



PARIC CORPORATION
77 Westport Plaza Suite 250
St. Louis, MO 63146
TEL: 636-561-9500
FAX: 636-561-9501

REQUEST FOR INFORMATION **DATE:** July 26, 2017 **NO.:** RFI-598

To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Ryan Tune

Project Name: 15051-Webster University Interdisciplinary Science Building Project No.: 15051

Subject: Sign Lights

Response Required By: August 02, 2017

Drawing / Spec Reference:

Information Requested:

See attached correspondence. Please issue revised drawings as discussed.

Response:

See attached drawing, Sheet E0001 for sign lighting intent. Submit an itemized quotation for the changes for approval prior to proceeding on the Work.

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Answered By: Mark de la Fuente, WTA

Date: 07/26/2017

THE SEAL(S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT.



Webster University
Interdisciplinary Science
Building

CANNONDESIGN

1100 Clark Avenue
St. Louis, Missouri 63102
T: 314.241.6250
F: 314.241.2570

William Tao & Associates, Inc.
MEP/FP Engineer
7955 Manchester Road, Suite 125
St. Louis, MO 63143
314-884-7600

David Mason & Associates, Inc.
Structural & Civil Engineer
800 South Vandeventer Avenue
St. Louis, MO 63110
314.534.1053

Faith Group
Technology
3101 S. Hanley Rd., Suite 100
St. Louis, MO 63143
314.591.2225

Kuhmann Leavitt, Inc.
Environmental Graphics & Signage
7400 Pershing Ave.
St. Louis, MO 63130
314.725.6616

KWA Architects
Architecture
8721 Litzinger Road
St. Louis, MO 63124
314.962.2560

Spellman Brady & Company
Interior Designer
8251 Maryland Avenue, Suite 300
St. Louis, MO 63105
314.862.0070

SWT Design
Landscape Architect
7722 Big Bend Blvd.
St. Louis, MO 63119
314.644.5700

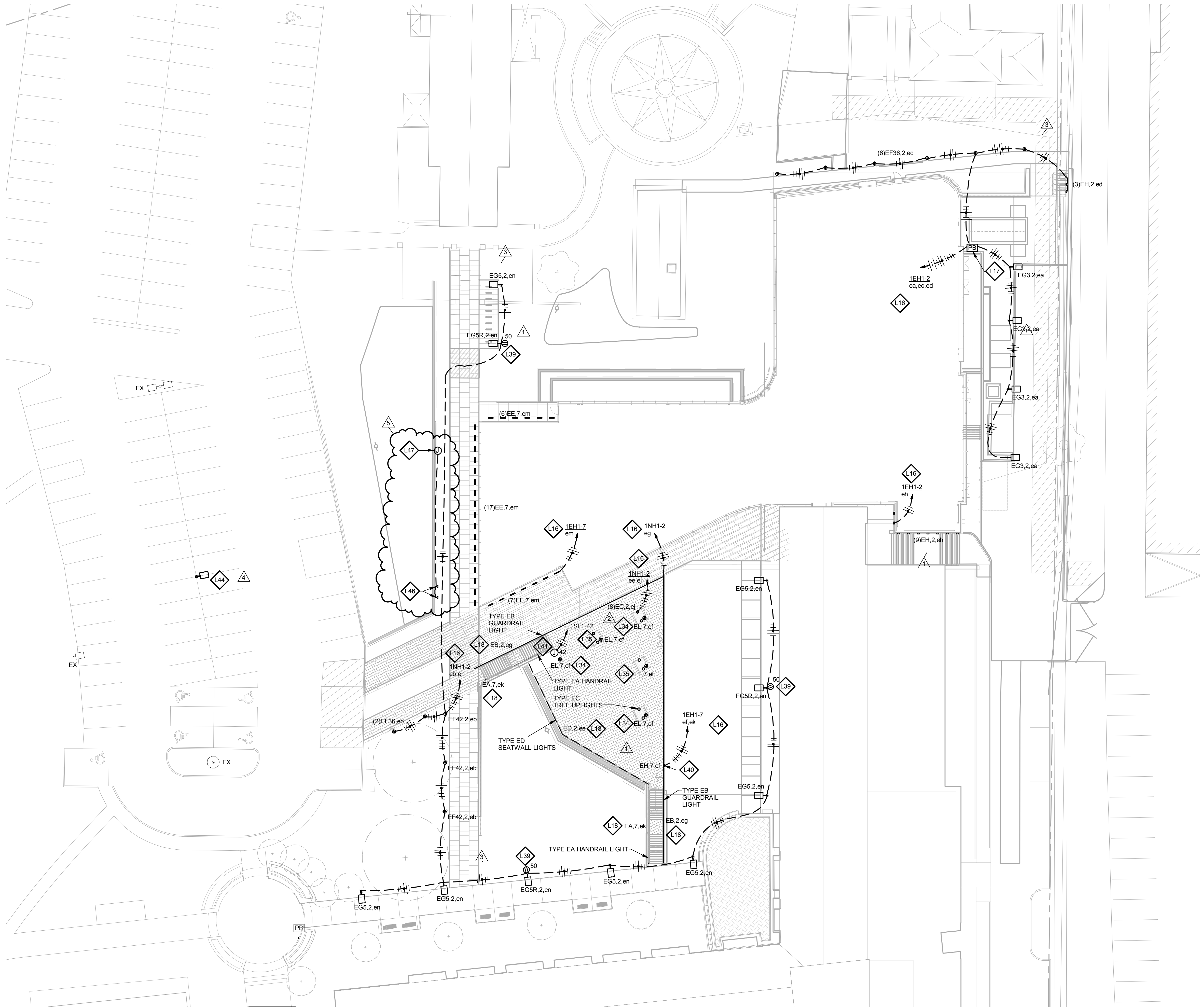
Webb Engineering Services, Inc.
Plumbing & Fire Protection
1400 S. 3rd Street, Suite 201
St. Louis, MO 63104
314.588.0600

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- PROVIDE FACE PLATES ON ALL J-BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILINGS. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH-IN. EXPOSED CONDUIT SHALL BE ROUTED TIGHT TO STRUCTURE.
- MINIMUM 0-10V CONTROL WIRE SIZE SHALL BE #16 (#16 FOR RUNS LONGER THAN 400').
- ALL SINGLE PHASE BRANCH CIRCUITS SHOWN WITH COMMON NEUTRAL SHALL HAVE INDIVIDUAL 20A-1P CIRCUIT BREAKER. CONTRACTOR TO PROVIDE HANDLE TIES TO MEET NEC SECTION 210.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS. REFER TO DRAWINGS FOR CIRCUITS WITH DEDICATED NEUTRALS.
- SHADED FIXTURES AND FIXTURES NOTED WITH AN "E" ARE FOR EMERGENCY EGRESS. CONNECT FIXTURES TO LIFE SAFETY PANEL 1EH1 UNLESS OTHERWISE NOTED.
- FIXTURES NOTED WITH "NL" ARE UN-SWITCHED NIGHT LIGHTS AND SHALL BE LEFT ON AFTER HOURS FOR WAY FINDING.
- ALL EXTERIOR LIGHTING SHALL BE CONNECTED TO THE BUILDING AUTOMATION LIGHTING CONTROL SYSTEM.
- CONTRACTOR AND LIGHTING CONTROL SYSTEM PROGRAMMER SHALL ADJUST EXTERIOR LIGHTING DIMMING LEVELS. COORDINATE AND ATTEND MEETING WITH ARCHITECT AND ENGINEER AFTER DARK, AT A MUTUALLY AGREED UPON TIME, TO MAKE ADJUSTMENTS.

KEYED NOTES

- L16 ROUTE CIRCUIT(S) VIA LIGHTING CONTROL SYSTEM. FOR EACH DIMMABLE SWITCH LEG, PROVIDE BOTH POWER AND CONTROL WIRING TO FIXTURES.
- L17 PROVIDE QUAZITE 22,500 LB. RATED, POLYMER CONCRETE 13"x24"x18"D HANDHOLE (PG1324HA00ELEC COVER WITH PG1324BA18BOX) OR APPROVED EQUAL.
- L18 LOCATE REMOTE DRIVERS WITHIN BUILDING ABOVE ACCESSIBLE CEILING OR IN ELECTRICAL CLOSET. COORDINATE LOCATION WITH ENGINEER PRIOR TO ROUGH-IN. WIRING SHALL NOT EXCEED MANUFACTURER'S REMOTING DISTANCE LIMITATION.
- L34 CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1NL1 CIRCUIT 46.
- L35 CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1NL1 CIRCUIT 48.
- L39 CONNECT LIGHTING POLE GFCI RECEPTACLE TO PANEL 1NL1 CIRCUIT 50.
- L40 PROVIDE BLACK FINISH ON TYPE EH AT THIS LOCATION. LOCATE 24" AFF.
- L41 PROVIDE STERNBERG RSA12T500-2400-5 12" TALL, 5" DIAMETER, ROUND, STRAIGHT, ALUMINUM POLE WITH BLACK FINISH. POLE SHALL BE PRE-DRILLED AND EQUIPPED WITH A JUNCTION BOX AT THE TOP OF THE POLE TO SERVE AN OWNER FURNISHED CONTRACTOR INSTALLED SPEAKER. POLE SHALL ALSO BE PRE-DRILLED FOR AN OWNER FURNISHED CONTRACTOR INSTALLED EMERGENCY CALL BOX. COORDINATE REQUIRED PRE-DRILL HEIGHT WITH OWNER. ROUTE 1" CONDUIT AND 120 VOLT POWER FOR EMERGENCY CALL BOX AS SHOWN. REFER TO ARCHITECTURAL DRAWING FOR POLE LOCATION AND CIVIL DETAIL FOR BASE CONFIGURATION. PROVIDE POLE CAP AND GROMMETS TO KEEP WATER OUT OF POLE.
- L44 RE-LOCATE EXISTING POLE FIXTURE ON NEW CONCRETE BASE. INTERCEPT AND CONNECT FIXTURE TO EXISTING CIRCUIT SERVING NEARBY PARKING LOT LIGHTS. MODIFY AND EXTEND CIRCUIT AS REQUIRED. NEW CONCRETE BASE DIMENSIONS SHALL MATCH EXISTING CONCRETE BASE DIMENSIONS.
- L46 PROVIDE TWO (2) BK LIGHTING NS-LED-e65-NSP-A5-BLP-13-11-360SL-POWERPIPE FIXTURES WITH REMOTE TRANSFORMER TO ILLUMINATE BROWNING HALL SIGNAGE. LOCATE APPROXIMATELY 5' O.C., CENTERED ON SIGNAGE, AND 6" FROM RETAINING WALL.
- L47 LOCATE BK LIGHTING TR-60-277 REMOTE TRANSFORMER WITHIN OUTDOOR JUCTION BOX TO SERVE SIGN LIGHTS. CONNECT TO 277V CIRCUIT SERVING OUTDOOR LIGHTING.



3 ELECTRICAL SITE PLAN

1" = 20'-0"

5	RFI-598	26 JUL 2017
4	ASI-066	23 MAY 2017
3	ASI-055	16 MAR 2017
2	ASI-040	09 DEC 2016
1	ASI-001	08 JULY 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date

Drawing Title:

ELECTRICAL SITE PLAN

Project No.: 04561.01 Checked by:

E0001

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Tune, Ryan

From: rick.branstetter@geco.com
Sent: Tuesday, July 25, 2017 8:06 AM
To: Mark de la Fuente
Cc: dan.wagener@geco.com; Gates, Devin; Szachnieski, Jason; kpatel@CANNONDESIGN.COM
Subject: Re: Webster - Sign Lights

Mark,

That may be an option,, It would have to be ground mounted and may be susceptible to damage but no more than the ground mounted lights would be I would think.



Rick Branstetter
Preconstruction Manager
Phone: 314-678-8053
Main: 314-772-5400
Mobile: 314-280-7477
Fax: 314-678-8353

web: www.geco.com



3401 Bent Ave
St. Louis, MO
63116

[View Map](#)

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From: "Mark de la Fuente" <MdelaFuente@wmtao.com>
To: "dan.wagener@geco.com" <dan.wagener@geco.com>, "rick.branstetter@geco.com" <rick.branstetter@geco.com>
Cc: <kpatel@CANNONDESIGN.COM>, <ddgates@paric.com>, "Jason" 'Szachnieski' <JRSzachnieski@paric.com>
Date: 07/24/2017 06:00 PM
Subject: Re: Webster - Sign Lights

Still waiting on a 277 volt power supply.. If there were a clean way to add a photocell, then that would simplify things.

Mark de la Fuente, P.E., IALD, MIES
Associate, Electrical Project Engineer

7955 Manchester Rd., Suite 125
St. Louis, MO 63143
O: 314-884-7600
wmtao.com
wtalighting.com

From: <rick.branstetter@geco.com>

To: <dan.wagener@geco.com>
CC: "Mark de la Fuente" <MdelaFuente@wmtao.com>, <kpatel@CANNONDESIGN.COM>, <ddgates@paric.com>
'Szachnieski' <JRSzachnieski@paric.com>
Date: 7/24/2017 1:37 PM
Subject: Re: Webster - Sign Lights

I think the sign Will be located on the exterior of the building under the overhang

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On Jul 24, 2017, at 1:13 PM, Dan Wagener <dan.wagener@geco.com> wrote:

We could also mount a photocell in the sign if needed

<_GECO-96dpi.jpg_DHEE-9JQNQX>	Dan Wagener Project General Foreman Phone: 314-772-5400 Main: 314-772-5400 Mobile: 314-280-7475	web: www.geco.com < facebook.jpg_DHEE-9JQNQP><_4pxspacer.jpg_DHEE-9JQNQM> < twitter.jpg_DHEE-9JQNQV> <_4pxspacer.jpg_DHEE-9JQNQM> < linkedin.jpg_DHEE-9JQNQT> 3415 Bent Ave St. Louis, MO 63116 View Map
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On Jul 24, 2017, at 10:14 AM, Mark de la Fuente <MdelaFuente@wmtao.com> wrote:

Rick,

No 0-10V will be required. There should be a relay that turns the power on/off to the site lighting. We would rely on this relay to turn the lights on and off.

Checking on 277V now.

Thanks

Mark

Mark de la Fuente, P.E., IALD, MIES
Associate, Electrical Project Engineer

<IMAGE.jpg>

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O: 314-884-7600
wmtao.com
wtalighting.com

From: <rick.branstetter@geco.com>
To: "Mark de la Fuente" <MdelaFuente@wmtao.com>
CC: <dan.wagener@geco.com>, <kpatel@CANNONDESIGN.COM>, <ddgates@paric.com>, "Jason' 'Szachnieski" <JRSzachnieski@paric.com>
Date: 7/24/2017 9:19 AM
Subject: Re: Webster - Sign Lights

Mark,,

All of the site lighting is 0-10 will this effect anything ?

<IMAGE.jpeg>	Rick Branstetter Preconstruction Manager Phone: 314-678-8053 Main: 314-772-5400 Mobile: 314-280-7477 Fax: 314-678-8353	web: www.geco.com < IMAGE.002.jpeg ><IMAGE.003.jpeg> < IMAGE.004.jpeg > <IMAGE.003.jpeg> < IMAGE.005.jpeg > 3401 Bent Ave St. Louis, MO 63116 View Map
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On Jul 24, 2017, at 9:14 AM, Mark de la Fuente <MdelaFuente@wmtao.com> wrote:

Dan,

Good question. They are intended to be on/off but since the receptacle circuit is on all the time, that won't work. We will have to use one of the lighting circuits. Which means we will need a 277v power supply.

Mark

Mark de la Fuente, P.E., IALD, MIES
Associate, Electrical Project Engineer

<IMAGE.jpg>

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To: "Mark de la Fuente" <Mdelafuente@wmtao.com>

CC: <rick.branstetter@geco.com>, <kpatel@CANNONDESIGN.COM>, <ddgates@paric.com>, "Jason" Szachniewski <JRSzachniewski@paric.com>

Date: 7/24/2017 9:09 AM

Subject: Re: Webster - Sign Lights

How will the light be controlled?

<IMAGE.jpeg> Dan Wagener Project General Foreman Phone: 314-772-5400 Main: 314-772-5400 Mobile: 314-280-7475	web: www.geco.com <IMAGE.002.jpeg> <IMAGE.003.jpeg> <IMAGE.004.jpeg> <IMAGE.003.jpeg> <IMAGE.005.jpeg> 3415 Bent Ave St. Louis, MO 63116 View Map
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On Jul 24, 2017, at 8:55 AM, Mark de la Fuente <Mdelafuente@wmtao.com> wrote:

Rick,

I'm supposed to be getting the information we need this morning and will send this out today as soon as I have it.

The factory was going to supply the fixtures with 50' of cord so that you can place the remote power supply in the junction box and then run the cable from the fixtures to the box. If it's not long enough, then it will just have to be spliced.

Mark

Mark de la Fuente, P.E., IALD, MIES
Associate, Electrical Project Engineer

<IMAGE.jpg>

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To: "Mark de la Fuente" <MdelaFuente@wmtao.com>
CC: "dan.wagener@geco.com" <dan.wagener@geco.com>, <ddgates@paric.com>, "Jason' 'Szachnieski" <JRSzachnieski@paric.com>
<kpatel@CANNONDESIGN.COM>
Date: 7/21/2017 8:49 AM
Subject: Re: Webster - Sign Lights

Mark,

When will we have the official info on this?

<IMAGE.jpeg>	Rick Branstetter Preconstruction Manager Phone: 314-678-8053 Main: 314-772-5400 Mobile: 314-280-7477 Fax: 314-678-8353	web: www.geco.com <IMAGE.002.jpeg><IMAGE.003.jpeg> <IMAGE.004.jpeg> <IMAGE.003.jpeg> <IMAGE.005.jpeg> 3401 Bent Ave St. Louis, MO 63116 View Map
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Cc: <kpatel@CANNONDESIGN.COM>, "dan.wagener@geco.com" <dan.wagener@geco.com>, <ddgates@paric.com>, "Jason' 'Szachnieski" <JRSzachnieski@paric.com>
Date: 07/17/2017 02:51 PM
Subject: Webster - Sign Lights

Rick,

We still need to issue an ESI on the "BROWNING HALL" sign lights. You were going to let me know where you can get power from (either our site lighting power or existing parking lot power).

Ideally we could just feed these two new stake mounted lights from the 1NH1-2 circuit that runs by there, but depending on where you routed that circuit, it may not be available.

See attached. The little red dots represent the two low voltage stake mounted lights. there will be a remote power supply (red square) which will have to go in a box (either a box we add, or the same box you will use for the parking lot light).

Let me know which option makes more sense at this point.

Thanks

Mark

Mark de la Fuente, P.E., IALD, MIES

Associate, Electrical Project Engineer

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[attachment "IMAGE.jpg" deleted by Rick Branstetter/GECO] [attachment "IMAGE.jpeg" deleted by Rick Branstetter/GECO] [attachment "IMAGE.jpeg" deleted by Rick Branstetter/GECO] [attachment "IMAGE.jpeg" deleted by Rick Branstetter/GECO] [attachment "IMAGE.jpeg" deleted by Rick Branstetter/GECO]

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