



**TOWN OF QUARTZSITE, ARIZONA
PUBLIC WORKS DEPARTMENT**

SPECIFICATIONS AND CONTRACT DOCUMENTS

Quartzsite High Intensity Activated Crosswalks

Main Street at McDonald's Driveway

Main Street at Palo Verde Avenue

**PROJECT NO.
16-E-001**

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Construction Contract
Quartzsite Main Street High Intensity Activated Cross Walks
Project No. 16-E-001

THIS AGREEMENT, made and entered by and between the Town of Quartzsite, an Arizona municipal corporation (hereinafter the "Town"), and _____, an Arizona Corporation, or other business entity name _____, (hereinafter the "Contractor").

RECITALS

- A. The Town Manager of the Town of Quartzsite, Arizona, is authorized and empowered by approval of the Town Council to execute this contract for construction.
- B. Project Description: The Town of Quartzsite intends to construct High Intensity Activated Cross Walks and appurtenances on Main Street at two locations; at the McDonald's Driveway, and at Palo Verde Avenue (hereinafter the "Main Street HAWKs Project" or "project"). This project will consist of the furnishing of all labor, materials, equipment, fixtures and services required to complete the work. This project will complete new concrete ramps, walkway transitions, pavement markings, signage, and lighted crosswalk beacons and poles within Quartzsite as per the contract specifications. Required also is adequate public notifications, traffic control, sweeping/cleaning, and jobsite safety. Installations and removals are more particularly described in Article 11 herein.

The intent of this Invitation for Bids is to obtain responsive/responsible contractor(s) to furnish all equipment, labor, materials, supervision, tools, and traffic control necessary for the construction and completion of the Project. The Quartzsite Main Street HAWKs Project is located in Quartzsite, Arizona, at two (2) locations.

Location 1 – Within and across Main Street, West of the McDonald's Restaurant easterly Driveway. Length of crosswalk is approximately 68 feet.

Location 2 – Within and across Main Street, West of and intersection with Palo Verde Avenue. Length of crosswalk is approximately 74 feet.

- C. The Contractor has represented to the Town the ability to construct the project and based on this representation the Town has engaged _____ to construct the project.

AGREEMENT

NOW THEREFORE, for and in consideration of the mutual covenants and considerations hereinafter contained, it is agreed by and between the Town and the Contractor as follows:

ARTICLE 1 – INVITATION TO BID & BID DOCUMENTS

1.0 INVITATION TO BID.

Req./Contract #: 16-E-001
Project Name: Quartzsite Main Street High Intensity Activated Crosswalks

Bid Due Date / Time: Friday, December 9, 2016 at 4:00 P.M. Arizona Time

Project Description: The Town of Quartzsite intends to construct High Intensity Activated Cross Walks and appurtenances on Main Street at two locations; at the McDonald's Driveway, and at Palo Verde Avenue. This "project" will consist of the furnishing of all labor, materials, equipment, fixtures and services required to complete the work. This project will complete new concrete ramps, walkway transitions, pavement markings, signage, and lighted crosswalk beacons and poles as per the contract specifications. Required also is adequate public notifications, traffic control, sweeping/cleaning, and jobsite safety. The Quartzsite Main Street High Intensity Activated Crosswalks are located in Quartzsite Arizona and herein after referred to as the "project." Engineering design has been approved, with improvement plans and technical specifications more particularly describes installation and removal project requirements.

Sealed bids for the project specified will be received by the Quartzsite Town Clerk's Office at 465 North Plymouth Avenue, Quartzsite, Arizona, 85346, on or before the time and date specified. Bidders shall execute and return one (1) original copy of entire Construction Contract Document with Bid. Bids received by the correct time and date will be opened and read aloud shortly thereafter in the Town of Quartzsite, Town Hall.

Bids must be in the actual possession of the Town Clerk's office on or prior to the exact time and date indicated above. Late bids will not be considered under any circumstances.

Bids must be submitted in a sealed opaque envelope with the Project Name and the bidder's name and address clearly indicated on the envelope. All bids must be completed in ink or typewritten on the form contained within the specifications titled Invitation for Bid.

For information or to obtain plans, specifications and bid documents, contact the Town Clerk, 465 North Plymouth Avenue, Quartzsite, Arizona, 85346, at phone (928) 927-4333 or email townclerk@ci.quartzsite.az.us. Only those plan holders registered with the Town of Quartzsite will receive any modifications to the plans, specifications and bid documents and any notices that are issued during bidding.

Plans and Specifications may be reviewed at:

- Town of Quartzsite, Town Clerk's Office, 465 North Plymouth Avenue, Quartzsite, AZ., (8am-5pm Mon. – Fri.).
- Town of Quartzsite Public Works Department, 465 North Plymouth Avenue, Quartzsite, AZ., (8am-5pm Mon. – Fri.).

BONDS:

Bid Bond: 10%
Payment Bond: 100%
Performance Bond: 100%

Project Completion Date: 100 calendar days or less after Notice to Proceed.

A Pre-Bid Conference will be held at the Town of Quartzsite Town Hall, 465 North Plymouth Avenue, Quartzsite, AZ, on Friday, November 18, 2016 at 11:00 A.M., Arizona Time. Representatives of the Owner will be present. The Town of Quartzsite reserves the right to accept or reject any or all bids or any part thereof and waive informalities deemed in the best interest of the Town.

Pursuant to the Americans with Disabilities Act (ADA), the Town of Quartzsite endeavors to ensure the accessibility of all of its programs, facilities and services to all persons with disabilities. If you need an accommodation for this meeting, please contact the Town Clerk, at (928) 927-4333, at least 24 hours prior to the meeting so that an accommodation may be arranged.

1.1 **RECEIPTS AND OPENING OF BIDS.** The Town of Quartzsite, Arizona, (hereinafter called the "Owner or the "Town") invites Bids on the form attached hereto for the **Quartzsite Main Street High Intensity Activated Crosswalks**. All blanks must be appropriately filled in. The Bidder shall also complete and submit a form listing proposed subcontractors as enclosed herein. Bids for this project will be received by the Town Clerk's Office at the Town of Quartzsite, 465 North Plymouth Avenue, Quartzsite, AZ until 4:00 P.M. Arizona Time on – Friday, November 4, 2016, where said Bids will be publicly opened and read aloud shortly thereafter in a Town Hall meeting room.

The Owner may, at its option, waive immaterial errors or omissions in bids not prepared and submitted in accordance with the provisions of this Invitation for Bids and/or the requirements of the Town's procurement policy or, alternatively, may reject any and all bids not prepared and submitted in accordance with the provisions of this Invitation for Bids and/or the requirements of the Town's procurement ordinance. Any Bid may be withdrawn prior to the above scheduled time for the opening of Bids or authorized postponement thereof. Any Bid received after the time and date specified shall not be considered. No Bidder may withdraw a Bid within ninety (90) calendar days after the actual date of the opening thereof.

1.2 **PREPARATION OF BID.** Each Bid must be submitted on the prescribed Form. All blank spaces for Bid prices must be filled in, in ink or typewritten, in both words and figures.

Each Bid must be submitted in a sealed opaque envelope bearing on the outside the name of the Bidder, the Bidder's address, and the name of the project for which the Bid is submitted. If forwarded by mail, the sealed envelope containing the Bid must be enclosed in another envelope addressed as specified in the Bid form.

1.3 **PRE-BID MEETING.** The pre-bid conference will be held for this project at the time and place stipulated in Article 1.0 Invitation to Bid, as may be modified by Addenda.

1.4 **FACSIMILE BIDS OR MODIFICATIONS.** No facsimile ("FAX") Bids or bid modifications will be accepted.

Any proposed modifications to the Bid shall be made by an authorized representative of the Bidder in original writing.

1.5 **QUALIFICATIONS OF BIDDER.** The Owner may make such investigations as he deems necessary to determine the qualifications and the ability of the Bidder to perform the Work,

and the Bidder shall furnish the Owner such information and data for this purpose as the Owner may request.

The Owner requests other information and data from the Bidder as follows:

- A list of any actions taken by the Arizona Registrar of Contractors to suspend and/or revoke the Contractor's license of the Bidder for a period of two (2) years preceding the bid.

The Owner reserves the right to reject any or all bids or withhold the award of a contract to any Bidder for any reason the Owner determines in accordance with the provisions of §34-201 (A) (4), Arizona Revised Statutes.

All Bidders and listed subcontractors must be valid Arizona Licensed Contractors at the time of Bidding, approved by the Arizona State Registrar of Contractors to do the type and amount of work specified in these documents.

- 1.6 **ARITHMETIC DISCREPANCIES IN THE BID.** For the purpose of evaluating bids, the following criteria will be utilized by Owner in resolving arithmetic discrepancies found on the face of the Bid Schedule as submitted by Bidders:

- Obviously misplaced decimal points will be corrected;
- In case of discrepancy between unit price and extended price, the unit price will govern;
- Apparent errors in extension of unit prices will be corrected;
- Apparent errors in addition of lump sums and extended prices will be corrected; and
- In case of discrepancy between words and figures in unit prices, the amount shown in words shall govern.

For the purpose of Bid evaluation, the Owner will evaluate the bids on the basis of the unit prices, extensions, and totals arrived at by resolution of arithmetic discrepancies as provided above.

- 1.7 **INCOMPLETE BIDS.** Failure to submit a Bid on all items in the Bid Schedule may result in that bid being considered incomplete, and the Bid may be rejected. Unit and/or lump sum prices must be shown for each Bid Item within the Schedule.

- 1.8 **BID SECURITY.** Each bid must be accompanied by a bid bond in the form of a certified or cashier's check made payable to the Owner in an amount equal to ten percent (10%) of the bid submitted, or alternatively, through a surety bond issued in the form substantially similar to the one attached to these bid documents or on another form approved by the Owner in the amount of ten percent (10%) of the amount of the bid submitted that conforms with the requirements of §34-201, Arizona Revised Statutes (A.R.S.). If the bid security provided by the bidder is in the form of a surety bond, solely a surety company or companies holding a certificate of authority to transact surety business in the State of Arizona, issued by the director of the Department of Insurance, pursuant to Title 20, Chapter 2, Article 1, shall execute the surety bond. An individual surety or sureties shall not execute the surety bond, even if the requirements of §7-101 A.R.S. are satisfied. The certified check, cashier's check or surety bond submitted by each bidder as bid security shall be returned to the bidders whose proposals are not accepted, and to the successful contractor upon the execution of satisfactory payment and performance bonds for the construction contract, as provided for in these bid documents and under State law.

- 1.9 **BID BOND FOR FAILURE TO ENTER INTO CONTRACT.** The successful Bidder, upon failure or refusal to execute and deliver the Agreement, Bonds, and certificates required within ten (10) calendar days from the date of the Notice of Award, shall forfeit to the Owner, as liquidated damages for such failure or refusal, their bid bond and shall owe the Town the

difference between their bid and the amount of the contract actually entered into with another party.

- 1.10 **SECURITY FOR FAITHFUL PERFORMANCE AND PAYMENT.** Simultaneously with his delivery of the executed Contract, the successful Bidder shall furnish on the forms provided herein, in a sum equal to 100% of the face amount of the Contract awarded: 1) a surety bond as security for the performance of the Contract awarded, and 2) a surety bond as security for the payment of all persons performing labor or furnishing materials in connection with the project under the Contract awarded, as specified in the General Conditions included herein. In accordance with Section §34-201 of the A.R.S., commonly known as Arizona's Little Miller Act, such payment and performance bonds shall be issued by a duly authorized surety company satisfactory to the Owner and authorized to transact business in the State of Arizona. All bonds shall be issued by a surety insurer possessing at least an "A" rating, based upon the most recent issue of Best's Insurance Guide.
- 1.11 **POWER OF ATTORNEY.** Attorneys-in-fact who sign Bid bonds or Contract bonds must file with each bond a certified and effectively dated copy of their power-of-attorney.
- 1.12 **LAWS AND REGULATIONS.** The Bidder's attention is directed to the fact that all applicable Federal Laws, State Laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though herein written out in full.
- 1.13 **METHOD OF AWARD.** The Town shall award the contract to the lowest responsive and responsible bidder, in accordance with §34-201 and §34-221 of the Arizona Revised Statutes.
- 1.14 **OBLIGATION OF THE BIDDER.** At the time of the opening of Bids, each Bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the Plans and Contract documents (including all Addenda, if applicable). The failure or omission of the Bidder to examine any form, instrument or document, or site changes due to natural causes, shall in no way relieve any Bidder from any obligation in respect to his Bid. Site changes due to natural causes prior to Bid opening shall not be cause for Bid alteration or withdrawal.
- 1.15 **TIME OF COMPLETION AND LIQUIDATED DAMAGES.** The Bidder must agree to commence work on or before a date to be specified in a written "Notice to Proceed" from the Owner, and to complete all of the work and achieve Final Acceptance on or before a completion date to be specified in the written "Notice to Proceed."

The Bidder further agrees to pay as liquidated damages, the sum indicated in the following "Schedule of Liquidated Damages" for each consecutive calendar day thereafter, plus any additional costs incurred by the Engineer as provided in Article 8.61 of the General Conditions, for each calendar day that the Contract remains incomplete. Note that these damages apply for special scheduled completion dates for miscellaneous elements as defined in the special provisions. For the purposes of determining the calendar day rate of Liquidated Damages for the Project, the Original Contract Amount shall be that which is included in the Agreement between the Owner and the Contractor for the project.

SCHEDULE OF LIQUIDATED DAMAGES		
Original Contract Amount		Daily Charges
From	To and Including	Calendar Day Rate
\$0	\$25,000.00	\$210
\$25,000.01	\$50,000.00	\$250
\$50,000.01	\$100,000.00	\$280
\$100,000.01	\$500,000.00	\$430
\$500,000.01	\$1,000,000.00	\$570
\$1,000,000.01	\$2,000,000.00	\$710
\$2,000,000.01	\$5,000,000.00	\$1,070
\$5,000,000.01	\$10,000,000.00	\$1,420
\$10,000,000.01	\$10,000,000.01+	\$1,780

1.16 **CONDITIONS OF WORK.** Each Bidder must research the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful Bidder of the obligation to furnish all material and labor necessary to carry out the provisions of the Contract. Insofar as possible, the Contractor, in performing the work, must employ such methods or means as will not cause any interruption of or interference with the work of any other Contractor.

1.17 **ADDENDA AND INTERPRETATIONS.** No interpretation of the meaning of the Plans, Specifications, or other pre-bid documents will be made to any Bidder orally.

Every request for such interpretation shall be in writing hand-delivered or mailed to the Quartzsite Public Works Department at 465 North Plymouth Avenue, Quartzsite, Arizona, 85346, or emailed to Quartzsite Public Works Director at pwdirector@ci.quartzsite.az.us and to be given consideration must be received at least seven (7) calendar days prior to the date fixed for the opening of Bids. Any and all such interpretations and any supplemental instructions will be in the form of written Addenda to the Specifications which, if issued, will be sent to all prospective Bidders (at the respective addresses furnished to the Town Clerk for such purposes), not later than five (5) calendar days prior to the date fixed for the opening of Bids, provided that the prospective bidders are registered plan holders on the project with the Town of Quartzsite. The Owner will send all addenda by FAX or e-mail or, if practical, by U.S. Mail. Failure of any Bidder to incorporate any such Addendum or interpretation or to be registered with the Town of Quartzsite for the project shall not relieve such Bidder from any obligation under his/her Bid as submitted. All Addenda so issued shall become part of the Contract documents.

1.18 **CONFLICT OF INTEREST.** Pursuant to A.R.S. § 38-511, this Contract is subject to cancellation by Owner if any person significantly involved initiating, negotiating, securing, drafting or creating the Contract on behalf of the Town of Quartzsite is, at any time while the Contract is in effect, an employee of any other party to the Contract in any capacity or a consultant to any other party of the Contract with respect to the subject matter of the Contract.

1.19 **NON-COLLUSION.** The bidder will be required to complete, notarize and submit as part of this bid package the "Non-Collusion Affidavit" form, as attached herein. Failure of the bidder to submit a properly executed affidavit may be grounds for rejection of the bid.

1.20 **EXAMINATION OF THE PLANS AND SPECIFICATIONS**. Each Bid shall be made in accordance with the Plans and Specifications, which may be examined at the following locations:

- Town of Quartzsite, Town Clerk's Office, 465 North Plymouth Avenue, Quartzsite, AZ., (8am-5pm Mon. – Fri.).
- Town of Quartzsite Public Works Department, 465 North Plymouth Avenue, Quartzsite, AZ., (8am-5pm Mon. – Fri.)

ARTICLE 2 – BID PROPOSAL

The following Sections prescribe the proper form for bid proposal:

2.0 BID PROPOSAL

PROJECT 16-E-001

Quartzsite Main Street High Intensity Activated Crosswalks

The undersigned, as Bidder, declares that we have received and examined the bid documents entitled “**Quartzsite Main Street High Intensity Activated Crosswalks**” and will contract with the Owner, on the form of Agreement provided herewith, to do everything required for the fulfillment of the contract for the project at the prices and on the terms and conditions of the bid documents, drawing, etc.

We agree that the following shall form a part of this proposal:

Article	Title
2.0	Bid Proposal
3.0	Bid Schedule
4.0	Arizona Statutory Bid Bond
5.0	Bidder's Statement of Qualifications

We acknowledge that addenda numbers _____ have been received and have been examined as part of the Contract Documents.

We certify that our proposal is genuine, and not sham or collusive, nor made in the interest or behalf of any undisclosed person, organization, or corporation, and that we have not directly or indirectly induced or solicited any other bidder to put in a sham bid, or directly or indirectly induced or solicited any other potential bidder to refrain from bidding, and that we have not in any manner sought by collusion to secure an advantage over any other bidder.

The Bidder agrees that this Bid shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving Bids.

Upon receipt of written notice of the acceptance of this Bid, Bidder shall execute the formal Agreement attached within 10 calendar days and deliver a Performance Bond, Payment Bond, and Certificates of Insurance as required by Article Paragraphs 8.2 & 8.3 of the General Conditions within the same time.

We hereby declare that we have visited the site and have carefully examined the Contract Documents relating to the work covered by the above Bid or Bids.

Enclosed herewith is a certified or cashier's check or bid bond, payable to the Town of Quartzsite, Arizona, in the amount of ten percent (10%) of the total bid. This check or bond is submitted as a guarantee that we will enter into a Contract, and furnish the required bonds in the event a contract is awarded us. The bid security attached, without endorsement, is to become the property of the Town of Quartzsite, Arizona, in the event the Contract and Bonds are not executed within the time set forth, as a portion of the liquidated damages for delay and additional work caused thereby. (See Article 1.9)

We understand that the Town of Quartzsite, Arizona reserves the right to reject any and/or all bids, or to waive any informalities in any bid, deemed by them to be for the best interests of the Town of Quartzsite, Arizona.

Dated this ____ day of _____, 2016.

Respectfully Submitted By: _____ Title: _____

Name of Firm: _____

Address: _____

Phone: _____ Fax: _____ Email: _____

Arizona Contractor's License No. _____ Type _____

Seal - If bid by a Corporation:

ARTICLE 3 – BID SCHEDULE

3.0 BID SCHEDULE

CONTRACT FOR: Quartzsite Main Street High Intensity Activated Crosswalks – Project No.16-E-001

The undersigned Bidder, having examined and determined the scope of the Contract Documents, hereby proposes to perform the work described therein for the following unit prices or lump sum amounts.

Note: Bids shall include sales tax and all other applicable taxes and fees. All bids shall be checked for errors. If errors are made, unit prices shall govern and corrections will be made according to the unit price and totals will be revised to reflect the corrections. The Town of Quartzsite, Arizona reserves the right to select any and/or all items with or without alternatives or any combination of items and alternatives, deemed to be in the best interest of the Town of Quartzsite, Arizona.

MAIN STREET HIGH INTENSITY ACTIVATED CROSSWALKS AND APPURTENANCES, COMPLETE, BID ITEMS 1 THRU 11					
Bid Item	Quantity	Unit	Description	Unit Cost (\$/____)	Total Cost (\$_____)
1	1	Lump Sum	Traffic Control and Public Notifications		
2	1	Lump Sum	Mobilization, Installation/Removal of Temporary Elements, Pre/Post Cleaning		
3	1	Lump Sum	Stormwater Pollution Prevention Plan and Notice of Intent		
4	1	Lump Sum	Remove and Discard Existing Concrete Curb, Gutter, Sidewalk, Driveways, and Slabs		
5	9	Each	Remove Existing Signs and Posts		
6	5	Each	Install Signs, Sign Posts, Foundations, and Connections, Complete		

**MAIN STREET HIGH INTENSITY ACTIVATED CROSSWALKS AND APPURTENANCES,
COMPLETE, BID ITEMS 1 THRU 11**

Bid Item	Quantity	Unit	Description	Unit Cost (\$/____)	Total Cost (\$_____)
7	1	Lump Sum	Install Pavement Markings, complete		
8	4	Each	Install HAWK Poles, Pole Foundations, Masts, and connections, complete		
9	4	Each	Install HAWK Beacons, Lights, Electrical Cable/Conduit/Pull-box, Cabinets/Pedestals/Foundations, and Controls/Meters, complete		
10	233	Linear Feet	Ground Trenching, Excavation, and Backfill		
11	175	Linear Feet	Horizontal Ground Boring, complete		

<p>Quartzsite Main Street High Intensity Activated Crosswalks, and Appurtenances, complete</p> <p>TOTAL ALL PARTS BID AMOUNT (Items 1 – 11), TOTAL LUMP SUM</p>	<p>\$</p>
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Total Bid Amount (Items 1 through 11 above):

_____ (In Words), \$_____.00

Calendar Days Vendor requires to Complete Total Project: 100 Calendar days or less after Notice to Proceed.

This Proposal is submitted by _____,
a corporation organized under the laws of the State of _____, or a partnership consisting
of _____, or an individual trading as _____,
and is the holder of Arizona Contractor's License No. _____ Quartzsite Business
License No. _____. (Town License not required at time of Bid but must be obtained prior
to issuance of Notice to Proceed.)

Respectfully submitted,

Company Name

Signature of Authorized Person

Address

Printed Name

City State Zip

Title

Telephone

Telephone

Email

Fax

ARTICLE 4 – BID BOND

4.0 ARIZONA STATUTORY BID BOND.

PURSUANT TO TITLES 28, 34 AND 41, ARIZONA REVISED STATUTES
(Penalty of this bond must not be less than 10% of the bid amount)

KNOW ALL MEN BY THESE PRESENTS:

That _____ (hereinafter "Principal"), as Principal, and _____, (hereinafter "Surety"), a corporation organized and existing under the laws of the State of _____, with its principal offices in the City of _____, holding a certificate of authority to transact surety business in Arizona issued by the Director of the Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto the **Town of Quartzsite, Arizona**, (hereinafter "Obligee"), as Obligee, in the amount of Ten Percent (10%) of the amount of the bid of Principal, submitted by Principal to the Obligee for the work described below, for the payment of which sum, the Principal and Surety bind themselves, and their heirs, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid of \$_____ to furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of **Project No. 16-E-001** known as the **Quartzsite Main Street High Intensity Activated Crosswalks**.

NOW, THEREFORE, if the Obligee shall accept the proposal of the Principal and the Principal shall enter into a contract with the Obligee in accordance with the terms of the proposal and give the bonds and certificates of insurance as specified in the standard specifications with good and sufficient surety for the faithful performance of the contract and for the prompt payment of labor and materials furnished in the prosecution of the contract, or in the event of the failure of the Principal to enter into the contract and give the bonds and certificates of insurance, if the Principal pays to the Obligee the difference not to exceed the penalty of the bond between the amount specified in the proposal and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by the proposal then this obligation is void. Otherwise it remains in full force and effect provided, however, that this bond is executed pursuant to the provisions of Section §34-201, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of that section to the extent as if it were copied at length herein.

Witness our hands this _____ day of _____, 2016.

PRINCIPAL SEAL

SURETY SEAL

By: _____
Attorney-in-Fact

By: _____

Its: _____
Agency of Record

Agency Address

ARTICLE 5 – BIDDER’S STATEMENT OF QUALIFICATIONS

5.0 BIDDER’S STATEMENT OF QUALIFICATIONS

The Undersigned certifies the truth and correctness of all statements and of all answers to questions made hereinafter.

SUBMITTED TO: Town of Quartzsite
Attention: Town Clerk
465 North Plymouth Avenue
Quartzsite, Arizona, 85346

SUBMITTED BY: NAME: _____ Corporation Partnership
ADDRESS: _____ Individual Joint Venture

 Other
PRINCIPAL OFFICE: _____

(NOTE: Attach separate sheets as required)

How many years has your organization been in business as a Contractor? _____
How many years has your organization been in business under its present business name? _____

If a Corporation, answer the following:

Date of Incorporation: _____
Fed. Tax I.D. #: _____
State of Incorporation: _____
President: _____
Vice President(s): _____

Secretary: _____
Treasurer: _____

If a Partnership, answer the following:

Date of organization: _____
Type of Partnership: _____
(General/Limited/Assoc.)

Name and Address of all partners:

If other than a Corporation or Partnership, describe Organization and name Principals:

What percent of the work do you normally perform with your own forces? _____ List trades:

Has any Officer or Partner of your Organization ever been an Officer or Partner of another Organization that failed to complete a construction contract? _____

If so, state circumstances:

List major construction projects your Organization has under contract on this date:

Project Name	Name, Address & Telephone Number of Owner	Engineer	Contract Amount	Contract Date	Percent Complete	Scheduled Completion

List similar construction projects your Organization has completed in the past five years:

Project Name	Owner	Engineer	Contract Amount	Date Awarded	Date Completed	Percent with Own Forces

List the construction experience of the principal individuals in your Organization:

Individual's Name	Construction Experience – Years	Within Your Organization		
		Present Position & Years Experience	Dollar Volume Responsibility	Previous Position & Years Experience

Have you ever failed to complete any work awarded to you? If so, indicate when, where and why:

List states and categories in which your Organization is legally qualified to do business:

Bank References:

Trade References:

Name of Bonding and Insurance Companies and Name and Address of Agents: Maximum Bonding

Capacity _____

Is there any pending litigation by or against your organization or its officers? _____
If yes, please provide details:

Have you had any OSHA violation within the last 10 years by or against your organization or its officers? _____ If yes, please provide details:

Are there any judgments that have been entered by a court of competent jurisdiction against your organization or its officers during the last three years? If yes, please provide details: _____

6.0 AGREEMENT.

THIS AGREEMENT is made this _____ day of _____, 2016 by and between the Town of Quartzsite (hereinafter the “Owner”), and _____ (hereinafter the “Contractor”).

WITNESSETH THAT

WHEREAS, the Owner has developed conceptual plans for and desires to have constructed the Quartzsite Main Street High Intensity Activated Crosswalks; and

WHEREAS, Contractor represents that it possesses the experience, competence, equipment and financing to properly perform such work, and has formally proposed to do so, and to furnish all necessary labor, materials, and equipment and services therefore in accordance with said plans, and subject to the terms and conditions hereof.

NOW, THEREFORE, in consideration of these premises and the mutual covenants herein set forth, it is hereby agreed as follows:

1. The Contractor will commence and complete in its entirety the construction of the Quartzsite Main Street High Intensity Activated Crosswalks project.
2. The Contractor will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the project described herein.
3. The Contractor will commence the work required by the contract documents within ten (10) calendar days after the date of the Notice To Proceed and will complete the same as follows:

All work shall be completed within 100 calendar days or less after Notice to Proceed.

The period for completion may be extended by a properly executed Change Order approved by the Town.

4. Liquidated Damages: Owner and Contractor recognize that time is of the essence of this Agreement and that Owner will suffer financial loss if the project is not completed within the time specified in paragraph 3 above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal or arbitration proceeding the actual losses or damages (including special, indirect, consequential, incidental and any other losses or damages) suffered by Owner if a complete acceptable project is not delivered on time.

Accordingly, and instead of requiring proof of such losses or damages, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay to the Owner sums as defined in the Schedule of Liquidated Damages as provided in Article 1.15 per calendar day that expires after the time specified in paragraph 3 above for delivery of acceptable bid items, plus any costs incurred by the Engineer as provided in Article 8.8 of the General Conditions.

5. The Contractor agrees to perform all of the work described in the Contract Documents and comply with the terms therein for the sum of _____ as shown in the bid schedule.

6. The term "Contract Documents" means and includes the following:

- Invitation to Bid / Bid Documents
- Bid Proposal
- Bid Schedule
- Bid Bond
- Bidder's Statement of Qualifications
 - Non-Collusion Affidavit
- Agreement
 - Performance Bond
 - Payment Bond
- Notices
 - Notice of Award
 - Notice to Proceed
 - Certificate of Completion
- General Conditions
- Special Provisions
- Technical Specifications
- Construction Drawings
- Supplemental Specifications
- Change Order(s)
- Addenda: ____ - ____

7. The Owner will pay Contractor in the manner and at such times as set forth in the General Conditions such amounts as required by the Contract Documents.

8. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assignees.

PROJECT NO. 16-E-001

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement as approved by Town Council.

THE TOWN OF QUARTZSITE

By: _____ Date _____
Town Manager

CONTRACTOR:

By: _____ Date _____
Its: _____

APPROVAL OF DEPARTMENT DIRECTOR

By: _____ Date _____
Director of Public Works,

Mail all invoices to:
Town of Quartzsite
Finance Department
465 N. Plymouth Ave.
Quartzsite, AZ 85346
Phone: 928-927-4333 / Fax 928-927-4400

APPROVED BY TOWN COUNCIL on _____, 2016.

6.1 **ARIZONA STATUTORY PERFORMANCE BOND.**

PURSUANT TO TITLES 28, 34, AND 41, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT: _____
(hereinafter "Principal"), as Principal, and _____
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of _____
with its principal office in the City of _____, holding a certificate of authority to transact
surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article
1, as Surety, are held and firmly bound unto Town of Quartzsite, Arizona (hereinafter "Obligee") in the
amount of _____ Dollars (\$ _____), for the payment
whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors
and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the
_____ day of _____, 2016, to furnish all of the material, supplies, tools, equipment, labor and
other services necessary for the construction and completion of Quartzsite Main Street High Intensity
Activated Crosswalks project, which contract is hereby referred to and made a part hereof as fully and
to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal faithfully
performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the
contract during the original term of the contract and any extension of the contract, with or without
notice of the Surety, and during the life of any guarantee required under the contract, and also
performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of all duly
authorized modifications of the contract that may hereafter be made, notice of which modifications to
the Surety being hereby waived, the above obligation is void. Otherwise it remains in full force and
effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2,
Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance
with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if
it were copied at length in this agreement.

The prevailing party in a suit on this bond may recover as part of the judgment reasonable attorney
fees that may be fixed by a judge of the court.

Witness our hands this _____ day of _____, 2016.

PRINCIPAL SEAL

AGENCY OF RECORD BY: _____

AGENCY ADDRESS SURETY SEAL

BY: _____

6.2 **ARIZONA STATUTORY PAYMENT BOND.**

PURSUANT TO TITLES 28, 34, AND 41, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT: _____
(hereinafter "Principal"), as Principal, and _____
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of _____
with its principal office in the City of _____, holding a certificate of authority to transact
surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2,
Article 1, as Surety, are held and firmly bound unto Town of Quartzsite, Arizona (hereinafter
"Obligee") in the amount of _____ Dollars (\$ _____),
for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators,
executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the
_____ day of _____, 2016, to furnish all of the material, supplies, tools, equipment, labor and
other services necessary for the construction and completion of Quartzsite Main Street High Intensity
Activated Crosswalks project, which contract is hereby referred to and made a part hereof as fully and
to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal promptly
pays all monies due to all persons supplying labor or materials to the Principal or the Principal's
subcontractors in the prosecution of the work provided for in the contract, this obligation is void.
Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2,
Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance
with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised
Statutes, to the same extent as if it were copied at length in this agreement.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney
fees that may be fixed by a judge of the court.

Witness our hands this _____ day of _____, 2016.

PRINCIPAL SEAL

AGENCY OF RECORD BY: _____

AGENCY ADDRESS SURETY SEAL

BY: _____

ARTICLE 7- NOTICES

7.0 **NOTICE OF AWARD.**

Date: _____

To: _____

PROJECT DESCRIPTION: Quartzsite Main Street High Intensity Activated Crosswalks, Project No. 16-E-001

The Owner has considered the bid submitted by you, dated _____, in response to its Advertisement for Bids and Invitation to Bid for the above described work.

You are hereby notified that your bid has been accepted for items in the amount of \$_____.

You are required by the Invitation to Bid to execute the Agreement and furnish the required Contractor's Performance Bond, Payment Bond, and Certificates of General Liability & Property Insurance, Automobile, and Workers' Compensation Insurance within ten (10) calendar days from the date of this notice. You are also required to furnish proof of a current Town of Quartzsite Business License.

If you fail to execute said Agreement and to furnish said bonds, insurance certificates and executed Agreement within ten (10) calendar days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your bid as abandoned and as a forfeiture of your bid bond. The Owner will be entitled to such other rights as may be granted by law.

You are required to return all documents and an acknowledged copy of this NOTICE OF AWARD to the Owner at:

Town of Quartzsite
Attention: Town Clerk
465 N. Plymouth Ave.
Quartzsite, AZ 85346

By: _____
Project Manager

Dated this ____ day of _____, 2016

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged this ____ day of _____, 2016.

Contractor: _____

Signature: _____

Printed Name: _____

Title: _____

7.1 **NOTICE TO PROCEED.**

Date: _____

To: _____

RE: TOWN OF QUARTZSITE BID for the **Quartzsite Main Street High Intensity Activated Crosswalks, Project No. 16-E-001.**

You are hereby notified to commence work on the project in accordance with the Agreement dated _____, 2016, within ten (10) calendar days of the date of this Notice to Proceed, which is the effective date of the notice for the project, and you are to complete the work within _____ (__) calendar days or less after Notice to Proceed. The date for completion of the work is therefore _____, 2016.

OWNER: Town of Quartzsite

By: _____
Project Manager

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged this __ day of _____, 2016.

Contractor: _____

Signature: _____

Printed Name: _____

Title: _____

Note: The Contractor shall return a signed copy of this NOTICE TO PROCEED to the Owner at:

Town of Quartzsite
Attention: Town Clerk
465 N. Plymouth Ave.
Quartzsite, AZ 85346

7.2 **CERTIFICATE OF COMPLETION.**

I hereby state that all goods and/or services required by the **TOWN OF QUARTZSITE for the Quartzsite Main Street High Intensity Activated Crosswalks** project has been delivered in substantial conformance with the contract, and all activities required by the Contractor under the contract have been completed as of _____ (date).

Reference: Contractor's Certification of Proper Construction Completion, of _____ (date).

TOWN OF QUARTZSITE

By: _____
Project Manager

Name: _____

Title: _____

ACCEPTANCE OF NOTICE

(NOTE: The Contractor shall return a signed copy of this Notice to the Owner)

Receipt of the above **CERTIFICATE OF COMPLETION** is hereby acknowledged this _____ day of _____, 2017.

Contractor: _____

Signature: _____

Printed Name: _____

Title: _____

Note: The Contractor shall return a signed copy of this NOTICE TO PROCEED to the Owner.

ARTICLE 8 - GENERAL CONDITIONS

- 8.0 General Conditions This section of the contract documents is pre-printed. Any modifications to the following standards, or referenced standards, as may be required for this project, are made in the Special Provisions.
- 8.1 Standard Specifications This project has been designed, and shall be constructed, using the 2015 Maricopa Association of Governments (MAG) Uniform Standard Specifications & Uniform Standard Details for Public Works Construction, including revisions through 2015, unless specifically noted otherwise.
- 8.2 Insurance The Contractor shall purchase and maintain such insurance as will protect him from claims set forth below which may arise out of or result from the Contractor's execution of the work, whether such execution be by himself or by any subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:
- A. Claims under workmen's compensation, disability benefit and other similar employee benefit acts;
 - B. Claims for damages because of bodily injury, occupational sickness or disease, or death of his employees;
 - C. Claims for damages because of bodily injury, sickness or disease, or death of any person other than his employees;
 - D. Claims for damages insured by usual personal injury liability coverage which are sustained (1) by any person as a result of an offense directly or indirectly related to the employment of such person by the Contractor, or (2) by any other person; and
 - E. Claims for damages because of injury to or destruction of tangible property, including loss of use resulting there from.

Certificates of Insurance acceptable to the Owner shall be filed with the Owner prior to commencement of the work. These Certificates shall contain a provision that coverage's afforded under the policies will not be canceled, reduced, discontinued, or otherwise materially altered during the period of performance without thirty (30) calendar days prior Written Notice has been given to the Owner.

The Contractor shall procure and maintain, at his own expense, during the contract time, liability insurance with an Insurance Carrier with an A.M. Best rating of no less than "A" and as hereinafter specified:

- A. Contractor's General Public Liability and Property Damage Insurance including vehicle coverage issued to the Contractor and protecting him from all claims for personal injury, including death, and all claims for destruction of or damage to property, arising out of or in connection with any operations under the contract documents, whether such operations be by himself or by any subcontractor under him, or anyone directly or indirectly employed by the Contractor or by a subcontractor under him. Insurance shall be written with a limit of liability to include primary and excess coverage in an amount not less than \$2,000,000 for all damages arising out of bodily injury, including death, at any time resulting there from, sustained by any one person in any one accident; and a limit of liability of not less than \$1,000,000 aggregate for any such damages sustained by two or more persons in any one accident. Insurance shall be written with a limit of liability of not less than \$500,000 for all property damage sustained by any one person in any one accident; and a limit of liability of not less than \$500,000 aggregate for any such damage sustained by two or more persons in any one accident.

- B. The Contractor shall acquire and maintain, if applicable, Fire and Extended Coverage insurance upon the project to the full insurable value thereof for the benefit of the Owner, the Contractor, and subcontractors as their interest may appear. This provision shall in no way release the Contractor or Contractor's Surety from obligations under the contract documents to fully complete the project.

The Contractor shall procure and maintain, at his own expense, during the contract time, in accordance with the provisions of the laws of the state in which the work is performed, Workmen's Compensation Insurance, including occupational disease provisions, for all of his employees at the site of the project and in case any work is sublet, the Contractor shall require such subcontractor similarly to provide Workmen's Compensation Insurance, including occupational disease provisions for all of the latter's employees unless such employees are covered by the protection afforded by the Contractor. In case any class of employees engaged in hazardous WORK under this contract at the site of the project is not protected under Workmen's Compensation statute, the Contractor shall provide, and shall cause each subcontractor to provide, adequate and suitable insurance for the protection of his employees not otherwise protected.

The Contractor shall secure All Risk type Builder's Risk Insurance for work to be performed. Unless specifically authorized by the Owner, the amount of such insurance shall not be less than the contract price totaled in the bid. The policy shall cover not less than the losses due to fire, explosion, hail, lightning, vandalism, malicious mischief, wind, collapse, riot, aircraft, and smoke during the contract time, and until the work is accepted by the Owner. The policy shall name as the insured the Contractor, the Engineer, and the Owner. The Town of Quartzsite and the Engineer shall be additional insureds.

- 8.3 Contract Security The Contractor shall within ten (10) calendar days after the receipt of the Notice Of Award furnish the Owner with a Performance Bond and a Payment Bond in sums equal to the amount of the contract price, conditioned upon the performance by the Contractor of all undertakings, covenants, terms, conditions and agreements of the contract documents, and upon the prompt payment by the Contractor to all persons supplying labor and materials in the prosecution of the work provided by the contract documents. Such bonds shall be executed by the Contractor and a corporate bonding company licensed to transact such business in the State of Arizona and said company issuing such bonds shall possess, at a minimum, a "A" rating based upon the most recent issue of the *Bests Insurance Guide*. The expense of these bonds shall be borne by the Contractor. If at any time a surety on any such bond is declared a bankrupt or loses its right to do business in the state in which the work is to be performed or is removed from the list of Surety Companies accepted on Federal Bonds, Contractor shall within ten (10) calendar days after notice from the Owner to do so, substitute an acceptable bond (or bonds) in such form and sum and signed by such other surety or sureties as may be satisfactory to the Owner. The premiums on such bond shall be paid by the Contractor. No further payments shall be deemed due nor shall be made until the new surety or sureties shall have furnished an acceptable bond to the Owner.

- 8.4 Assignments Neither the Contractor nor the Owner shall sell, transfer, assign or otherwise dispose of the Contract or any portion thereof, or of his right, title or interest therein, or his obligations there under, without written consent of the other party. Nor shall the Contractor assign any monies due or to become due to him hereunder without the previous written consent of the Owner.

The Owner and Contractor each bind himself, his partners, successors and assigns and legal representatives to the other party hereto and to the partners, successors, assigns and legal representatives of such other party in respect to all covenants, agreements and obligations contained in the contract documents.

- 8.5 Separate Contracts The Owner reserves the right to let other contracts in connection with this project. The Contractor shall afford other Contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate his work

with theirs. If the proper execution or results of any part of the Contractor's work depends upon the work of any other Contractor, the Contractor shall inspect and promptly report to the Engineer any defects in such work that render it unsuitable for such proper execution and results.

The Owner may perform additional work related to the project by himself, or he may let other contracts containing provisions similar to these. The Contractor shall afford the other Contractors who are parties to such Contracts (or the Owner, if he is performing the additional work himself), reasonable opportunity for the introduction and storage of materials and equipment and the execution of work, and shall properly connect and coordinate his work with theirs.

If the performance of additional work by other Contractors or the Owner is not noted in the contract documents prior to the execution of the contract, written notice thereof shall be given to the Contractor prior to starting any such additional work. If the Contractor believes that the performance of such additional work by the Owner or others involves him in additional expense or entitles him to an extension of the contract time, he may make a claim therefore as provided in Articles 8.8 and 8.9.

8.6 Guarantee Except as otherwise specified, all work shall be guaranteed by the Contractor, including the work performed by his subcontractors, against defects resulting from the use of inferior materials, equipment, or workmanship for a period of two (2) years from the date the Notice of Completion is issued by the Owner, or within such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the contract documents.

If, within any guarantee period, repairs or changes are required in connection with guaranteed work, which, in the opinion of the Owner, is rendered necessary as the result of the use of materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the Contract, the Contractor shall, promptly upon receipt of notice from the Owner, and without expense, (1) place in satisfactory condition in every particular all of such guaranteed work, correcting all defects therein; (2) make good all damage to the building, site or work, or equipment or contents thereof, which in the opinion of the Owner, is the result of the use of materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the contract; and (3) make good any work or material, or the equipment and contents of said building, site or work disturbed in fulfilling any such guarantee. If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the Owner may have the defects corrected and the Contractor and his surety shall be liable for all expense incurred. The performance bond shall remain in full force and effect through the guarantee period.

A. GUARANTEE

The Contractor agrees to execute a written guarantee to the Owner, in substantially the following form:

GUARANTEE FOR _____

We hereby guarantee that the improvement which we have installed, including the work of our subcontractors, for the Owner of project, specifically described as:

Quartzsite Main Street High Intensity Activated Crosswalks, Project No. 16-E-001

has been done in accordance with the Contract Drawings and Specifications.

We agree to repair and replace any or all Work included in said improvement, together with any other adjacent work which may be displaced or damaged by so doing, that may prove to be defective in its workmanship or material within a period of one year from date of acceptance of the above mentioned improvement by the Engineer on behalf of the Owner, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of our failure to comply with the above mentioned conditions within a reasonable period of time (as determined by the Owner) after being notified in writing by the Owner, we do hereby authorize the Owner to proceed to have said defects repaired and made good at our expense, and we will honor and pay the costs and charges therefore upon demand.

Signed _____
(Prime Contractor)

Local Representative to be contacted for service:

Name: _____

Address: _____

Phone _____ Email _____

The guarantee form(s) shall be completed and returned with the acknowledgment of the Certificate of Completion.

The failure of the Contractor to execute, such guarantee shall not affect the right of the Owner to rely on and enforce the guarantee and the obligations respectively assumed by the Contractor under Subparagraph 8.76 hereof.

- 8.7 Subcontracting The Contractor may utilize the services of specialty subcontractors on those parts of the work which come under normal contracting practices or are typically performed by specialty subcontractors, provided the Contractor, as soon as practical after the award of the contract, shall furnish to the Owner and the Engineer in writing the names of the persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each of the principal portions of the work, together with their Arizona Contractors License Numbers. The Engineer will promptly reply to the Contractor in writing stating whether or not the Owner or the Engineer, after due investigation, has reasonable objection to any such proposed person or entity. Failure of the Owner or Engineer to promptly reply shall constitute notice of no reasonable objection. The Contractor shall not contract with any such proposed person or entity to whom the Owner or Engineer has made reasonable objection and the Contractor shall not be required to contract with anyone to whom he has a reasonable objection. If the Owner or Engineer has a reasonable objection to any proposed person or entity, the Contractor shall submit a substitute to whom the Owner or the Engineer has no reasonable objection. The Contractor shall make no substitution for any subcontractor, person or entity previously selected if the Owner or Engineer makes reasonable objection to such substitution.

The Contractor shall not award work to subcontractors, in excess of forty-nine (49%) percent of the contract price, without prior written approval of the Owner.

The Contractor shall be fully responsible to the Owner for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

The Contractor shall not employ any subcontractors that are not properly licensed with The Town of Quartzsite and the State of Arizona. Changes of subcontractors listed with the proposal shall be made only with the approval of the Owner.

Nothing contained in these contract documents shall be construed as creating any contractual relationship between any subcontractor and the Owner; the Contractor shall be as fully responsible to

the Owner for the acts and omissions of subcontractors, and of persons employed by them, as he is for the acts and omissions of persons directly employed by him.

The Contractor shall, without additional expense to the Owner, utilize the services of specialty subcontractors on those parts of the work which are specified or required by State or local laws to be performed by specialty subcontractors.

The Contractor shall be responsible for the coordination of all trades, subcontractors, material and people engaged upon this work. The Owner will not undertake to settle any differences between the Contractor and his subcontractors or between subcontractors.

The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the work to bind subcontractors to the Contractor by the terms of the contract documents insofar as applicable to the work of subcontractors and to give the Contractor the same power as regards terminating any subcontract that the Owner may exercise over the Contractor under any provision of the contract documents.

Nothing contained in this contract shall create any contractual relation between any subcontractor and the Owner.

8.8 Time for Completion and Liquidated Damages The date of beginning and the time for completion of the work are essential conditions of the contract documents and the work embraced shall be commenced on a date specified in the Notice To Proceed.

The Contractor shall proceed with the work at such rate of progress to insure full completion within the contract time. It is expressly understood and agreed, by and between the Contractor and the Owner, that the contract time for the completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.

The Contractor shall only work an eight (8) hour day during normal regular hours, which will consist of Monday through Friday, 6:00 a.m. to 6:00 p.m., and do not include local municipal holidays. If the Contractor desires to carry on work more than eight (8) hours each day, or work at night or outside the normal regular hours, he shall give timely notice (72 hours) to the Engineer and receive the Owner's written approval to allow satisfactory arrangements to be made for inspecting the work in progress. Should the prosecution of the work be discontinued for any reason, the Contractor shall notify the Engineer at least 24 hours in advance of resuming operations. The Contractor shall be responsible for any extra compensation due or costs incurred as a result of Contractor's desire to carry out work beyond an eight (8) hour day, or at night or outside normal regular hours, including but not limited to, any additional costs or compensation due the Engineer and Owner or his employees or agents as a result of having to be present at the site. The costs or extra compensation necessitated by the Contractor's work beyond an eight (8) hour day, or at night or outside normal regular business hours may be deducted or withheld from progress payment or any other payments due to Contractor.

If for any reason a suspension of the work should occur; the Contractor, at his own expense, shall do all the work necessary to provide a safe, smooth and unobstructed passageway through construction for use by public traffic or to provide for the proper and efficient operation of sewer, drainage and other facilities within the site of the work, during the period of such suspension. In the event that the Contractor fails to perform the work specified in this Subsection, the Owner will perform such work and the cost thereof will be deducted from periodic progress payments due the Contractor.

During inclement weather and other conditions, the Contractor shall pursue only such portions of the work as shall not be damaged thereby. No portions of the work whose satisfactory quality or efficiency will be affected by an unfavorable condition shall be constructed while these conditions remain, unless by special means or precautions, approved by the Engineer, the Contractor is able to overcome them.

Delays in delivery of equipment or material purchased by the Contractor or his subcontractor, including engineer-selected equipment, shall not be considered as a just cause for delay as this is not beyond the control of the Contractor. The Contractor shall be fully responsible for the timely ordering, scheduling, expediting, delivery, and installation of all equipment and materials.

In case of failure on the part of the Contractor to complete his contract within the time provided in the contract, or such written extension thereof as may be agreed upon by Owner, the contract may be terminated by written notice given by the Owner.

In the event the contract should be terminated, the Owner shall have the right to take over the work and to proceed with the same until it is completed, either by performing said work itself directly or by contracting it out to some other person or persons, and in such event the Owner may take possession of and utilize, in completing the work, such materials, appliances and plant as may be on the site of the work and necessary for its completion. Nothing herein contained shall be deemed to limit the right of the Owner in the event of any breach of Contract by the Contractor; but all rights herein given to the Owner are and shall be deemed to be additional to any other rights or remedies which the Owner shall have under any provision of law.

Should the Contractor fail to complete the work, or any part thereof, in the time agreed upon in the contract or within such extra time as may have been allowed for delays by extensions granted as provided in the contract, the Contractor shall reimburse the Owner for the additional expense and damage for each calendar day that the contract remains uncompleted after the contract completion date. It is agreed that the amount of such additional expense and damage incurred by reason of failure to complete the work is the per diem rate, as stipulated in Article 1.15, TIME OF COMPLETION AND LIQUIDATED DAMAGES, plus any costs incurred by the Engineer including, but not limited to: the Engineer's costs for additional inspection, testing or surveying as a result of the Contractor's failure to complete the work in the time agreed upon. The said amounts are hereby agreed upon as liquidated damages for the loss to the Owner on account of expense due to the employment of engineers, inspectors, and other employees after the expiration of the time of completion, and on account of the value of the operation of the works dependent thereon. It is expressly understood and agreed that this amount is not to be considered in the nature of a penalty, but as liquidated damages, which have accrued against the Contractor. The Owner shall have the right to deduct such damages from any amount due, or that may become due the Contractor, or the amount of such damages shall be due and collectible from the Contractor or his Surety.

The Contractor shall not be charged with liquidated damages or any excess costs when the delay in completion of the work is due to one or more of the following: acts of God; acts of the Owner; acts of another Contractor in the performance of a separate contract with the Owner; fire, flood, epidemics, or quarantine restrictions; strikes or freight embargoes; and, extraordinary weather conditions. Written Notice of a delay must be submitted to the Engineer for approval within three (3) calendar days of the occurrence. In the event notice is not given as provided, liquidated damages may be assessed.

8.9 Changes in the Work The Owner may at any time, as the need arises, order changes within the scope of the work without invalidating the agreement. If such changes increase or decrease the amounts due to Contractor under the contract documents, or results in changes in the time required for performance of the work, such adjustment shall be authorized by a written change order approved by the Owner.

The Owner may, at any time, by issuing a change order, make changes in the plans, specifications or other details of the work. Contractor shall proceed with the performance of any changes in the work so ordered by the Owner, unless the Contractor believes that such change order entitles him to a change in the contract price or time, or both, in which event he shall give the Engineer written notice thereof within seven (7) calendar days after the receipt of the ordered change. The Contractor shall justify the basis for the change in contract price or time through written documentation submitted to Engineer within fourteen (14) calendar days after Contractor's receipt of the change order. Contractor shall not execute any changes in the work until and unless Contractor has received an executed change order approved by the Owner.

If the Contractor wishes to make a claim for an increase in the contract price, he shall give the Engineer written notice thereof within fourteen (14) calendar days after the occurrence of the event-giving rise to such claim. This notice shall be given by the Contractor before proceeding to execute the work, except in an emergency endangering life or property, in which case Contractor shall proceed in accordance with the provisions of the contract. No such claim shall be valid, unless made by Contractor in accordance with the provisions of the contract. Any change in the contract price resulting from such claim shall be authorized in a written change order approved by Owner.

The value of any work covered by a change order shall be determined by one or more of the following methods in the order of precedence listed below:

- A. Unit prices previously approved.
- B. An agreed lump sum.
- C. Cost plus percentage.

8.10 Conflicts within the Plans or Specifications In the event that a conflict is discovered between sections of the Specifications or between the Plans and the Specifications, the following list of priority shall be used to resolve the conflict:

- 1. Agreement
- 2. Addenda
- 3. Special Provisions
- 4. Improvement Plans
- 5. Standard Details
- 6. Standard Specifications

8.11 Hazard Communication Program All contractors working on Town projects shall submit a copy of their hazard communication plan to the jurisdictional Fire Suppression Office and the Town's designated Risk Management Lead prior to commencement of work on any project. Included shall be a list of the hazardous substances and the material safety data sheets that are applicable to the work areas. This will ensure that other individuals on the job site are not unknowingly exposed to a hazardous substance or chemical.

8.12 Immigration Law Compliance Warranty As required by A.R.S. § 41-4401, Contractor hereby warrants its compliance with all federal immigration laws and regulations that relate to its employees and A.R.S. § 23-214(A). Contractor further warrants that after hiring an employee, Contractor verifies the employment eligibility of the employee through the E-Verify program. If Contractor uses any subcontractors in performance of the Work, subcontractors shall warrant their compliance with all federal immigration laws and regulations that relate to its employees and A.R.S. § 23-214(A), and subcontractors shall further warrant that after hiring an employee, such subcontractor verifies the employment eligibility of the employee through the E-Verify program. A breach of this warranty shall be deemed a material breach of the Contract that is subject to penalties up to and including termination of the Contract.

8.13 Israel Boycott Contractor/Consultant certifies that it is not currently engaged in, and agrees for the duration of this Agreement that it will not engage in, a boycott of Israel, as that term is defined in Ariz. Rev. Stat. § 35-393.

ARTICLE 9 – SPECIAL PROVISIONS

Quartzsite Main Street High Intensity Activated Crosswalks, Project 16-E-001

This project has been designed, and shall be constructed, using the 2015 Maricopa Association of Governments (MAG) Uniform Standard Specifications & Uniform Standard Details for Public Works Construction, including revisions through 2015, unless specifically noted otherwise.

Following are Special Provisions that supplement and modify Article 8, GENERAL CONDITIONS.

Body Pages 1 through 17, inclusive; Appendix A Pages 1 through 44, inclusive

Prepared by: Scott M. Kelley

AZ Civil Engineer: Number 48269

Seal Date: 10/7/16



Main Street
High Intensity Activated Crosswalks (HAWKs)

Main St/McDonald's Drwy
Main St/Palo Verde Ave

SPECIAL PROVISIONS

PREPARED FOR
TOWN OF QUARTZSITE
580 E Quail Trail | PO Box 2812
Quartzsite, AZ 85346

PREPARED BY
Amec Foster Wheeler Environment and Infrastructure, Inc.
4600 E Washington St., Suite 600
Phoenix, AZ 85034
(602) 733-6000



EXPIRES: 09/30/2017

This project has been designed, and shall be constructed, using the 2015 Maricopa Association of Governments (MAG) Uniform Standard Specifications & Uniform Standard Details for Public Works Construction, including revisions through 2015, unless specifically noted otherwise.

GENERAL CONDITIONS

General Conditions of the MAG Uniform Standard Specifications shall apply, except as noted below.

101 ABBREVIATIONS AND DEFINITIONS

101.1 ABBREVIATIONS: Section 101.1 of the MAG Uniform Standard Specifications shall apply, except add the following:

AGC Associated General Contractors of America, Inc.
APHA American Public Health Association
NIC Not in Contract

101.2 DEFINITIONS: Section 101.2 of the MAG Uniform Standard Specifications shall apply, except add the following:

ADDENDA: Written or graphic instruments issued prior to the execution of the Agreement which modify or interpret the Contract Documents, Drawings and Specifications, by additions, deletions, clarifications or corrections.

BID: The offer or proposal of the bidder submitted on the prescribed form setting forth the prices for the work to be performed.

BIDDER: Any qualified individual, firm partnership, corporation or combination thereof, acting directly or through a duly authorized agent submitting a bid for the work.

BONDS: Bid, Performance and Labor or Material Payment Bonds and other instruments of security furnished by the Contractor and his surety in accordance with the contract documents.

CONTRACT PRICE: The total monies payable to the Contractor under the terms and conditions of the Contract Documents.

CONTRACT TIME: The number of calendar days stated in the Contract Documents for the completion of the work.

DESIGN ENGINEER: The person, firm or corporation named as such in the contract documents and licensed to perform such services in the State of Arizona.

ENGINEER: The authorized representative of the Owner who is assigned to the project site or any part thereof.

FIELD ORDER: A written order effecting a change in the work not involving an adjustment in the contract price or an extension of the contract time, issued by the

Engineer to the contractor during construction.

SUBSTANTIAL COMPLETION: The date as certified by the engineer when the construction project or a specified part thereof is sufficiently completed, in accordance with the contract documents, so that the project or specified part can be utilized for the purposes for which it is intended.

SUPPLIER: An individual, firm or corporation having a direct contract with the Contractor or with any subcontractor for the manufacture or furnishing of any part of the supplies and/or materials to be used at or incorporated in part of the work at the site.

WRITTEN NOTICE: Any written notice from one party of the agreement to any other party of the agreement relative to any part of the contract documents, which notice shall be deemed to have been properly served and delivered when posted by the sending party by Certified or Registered Mail to the receiving party at the receiving party's last given address or when delivered in person to the receiving party or to his or its authorized representative.

105 CONTROL OF WORK

Section 105 of the MAG Uniform Standard Specifications shall apply, except add the following:

105.4 COORDINATION OF PLANS AND SPECIFICATIONS:

All elements of Contract Documents and project specifications are intended to be complementary. However, in case of conflict, the governing order shall be:

1. Agreement
2. Addenda
3. Special Provisions
4. Improvement Plans
5. Standard Details
6. Standard Specifications

105.8.3.1 GENERAL:

Prior to beginning any survey operations, the Contractor shall furnish to the Engineer, for approval, a written outline detailing the method of staking, marking of stakes, grade control for various courses of materials, referencing, structure control and any other procedures and controls necessary for survey completion.

Control points shall be located on centerline at the beginning and ending of the project and at all points of curve (P.C.), points of tangent (P.T.), tangents to spiral (T.S.), spirals to tangent (S.T.) and angle points. On long tangents, additional points will be provided for continuity of line.

Any established initial right-of-way monuments and section corners shall be protected in place and re-established by the Contractor, at no additional cost to the Owner, if disturbed.

Throughout the work, the Contractor shall set all stakes including centerline stakes; offset stakes; reference point stakes; slope stakes; pavement lines and grade stakes; roadway drainage, clearing, survey monuments and culverts; blue tops for subgrade, sub-base and base courses; supplemental bench marks; permanent as-built elevation marks; and all other horizontal or vertical controls necessary for complete and accurate layout and construction of the work. Regardless of the staking method, construction stakes shall be marked in such a manner that all construction personnel can easily identify the stake location, elevation and other appropriate information. The coordinates of any new control points established by the Contractor during the course of the work shall be given to the Engineer within five working days of control point establishment.

If errors are discovered during the verification process and control points do not agree with the geometrics shown in the plans, the Contractor shall promptly notify the Engineer in writing and explain the problem in detail. The Engineer will advise the Contractor within five working days of any corrective actions which may be deemed necessary.

The Contractor shall be responsible for the proper layout and accuracy of all property markers which are required by the project plans.

Structure sites shall be accurately profiled and cross-sectioned and structure control points shall be set and checked to assure the proper construction or installation of each structure. Profiles shall be approved by the Engineer prior to constructing or installing each structure. All profile survey data shall be entered in furnished field books and preserved as a permanent project record.

The Contractor shall exercise care in the preservation of stakes, references and bench marks and shall reset them when any are damaged, lost, displaced or removed.

On all projects, the centerline layout for the final surface course shall be established by instrument survey by the Contractor and shall serve as marks for permanent traffic centerline striping. On projects requiring Contractor striping, points at 50-foot intervals shall be set for each traffic lane, crossroad, or any other area where striping will be required.

On projects where traffic is being carried through the work zone, pavements shall be marked for traffic centerline delineation before the end of each work shift. Temporary pavement markings shall conform to the requirements set forth under Section 461 of these Technical Specifications and any subsequent modifications thereto.

Any discrepancies in grade, alignment, earthwork quantities, locations or dimensions detected by the Contractor shall immediately be brought to the attention of the Engineer. No changes in the project plans will be allowed without the approval of the Engineer.

The Town reserves the right to make inspections and random checks of any portion of the staking and layout work. If, in the Engineer's opinion, the work is not being performed in a manner that will assure proper controls and accuracy, the Engineer will order any or all of the staking and layout work redone at no additional cost to the Owner.

If any portion of the Contractor's staking and layout work is ordered redone, resulting in additional rechecking by the Owner, the Owner shall be reimbursed for all costs for such additional checking. The amount of such costs will be deducted from the Contractor's monthly estimate.

Inspection of the Contractor's layout by the Engineer and the acceptance of all or any part of it shall not relieve the Contractor of its responsibility to secure the proper dimensions, grades and elevations of the several parts of the work.

105.8.4 MEASUREMENT AND PAYMENT:

There will be no separate measurement or payment for survey markers to be installed as shown on the plans or for the reestablishment of existing survey markers or for the additional Monumentation as required by these specifications or for the additional work as stipulated in these specifications.

Measurement and payment for construction staking and as-builts as required shall be on a lump sum basis for:

105-01 AS-BUILTS

107 **LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC**

Section 107 of the MAG Uniform Standard Specifications shall apply, except add the following:

ITEM 107-02 A.Z.P.D.E.S.

STORM WATER POLLUTION PREVENTION PLAN AND A.Z.P.D.E.S. PERMIT

This project is subject to Arizona Pollutant Discharge Elimination System (A.Z.P.D.E.S.) requirements under the E.P.A. General Permit for Arizona. Under provisions of that permit, the contractor shall be designated as co-permit tee (with the Owner), and shall be responsible for providing necessary materials; for taking appropriate measures to ensure removal of at least 80 percent of the additional sediment generated in storm water runoff from the project (relative to pre-project sediment levels); and for completing the following documents.

If this project site is located within 1/4 mile of listed [**impaired or unique**] water and shall comply with the special requirements for Discharging into Impaired or Unique Receiving Waters. The Storm Water Pollution Prevention Plan (S.W.P.P.P.) must be submitted with the Notice of Intent

(N.O.I.). Within 32 business days of receipt, Arizona Department of Environmental Quality (ADEQ) will notify the operator whether:

1. it is acceptable to proceed under the general permit;
2. the SWPPP needs revisions; or
3. there is cause for eligibility denial. If notification is not received in this time-frame, the operator may assume coverage under this permit.

To prevent potential permitting delays, the Contractor is encouraged to prepare and submit the N.O.I. and S.W.P.P.P. to ADEQ upon receipt of the proposal acceptance letter from Maricopa County Department of Transportation. “Minimum Stormwater Control Measures for Construction Projects Adjacent to Impaired or Unique Waters” is included as an Appendix to these Special Provisions. Additional information may be obtained from the ADEQ website:

<http://www.ev.state.az.us/environ/water/permits/stormwater.html>

- Storm Water Pollution Prevention Plan (S.W.P.P.P.) for the project, including a certification-of-compliance form.
- Notice of Intent (N.O.I.) to be covered by A.Z.P.D.E.S. General Permit for Arizona, including certification of signature.
- Notice of Termination (N.O.T.) of coverage under A.Z.P.D.E.S. General Permit (upon project completion).

All subcontractors shall comply with all A.Z.P.D.E.S. requirements under the supervision of the General Contractor, and shall submit a completed, signed subcontractor certification form, thereby designating themselves as co-permittees. A draft framework for the S.W.P.P.P. will be enclosed in this Project Specification book. Contingency bid items likely to be necessary to carry out the S.W.P.P.P. and will be included in the bid proposal. The Contractor will be expected to review this framework S.W.P.P.P. and update/revise it as necessary throughout the construction of the project, in order to ensure compliance with the E.P.A. permit requirements. Revisions to the S.W.P.P.P. requiring use of the contingency bid items, or any other additional items, shall be subject to approval by the Owner prior to implementation. The S.W.P.P.P. shall be kept at the project site at all times, and the final S.W.P.P.P. shall be retained by the Contractor for three years following project completion and final acceptance.

The Contractor shall submit a completed, signed N.O.I. form (including signed subcontractor certification forms) to the Street Transportation Department, DCM Division, no later than the Preconstruction meeting for distribution to the Owner’s NPDES Coordinator. The Owner will attach these forms to its own completed N.O.I. form, and submit the package to E.P.A. at least 48 hours prior to the proposed Notice to Proceed date. The NPDES Coordinator will send copies of the final submittal for distribution to the Contractor, the Engineering Department Environmental Manager, Development Services Department, and the Arizona Department of Environmental Quality (ADEQ) Storm Water Coordinator.

Failure by the Contractor (or any applicable subcontractors) to submit the N.O.I. forms and certifications by the time of the Preconstruction meeting, or to promptly make revisions to those

forms as requested by the Owner, which leads to delays in meeting E.P.A. requirements will result in delay of the start of construction. The Contractor will not be entitled to any additional compensation for costs resulting from such delay of the construction start date. The N.O.I shall be posted at the construction site along with the S.W.P.P.P. No construction activities shall begin until all applicable storm water pollution control devices are in place. Any additional work caused by the Contractor's (or subcontractor's) failure to properly implement the S.W.P.P.P. will not be compensated. The Contractor shall keep a copy of the latest STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES as printed in the Federal Register at the job site at all times. A copy of this information will be provided to the Contractor at the Pre Construction Conference. In addition, the Contractor shall keep a copy of the STORM WATER BASELINE CONSTRUCTION GENERAL PERMIT COVERAGE NOTICE received from the EPA (after submittal of the N.O.T.) at the job site at all times.

All S.W.P.P.P. reports required under this contract shall be available to the public in accordance with the requirements of Section 308 (b) of the Clean Water Act. The Contractor shall make plans available to the public upon request through the EPA.

No conditions of the Arizona General Permit or the S.W.P.P.P. shall release the Contractor from any responsibilities or requirements under other environmental statutes or regulations. Asphalt plant and concrete plants (including mobile plants) require separate A.Z.P.D.E.S. industrial permits.

Upon completion and acceptance of the work performed by a subcontractor co-permittee, either the Contractor or other subcontractors shall absolve such subcontractor of any involvement in, or responsibility for, any subsequent A.Z.P.D.E.S. violations on the project. Upon total project completion, acceptance, and de-mobilization, the Contractor shall submit a completed, signed N.O. T. form to the Owner's A.Z.P.D.E.S. Coordinator. The Owner's AZPDES Coordinator will attach a Owner N.O. T. form, and submit the final package to the EPA, ADEQ, and the other Owner Departments, thereby terminating all A.Z.P.D.E.S. permit coverage for the project.

Necessary forms for the N.O.I., N.O.T., and the draft S.W.P.P.P. will be contained in the Project Specification book. Additional copies of these forms are available through the Owner's A.Z.P.D.E.S. Coordinator.

The unit prices bid for the contingent items that may be necessary to carry out the S. W.P.P.P. shall include all material, labor, and other incidental costs related to furnishing, installing, and maintaining each item during project construction. Some examples of incidental costs include, but are not limited to, periodic checks to ensure proper operation of pollution-control devices, maintenance, cleaning, repair, and disposal of device following storm events or other water runoff on the project.

As a minimum, the Contractor shall inspect all storm water pollution control devices on the project on a monthly basis, and following each rainfall of 0.50 inches or more (as measured at the nearest Flood Control District of Maricopa County rain gauge, or approved on-site rain gauge). The

Contractor is also encouraged to inspect devices following rainfalls of less than 0.50 inches, as it is the Contractor's responsibility to ensure the proper operation of each device. The Contractor shall maintain a record of each inspection. No other separate measurements or payments will be made relative to S.W.P.P.P. items.

STORMWATER POLLUTION PREVENTION-BEST MANAGEMENT PRACTICES

Implementation of "Best Management Practices" (B.M.P.'s) to reduce stormwater pollution shall be undertaken by the Contractor on a multi-tiered, most cost-effective approach. The Contractor shall utilize the lowest-cost acceptable B.M.P. available to address each type of potential stormwater pollution situation encountered on the project. Should this prove ineffective in resolving the stormwater pollution problem, additional, higher-cost B.M.P.'s may need to be employed, upon approval by the Owner. Typical multi-tiered B.M.P. approaches to construction operations might include:

A. ROADWAY SUBGRADE EXCAVATION:

1. Tier I - The excavated area will create, in effect, a temporary retention area. This may provide adequate control of storm runoff to prevent sediment from leaving the site. Pumping or other methods utilized to drain the excavation shall employ filter fabric or other filtering method to remove sediment before leaving the site or entering the storm drain system.
2. Tier II - Catch basin inlet protection (utilizing filter fabric, gravel, etc.) may be necessary should Tier I controls prove inadequate. Care shall be exercised to ensure that Tier II B.M.P.'s do not result in blockage of drainage and resultant flooding of adjacent properties.

B. OPEN PIPELINE TRENCHES:

1. Tier I - The open trench itself will act as a temporary retention area. The Contractor shall provide a low-cost, readily-installed/removed temporary device on the open end of the pipe to prevent sediment-laden stormwater from entering the pipe. This may consist of a temporary "plug" incorporating filter fabric, a temporary weir, or other device capable of removing sediment before allowing stormwater to enter the pipe. Care must be taken to prevent damming of floodwaters in the excavation that could result in "floating" the pipe.
2. Tier II - If Tier I protection does not prove satisfactory, the Contractor may need to install straw bales, sandbag berms, or temporary diversion dikes around the perimeter of the open excavation to prevent sediment-laden stormwater from entering the open excavation. Due to installation/removal time, such devices need only be installed during periods of likely precipitation and runoff. Earthen dikes are the preferred alternate, due to ease of installation and removal. Care must be taken to assure that runoff is not blocked to the extent that flooding of adjacent properties will result.

C. BACKFILLED PIPELINE TRENCHES:

1. Tier I - As with roadway subgrade excavations, pipeline trenches which have been backfilled but not yet paved will be several inches lower than adjacent pavement areas, and will therefore act as temporary retention areas.
2. Tier II - If the “retention” provided by the backfilled area does not prevent sediment-laden runoff from leaving the excavated area, perimeter controls such as silt fence, straw bales, sandbag berms, or gravel filter berms may need to be installed around the downstream edge(s) of the backfilled area. As with open trenches, the selection of the appropriate measure, extent of its application, and time period during which it is needed will be dependent upon cost, site conditions, ease of installation/removal, and likelihood of precipitation/runoff. Again, care must be taken to ensure that diversion of stormwater onto adjacent properties does not result from these installations.

Another stormwater control method, which the Contractor may need to consider, is limiting the amount of area disrupted and therefore subject to sediment-laden stormwater runoff at any one time. Should such project phasing prove necessary due to the failure of other B.M.P.’s, the Contractor shall revise his construction activities accordingly, at no additional cost to the Owner.

Standards for installation of the above B.M.P.’s are provided in the Flood Control District of Maricopa County’s “Drainage Design Manual for Maricopa County, Arizona, Volume III, Erosion Control”. Installation and operation of B.M.P.’s shall be in accordance with that manual.

SELECT MATERIAL: Select material specified on the plans and Standard Details shall be Type “A” in accordance with MAG Section 702, Table 702.

Measurement and payment for A.Z.P.D.E.S. shall be on a lump sum basis for:

107-01 A.Z.P.D.E.S.

107.6 PUBLIC CONVENIENCE AND SAFETY:

Written notice of the approximate schedule and explanation of the work shall be given to each resident, homeowner, business, school, utility service provider, emergency service provider, and Town of Quartzsite Public Works Department at least five (5) days prior to the commencement of work in that area and again one (1) day prior notices before commencing traffic control changes.

Businesses must be notified forty-eight (48) hours prior to any restrictions on normal access or parking areas used by their employees or patrons. Door hangers shall be placed in a secure manner on the front of the door of each residence or business or, if not accessible, in a location that the occupant will likely see and read. Door hangers should be printed on bright colored paper that will be easily seen. Items to be included on door hangers are:

- Date and Start Time of work
- Type of work – (Cross Walk Improvements)
- Contractor(s) names and phone numbers

- Period of time street/driveway use will be affected
- No Parking on Street Allowed for next 24 hours (if needed)
- Cars will be towed at owner's expense
- Information as to the type of disruption the public can expect

Note: No separate payment will be made for work related to public notices.

108 COMMENCEMENT, PROSECUTION AND PROGRESS

108.5 LIMITATION OF OPERATIONS:

The second paragraph is replaced with the following:

All traffic affected by construction shall be regulated in accordance with Part VI of Manual of Uniform Traffic Control Devices (MUTCD), Federal Highway Administration, USDOT, Latest Revision, and the Phoenix Traffic Barricade Manual, 1998 Edition.

SPECIAL PROVISIONS

Main Street HAWKs

The construction of the project shall be in accordance with the following standards, as referenced:

2015 Edition of the Uniform Standard Specifications and Details for Public Works Construction, sponsored and distributed by the Maricopa Association of Governments, January 2015.

Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, 2008.

These Special Provisions provide supplemental information regarding the bid line items for the project and shall be used in conjunction with the Bid Schedule and the measurement and payment section of the MAG Standard Specifications for determination of the quantities and line item costs for measurement and payment purposes for this project. These special provisions shall govern and control anywhere they may deviate or conflict with the MAG Standard Specifications or ADOT Standard Specifications.

In addition, anywhere the Code of the Town of Quartzsite, Arizona, Construction Specifications, Maricopa Association of Governments Uniform Standards and Details for Public Works Construction,, Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, the Design Drawings, Special Provisions, or the Supplemental Conditions conflict, the more stringent of the document requirements shall apply, except the measurement and payment of construction bid items which is governed by these special provisions.

The various bid items for the project are described as follows.

ITEM 109 MEASUREMENTS AND PAYMENTS

GENERAL: Comply with MAG Standard Specifications Section 109.10

Payment will be for:

109-01 Mobilization/Demobilization

ITEM 340 CONCRETE CURB, GUTTER, SIDEWALK, CURB RAMPS, DRIVEWAY

GENERAL: Comply with MAG Standard Specifications Section 340.

Payment will be for:

340-01 Concrete Sidewalk Ramp

340-02 Concrete Sidewalk

340-03 Concrete Curb And Gutter (ADOT C-5.10) (Type D)

ITEM 350 REMOVAL OF EXISTING IMPROVEMENTS

GENERAL: Comply with MAG Standard Specifications Section 350 except as modified herein.

350.1 DESCRIPTION: of the MAG Standard Specifications is modified to read:

This work shall include removal, relocation, and disposal of various existing improvements such as existing pavement, concrete, signing and other items necessary for the accomplishment of the improvement as shown on the project plans.

The work under these items shall consist of removing, relocating, salvaging, and delivering these items to the Town of Quartzsite or any other location within the Town of Quartzsite or at the Town's request haul such items away. Contractor shall coordinate with the Town before removing the existing signs. Contractor shall furnish all pertinent hardware, labor and equipment as necessary and any incidental work required to remove these items as shown on the project plans and as directed by the ENGINEER.

350.3 MISCELLANEOUS REMOVAL AND OTHER WORK: of the MAG Standard Specifications is modified to read:

The Contractor shall remove and salvage all existing street signs as shown on the plans and shall deliver them to the Town of Quartzsite Public Works Operations Yard. Prior to delivery, the Contractor shall contact **Emmet Brinkerhoff at 928-927-4561** for delivery arrangements and time.

If foundations are provided for existing pole(s), the Contractor shall completely remove them. Whether foundations are present or not, the Contractor shall backfill and compact the void left by the pole/foundation and restore the area in accordance with the standard specifications. An inspection by the Engineer is required prior to any backfilling activities.

350.4 PAYMENT: of the MAG Standard Specifications is modified to read:

Payment for removals and relocations shall be made in accordance with the unit price as set forth in the proposal, which shall be full compensation for the item described herein or on the plans. Items requiring removal but not identified on the plans for removal shall be removed as directed by the ENGINEER. Payment shall be considered as being included in the price for the construction or installation of the items to which the removal is incidental or appurtenant.

350.5 MEASUREMENT: of the MAG Standard Specifications is modified to read:

Removal of existing street signs shall be measured as a unit EACH item, except as noted below for work complete in place and includes all labor, materials, equipment, tools, and traffic control necessary for removal of existing street signs. Sawcutting shall be considered as included in the cost of removal of concrete.

Payment for will be for:

350-01 Removal of Concrete Sidewalks, Driveways and Slabs

350-02 Removal of Concrete Curb and Gutter

350-03 Remove Existing Signs and Post

350-04 Remove Existing Sign

ITEM 401 TRAFFIC CONTROL

GENERAL: Comply with MAG Standard Specifications Section 401 except as modified herein.

401.6 MEASUREMENT AND PAYMENT: of the MAG Standard Specifications is modified to read:

Payment will be made in accordance with the unit lump sum as set forth in the proposal. Such payment shall include full compensation for furnishing all labor, material, tools and equipment and accomplishing all work in conformance with the contract documents.

Payment will be for:

401-01 Maintenance and Protection of Traffic

ITEM 462 THERMOPLASTIC PAVEMENT MARKINGS

GENERAL: Comply with ADOT Standard Specifications Section 704.

Measurement and payment will be for:

462-01 Pavement Marking (White Extruded Thermoplastic)(0.090")

ITEM 464 SIGNING

GENERAL: Comply with ADOT Standard Specifications Section 607, 608 and 1007.

Measurement and payment will be for:

464-01 Sign Post (Perforated) (2S)

464-02 Sign Post (Perforated) (2 ½ S)

464-03 Foundation For Sign Post

464-04 Warning, Marker, Or Regulatory Sign Panel (Type XI Sheeting)

ITEM 471 ELECTRICAL UNDERGROUND INSTALLATION

GENERAL: Comply with ADOT Standard Specifications Section 732.

Measurement and payment will be for:

471-01 No. 7 Pull Box

471-02 No. 7 Pull Box with Extension

471-04 Electrical Conduit (3") (PVC)(Schedule 40)(Trench)

471-04 Electrical Conduit (3") (PVC)(Schedule 40)(Horizontal Bore)

ITEM 472 STRUCTURAL SUPPORTS AND FOUNDATIONS FOR TRAFFIC SIGNAL AND HIGHWAY LIGHTING:

GENERAL: Comply with ADOT Standard Specifications Section 731 except as modified herein.

472.1 DESCRIPTION: of the ADOT Standard Specifications is modified to read:

The work under this item includes refurbishing and installation of salvaged traffic signal pole equipment, including modification of mast arms at the locations shown on the project plans.

472.2 CONSTRUCTION METHODS: of the ADOT Standard Specifications is modified to read: Clean and restore salvaged equipment to an operating condition. Holes left in the shafts of existing poles, due to shaft modification or removal of signal equipment, shall be repaired and painted with a galvanized paint in accordance to requirements of ASTM A 123. Furnish all additional hardware and incidentals necessary to allow reuse and installation of the equipment.

472.3 MEASUREMENT AND PAYMENT: of the ADOT Standard Specifications is modified to read:

Payment for modifying, refurbishing and installation of signal poles and mast arm will be made at the contract unit price for each pole and mast arm. Such payment shall constitute full compensation for furnishing all materials, labor, tools and equipment and accomplishing all work associated with restoration and installation.

Measurement and payment will be for:

472-01 Pole Foundation (Type Q)

472-02 Pole (Type Q) (Town Furnished) (Modify, Refurbish, Install)

472-03 Mast Arm (20 Ft.) (Tapered) (Town Furnished) (Modify, Refurbish, Install)

472-04 Mast Arm (30 Ft.) (Tapered) (Town Furnished) (Modify, Refurbish, Install)

472-05 Mast Arm (35 Ft.) (Tapered) (Town Furnished) (Modify, Refurbish, Install)

472-06 Pedestrian Push Button Post Foundation

472-07 Post (Pedestrian Push Button)

ITEM 475 ELECTRIC POWER SERVICE AND CONTROLLER CABINET INSTALLATION:

GENERAL: Comply with ADOT Standard Specifications Section 734 except as modified herein.

472.1 DESCRIPTION: of the ADOT Standard Specifications is modified to read:

The work under this item includes refurbishing and installation of salvaged traffic control cabinets and equipment, including modification to the inner-workings of the cabinet.

472.2 CONSTRUCTION METHODS: of the ADOT Standard Specifications is modified to read: Clean and restore salvaged equipment to an operating condition. Furnish all additional hardware and incidentals necessary to allow reuse and installation of the equipment. The Contractor shall utilize an IMSA Level III technician skilled in the operation and setup of traffic signal control cabinets and HAWK operations to configure the traffic signal controller and control cabinet electronics.

472.3 MEASUREMENT AND PAYMENT: of the ADOT Standard Specifications is modified to read:

Payment for modifying, refurbishing and installation of the control cabinet will be made at the contract unit price for each control cabinet and controller. Such payment shall constitute full compensation for furnishing all materials, labor, tools and equipment and accomplishing all work associated with restoration and installation.

Measurement and payment will be for:

475-01 Control Cabinet (Type IV w/ Elevator Base) (Town Furnished) (Refurbish, Install)

475-02 Control Cabinet Foundation

- 475-03 Controller (Eagle m50) (Town Furnished) (Install)**
- 475-04 Miscellaneous Electrical (Supplemental Control Cabinet Electronic Equipment) (Furnish and Install)**
- 475-05 Meter Pedestal Cabinet**
- 475-06 Meter Pedestal Foundation**

ITEM 476 SIGNAL INDICATIONS AND MOUNTING ASSEMBLIES:

GENERAL: Comply with ADOT Standard Specifications Section 733 except as modified herein.

476.1 DESCRIPTION: of the ADOT Standard Specifications is modified to read:

The work under this item includes refurbishing and installation of reuse pedestrian signal indications, flashing beacons, and mounting assemblies at the locations shown on the project plans.

476.2 CONSTRUCTION METHODS: of the ADOT Standard Specifications is modified to read: Clean and restore reused equipment to an operating condition. Furnish all additional housing, hardware, and incidentals necessary to allow reuse and installation of the equipment.

476.3 MEASUREMENT AND PAYMENT: of the ADOT Standard Specifications is modified to read:

Payment for refurbishing and installation of pedestrian signal indications, flashing beacons, and mounting assemblies will be made at the contract unit price each, for the type signal face and mounting assembly designated in the bidding schedule, complete in place. Such payment shall constitute full compensation for furnishing all materials, labor, tools and equipment and accomplishing all work associated with restoring and installation.

Measurement and payment will be for:

- 476-01 Traffic Signal Face (Type T)**
- 476-02 Pedestrian Push Button (Town Furnished) (Refurbish, Install)**
- 476-03 Traffic Signal Mounting Assembly (Type II)**
- 476-04 Traffic Signal Mounting Assembly (Type V)**
- 476-05 Traffic Signal Mounting Assembly (Type V) (Town Furnished) (Refurbish, Install)**
- 476-06 Traffic Signal Mounting Assembly (Type XI)**
- 476-07 Pedestrian Signal (Man/Hand) (Countdown) (Town Furnished) (Refurbish, Install)**

ITEM 477 INTERSECTION LIGHTING:

GENERAL: Comply with ADOT Standard Specifications Section 736 except as modified herein.

477.1 DESCRIPTION: of the ADOT Standard Specifications is modified to read:

The work under this item includes refurbishing and installation of reuse horizontally-mounted high pressure sodium luminaries at the locations shown on the project plans.

477.2 CONSTRUCTION METHODS: of the ADOT Standard Specifications is modified to read: Clean and restore reused equipment to an operating condition. Furnish all additional housing, hardware, and incidentals necessary to allow reuse and installation of the equipment.

477.3 MEASUREMENT AND PAYMENT: of the ADOT Standard Specifications is modified to read:

Payment for refurbishing and installation of horizontally-mounted high pressure sodium luminaries will be made at the contract unit price each, for the type of luminaires designated in the bidding schedule, complete in place. Such payment shall constitute full compensation for furnishing all materials including incidentals such as mounting hardware, electrical wiring and conduit, and any other equipment necessary to complete the work.

Measurement and payment will be for:

477-01 Luminaire (Horizontal Mount) (HPS 250 Watt) (Town Furnished) (Refurbish, Install)

ITEM 478 ELECTRICAL CONDUCTORS:

GENERAL: Comply with ADOT Standard Specifications Section 732.

Measurement and payment will be for:

478-01 Conductors

*** End of Special Provisions Section ***

Appendix A:
Existing Traffic Signal Equipment Inventory



ARIZONA
TEXAS
NEW MEXICO
OKLAHOMA

October 21, 2015

Mr. Clark C. Clatanoff, PE, PTOE
Senior Transportation Engineer
4600 East Washington Street, Suite 600
Phoenix, AZ 85034

RE: Amec Foster Wheeler Project No.: 3720155005
Project Name: Quartzsite HAWK Signal System
Equipment Inventory Results

Dear Mr. Clatanoff,

Scott Kelley and I inventoried the donated equipment, located at the Town of Quartzite, on October 14. The inventory data includes the attached list of items on hand and 76 digital photos, which have been transmitted to Scott via Dropbox.

I also made an effort to suggest parts and pieces I thought you would need to acquire to provide all the equipment to construct and activate the HAWK signals, as shown on the latest plans, provided to me on October 15.

If you have any questions, please contact me at (602) 618-0406.

Regards,

Dave Bruggeman, PE, PTOE
Principal



Traffic Signal Equipment Inventory Town of Quartzite October 14, 2015

The following list was compiled by Dave Bruggeman of Lee Engineering and Scott Kelley of AMEC Foster Wheeler on-site at the Town of Quartzite, on October 14, 2015, based on visual observations conducted in the Town's pole storage yard and a storage trailer located behind the Public Works building.

Poles

- 2 Valmont Q poles w/Signal Mast Arm Handhole & Cover
- 2 Ameron Q poles (no Signal Mast Arm handhole or cover) ("Ameron, 3 Ga, 30', TS 4-10")
- 3 Pole top caps (Missing one pole top cap)
- 0 Ameron handhole covers (rectangular shape)
- 5 Valmont handhole covers (oval shape)

Existing Drillings - Assumes mast arm attachment is the "9:00" position:

- Pole #1 9:00/PPB; 1:30/WDW
- Pole #2 1:30/TS (at 120" height - standard is 115")
- Pole #3 3:00/PPB; 4:30/WDW; 4:30/TS (at 120" height - standard is 115")
- Pole #4 3:00/TS (at 130" height - standard is 115")

Mast Arms

- 40' Signal Mast Arm, tenon at 12' (has 2" hole in top of arm, 7' from end)
- 40' Signal Mast Arm, tenon at 12' (has 2" hole in top of arm, 6 1/2' from end) (Tag says 30')
- 40' Signal Mast Arm, tenon at 12'
- 35' Signal Mast Arm, tenon at 12' (has 2" hole in top of arm, 3' from end)

- 3 Signal Mast Arm End Caps
- 1 Signal Mast Arm End Cap - Crushed/Unusable
- 13 Signal Mast Arm Connector Bolts? (in bucket)
- 4 Signal Mast Arm Connector Bolts
- 5 Signal Mast Arm Connector Bolts? (in bucket, longer, 2 with washers - not per standard)

- 20' Luminaire Mast Arm ("Ameron, 7 Ga")
- 20' Luminaire Mast Arm ("Ameron, 7 Ga")
- 20' Luminaire Mast Arm ("Valmont, 7 Ga")
- 20' Luminaire Mast Arm

- 5 Luminaire Arm Connector Bolts? (in bucket)
- 6 Luminaire Arm Connector Bolts

Signals/Mountings

- 3 12" RED LED Dialight
- 18 12" RED LED Dialight (different lens pattern)
- 1 12" RED LED GE

- 1 12" YELLOW LED Dialight
- 17 12" YELLOW LED GE

- 2 12" GREEN LED
- 5 12" RED ARROW LED
- 7 12" YELLOW ARROW LED
- 5 12" CLEAR ARROW LED

- 34 12" Tunnel Visors

- 11 Man/Hand Countdown LED Pedestrian Insert Modules

- 1 Type V Mounting w/PEAK WDW housing
- 2 Type V Mounting w/ICC WDW housing
- 1 Type VII Mounting with 2 McCain WDW housings
- 1 Type VII Mounting with 2 PEAK WDW housings

Pedestrian Push Buttons/Placards

- 7 Ped Pushbutton Frames
- 5 2" Dome PPBs
- 2 2" Dimpled Dome PPBs
- 1 R10-3eL Sign (Non-reflective sheeting)
- 1 R10-3eL Sign
- 1 R10-3eR Sign

Street Light Fixtures

- 2 GE 250 W HPS Luminaires w/lamps
- 5 250 W HPS Luminaires w/lamps

Control Cabinets

- 2 Siemens Type IV Controller Cabinet on elevator base, with lighting contactor, surge protector, and TR4 GPS - Good Condition

Meter Pedestals

- 1 240/480 100A Meter Pedestal, no breaker panel (unusable)
- 1 120/240 100A MEUGL-125TSC/SS-AZ, no breaker panel, badly rusted interior (unusable)

Miscellaneous

- 1 EDI SSM-12E MMU with diode card jumpers installed (2-6, 2-9, 4-0, 6-9)
- 16 Load Switches
- 2 Flasher
- 5 Flash Transfer Relays
- 1 EDI PS175 Input Rack Power Supply

All mountings, ped signal casings, visors and ped button frameworks should be repainted flat black to cover nicks and scratches.

No controllers or detection input cards.

Qty	Item	Exist	Per Plans		Comments	Existing Drill Pattern
			New	Discard		
1	Q Pole Shaft	X			Weld & Galvanize all holes and redrill	9:00/PPB; 1:30/WDW
1	Q Pole Shaft	X			Weld & Galvanize all holes and redrill	1:30/TS (at 120", standard is 115")
1	Q Pole Shaft	X			Weld & Galvanize all holes and redrill	3:00/PPB; 4:30/WDW; 4:30/TS (at 120", standard is 115")
1	Q Pole Shaft	X			Weld & Galvanize all holes and redrill	3:00/TS; (at 130", standard is 115")
3	Pole Top Caps	X				
1	Pole Top Caps		X			
5	Oval Handhole Covers	X			Use 2, and keep 3 as spares	
3	Ped Button Post		X			
1	40' Signal Mast Arm, mid tenon at 12', 2" top hole at 7'			X		
1	40' Signal Mast Arm, mid tenon at 12', 2" top hole at 6.5'			X		
1	40' Signal Mast Arm, mid tenon at 12'			X		
1	35' Signal Mast Arm, mid tenon at 12', 2" top hole at 3'	X			Weld & Galvanize top hole	
1	35' Signal Mast Arm, mid tenon at 12'		X			
2	30' Signal Mast Arm, mid tenon at 12'		X			
3	Signal Mast Arm End Caps	X			Use 1 and keep 2 as spares	
3	Signal Mast Arm End Caps		X			
4	Signal Mast Arm Connector Bolts (1 1/4"-7 HS, ASTM-A-325)			X	Don't trust to be correct bolts & strength	
16	Signal Mast Arm Connector Bolts (1 1/4"-7 HS, ASTM-A-325)		X			
1	20' Luminaire Mast Arm	X				
1	20' Luminaire Mast Arm	X				
1	20' Luminaire Mast Arm	X				
1	20' Luminaire Mast Arm	X				
6	Luminaire Mast Arm Connector Bolts (3/4"-10 HS, ASTM-A-325)			X	Don't trust to be correct bolts & strength	
12	Luminaire Mast Arm Connector Bolts (3/4"-10 HS, ASTM-A-325)		X			
3	12" RED LED Insert (Dialight)			X		
18	12" RED LED Insert (Dialight)	X	X		Use these plus 6 new for the 24 you need	
1	12" RED LED Insert (GE)			X		
1	12" YELLOW LED Insert (Dialight)			X		
17	12" YELLOW LED Insert (GE)	X			Use 12, and save 5 as spares	
2	12" GREEN LED Insert			X	Not Needed	
5	12" RED ARROW LED Insert			X	Not Needed	
7	12" YELLOW ARROW LED Insert			X	Not Needed	
5	12" CLEAR ARROW LED Insert			X	Not Needed	
11	MAN/HAND COUNTDOWN LED Pedestrian Signal Inserts	X			Use 4, keep 7 as spares	
12	Type T Signal Heads w/Backplates		X		Use R & Y inserts	
34	12" Tunnel Visors	X			Need repainting	
2	12" Tunnel Visors		X			
8	Type II Mountings		X			
1	Type V Mounting w/PEAK WDW Housing	X			Need repainting	
2	Type V Mounting w/ICC WDW Housing	X			Need repainting	

1	Type V Mounting w/WDW Housing		X		
1	Type VII Mounting w/2 McCain WDW Housings			X	Not Needed
1	Type VII Mounting w/2 PEAK WDW Housings			X	Not Needed
7	Type I Ped Push Button Frameworks	X			Need repainting. Use 4 and keep 3 as spares
5	2" ADA Dome Ped Buttons	X			Use 4, keep 1 spare
2	2" ADA Dimpled Dome Ped Buttons	X			Keep 2 as spares
1	R10-3eL PPB Sign			X	Has Non-Reflective Sheeting
1	R10-3eL PPB Sign			X	Not Needed
1	R10-3eR PPB Sign			X	Not Needed
4	R10-3eL PPB Sign		X		Buy 4, so all are the same
2	250W HPS Street Light Fixture w/lamp (GE Powerdoor)	X			Keep as spares
5	250W HPS Street Light Fixture w/lamp	X			Use 4 and keep 1 as spare
1	Siemens Type IV Controller Cabinet on Elevator Base	X			Has Ltg Contactor, GPS and Surge Protection
1	Siemens Type IV Controller Cabinet on Elevator Base	X			Has Ltg Contactor, GPS and Surge Protection
1	120/240 100A MEUGL-125TSC/SS-AZ Meter Pedestal			X	Badly Rusted Inside, No Breaker Panel - Unusable
1	240/480 100A Meter Pedestal			X	No Breaker Panel, Wrong Voltages - Unusable
2	120/240 100A MEUGL-125TSC/SS-AZ Meter Pedestal		X		Buy 2, so both are the same
1	EDI SSM-12E MMU with diode card			X	Aged - Please discard
2	Conflict Monitors		X		Buy 2, so both are the same
16	Load Switches	X			Need 4, keep 12 as Spares
2	Flasher Packs	X			Need 2, use ADOT donation units
5	Flash Transfer Relays	X			Need 1 per Cabinet, Save 3 as Spares
1	EDI PS175 Input Rack Power Supply	X			Save, as spare
2	Input Rack Power Supplies		X		Buy 2, so both are the same
2	Controller	X			Anticipated donation from ADOT
2	Conflict Monitor		X		Buy 2, so both are the same
2	Detector Input Cards for Ped Button		X		Buy 2, so both are the same
2	Input Rack Power Supply		X		Buy 2, so both are the same
	Signs		X		Not tabulated in this table
	Photocell		X		May need 2

Notes/Questions:

No UPS/Battery backup?

Consider use of LED street light fixtures?



























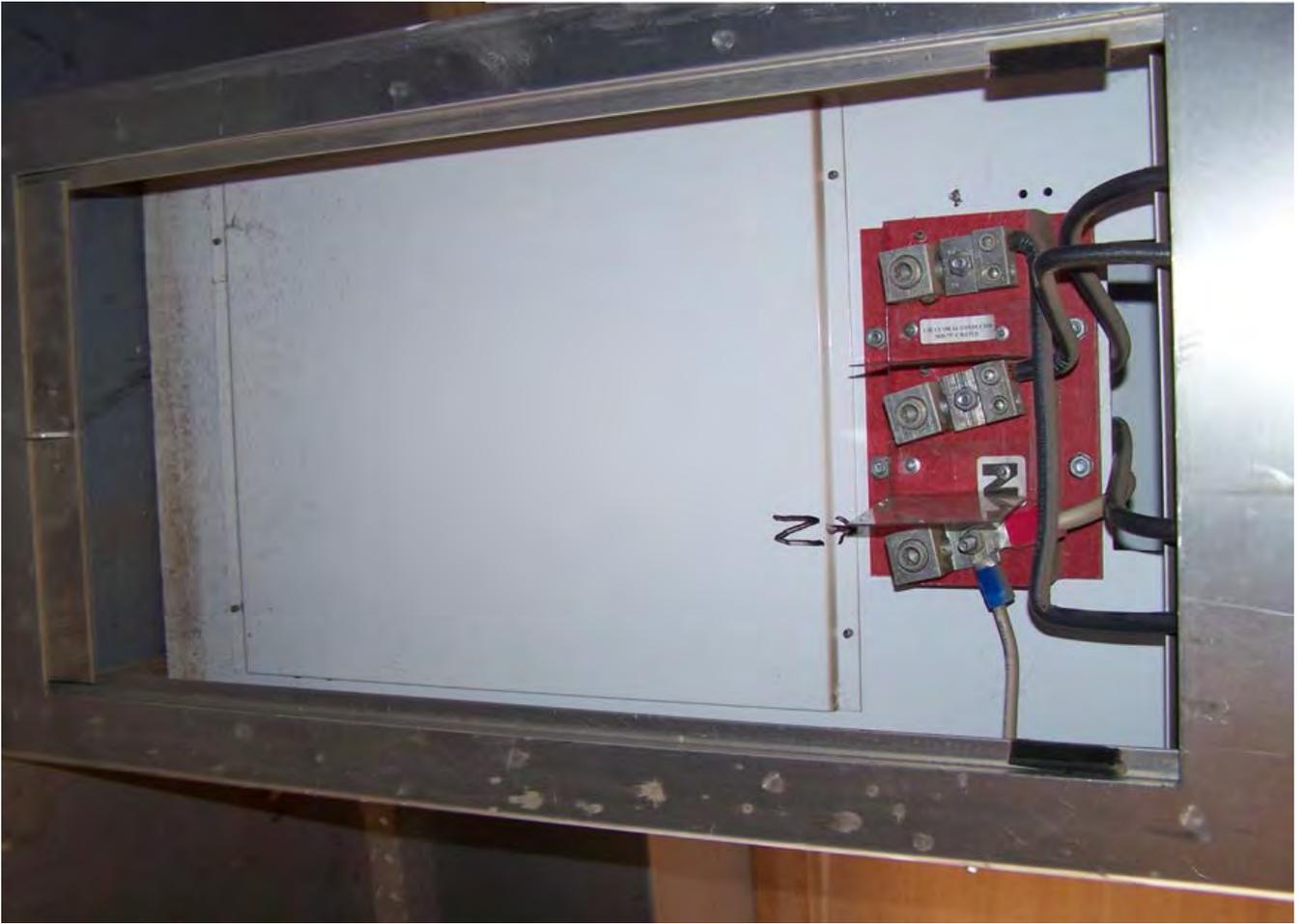












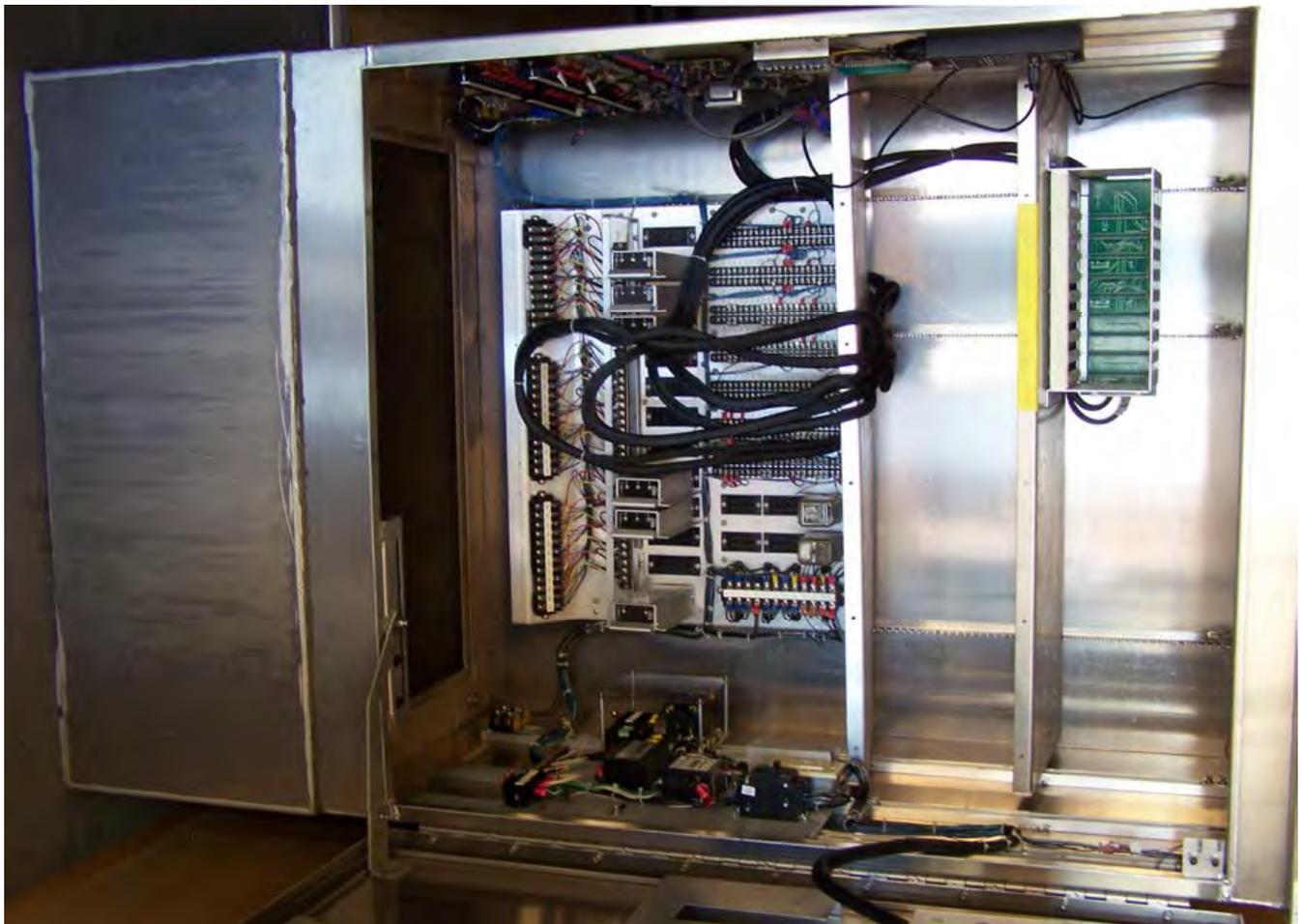


MYERS
ELECTRIC PRODUCTS INC
MODEL: HEUGL-125TSC/SS-AZ
NUMBER: 700719 S.O. 64572
120/240 VAC 1 PHASE 3 WIRE
100 AMPS MAX
RAINPROOF



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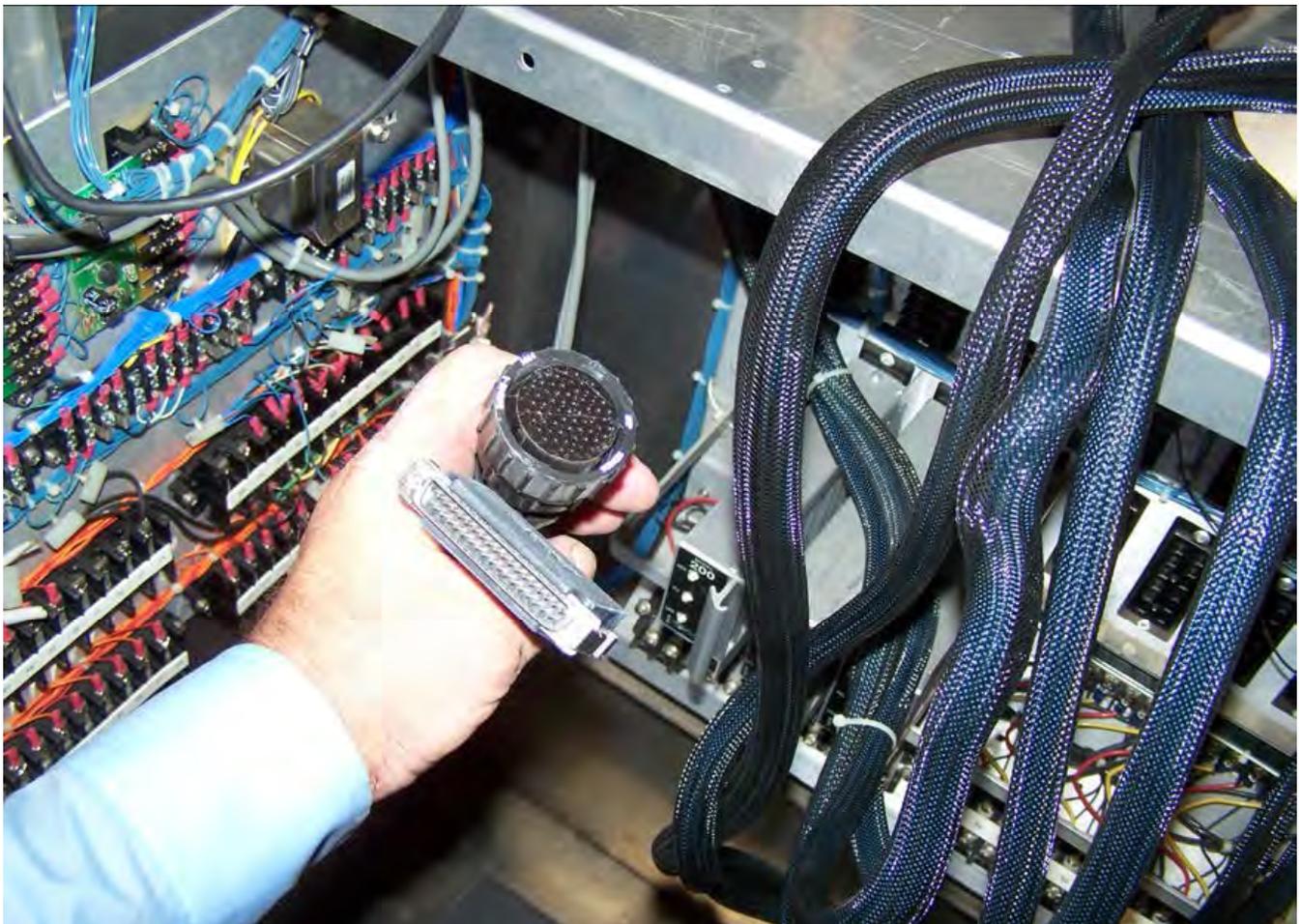
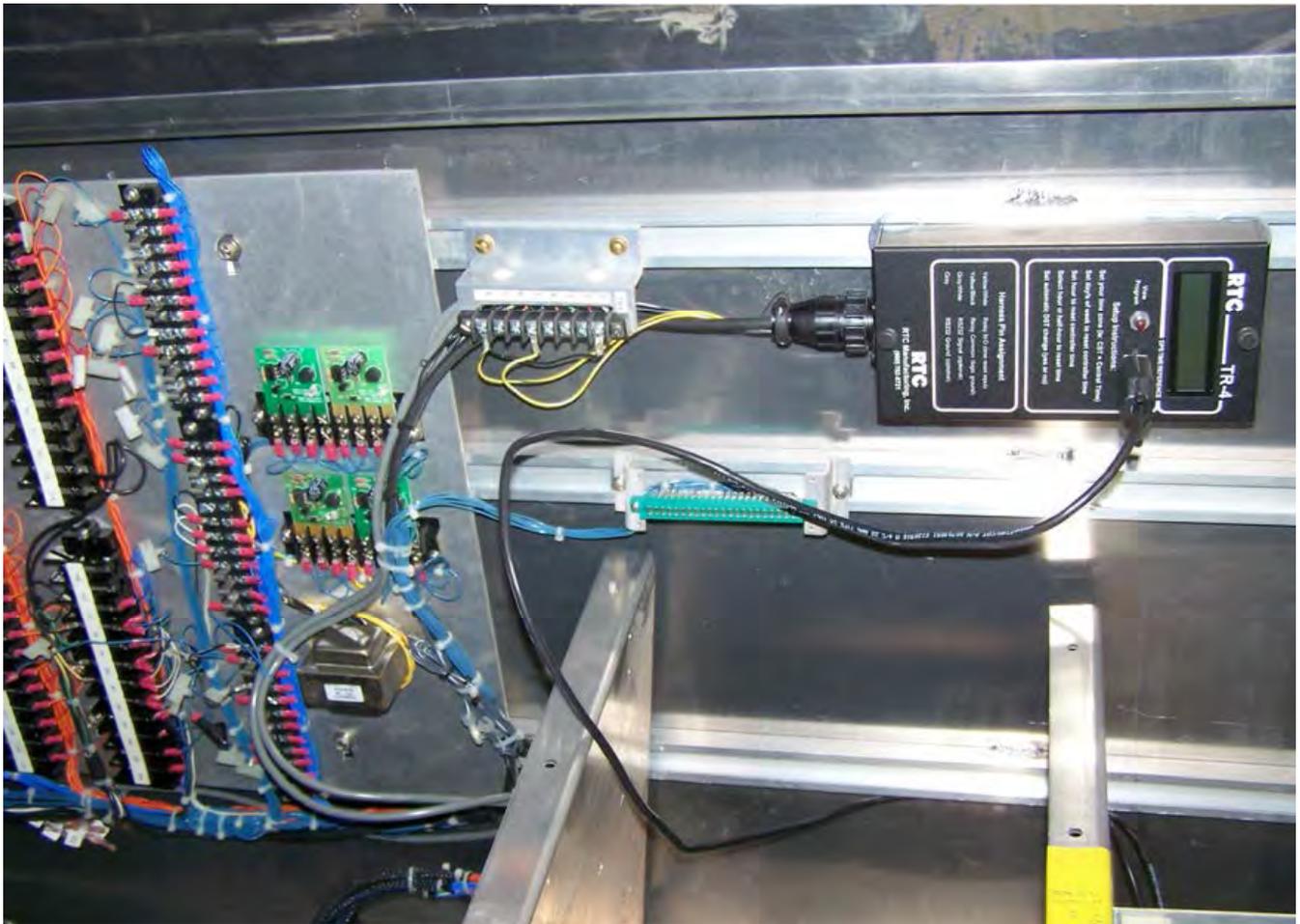


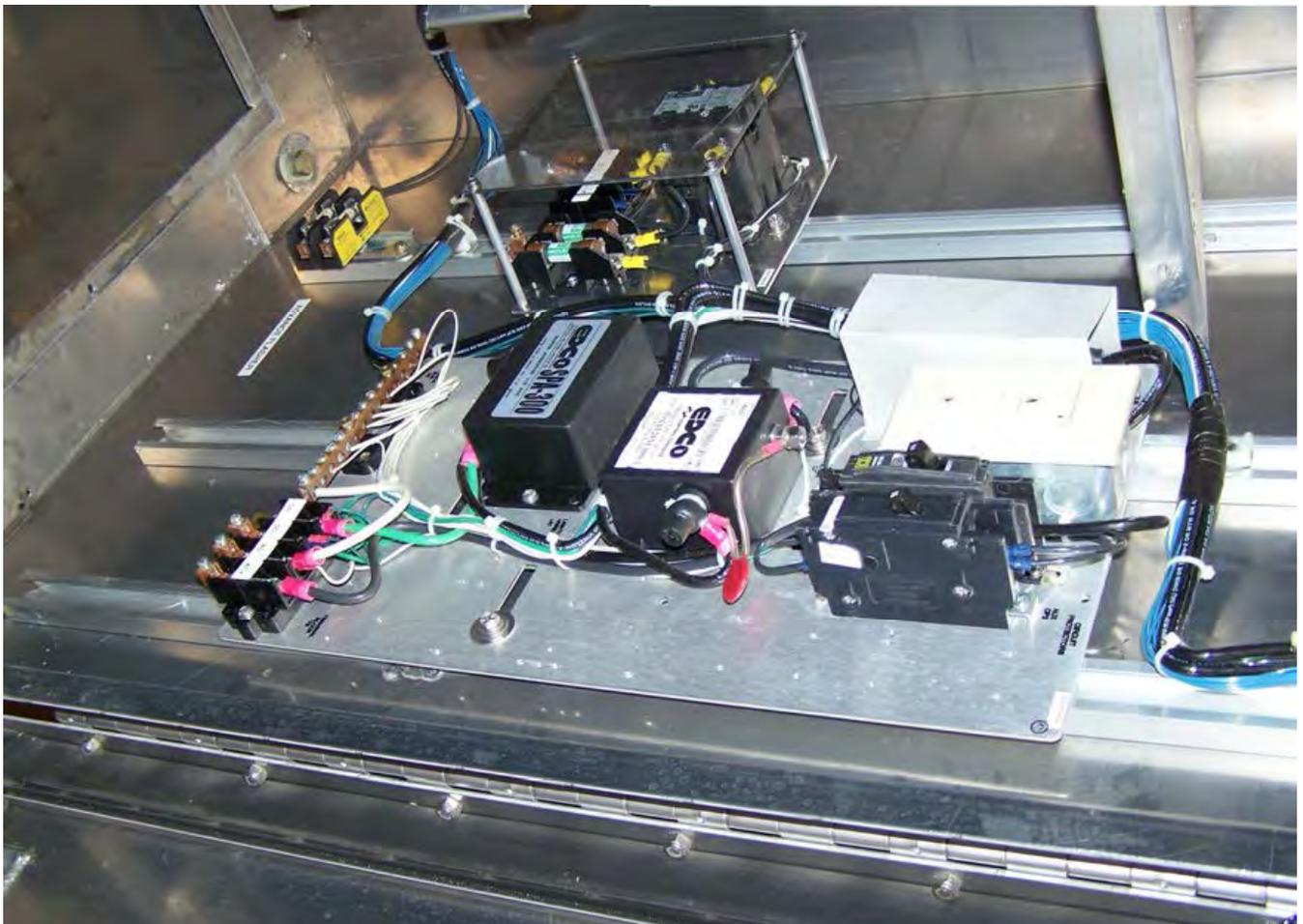
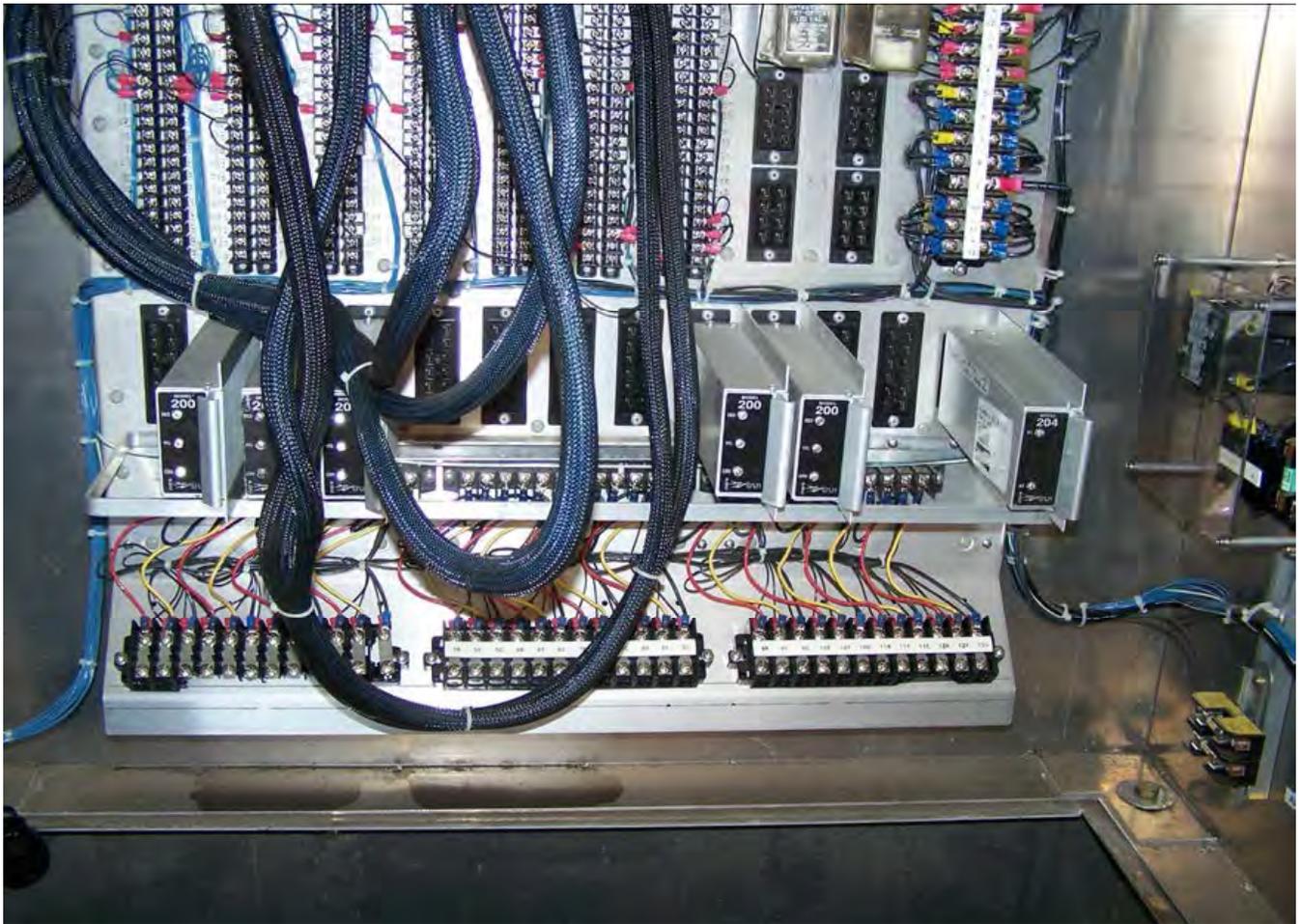
Siemens Energy & Automation, Inc.
Business Unit Intelligent Transportation Systems
Eagle Product

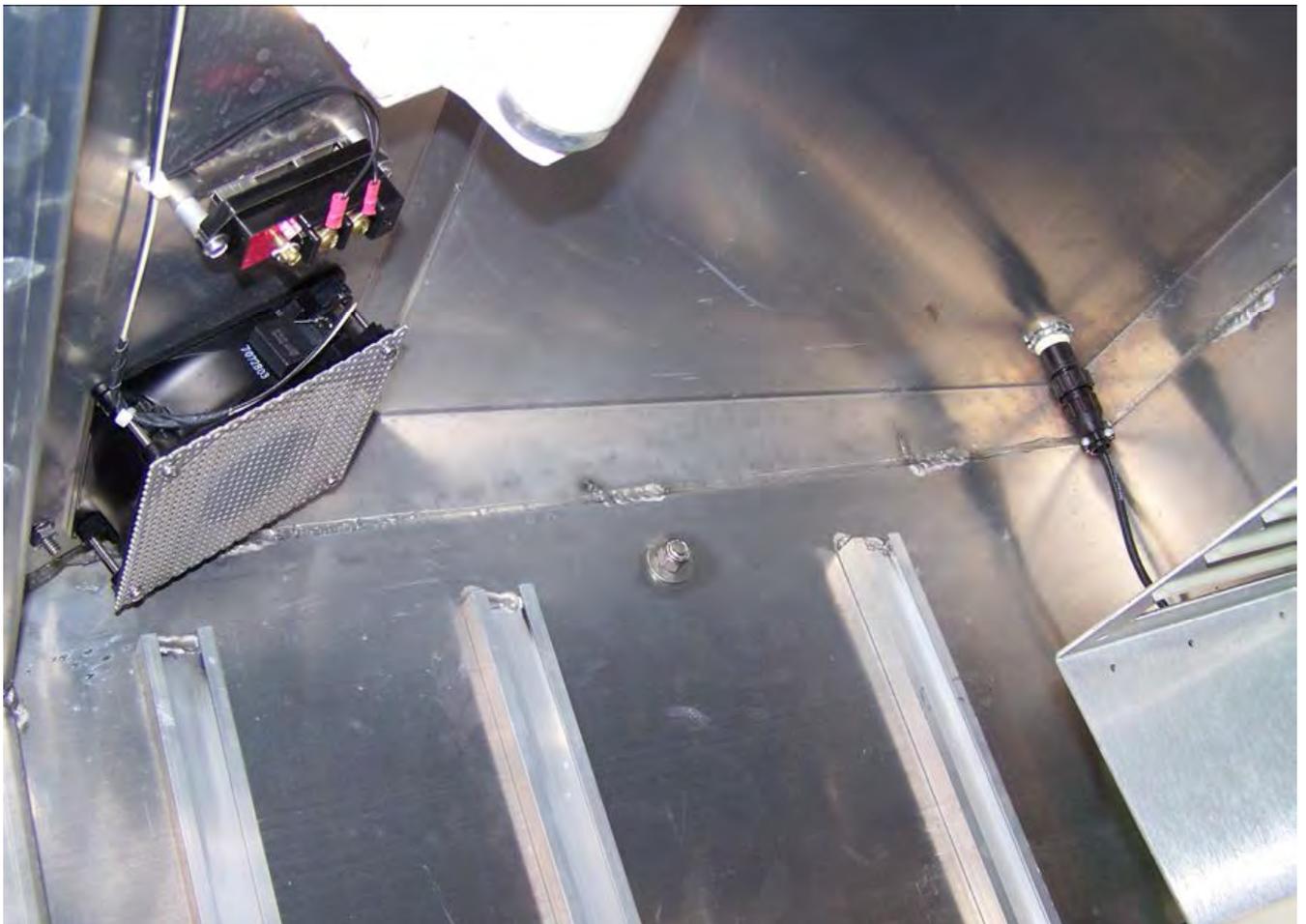
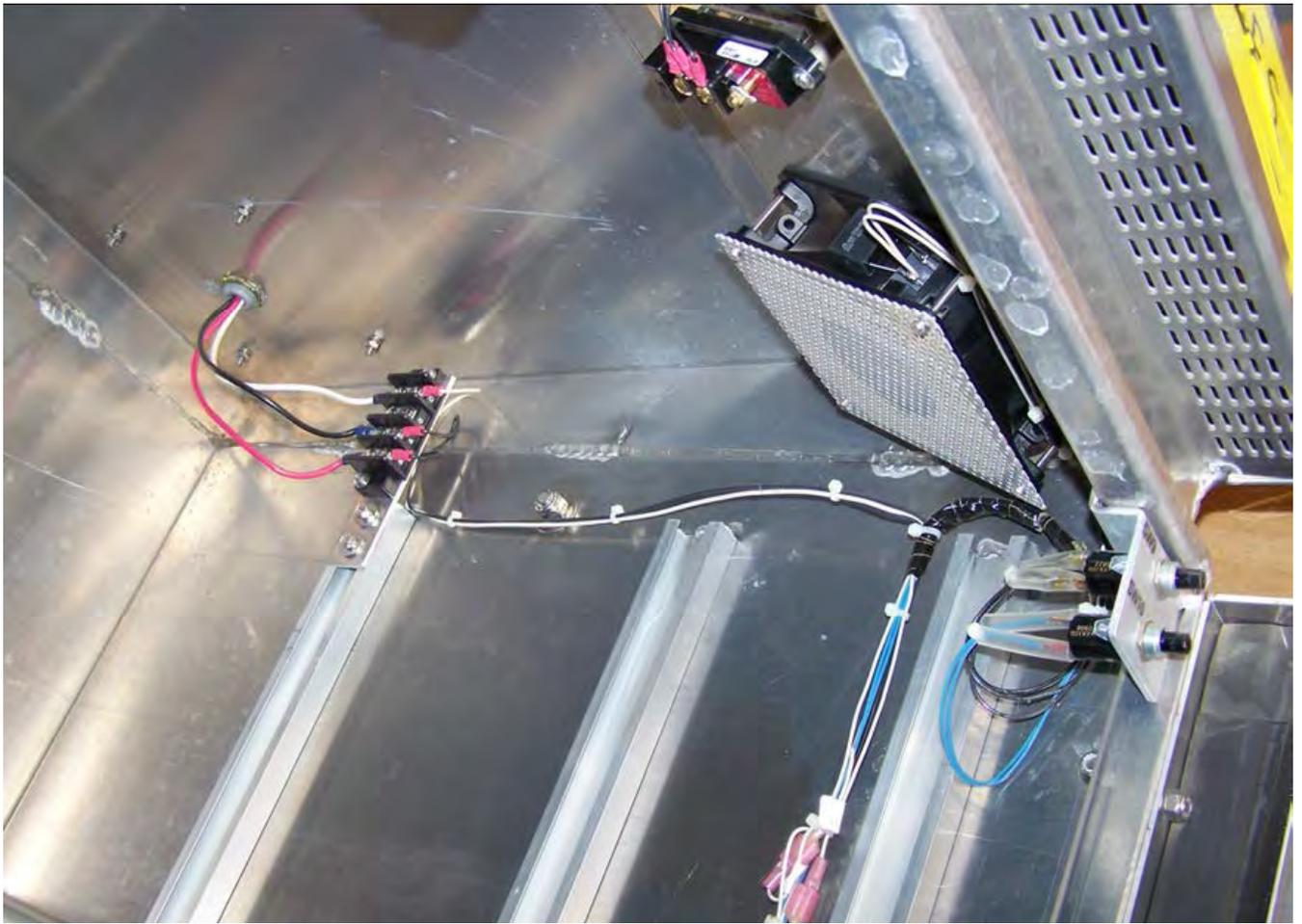
FACILITY: _____
S.O.: _____ CABINET S/N: _____
ASSEMBLED BY: _____
TESTED BY: *BM/ghm* 3/25/09
INSPECTED BY: _____

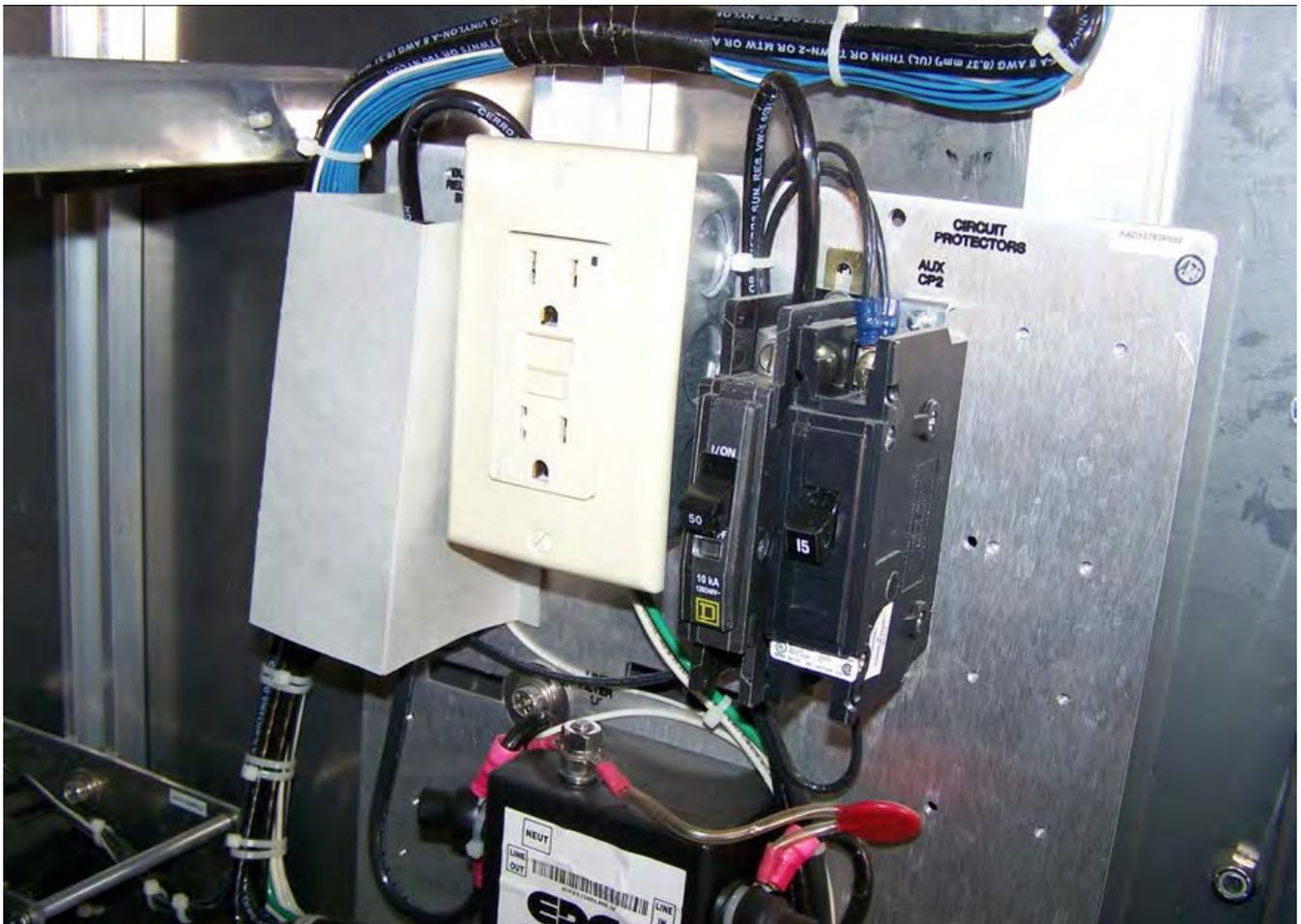
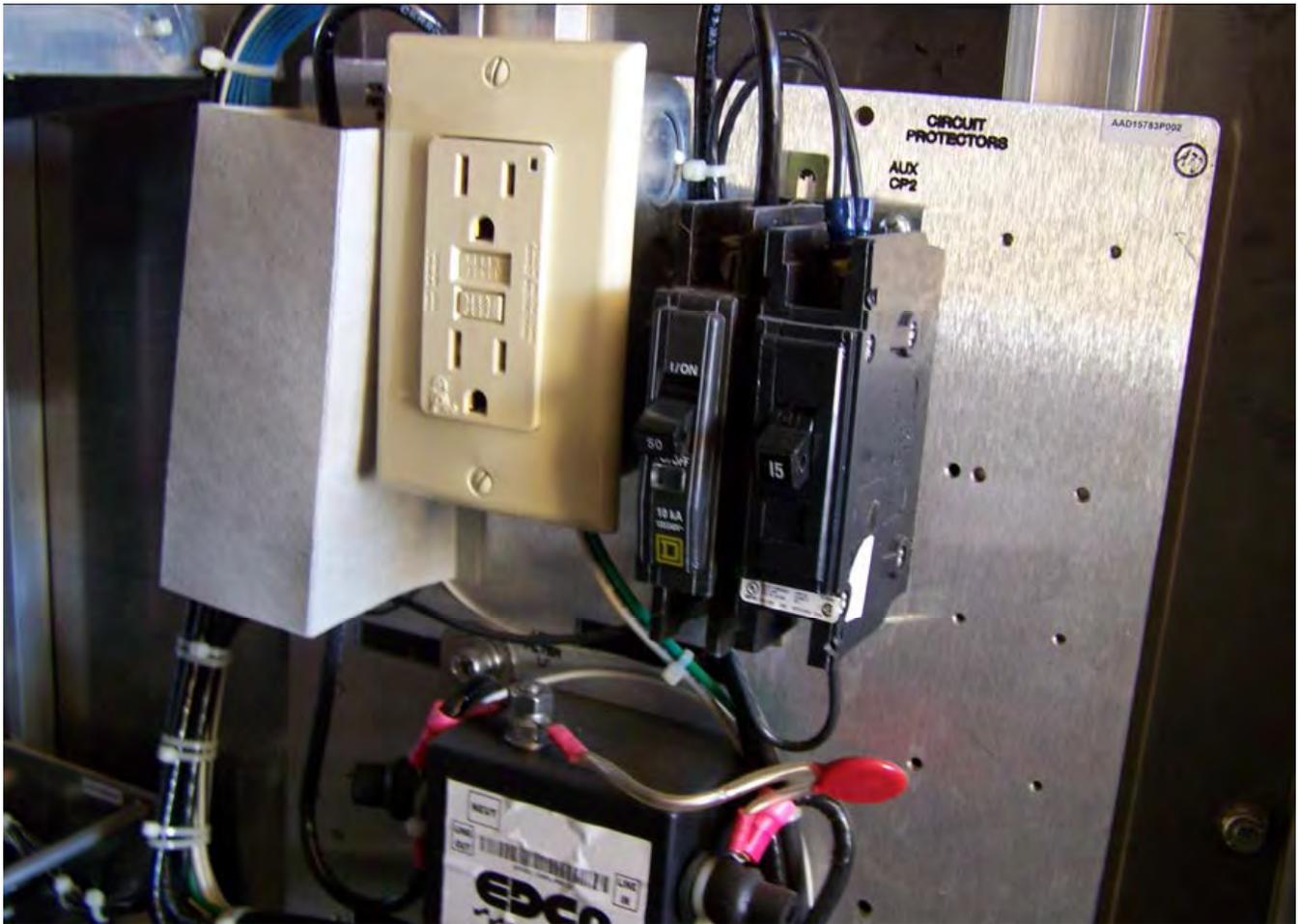
WARNING
DO NOT OPERATE CONTROLLER
WITHOUT CONFLICT MONITOR
AS CONFLICTING SIGNALS WILL
NOT BE DETECTED!

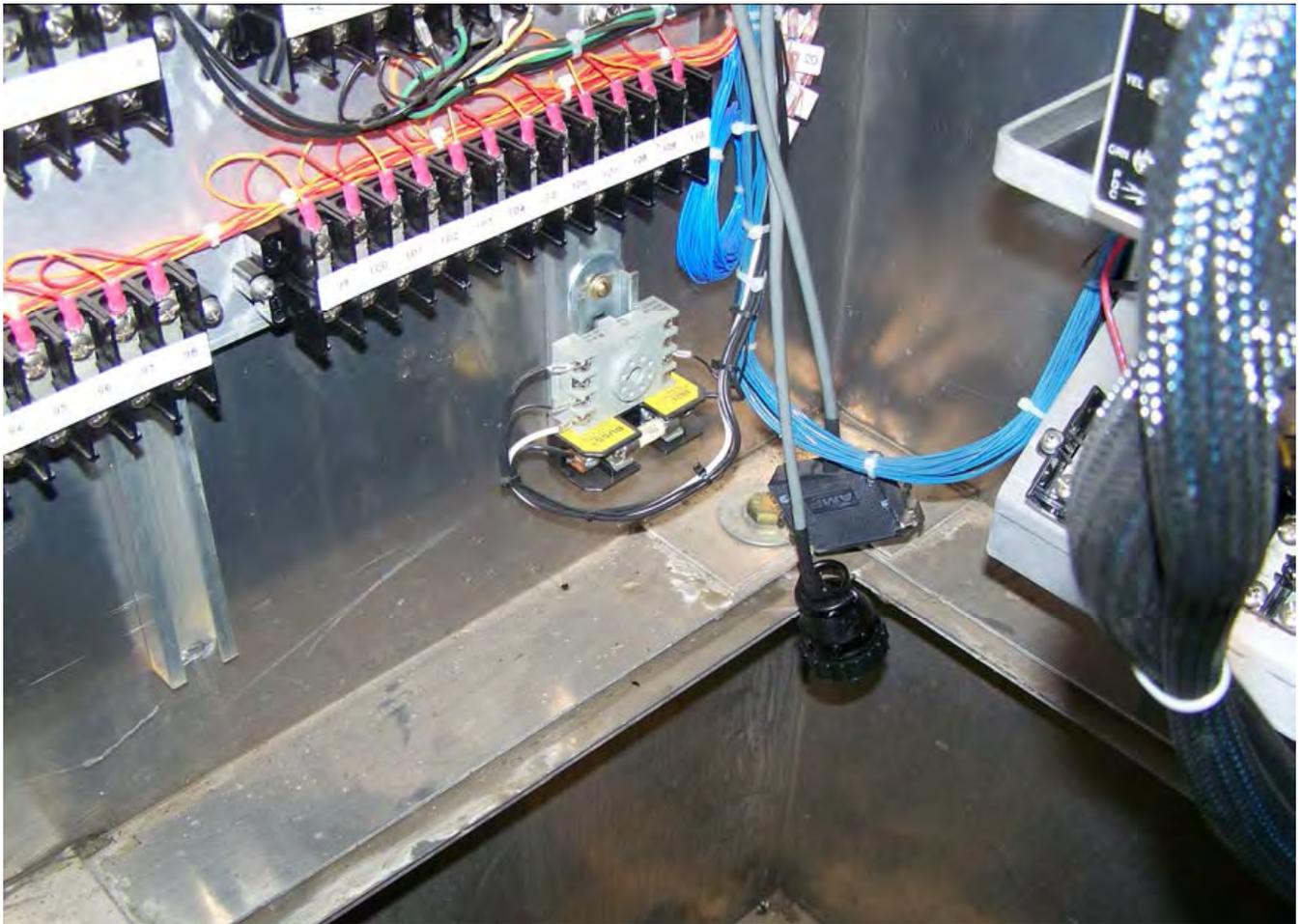


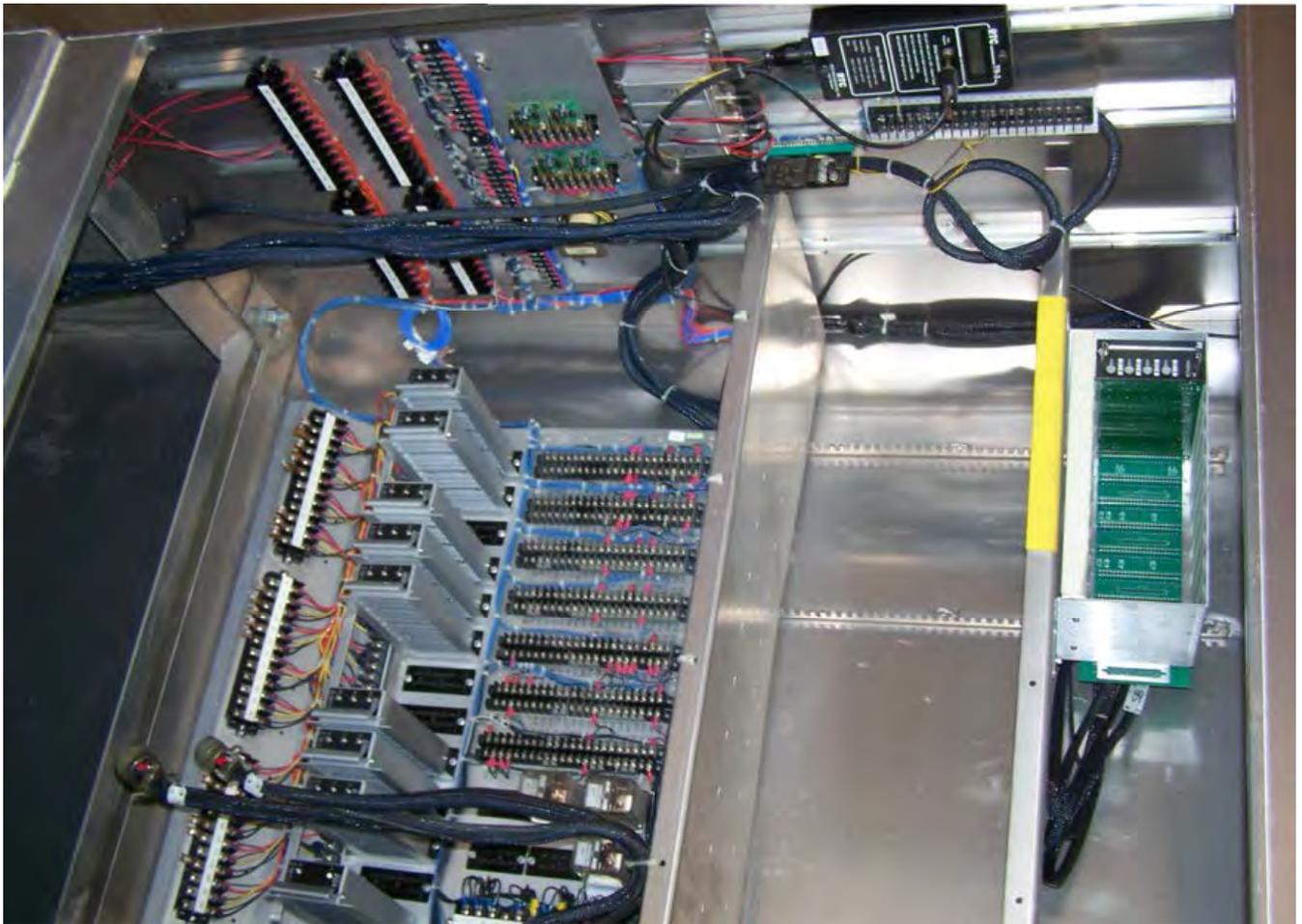


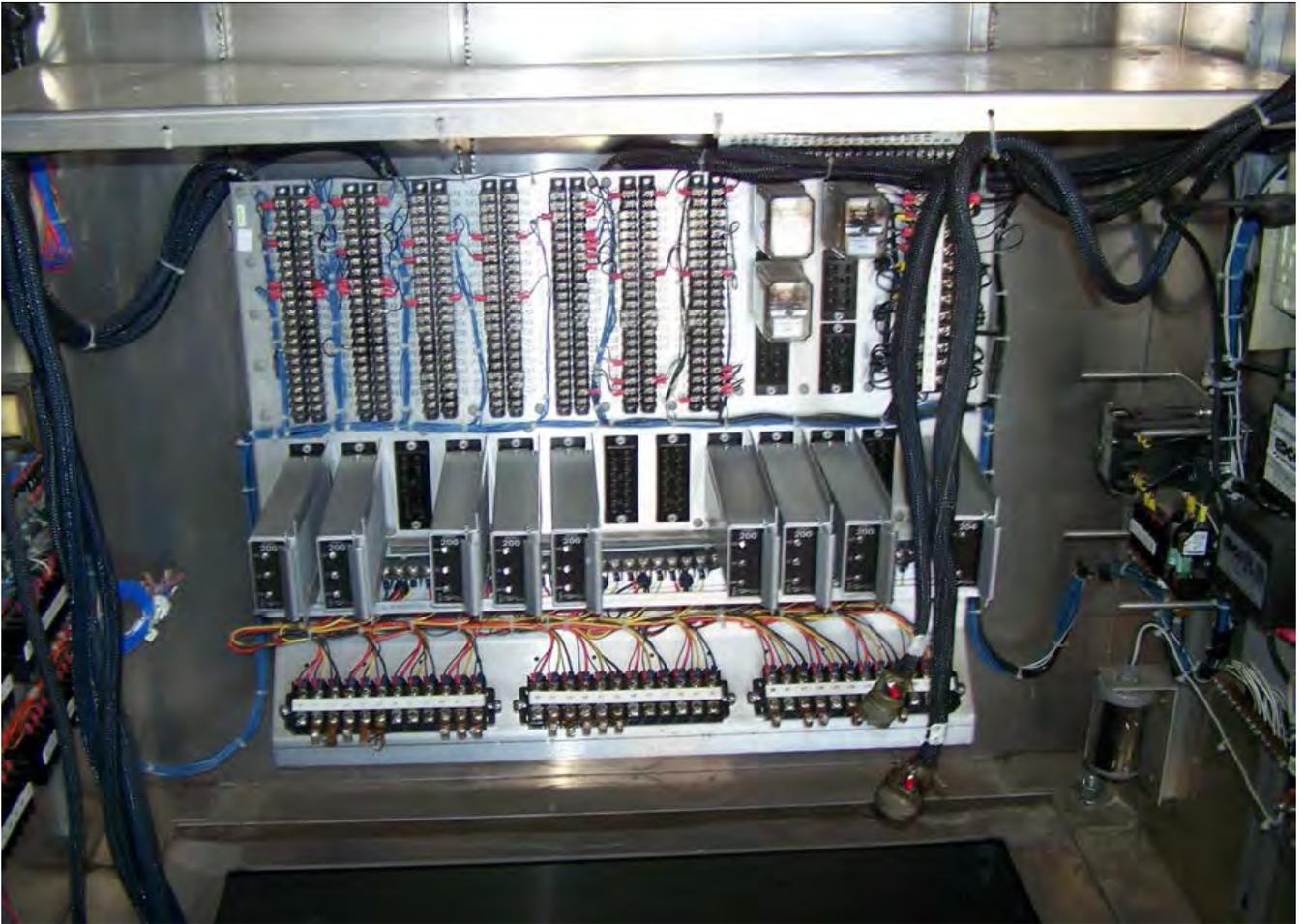
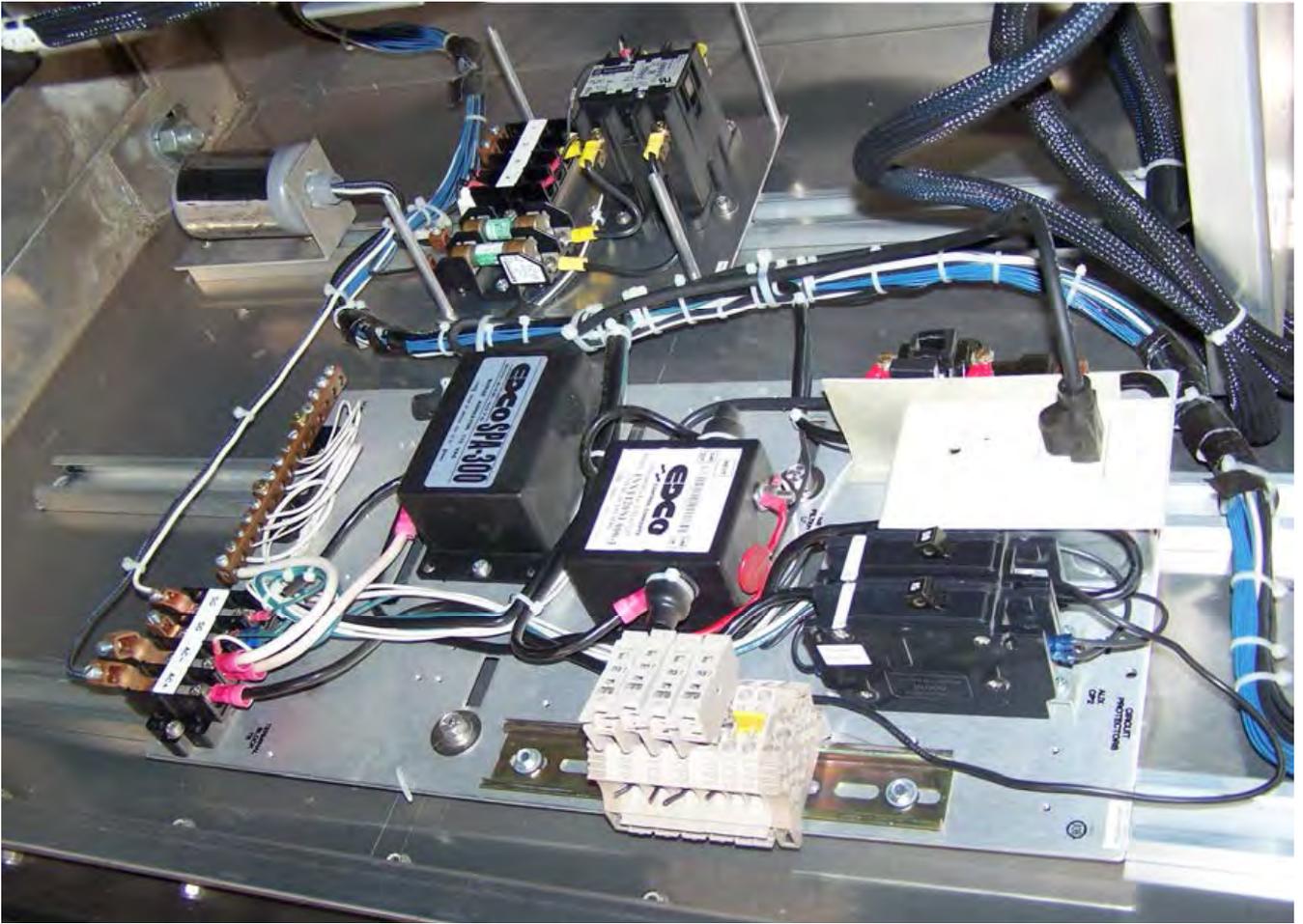




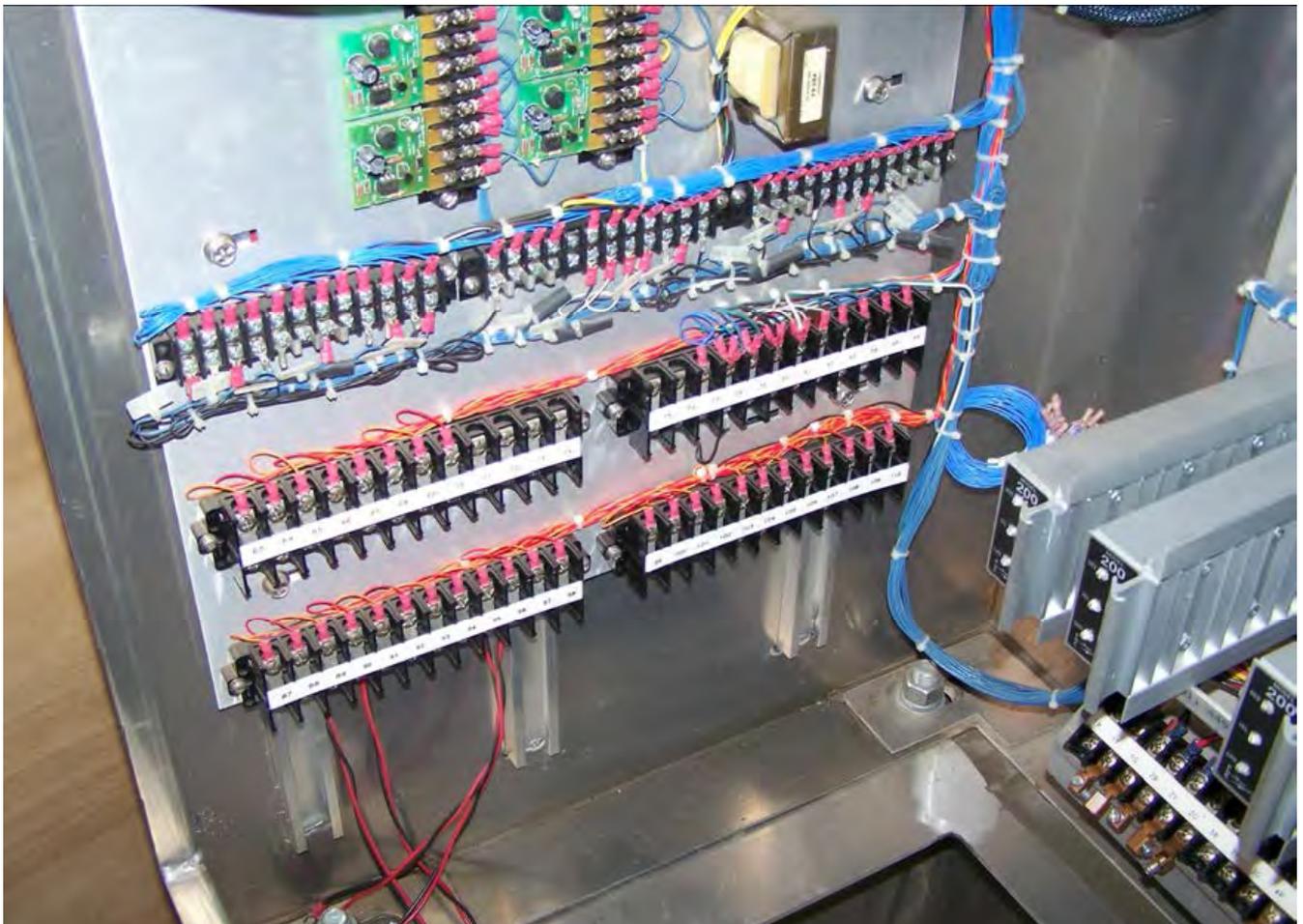


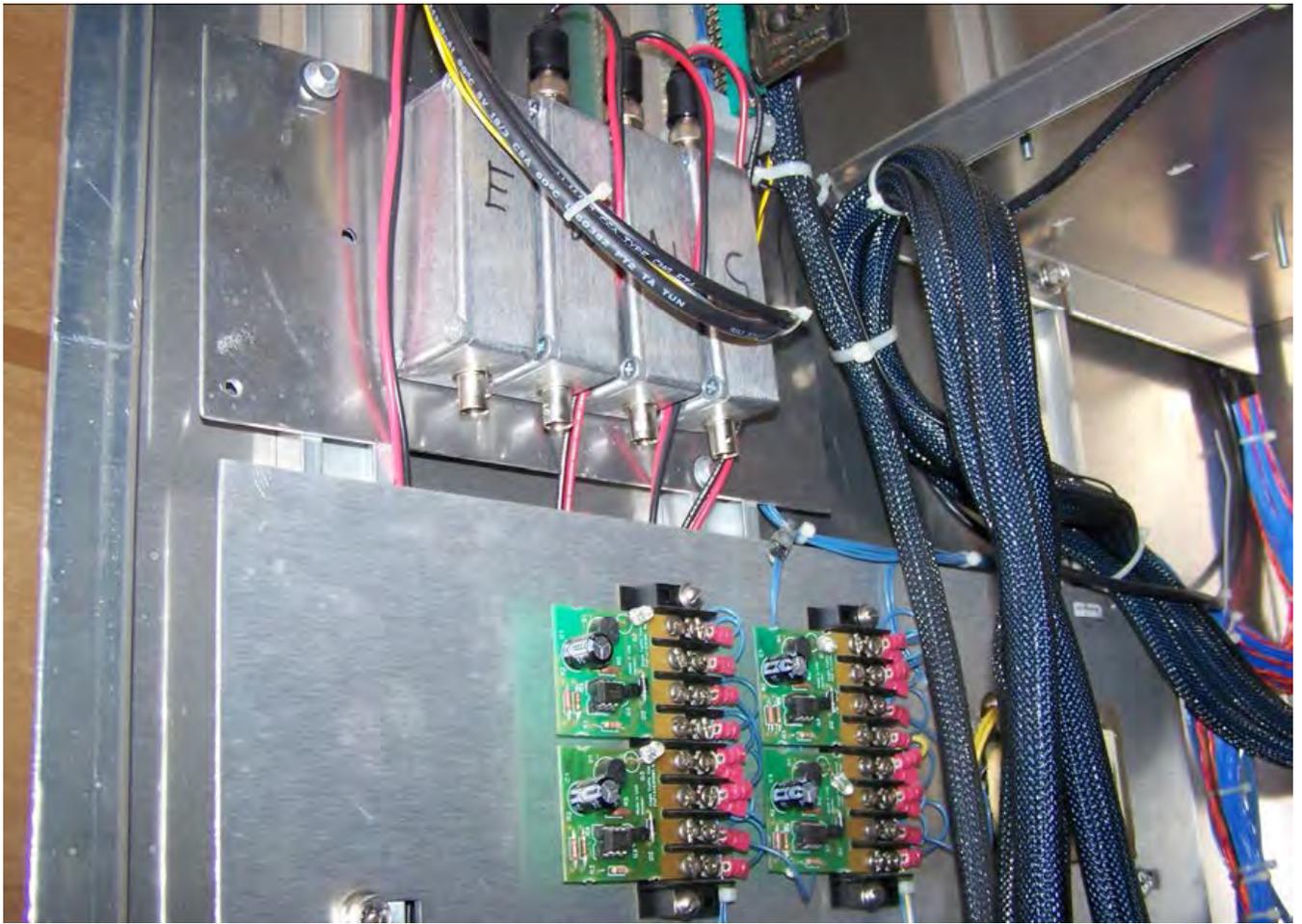












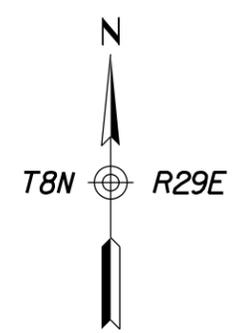
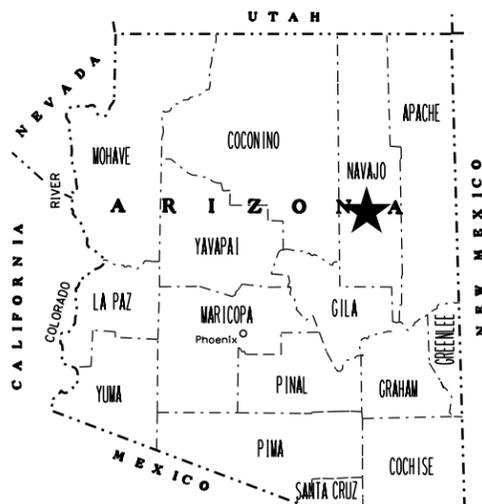
ARTICLE 10 – TECHNICAL SPECIFICATIONS

- 10.0 Technical Specifications Technical Specifications are incorporated into Article 9, SPECIAL PROVISIONS; and Article 11, CONSTRUCTION DRAWINGS. All technical information, standards, and requirements are intended to be within Articles 9 and 11.

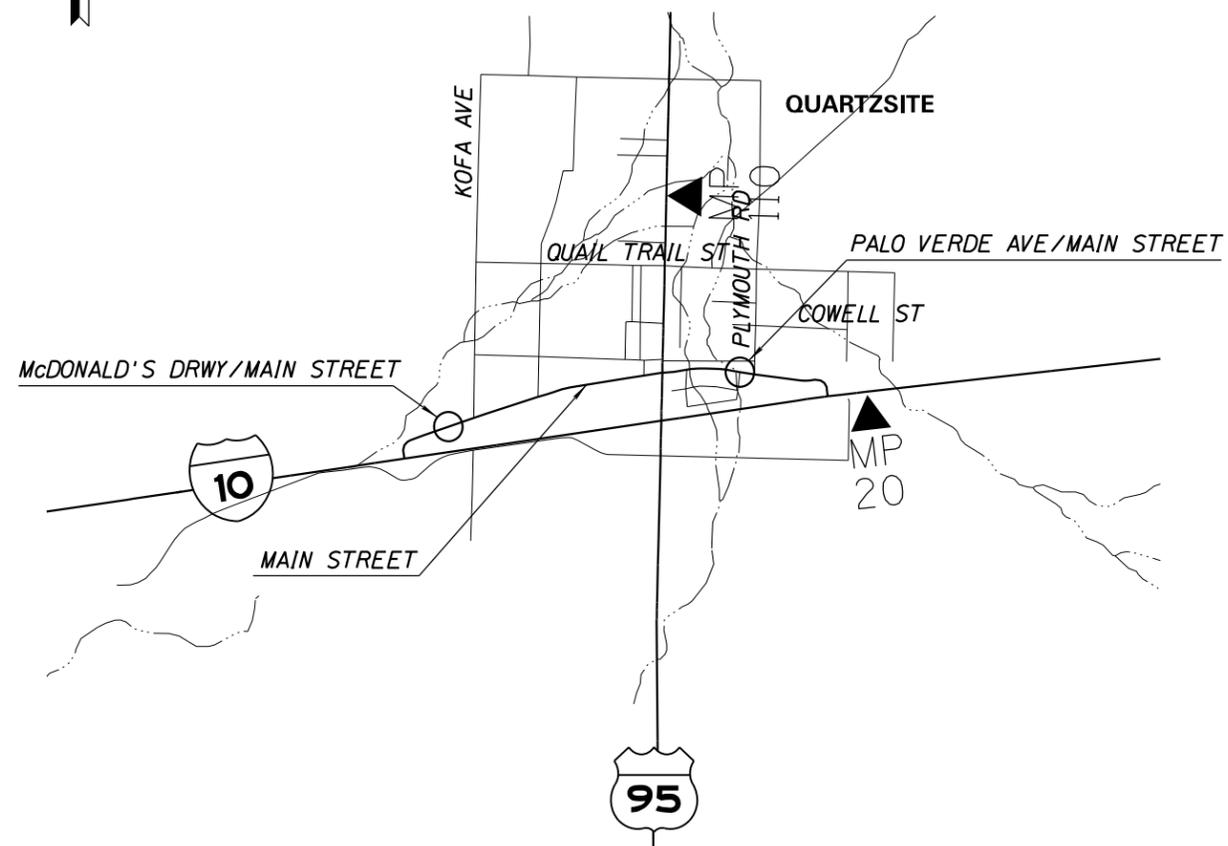
ARTICLE 11 – CONSTRUCTION DRAWINGS

Following is reduced, not-to-scale project improvement plans, provided for reference. The full-size, scaled project improvement plans shall be utilized for construction.

Sheets 1 through 9, inclusive
Prepared by: Scott M. Kelley
AZ Civil Engineer: Number 48269
Seal Date: 4/26/16



PROJECT PLANS
URBANIZED AREA
TOWN OF QUARTZSITE



UTILITY COORDINATION

1. The existence and location of any underground utility or structure depicted hereon are based upon the best available information at the time of the field survey.
1. To the best of our knowledge there are no existing utilities except as shown on these drawings and the Engineer assumes no responsibility as to the accuracy of their depicted location on these drawings.
3. The Contractor shall contact Arizona 811 at (602) 659-7500, 48 hours prior to any construction activity. It is the responsibility of the Contractor to contact all involved if discrepancies exist. The Contractor shall notify the Engineer immediately.

UTILITY COMPANIES

COMPANY NAME	TYPE OF UTILITY	DATE NOTIFIED	DATE RESPONDED
AT&T (714) 963-7964 CONTACT: JOSEPH FORKERT	COAXIAL, FIBER OPTIC	5/11/2015	5/19/2015
ADOT (928) 371-2122 CONTACT: DANNY SOLIZ	CULVERT, STORM DRAIN		
APS (928) 916-8670 CONTACT: STACI ROSS	ELECTRIC	6/19/2015	6/26/2015
TDS TELECOM/SW TELEPHONE (928) 927-7111 CONTACT: SCOTT JONES	COAXIAL, FIBER OPTIC		
TOWN OF QUARTZSITE (928) 927-5461 CONTACT: EMMETT BRINKERHOFF	SEWER, WATER	10/26/2015	3/15/2016

INDEX OF SHEETS

Sheet No.	Sheet Type
1	Face Sheet
2	Ramp Details
3	Pole Elevation Detail
McDonald's Drwy/Main St	
4	HAWK Layout, Signing & Striping
5	Pole and Conductor Schedule
Palo Verde Ave/Main St	
6	HAWK Layout, Signing & Striping
7	Pole and Conductor Schedule
8-9	Sign Summary Sheets

MAIN STREET
HIGH-INTENSITY ACTIVATED CROSSWALKS
(HAWKs)

MCDONALD'S DRWY/MAIN STREET
PALO VERDE AVE/MAIN STREET

PROJECT NO. _____

HORIZONTAL DATUM
NAD83 ARIZONA STATE PLANE COORDINATES
WESTERN ZONE 0203

BENCHMARK	BENCHMARK
N:970465.56	N:968742.38
E:560060.99	E:551666.76
STA:198+62.88	STA:111+91.01

Constructed by:

Construction Company

Completion Date

Red-Lines by:

Construction Administrator Name & Company

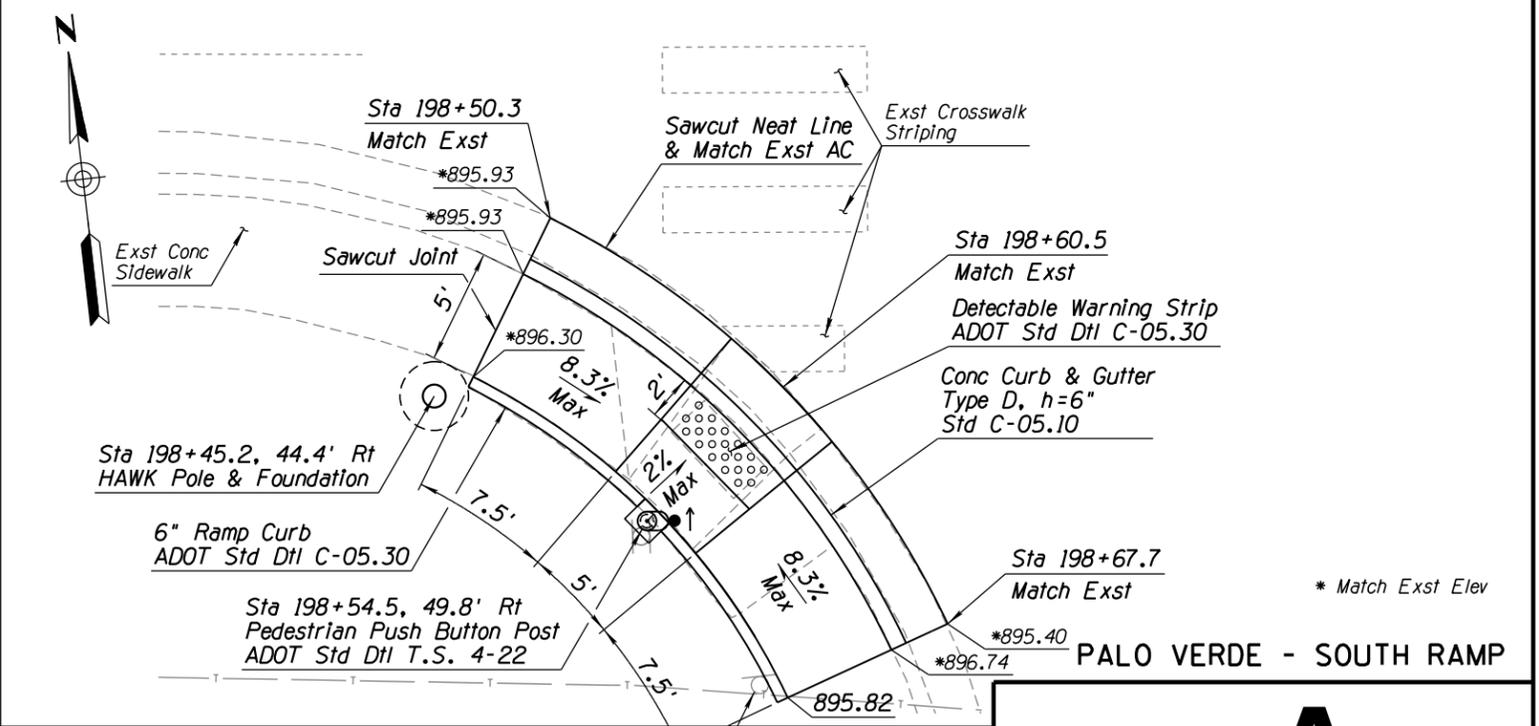
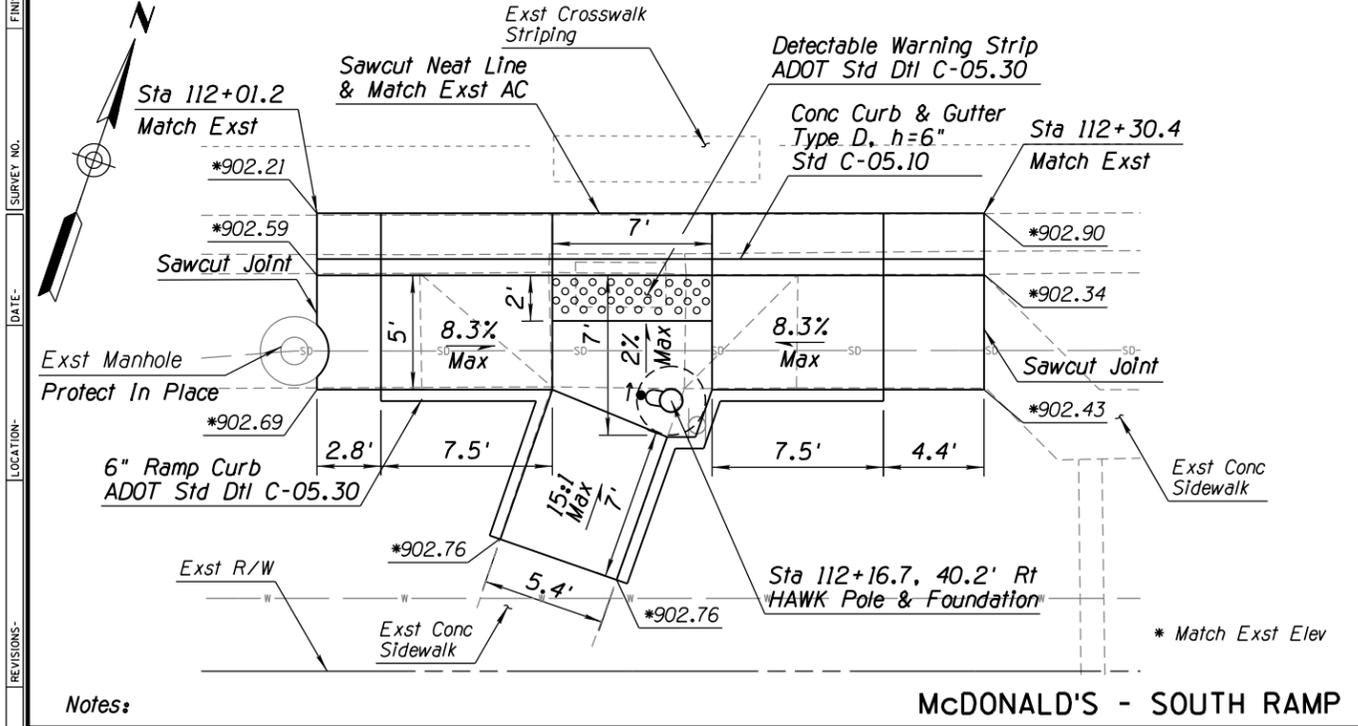
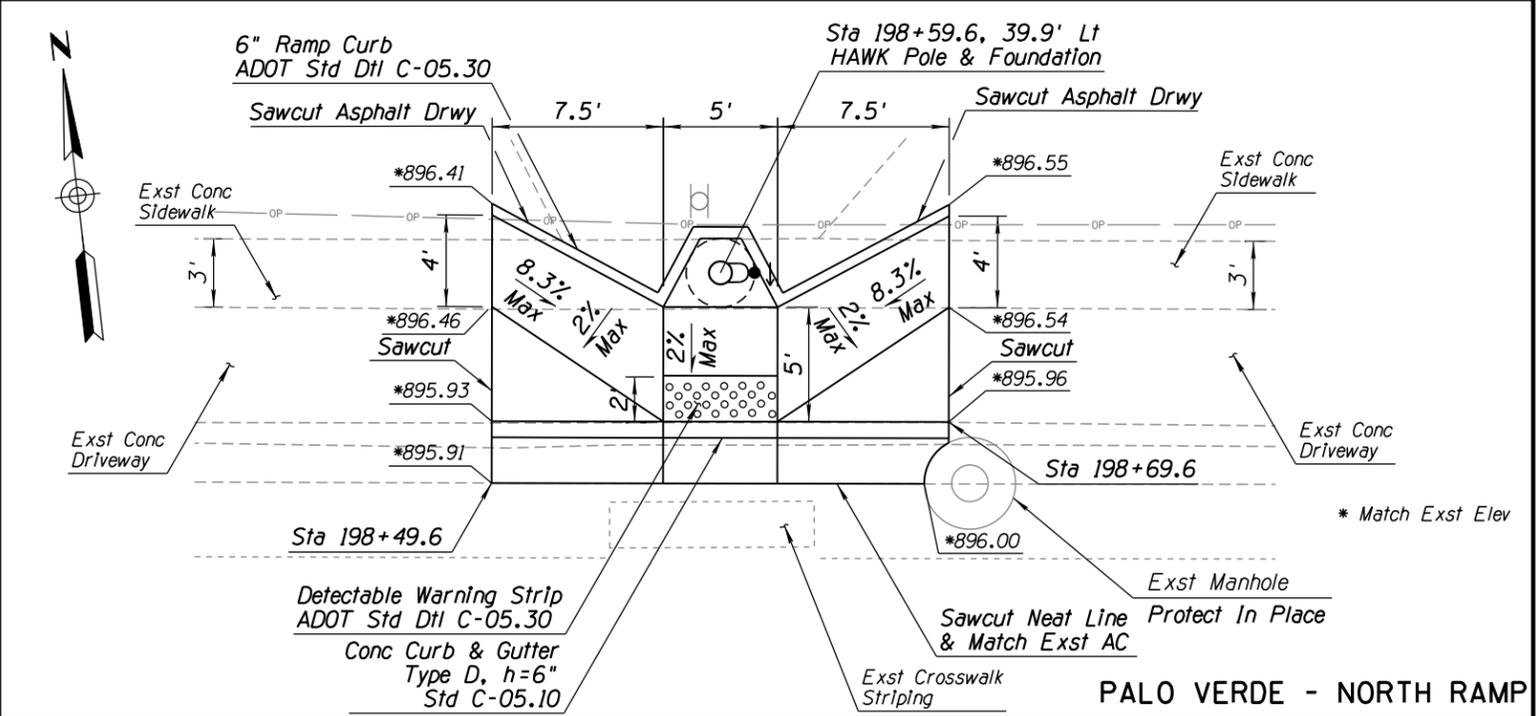
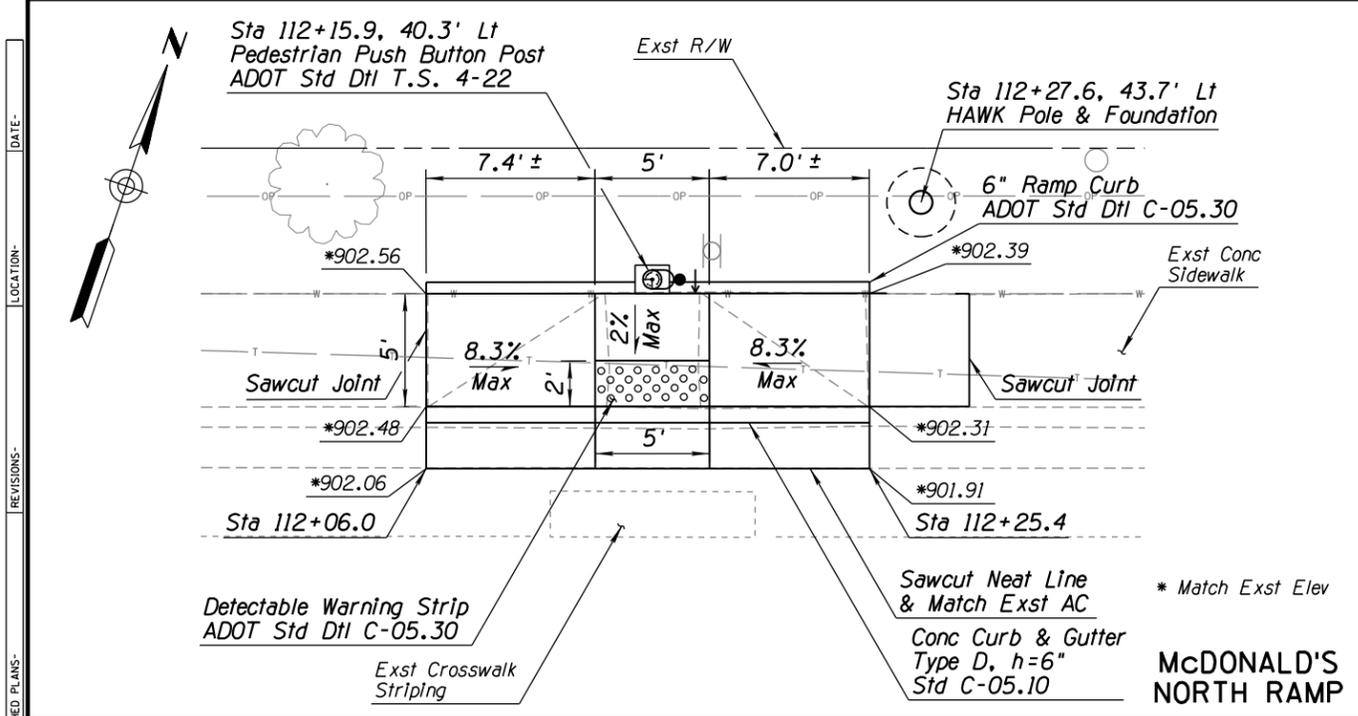
Completion Date

Record Drawing by:

Record Drawing Designer Name & Company

Completion Date

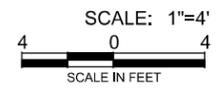
RECORD DRAWING DATA	RECORD DRAWING DATE	_____ OF _____
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- Notes:
1. See ADOT Std Dwg C-5.20 for Installation of Joints and sidewalk.
 2. See ADOT Std Dwg C-05.30 for additional slope and sidewalk ramp information.
 3. The slope of the ramp turning space shall not exceed 2.0% in all directions.
 4. All utilities shown are approximate. The contractor is responsible for verifying all utilities prior to construction.
 5. The maximum horizontal side reach/unobstructed distance to pedestrian push button shall be 10", per 2010 ADA Stds, Section 308.3, Engineer to verify.
 6. All staking points are to the back of curb or back of sidewalk, unless otherwise shown.
 7. The top of all signal pole foundations shall be poured flush with the adjacent sidewalk grade.

DETAIL A

SIDEWALK RAMPS AT MCDONALD'S & PALO VERDE HAWKS



DESIGN	NAME	DATE
SMK		01/16
SDT		01/16
CCC		01/16

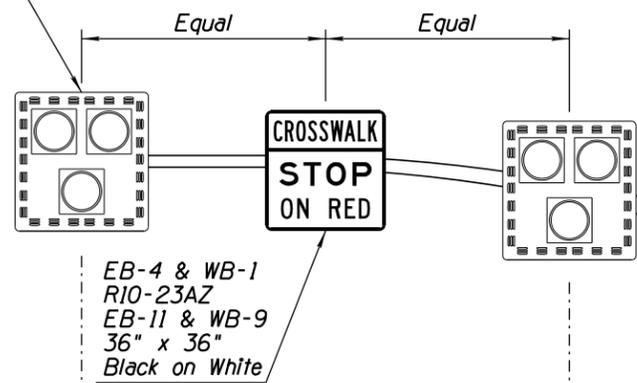
Amec Foster Wheeler Environment & Infrastructure, Inc.		CURB RAMP DETAILS	
ROUTE	LOCATION	MCDONALD'S DRWY/MAIN ST PALO VERDE AVE/MAIN ST	
		EXPIRES 09/30/2017	
		SHEET 2 OF 9	

SURVEY NO. LOCATION DATE REVISIONS FINISHED PLANS DATE SURVEY NO. LOCATION DATE REVISIONS FINISHED PLANS DATE SURVEY NO.

DATE - LOCATION - REVISIONS - FINISHED PLANS - SURVEY NO. DATE - LOCATION - REVISIONS - FINISHED PLANS - SURVEY NO.

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details



CROSSWALK

EB-5 & WB-2
W11-2aAZ
EB-12 & WB-10
60" x 18"
Black on Yellow

EB-6 & WB-3
W11-2
EB-13 & WB-11
36" x 36"
Black on Yellow

EB-6 & WB-3
W16-7PL
EB-13 & WB-11
30" x 18"
Black on Yellow



See T.S. 9-3 for Signal Mounting Details

See T.S. 8-7 for Pedestrian Signal Details

For Pole C
See T.S. 11-1 for Pedestrian Push Button Mounting Details
Install R10-3eLAZ 9" x 12" Pedestrian Plaque

Sidewalk Ramp
See Detail A for Sidewalk Ramp Layout

Face of Curb

Exst Lane Striping (Typ)

Exst Lane

Exst Lane

16' (Typ)
See T.S. 4-21

McDonald's Drwy/Main St
POLES C & E
Pole C EB Sta 112+16.7
Pole E WB Sta 112+22.6

Palo Verde Ave/Main St
POLES D & F
Pole D EB Sta 198+45.2
Pole F WB Sta 198+65.0

New Pole Foundation
See T.S. 4-10
Top of Foundation Flush with Sidewalk Ramp Landing

DESIGN	NAME	DATE
SMK		01/16
SDT		01/16
CCC		01/16

Amec Foster Wheeler Environment & Infrastructure, Inc.		
ROUTE	LOCATION	

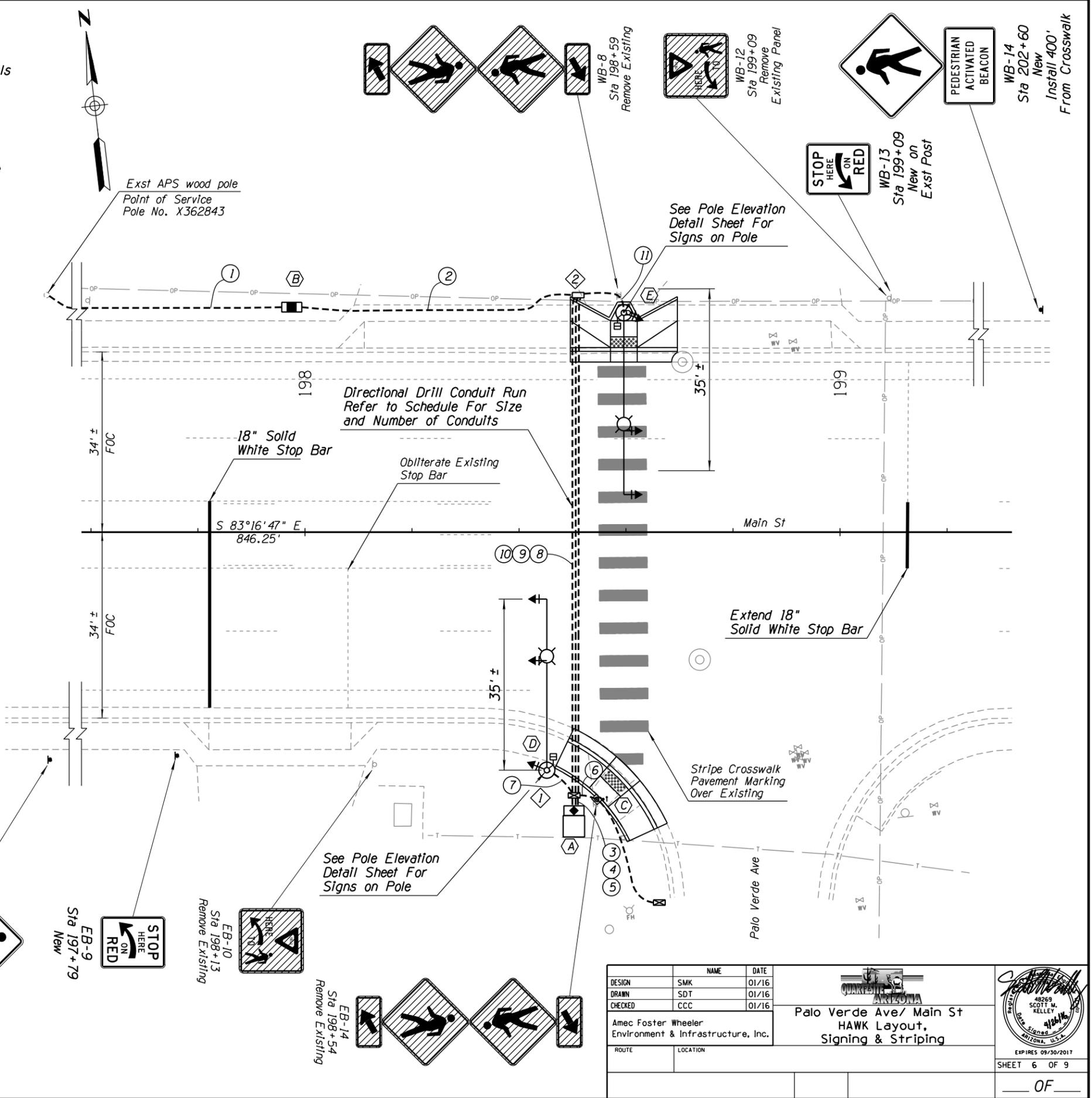
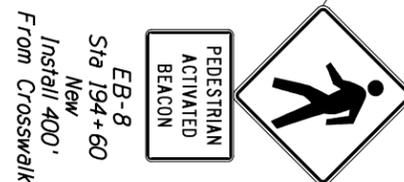
Pole Elevation Details

EXPIRES 09/30/2017
SHEET 3 OF 9

NOTES:

- All material and installation shall conform to the ADOT 2008 Standard Specifications for Road and Bridge Construction, the Special Provisions and ADOT's Traffic Signals and Lighting Standard Drawings.
- Prior to starting any electrical work, contact the Engineer a minimum of 3 working days in advance.
- All pull boxes shall be No. 5 HD 13"x24"x12" or No. 7 HD 17"x30"x24" per ADOT T.S. 1-2 and shall be located behind the sidewalk, as shown, or as directed by the Engineer.
- All conduits shall be 2 inch PVC per the ADOT Standard Specifications.
- The station locations for pull boxes are approximate and shall be verified in the field by the Engineer.
- All pull boxes and conduits shall be placed within Town's right-of-way.
- All conduits shall have a No. 8 AWG bare bond wire installed per Section 732-2.01 of the ADOT Standard Specifications.
- All pull boxes shall be left in a clean condition, free of dirt and debris, upon completion of the work.
- The locations of utilities shown on the plans are approximate. All involved utilities may not be shown on the plans. The Contractor shall be responsible, per Section 730-6 of the ADOT Standard Specifications, for contacting all utilities for exact locations prior to any construction activity.
- For electrical service, the Contractor shall coordinate with Stacie Ross of APS at (928) 916-8670.
- Conduit between meter pedestal and APS wood pole shall contain an APS-approved pull rope (contractor-furnished and installed), leaving 30 feet coiled at base of pole. Sweep conduit to vertical, at base of APS pole, per APS requirements.
- Traffic signal and luminaire mast arms shall be field cut to the required mast arm length shown in Pole Schedule. Tennon for Type II mountings shall be relocated as shown.
- Traffic signal poles, mast arms, luminaires, connecting hardware, covers, control cabinet, and all internal components shall conform to the ADOT Traffic Signals and Lighting Standard Drawings and Standard Specifications.
- Traffic signal poles and mast arm ends shall be raintight capped once installation is completed.
- Contractor to refurbish the control cabinet with the necessary parts to allow for a functioning HAWK signal. In addition, Contractor shall clean and/or scrape metal surfaces and paint, as appropriate and perform appropriate tests to the satisfaction of the Engineer before installation.
- The contractor shall inspect the poles and mast arm and provide the materials and work necessary to recondition the poles so they can be reused. Holes left in the shafts of existing poles and mast arms, due to removal of items such as signal mounting assemblies and the like, shall be repaired and painted with a zinc galvanized paint.

PULL BOX SCHEDULE		
NO.	TYPE	LOCATION
1	#7 w/ Ext	Sta 198+50.3, 49.1' ± Rt (Main St ☿)
2	#7	Sta 198+51.0, 44.2' ± Lt (Main St ☿)



DESIGN	SMK	DATE	01/16
DRAWN	SDT	DATE	01/16
CHECKED	CCC	DATE	01/16

Amec Foster Wheeler
Environment & Infrastructure, Inc.

**Palo Verde Ave/ Main St
HAWK Layout,
Signing & Striping**

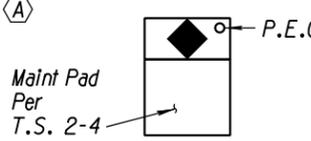
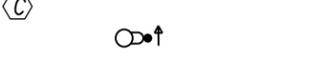
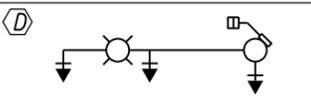
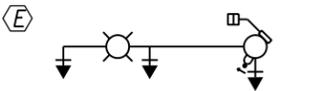
4289
SCOTT M. KELLEY
Professional Engineer
Arizona, U.S.A.
EXPIRES 09/30/2017

SHEET 6 OF 9

OF

DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO. DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO.

POLE SCHEDULE

TRAFFIC SIGNAL CONTROLLER				REMARKS	LOCATION		
CABINET	TYPE	CONTROLLER	AUX. CONTROL				
(A) 	Town Furn. Type IV w/Elevator Base	Town Furnished Eagle m50 with LCD Display	Town Furnished 20-AMP Fused Lighting Contactor & PEC	T.S. 3-9 T.S. 3-10 See Note 1	Engineer To Field Locate Approx as Shown		
(B) 	Type II Meter Pedestal	Fully-Metered Service 120/240 VAC		T.S. 2-6 T.S. 3-5	Engineer To Field Locate Approx as Shown		
POLE	MAST ARM		SIGNALS		P.B.	REMARKS	LOCATION
NO.	TYPE	SIG.	LUM.	MTG.	FACE		
(C) 	PPB Post	-	-	-	-	1-ADA* R10-3eRAZ	Sta 198+54.5 49.8' Rt
(D) 	Town Furn. Q	Town Furn. 35'	Town Furn. 20'	2-II 1-V 1-XI	2-T 1-T 1-M/H*	-	Town Furnished 250W-HPS, 240V Luminaire Sta 198+45.2 44.4' Rt
(E) 	Town Furn. Q	Town Furn. 35'	Town Furn. 20'	2-II 1-V* 1-XI	2-T 1-T 1-M/H*	1-ADA* R10-3eLAZ	Town Furnished 250W-HPS, 240V Luminaire Sta 198+60.0 40.9' Lt

* Town Furnished

CONDUCTOR SCHEDULE

AWG	CIRCUIT	PHASE	NUMBER OF WIRES																		
			1	2	3	4	5	6	7	8	9	10	11								
IMSA	20-Conductor																				
	4-Conductor																				
#10	LIGHTING	240V																			
#8	SIGNAL COMMON																				
	INSULATED BOND (GREEN)																				
#6	SERVICE	120V BLACK																			
	SERVICE	120V WHITE																			
<	SERVICE	120/240 VOLTS																			

- * THE IMSA 20-CONDUCTOR CABLE SHALL BE #14 AWG IMSA 19-1. THE IMSA 4-CONDUCTOR AND 7-CONDUCTOR CABLE SHALL BE #14 AWG IMSA 19-1.
- ⊖ A CRIMP CONNECTION SHALL BE USED FOR SPLICING IN PULL BOX.
- < CONDUCTORS BY APS. CONDUIT WITH APS-APPROVED PULL ROPE, TO BASE OF APS POLE, AND SWEEP UP TO VERTICAL BY CONTRACTOR, LEAVING 30' OF COILED ROPE. CONDUIT PER APS REQUIREMENTS.

NOTES:

1. A raised PCC Pad, 48"x4"x48" shall be placed by the contractor on the front side of the cabinet. Pad shall be set 2" below the foundation elevation and sloped away from the cabinet for drainage (2% min).
2. Electrical service shall be fully metered.
3. See sign details and notes for signs mounted on signal mast arms.
4. The contractor shall contact the Engineer at for review and approval before drilling poles for Ped buttons and signal mountings.
5. Traffic equipment shall be town furnished as noted in the plans, schedules and special provisions.
6. Exact locations and orientations of all poles, pull boxes and cabinets shall be field verified with, and approved by, the Engineer prior to excavation, avoiding conflicts with existing utilities and features.
7. A separate 20-Conductor IMSA cable shall run unspliced from controller cabinet to the side mount terminal compartment of each pole. 7-Conductor IMSA cables shall be used from side mount terminal compartment to each mast arm signal head. 4-Conductor IMSA cables shall be used from side mount terminal compartment to each pedestrian signal and pedestrian push button.

IMSA CABLE ASSIGNMENTS

IMSA CABLE 19-1, #14 AWG, 20-CONDUCTOR		
CONDUCTOR COLOR	TRACER STRIPE	SIGNAL INTERVAL/USE
RED	WHITE	
BLACK	WHITE	
GREEN	WHITE	
RED		RED1
ORANGE		YELLOW
GREEN		
BLACK	RED	
ORANGE	RED	
BLUE	RED	
RED	BLACK	RED2
ORANGE	BLACK	
GREEN	BLACK	
BLUE		WALK
BLACK		DON'T WALK
WHITE	BLACK	PUSH BUTTON
BLUE	WHITE	
RED	GREEN	
WHITE	RED	
WHITE		P.B. COMMON
BLUE	BLACK	

INDIVIDUAL CONDUCTORS IN THE CABLE SHALL BE TAGGED AS TO ASSIGNED SIGNAL INTERVAL/USE.

20-CONDUCTOR IMSA COLOR CODE

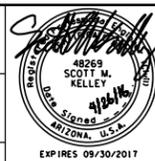
IMSA CABLE 19-1, #14 AWG SOLID, 4-CONDUCTOR & 7-CONDUCTOR					
HYBRID BEACON HEADS		PEDESTRIAN HEADS		PUSH BUTTON	
7-CONDUCTOR CABLE		4-CONDUCTOR CABLE		4-CONDUCTOR CABLE	
BASIC COLOR	SIGNAL INTERVAL	BASIC COLOR	SIGNAL INTERVAL	BASIC COLOR	PUSH BUTTON STATION
RED	RED1	RED	DON'T WALK	RED	PUSH BUTTON
BLACK	RED2	GREEN	WALK	WHITE	P.B. COM.
GREEN	SPARE	WHITE	PED. COM.	GREEN	SPARE
ORANGE	YELLOW	BLACK	SPARE	BLACK	SPARE
BLUE	SPARE				
WHITE	COMMON				
WHT/BLK TR	SPARE				

THE CABLE SHALL BE TAGGED AS TO ASSIGNED PHASE.

4 AND 7-IMSA COLOR CODE

DESIGN	SMK	DATE	01/16
DRAWN	SDT	DATE	01/16
CHECKED	CCC	DATE	01/16
Amec Foster Wheeler Environment & Infrastructure, Inc.		Palo Verde Ave/Main St Pole & Conductor Schedules	
ROUTE	LOCATION		
			
			EXPIRES 09/30/2017
			SHEET 7 OF 9
			OF

Plan Sht No.	Sign Number	Sign Code	Work Existing					Mounting Height (ft)	Background Color	Panel						Ground Mounted				Overhead		Remarks						
			New	Replace Panel	Relocate Panel	Modify Legend	Remove To Remain			Offset (ft)	Legend	Width (in)	Height (in)	Area (sq. ft.)	Type	Sheeting Type*	Bid Item Number	Foundations	Posts		New Slip Bases		Stringer	Structure Type	# of Lights			
																			Type	Total length (ft)						Type	Total Length (ft)	
McDonald's Drwy/Main St HAWK																												
	EB-1	W11-2	X					12	7	YL	Pedestrian Crossing Symbol	30	30	6.3	RWM	464-04	1	2 1/2S	14									
	+	W11-104P	X							YL	PEDESTRIAN ACTIVATED BEACON	36	24	6.0	RWM	464-04												
	EB-2	R10-6a	X							WH	STOP HERE Arrow ON RED	24	30	5.0	RWM	464-04												Mount on existing post (EB-3)
	EB-3	R1-5L				X					YIELD HERE Arrow TO Pedestrian					350-03												Remove panel, mount EB-2 on post
	EB-4	R10-23AZ	X							WH	CROSSWALK STOP ON RED	36	36	9.0	RWM	464-04												Mount on mast arm
	EB-5	W11-2aAZ	X							YL	CROSSWALK	60	18	7.5	RWM	464-04												Mount on mast arm
	EB-6	W11-2	X							YL	Pedestrian Crossing Symbol	36	36	9.0	RWM	464-04												Mount on pole
	+	W16-7PL	X							YL	Diagonal Arrow Plaque Left	30	18	3.8	RWM	464-04												Mount on pole
	EB-7	W11-2				X					Pedestrian Crossing Symbol					350-02												
	+	W16-7PL				X					Diagonal Arrow Plaque Left																	
	-	W11-2				X					Pedestrian Crossing Symbol					350-02												
	-	W16-7PL				X					Diagonal Arrow Plaque Left																	
	WB-1	R10-23AZ	X							WH	CROSSWALK STOP ON RED	36	36	9.0	RWM	464-04												Mount on mast arm
	WB-2	W11-2aAZ	X							YL	CROSSWALK	60	18	7.5	RWM	464-04												Mount on mast arm
	WB-3	W11-2	X							YL	Pedestrian Crossing Symbol	36	36	9.0	RWM	464-04												Back to Back
	+	W16-7PL	X							YL	Diagonal Arrow Plaque Left	30	18	3.8	RWM	464-04												Back to Back
	WB-4	W11-2				X					Pedestrian Crossing Symbol																	Back to Back
	+	W16-7PL				X					Diagonal Arrow Plaque Left																	Back to Back
	-	W11-2				X					Pedestrian Crossing Symbol																	
	-	W16-7PL				X					Diagonal Arrow Plaque Left					350-02												
	WB-5	R1-5L				X					YIELD HERE Arrow TO Pedestrian					350-03												Remove panel, mount WB-6 on post
	WB-6	R10-6a	X							WH	STOP HERE Arrow ON RED	24	30	5.0	RWM	464-04												Mount on existing post (WB-5)
	WB-7	W11-2	X					12	7	YL	Pedestrian Crossing Symbol	30	30	6.3	RWM	464-04	1	2 1/2S	14									
	+	W11-104P	X							YL	PEDESTRIAN ACTIVATED BEACON	36	24	6.0	RWM	464-04												

Notes: 1. The engineer shall verify post lengths, elevations, cantilever column and mast arm lengths, and elevations for the Engineer's approval. 2. The Engineer may shift a sign in order to achieve a more desirable location. 3. Quantities are approximate and for the Contractor's information only.	Note: Markers and Ground Mount Guide Signs are Sheeting Type IX or XI. Regulatory, warning and Over-head Guide Signs are Sheeting Type XI. Panel Types: RWM: Regulatory, Warning, or Marker F-DA: Flat-sheet aluminum with demountable characters Ext: Aluminum extrusions	BACKGROUND COLORS: RD = RED BK = BLACK BL = BLUE GR = GREEN YL = FLUORESCENT YELLOW BR = BROWN WH = WHITE OR = ORANGE	Stringer Types: P: Square-tube post T: T-section (WT 3x6)	<table border="1"> <tr> <th>DESIGN</th> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>SMK</td> <td></td> <td>01/16</td> </tr> <tr> <th>DRAWN</th> <td>SDT</td> <td>01/16</td> </tr> <tr> <th>CHECKED</th> <td>CCC</td> <td>01/16</td> </tr> </table>	DESIGN	NAME	DATE	SMK		01/16	DRAWN	SDT	01/16	CHECKED	CCC	01/16	 SIGN SUMMARY SHEET Amec Foster Wheeler Environment & Infrastructure, Inc.	 SHEET 8 OF 9 OF
				DESIGN	NAME	DATE												
				SMK		01/16												
DRAWN	SDT	01/16																
CHECKED	CCC	01/16																
ROUTE	LOCATION																	

