The item to be added, 657.0315 Poles Type 4 is being added to accommodate the street lighting at SB1, SB6, SB9 and SB12.

657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT

This contract modification will reduce costs in the contract. The item to be eliminated, 657.0425 Traffic Signal Standards Aluminum 15-ft is being eliminated because these traffic signal standards are being replaced by Poles Type 4 at SB1, SB6, SB9 and SB12.

657.0709 LUMINAIRE ARMS TRUSS TYPE 4-INCH CLAMP 12-FT

This contract modification will add costs into the contract. The item to be added, 657.0709 is being added as part of the street lighting on the signal poles at SB1, SB6, SB9 and SB12.

659.1125 LUMINAIRES UTILITY LED C

This contract modification will add costs into the contract. The item to be added, 659.1125 Luminaires Utility LED C is being added as part of the street lighting on the signal poles at SB1, SB2, SB4, SB6, SB7, SB9, SB10 and SB12.

SPV.0060.01 POLES TYPE 12

This contract modification will reduce costs in the contract. The item to be eliminated, SPV.0060.01 Poles Type 12, is being eliminated because these poles are being replaced by Poles Type 13 at SB2, SB4, SB7 and SB10 in order to accommodate the street lighting.

SPV.0060.06 POLES TYPE 13

This contract modification will add costs into the contract. The item to be added, SPV.0060.06 Poles Type 13 is being added in order to accommodate the street lighting on the signal poles at SB2, SB4, SB7 and SB10.

SPV.0060.07 LUMINAIRE ARMS STEEL 12-FT

This contract modification will add costs into the contract. The item to be added, SPV.0060.07 Luminaire Arms Steel 12-ft is being added as part of the street lighting on the signal poles at SB2, SB4, SB7 and SB10.

2. Consequences if this Contract Modification is not approved:
The existing street lights within the medians would have to be relocated further from the Intersection due to improvements within the medians. This would reduce the lighting within the intersection and present possible safety issues.

3. Alternatives considered:
Keep the original design which called for relocating the existing street lights in the medians.

4. Estimated cost:

Group Code	Item Number	Quantity +/-	Item Unit	Item Description	Contract or Agreed Price	Increase (Decrease)
0010	654.0101	-4	EA	Concrete Bases Type 1	\$525.00	(\$2,100.00)
0010	654.0102	4	EA	Concrete Bases Type 2	\$896.00	\$3,584.00
0010	655.0305	1620	LF	Cable Type UF 2-12 AWG Grounded	\$0.90	\$1,458.00
0010	657.0100	-4	EA	Pedestal Bases	\$185.00	(\$740.00)
0010	657.0255	4	EA	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	\$399.00	\$1,596.00
0010	657.0315	4	EA	Poles Type 4	\$1,255.00	\$5,202.00
0010	657.0425	-4	EA	Traffic Signal Standards Aluminum 15-ft	\$475.00	(\$1,900.00)
0010	657.0709	4	EA	Luminaire Arms Truss Type 4-Inch Clamp 12-ft	\$400.00	\$1,600.00
0010	659.1125	8	EA	Luminaire Utility LED C	\$574.00	\$4,592.00
0010	SPV.0060.01	-4	EA	Poles Type 12	\$9,225.00	-\$36,900.00
0010	SPV.0060.06	4	EA	Poles Type 13	\$11,821.00	\$47,284.00
0010	SPV.0060.07	4	EA	Luminaire Arms Steel 12-ft	\$830.00	\$3,320.00
					TOTAL	\$26,814.00

5. Justification of price:

Prices submitted by the contractor were compared with historical unit bid prices from similar project quantities found on BidExpress and the submitted price was compared to these prices. Further justification for the items Poles Type 13 and Luminaire Arm Steel 12-ft was requested from the contractor as these unit prices were higher than the historical prices. The submitted prices were deemed reasonable by the project leader.

Item Number	Item Unit	Item Description	Unit Price	Historical Unit Price
654.0102	EA	Concrete Bases Type 2	\$896.00	\$795.31
655.0305	LF	Cable Type UF 2-12 AWG Grounded	\$0.90	\$0.96
657.0255	EA	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	\$399.00	\$331.07
657.0315	EA	Poles Type 4	\$1,255.00	\$1,252.18
657.0709	EA	Luminaire Arms Truss Type 4-Inch Clamp 12-ft	\$400.00	\$327.94
659.1125	EA	Luminaire Utility LED C	\$574.00	\$511.02
SPV.0060.06	EA	Poles Type 13	\$11,821.00	\$10,942.33
SPV.0060.07	EA	Luminaire Arms Steel 12-ft	\$830.00	\$600.00

6. Does this change affect the contract time? ☐ Yes ☒ No
 Explanation for consideration of time:
 Additional Number of days: _____ New completion date: _____ To be determined: _____
7. Is this contract subject to Federal Oversight? ☐ Yes ☒ No
 If attached prior approval, enter date received from FHWA _____
 (Date)

Prepared By _____
 Project Leader / Project Manager _____ Date _____

Approved _____
 Project Manager / Supervisor (If required) _____ Date _____

Approved _____
 Section Chief (If required.) _____ Date _____

Approved _____
 FHWA _____ Date _____