



Cost Proposal Request  
CSO LTCP Wet Weather Treatment Facility  
City of Joliet  
Contract 2195-0317  
November 10, 2017

RFP No. 12 Rev. 1, (March 6, 2018) consist of red text strike-outs and new red text herein.

RFP No. 12 Rev. 2, (April 26, 2018) consist of blue text strike-outs and new blue text herein. Note that the riser pole, transformer, and metering cabinet locations have been revised.

COST PROPOSAL NO.: 012

TO: Williams Brothers Construction, Inc.  
ISSUED BY: Phil Bzdusek

DISTRIBUTION

Submittal Exchange Distribution List (Contractor, Owner, Owner’s Representative, and Engineer)

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein.

DESCRIPTIONS AFFECTING THE DRAWINGS

~~Provide conduit from Utility Pole to proposed pad-mounted Utility transformer.~~

Provide conduit and conductors from proposed Utility transformer location to proposed PMG-2 as shown on attached Sheet 57. Proposed electrical ~~switchyard grading~~ shall be by Contractor, transformer ~~and fence~~ shall be provided by Utility Company. Refer to plant record drawings for existing yard piping in the area of proposed conduit routing. Provide credit for conduit and conductors that are no longer be required as shown on attached Sheet 57.

via metering cabinet

transformer area grading and transformer pad, metering cabinet, metering cabinet pad, and associated bollards

(if necessary)

RFP No. 12 Rev. 1, (March 6, 2018) consist of red text strike-outs and new red text herein.  
 RFP No. 12 Rev. 2, (April 26, 2018) consist of blue text strike-outs and new blue text herein.  
 Note that the location of the transformer has been modified and the location of the metering cabinet is shown.

**STRUCTURE IDENTIFICATION**

00	GENERAL
05	SITE
10	WEST SCREENING STRUCTURE
30	WET WEATHER PUMPING STATION
35	OUTLET SIPHON CONTROL STRUCTURE
40	EAST SCREENING FACILITY
45	INFLUENT CONTROL STRUCTURE
50	FIRST FLUSH STORAGE TANKS
60	PRIMARY CLARIFIERS NO. 1 AND NO. 2
70	CHLORINE CONTACT TANK
80	CHLORINATION - DECHLORINATION BUILDING
90	STORAGE FACILITY

NO.	ISSUED	REVISIONS	DATE
1	1/26/2017		
2			

Notes no longer applicable. Refer to markups on this Sheet for conduit and conductor size and routing, and transformer location.

Expansion of existing electrical switchyard no longer required. Refer to additional marks on this Sheet for proposed switchyard location.

transformer and pad

Conduit and conductors by Division 16 no longer required in this area. Refer to additional marks on this Sheet for proposed conduit and conductors.

Riser Pole (existing or New; by ComEd)

2~500MCM/PH, 2~2/0 GND, 2~5" C. by Division 16 per one-line diagram on Sheet 99-E6.07. Refer to plant record drawings for existing yard piping in this area.

2~500MCM/PH, 2~2/0 GND, 2~5" C. by Division 16 per one-line diagram on Sheet 99-E6.07. Refer to plant record drawings for existing yard piping in this area.

Line continued on overall electrical site plan.

- GENERAL NOTES:**
- REFER TO SPECIFICATION SECTION 01010 FOR CONSTRUCTION SEQUENCE AND ASSOCIATED ELECTRICAL WORK.
  - ONLY MAJOR FEEDER ROUTES ARE SHOWN ON SUBSEQUENT ELECTRICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROVIDING ALL HANDHOLES, CONDUIT, WIRE AND CABLE FOR ALL OTHER FEEDERS, BRANCH CIRCUITS, INSTRUMENTATION, COMMUNICATION, AND CONTROL CIRCUITS NOT SPECIFICALLY SHOWN.
  - WHERE CONDUITS ARE SHOWN ROUTED THROUGH BUILDINGS ON SITE PLAN DRAWINGS, INSTALLATION SHALL BE IN ACCORDANCE WITH AREA CLASSIFICATIONS DEFINED ON STRUCTURE SPECIFIC DRAWINGS.
  - COORDINATE ALL CAMERA VIEWING DIRECTIONS WITH OWNER PRIOR TO INSTALLATION.
  - REFER TO SCADA RISER DIAGRAMS FOR SPECIFIC ROUTING OF FIBER OPTIC CABLING.

- KEY NOTES:**
- PROVIDE NEW 7 FT. HIGH FENCE AND GATES. SEE CONSTRUCTION SEQUENCE IN SPECIFICATIONS FOR ADDITIONAL DETAILS.
  - PROVIDE 4160V 600A LOAD BREAK SWITCH ON EXISTING PAD AND CONNECT TO EXISTING SWITCHGEAR 1200A MAIN BUS. NEW SECTION SHALL MATCH EXISTING. EXISTING SWITCHGEAR IS S&C ELECTRIC CATALOG NO. CDA-716130.
  - PROVIDE NEW SERVICE TO TRANSFORMER T-6. REFER TO DRAWINGS 05-E1.02 AND 05-E1.03 FOR ROUTE OF SERVICE WHICH SHALL USE A COMBINATION OF EXISTING AND NEW DUCT BANK. REFER TO 99-E6.05 FOR CONDUIT AND CONDUCTOR QUANTITY AND SIZE.
  - CONTRACTOR SHALL UTILIZE EXISTING HAUL ROAD AT SOUTH END OF MCKINLEY AVE. NEAR HICKORY CREEK FOR HAUL ROUTE. HAUL ROAD SHALL CONTINUE NORTH EAST AND RUN PARALLEL TO HICKORY CREEK TO SOUTH JULIET STREET TO PATTERSON ROAD. CONTRACTOR TRUCKING IS NOT ALLOWED ON RESIDENTIAL STREETS.
  - CONTRACTOR SHALL MOUNT FENCE TO EXISTING WALL.
  - PRIVATE PROPERTIES AT 809 ADLER, 853 ADLER, 308 LAWTON AND 310 LAWTON HAVE NOT BEEN ACQUIRED BY OWNER.
  - OWNER WILL PROVIDE TO CONTRACTOR 950 FEET OF 7 FT. HIGH TEMPORARY FENCE WITH 3 STRANDS OF BARB AND THREE 24 FT. GATES.
  - OWNER HAS NOT OBTAINED ALL PROPERTIES IN THIS AREA. LAYDOWN AREA IS LIMITED TO ACQUIRED PROPERTIES.
  - FEED TO T-6 FROM PMG-2 SHALL BE VIA EXISTING PULLBOX BEHIND PMG-1. PROVIDE 1~5" C. FROM PMG-2 TO PULLBOX. REFER TO 99-E6.05 FOR CONDUCTOR REQUIREMENTS. MODIFY PULLBOX AS REQUIRED.
  - CROSS-TIE BETWEEN PMG-1 AND PMG-2 SHALL UTILIZE EXISTING CONDUIT STUB-UP AT NORTH END OF PMG-1. PROVIDE 1~5" C. FROM PMG-1 TO PMG-2. REFER TO 99-E6.05 FOR CONDUCTOR REQUIREMENTS.

New primary supply conductors by Utility. 5" primary riser guard and conduit by Contractor.

Proposed transformer in electrical switchyard by Utility Company. Pad and bollards by Contractor per Utility requirements.

2~500MCM/PH, 2~2/0 GND, 2~5" C

Proposed metering cabinet, pad, and bollards by Contractor per Utility requirements.

Proposed location of new transformer and pad.

Utility Company shall provide fence (if necessary).

Note revised locations for riser pole, transformer, and metering cabinet.

Line continued on enlarged plan.

OVERALL ELECTRICAL SITE PLAN

**JULIE**  
 ILLINOIS  
 ONE-CALL SYSTEM  
 811 OR 800.892.0123  
 REQUIRES A MIN. OF 48 HOURS NOTICE BEFORE YOU EXCAVATE.  
 (EXCLUDING SAT., SUN., AND HOL.)

**SITE**  
**OVERALL ELECTRIC AND FENCE PLAN**  
 WET WEATHER TREATMENT FACILITY  
 CITY OF JOLIET  
 WILL COUNTY, ILLINOIS

**JOB NO.**  
 1255.103  
**PROJECT MGR.**  
 TROY STINSON



**SHEET**  
 57  
**05-CE1.01**