

ADDENDUM TO THE CONTRACT DOCUMENTS	Page Number 1	No. of Pages 4
Addendum No. One	Date Addendum Issued: August 17, 2016	
Issuing Office Division of Parks and Outdoor Recreation 550 West 7 th Ave., Suite 1340, Anchorage, Alaska 99501 Phone: 269-8731 Fax: 269-8917	Previous Addenda Issued None	
Project: DSP: Visitor Center Complex Paving, Project No.: 74034-5	Date and Hour of Bid Opening August 26, 2016 at 2:00 PM prevailing time	

NOTICE TO BIDDERS

Bidder must acknowledge receipt of this addendum prior to the hour and date set for the Bid Opening by one of the following methods:

- (a) By acknowledging receipt of this addendum on the bid submitted.
- (b) By telegram or telefacsimile which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any bid received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a bid already submitted, such modification may be made by telegram or telefacsimile provided such a telegram or telefacsimile makes reference to this addendum and is received prior to the opening hour and date specified above.

Bid Package is modified as follows:

Add Standard Drawing T-32.10 (Attachment A)

Add Standard Drawing T-34.01 (Attachment B)

Replace Page 20 of the Specifications with the attached Page 20 (Attachment C)

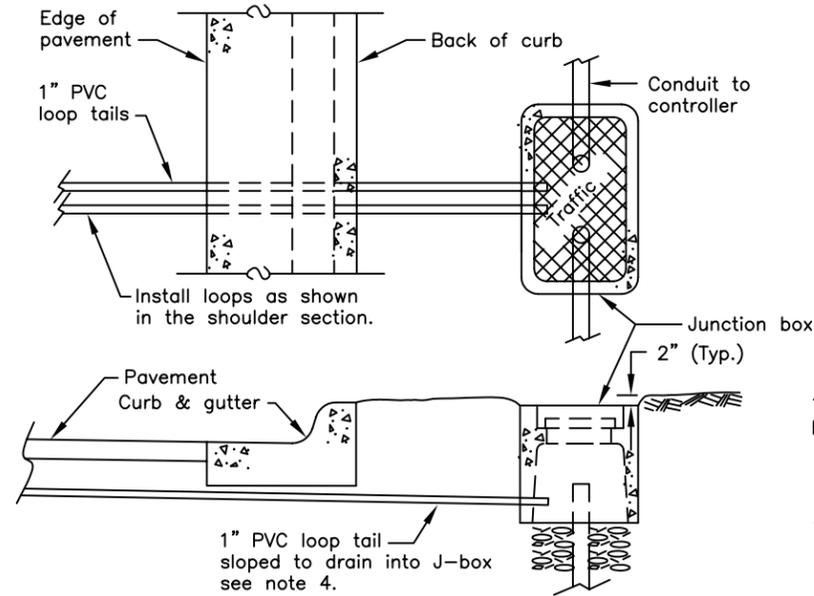
**Bidders are required to acknowledge this addendum on the proposal form
or by FAX prior to the bid opening.**

Addendum Number One(1) received.

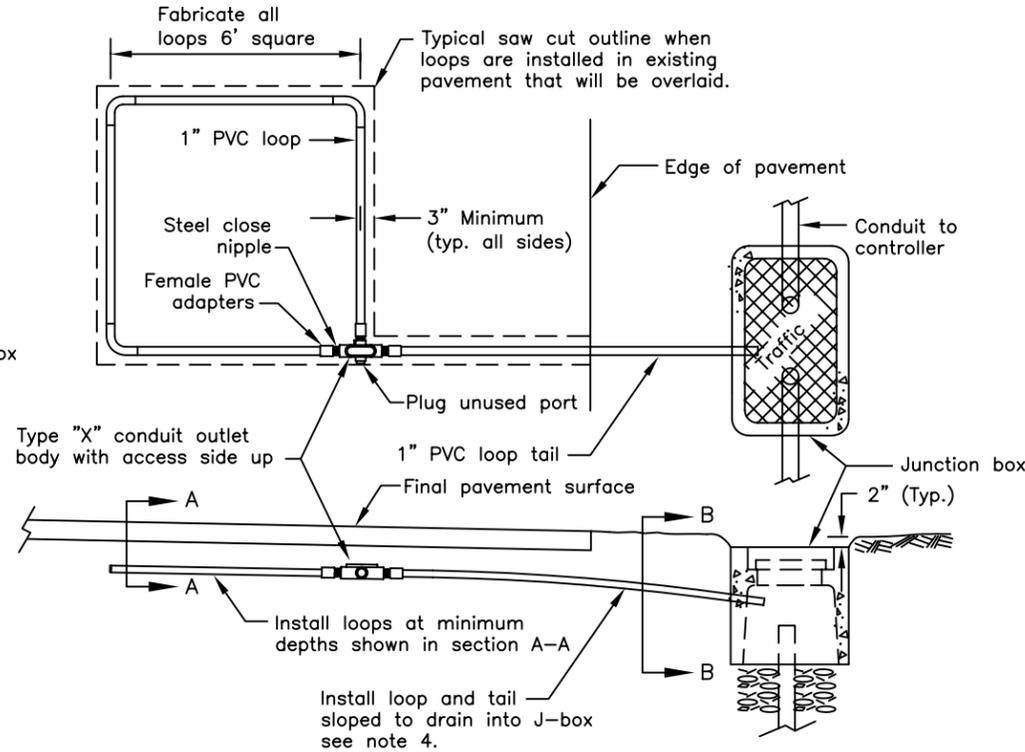
Name/Title Date

Firm

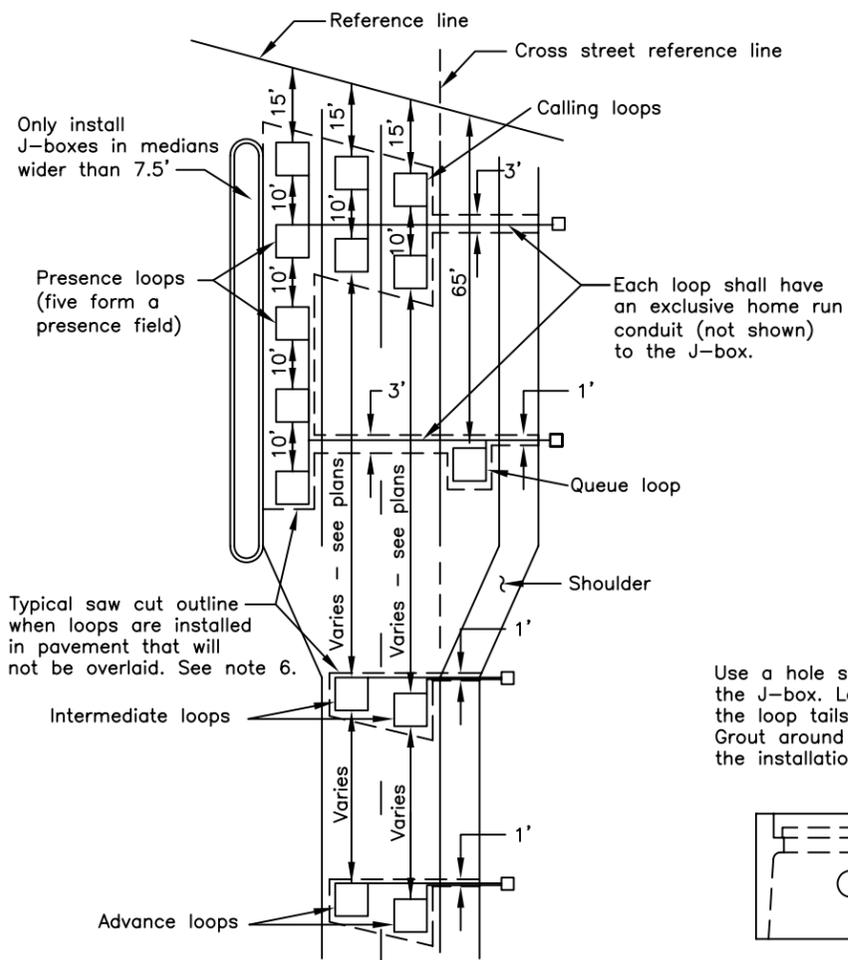
END OF ADDENDUM



CURB SECTION



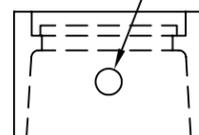
SHOULDER SECTION



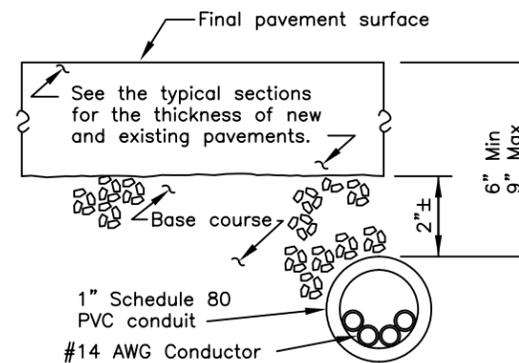
TYPICAL LOOP SETBACKS

Measure the setbacks from the reference line along the center of each lane.

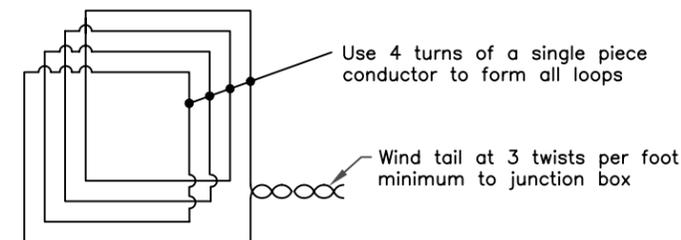
Use a hole saw to cut loop tail entry into the J-box. Locate the hole to ensure the loop tails drain into the J-box. Grout around the loop tails to complete the installation.



VIEW B-B



SECTION A-A



LOOP WIRING DETAIL

TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION

GENERAL NOTES

- Solvent weld all PVC to PVC joints. Use hot dip galvanized steel type X outlet bodies to join the loops and tails.
- Use tube loop wire per IMSA specification 51-5 with the optional polyethylene tubing.
- Install and test all loop detectors before overlaying the existing pavement or paving the new roadway.
- Drill five 1/4" weep holes on 12" centers in the underside of the conduit at the low spot when the loop and tail cannot be installed to drain into the J-box. If the Engineer allows 90 degree elbows to be used, drill a 1/4" hole in the low point.
- When installing loop detectors in existing pavement, cut the asphalt with a saw and remove all asphalt within the saw cut.
- Where existing pavement will not be overlaid, cut the pavement with a saw as follows:
 - Remove all pavement from the length of the five loop presence fields.
 - Enclose all loops that enter a common junction box within one saw cut area.
 - Cut to within 12" of lane and edge lines to preserve them.
 - Remove asphalt to gutter where there are no edge lines.
 - Cut across lane lines when loops are side by side.
 - Cut trenches crossing a lane a minimum of 3' wide.
 - Cut trenches crossing a shoulder a minimum 12" wide.
- Heat and tack coat the edges of existing pavement before paving cutouts. Compact the asphalt mixture with a self-propelled steel wheeled roller. Furnish asphalt mix that conforms to section 401 of the Specifications, and is approved by the Engineer. Maintain the replacement asphalt temperature at the mixing temperature specified in the approved mix design until compaction has begun.
- To establish the reference lines, extend the right edges of the outermost through lanes across the intersection.

REVISIONS		
Date	Description	By

Sheet 1 of 1

State of Alaska
Department of Transportation
& Public Facilities

**LOOP DETECTOR
INSTALLATION**



APPROVED

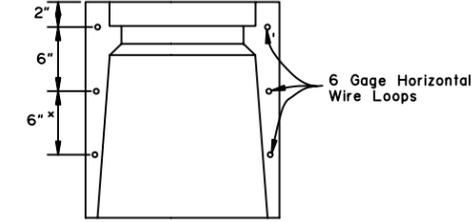


Date 2/28/03

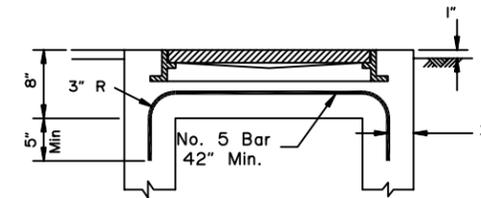
GENERAL NOTES:

- Each frame and cover for Type II and Type III junction boxes shall be of cast iron for light duty use with a minimum weight of 210 pounds. Covers for type I & IA junction boxes shall be either aluminum or cast iron.
- Junction boxes located in a sidewalk shall be installed with a 1/2" preformed bituminous joint material around its perimeter.
- All conduits shall be bonded to form a continuous electrically secure system with the ground at the load center junction box.
- All junction box covers shall be bonded to ground with copper braid of #8 AWG cross section. For types I & IA, the length shall be 3 feet, and 5 feet for types II & III.
- All conduits shall be grouted in knockout sections in accordance with the Alaska Specifications for Highway Construction, latest edition.
- Junction boxes shall be set flush with the surrounding surface except in an unpaired shoulder, when they shall be located 2" below grade.

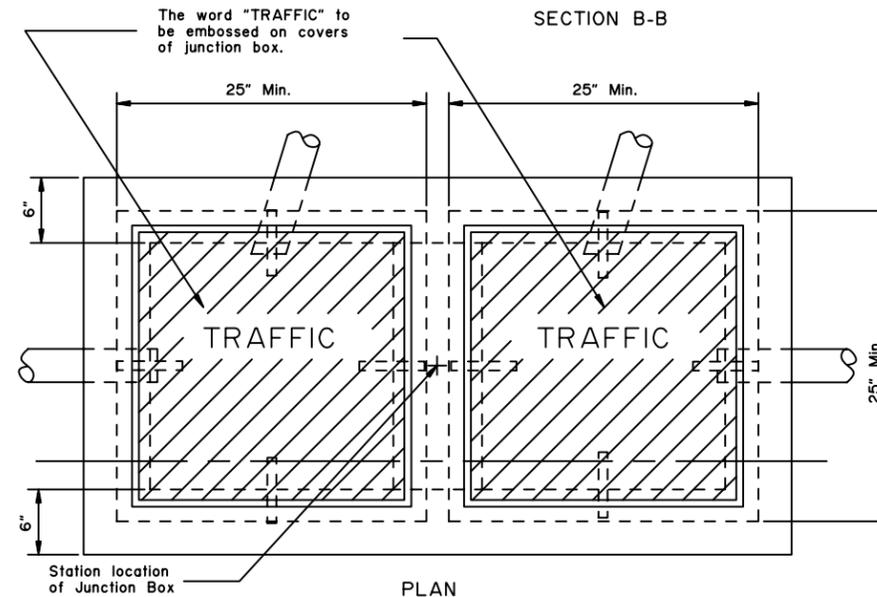
DIMENSIONS (IN.)		
	TYPE I	TYPE I-A
A	15	22 3/4
B	10	13 1/4
C	1 3/4	2
D	13 1/2	21 1/4
E	8 1/2	11 3/4
F	12	18
G	1 3/4	2
H	19 1/2	27 1/4
J	14 1/2	17 3/4
K	8 3/4	14 1/2



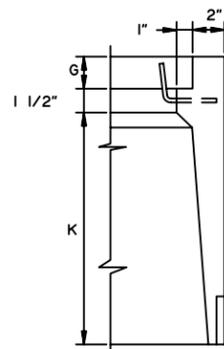
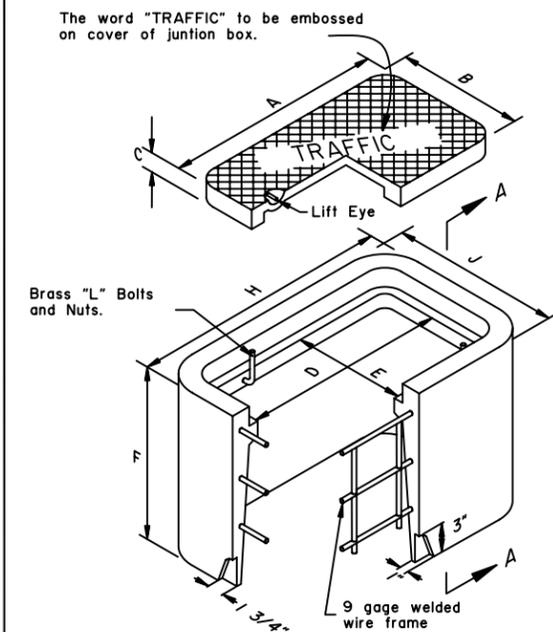
ALTERNATE REINFORCING
*Type I-A Only



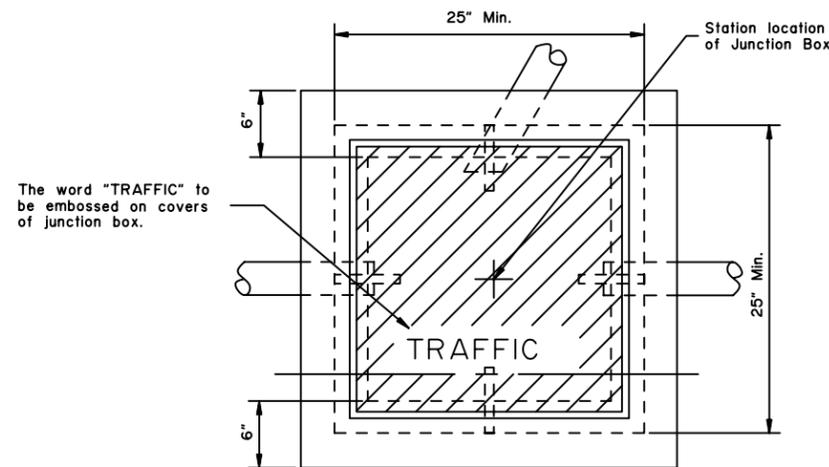
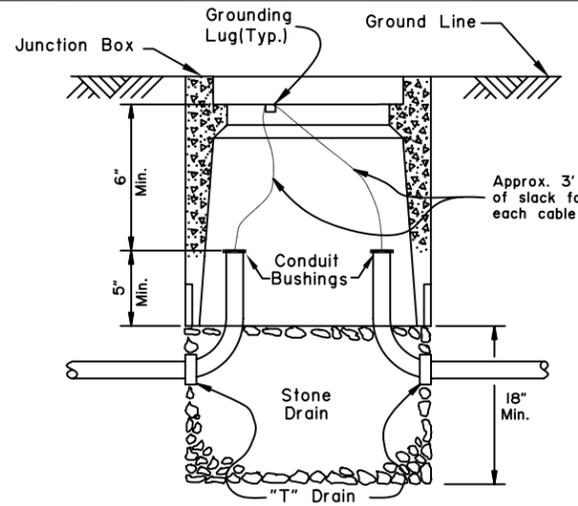
SECTION B-B



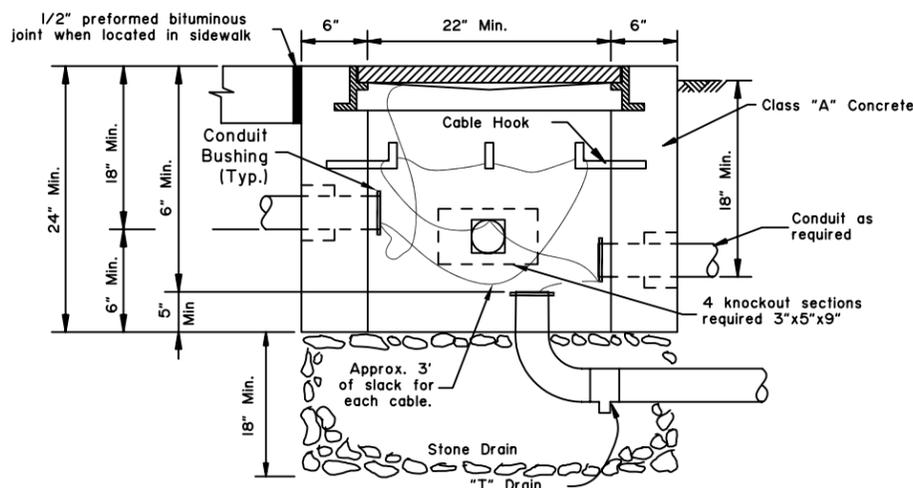
PLAN



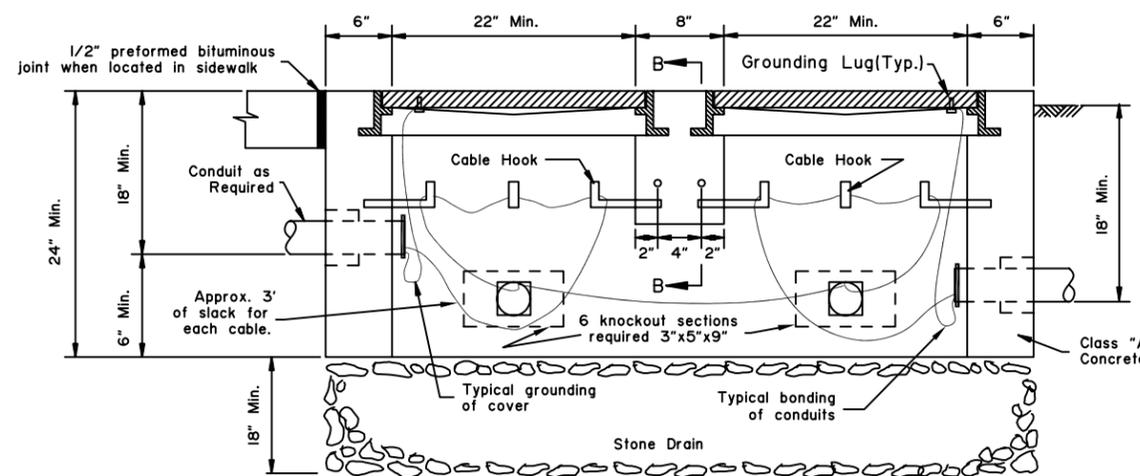
TYPE I & I-A JUNCTION BOX



PLAN



ELEVATION
TYPE II JUNCTION BOX



ELEVATION
TYPE III JUNCTION BOX

REVISIONS		
Date	Description	By
4/1/93	Modify Type II & III	Gdo

State of Alaska
Department of Transportation
& Public Facilities

**JUNCTION BOXES FOR
TRAFFIC SIGNALS**



Date 7/15/82

Add the following Section:

SECTION 669

AUTOMATED TRAFFIC RECORDERS

669-1.01 DESCRIPTION. This work shall consist of furnishing and installing traffic count stations for the automated collection of traffic data on an intermittent or permanent basis. The Automated Traffic Recorder (ATR) station is a vehicle detection system.

System is defined as follows:

1. An Intermittent ATR station shall consist of the following:
 - a. inductive loops detectors for detecting the presence of vehicles, and
 - b. underground conduit, junction boxes, cabinet, and wiring as specified on the Plans.

669-1.02 REGULATIONS AND CODE. Materials and workmanship shall conform to the standards of the Underwriters Laboratories, Inc. and the National Electrical Safety Code and local safety code requirements, where applicable.

Electrical equipment shall conform to the standards of the National Electrical Manufacturers Association, where applicable.

669-2.01 MATERIALS. The materials provided for the work shall be new, unless otherwise stated and must meet the following requirements:

1. Wiring. Wiring shall be according to subsection 660-2.09(A), Wiring. Single wire conductors and cables shall have clear, distinctive and permanent markings on the outer surface throughout the entire length giving the manufacturer's name or trademark, the insulation type and letter designation, the conductor size, voltage rating and the number of conductors if a cable.
2. Conduit. Conduit shall be according to subsection 660-2.05, Conduit. Nylon pull cords shall be left in 2-inch conduit.
3. Junction Boxes. Junction boxes shall be according to subsection 660-2.06, Junction Boxes. Junction boxes used for ATR installations shall not contain conductors carrying a voltage over 50 volts. **Junction Box Type 1a shall be used.**