

Council Action:	
Approved: <input checked="" type="checkbox"/>	Denied: <input type="checkbox"/>
Date of Action: 10/4/19	
Verified by: <i>[Signature]</i>	

CITY COUNCIL ACTION MEMORANDUM

AM No. 19-46: Contract Award To Alcan Electrical & Engineering, Inc. In The Amount Of \$312,615 For The Wasilla Airport Gate A Access Control Improvements Project.

Originator: Public Works Director
 Date: September 25, 2019

Agenda of: October 14, 2019

Route to:	Department Head	Signature	Date
X	Public Works Director	<i>[Signature]</i>	9/25/19
X	Finance Director	<i>[Signature]</i>	9/25/19
X	Deputy Administrator	<i>[Signature]</i>	9/25/19
X	City Clerk	<i>[Signature]</i>	9/25/19

Reviewed by Mayor Bert L. Cottle: *[Signature]* 9/25/2019

Fiscal Impact: yes or no **Funds Available:** yes

Account name/number: Gate A Security Imp-FAA/330-4379-437.45-23 \$293,077
 Gate A Security Imp-Match/330-4379-437.45-30 \$19,538

Attachments: Alcan Bid Proposal (3 pages)
 Project Diagrams (4 pages)

Summary Statement: This project was advertised through Invitation to Bid No. 0627-0-2019/AG on June 27, 2019. Alcan Electrical & Engineering, Inc. provided the only bid for this project. The Alcan bid proposal was submitted to FAA with the City’s grant application for this project. FAA approved the Alcan bid proposal and issued the grant to the City for federal funding as part of their FFY 2020 programming.

This project will install approximately 900 linear feet of fiber optic cable from the existing system at Gate C and extending it to Gate A connecting to the City’s control management system at the airport. A new fiber optic distribution panel will be installed at Gate A to allow the gate to be programed by city staff.

Staff Recommendation: Approve contract award to Alcan Electrical & Engineering, Inc. in the amount of \$312,615 for the Wasilla Airport Gate A Access Control Improvements project.

**BID PROPOSAL
(CERTIFICATION)**

TO: CITY OF WASILLA
CITY HALL
290 E HERNING AVENUE
WASILLA, ALASKA 99654

SUBJECT: Invitation to Bid No. 2019-1702

PROJECT TITLE: **Wasilla Municipal Airport Gate A Access Control Improvements**

Pursuant to and in compliance with subject Invitation to Bid, and other Contract documents relating thereto, the bidder hereby proposes to furnish all labor and materials and to perform all Work for the construction of the above-referenced project in strict accordance with the Contract documents at the prices established in the Bid Proposal, Pages BP-2 through BP-3 submitted herewith.

The bidder agrees, if awarded the Contract, to commence and complete the Work within the time specified in the Contract documents.

The bidder acknowledges receipt of the following Addenda:

Addendum No. & Date #1 - 07/09/2019
Addendum No. & Date #2 - 07/10/2019
Addendum No. & Date _____

Addendum No. & Date _____
Addendum No. & Date _____
Addendum No. & Date _____

Enclosed is Bid Bond in the amount of
10%

(Percentage of Bid)

Type of Business Organization

The bidder, by checking the applicable box, represents that it operates as:

a corporation incorporated under the laws of the State of Alaska a joint venture
 an individual a partnership a nonprofit organization

If a partnership or joint venture, identify all parties on a separate page.

Bidder/Company Name
Alcan Electrical & Engineering, Inc

Alaska Contractor's License
Number: AA1870

Address of Bidder
6670 Arctic Spur Rd
Anchorage, AK 99518

Employer's Tax Identification
Number: 99-0145841

Telephone Number 907-563-3787

Signature


CITY OF WASILLA
 GATE A ACCESS CONTROL IMPROVEMENTS
 BID PROPOSAL

SCHEDULE A - BASE BID - Gate A Access Control Improvements

Item No.	Work Description	Estimated Quantity	Unit Price	Total Bid Price
A-1	F&I Gate Operator and Controller Power Conductors Per Linear Foot	1,135	5.00	\$5,675
A-2	Install Fiber Optic Cable in Pavement Per Linear Foot	80	185.00	\$14,800
A-3	Install Fiber Optic Cable in Grass/Gravel Per Linear Foot	820	177.00	\$145,140
A-4	F&I Fiber Optic Distribution Panel Per Each	1	28,000	\$28,000
A-5	F&I Vehicle Access Gate Control System Per Each	1	65,000	\$65,000
A-6	F&I Gate Operator Per Each	1	54,000	\$54,000

Total Schedule A \$312,615

CITY OF WASILLA
GATE A ACCESS CONTROL IMPROVEMENTS
BID PROPOSAL

SUMMARY

Schedule	Bid Amount
Schedule A - Base Bid - Gate A Access Control Improvements	\$312,615.00

TOTAL BID \$312,615.00

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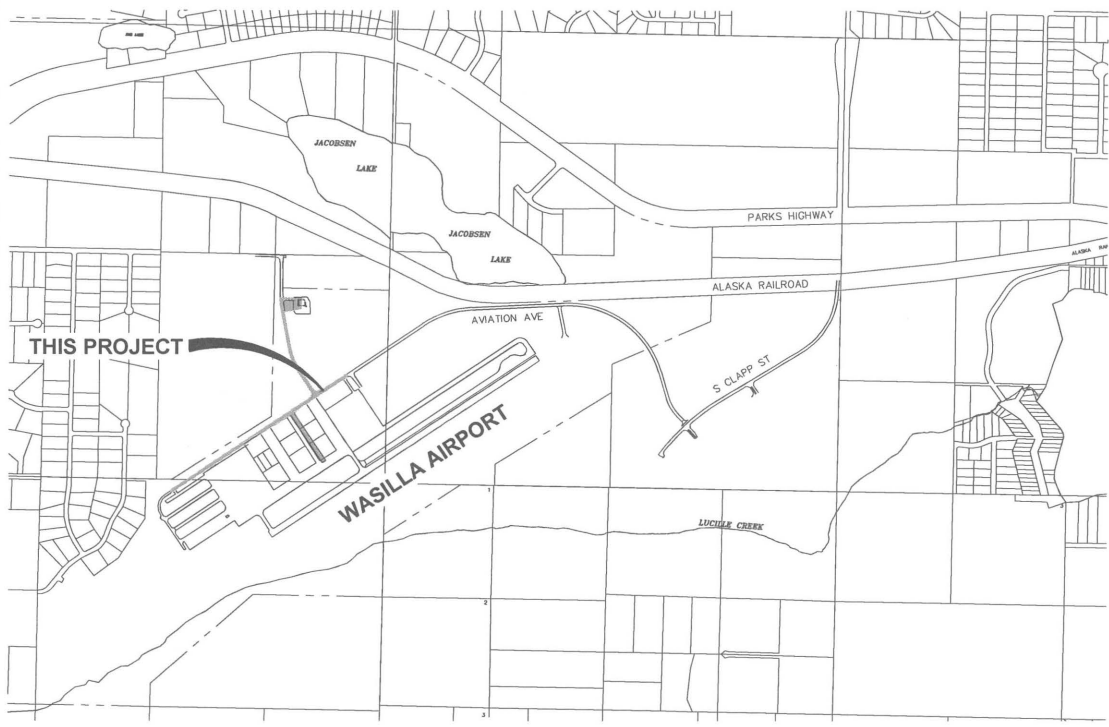


LOCATION MAP

WASILLA MUNICIPAL AIRPORT GATE A ACCESS CONTROL IMPROVEMENTS

AIP NO. 3-02-0417-022-2019

WASILLA, ALASKA

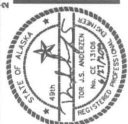


VICINITY MAP

DRAWING INDEX

- G1.1 COVER SHEET
- G1.2 PROJECT LAYOUT AND SAFETY PLAN
- E1.1 LEGENDS, ABBREVIATIONS AND SITE PLAN
- E2.1 GATE A ELECTRICAL PLAN
- E3.1 NETWORK ARCHITECTURE MODIFICATIONS
- E4.1 DETAILS
- E5.1 GATE CONTROLLER SUPPORT BOX

REVISION	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			



HDL ENGINEERING Consultants LLC
 045 - geotechnical surveying - environmental - material testing
 ANCHORAGE MAT-SU KEENA
 907.564.2120 907.283.2051
 3335 Arctic Boulevard, Suite 100 Anchorage, AK 99503
 ACC.061 www.HDLalaska.com

WASILLA AIRPORT GATE A ACCESS CONTROL IMPROVEMENTS

WASILLA MUNICIPAL AIRPORT

WASILLA, ALASKA

SHEET TITLE
COVER SHEET

SHEET
G1.1

DRAWN BY
TS

DESIGNED BY
N/A

DATE
JUNE 2019

JOB NUMBER
19-019

NUMBER: 19-019
 LAYOUT DATE: SAFETY PLAN-07/18/2019 11:00 AM
 FILE PATH: H:\WORK\19-019 WASILLA AIRPORT SECURITY - PH II (CONTRACT ADMIN)\19019_01_01_2.DWG



REVISION	DATE	DESCRIPTION
1		
2		
3		
4		
5		



HDL ENGINEERING Consultants LLC
 civil, geotechnical, surveying, environmental, material testing
 ANCHORAGE, ALASKA
 3335 Arctic Boulevard, Suite 100 Anchorage, AK 99503
 907.564.2120
 907.203.2051
 www.HDLalaska.com
 A/C/061

PROJECT NOTES:

- ALL CONSTRUCTION TO BE COMPLETED IN ACCORDANCE WITH THE PROJECT MANUAL TITLED "WASILLA MUNICIPAL AIRPORT GATE A ACCESS CONTROL IMPROVEMENTS", DATED JULY 2019.
- OTHER CONTRACTORS OR UTILITY COMPANIES MAY BE WORKING ON THE SAME PROJECT SITE OR IN THE VICINITY DURING THE PROGRESS OF THIS CONTRACT'S WORK. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS OR UTILITY COMPANIES WORKING AT OR NEAR THE AIRPORT.
- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONS (OSHA), AND ALL OTHER FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS PERTAINING TO THIS PROJECT. ANY WORK PERFORMED BY THE CONTRACTOR CONTRARY TO SUCH LAWS OR REGULATIONS SHALL BE AT THE CONTRACTOR'S SOLE RISK AND EXPENSE.
- THE CONTRACTOR SHALL PROVIDE ALL PERMITS WHICH ARE NOT SPECIFICALLY INDICATED AS PROVIDED BY THE OWNER IN THE PROJECT MANUAL.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO PROCEEDING WITH THE WORK. ANY DISCREPANCY IN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- EXISTING BURIED AND ABOVE GRADE UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. NOT ALL UTILITIES ARE SHOWN ON DRAWINGS FOR CLARITY. NOT ALL UTILITY LOCATIONS HAVE BEEN FIELD VERIFIED AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE UTILITY INFORMATION SHOWN. THE CONTRACTOR SHALL CONTACT LOCAL UTILITIES TO FIELD LOCATE ALL UTILITIES PRIOR TO DIGGING. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO DIGGING, OTHERWISE CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL COSTS ASSOCIATED WITH WORKING AROUND UTILITIES DIFFERENT THAN WHAT IS SHOWN ON THESE PLANS.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL HAVE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS, SUBCONTRACTORS, SUPPLIERS, AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL PROVIDE MARKED UP RECORD DRAWINGS INCLUDING TWO COPIES OF THE CONSTRUCTION SURVEY NOTES SHOWING ALL ASBUILT INFORMATION.
- A SITE SPECIFIC GEOTECHNICAL INVESTIGATION WAS NOT CONDUCTED DURING THE DESIGN OF THIS PROJECT.

WORK AREA RESTRICTIONS

WORK IS PERMITTED BETWEEN 7AM TO 7PM, 7 DAYS A WEEK. NO RESTRICTIONS TO AIR OPERATIONS AREAS ARE ALLOWED.

GENERAL SAFETY REQUIREMENTS

- CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO AND SHALL COMPLY WITH THE PROJECT SPECIFICATIONS AND FAA AC 150/5370-2F OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
- CONTRACTOR SHALL KEEP ACTIVE PAVED SURFACES CLEAR OF CONSTRUCTION MATERIALS, FOREIGN OBJECTS, DIRT, GRAVEL AND DEBRIS. REMOVE MATERIALS FROM ACTIVE PAVED SURFACES WITHIN 15 MINUTES OF VERBAL NOTICE FROM THE AIRPORT MANAGER, OR HIS REPRESENTATIVE.
- CONTRACTOR SHALL NOT ENTER APRON WITHOUT PRIOR ARRANGEMENT WITH THE ENGINEER.
- CONTRACTOR SHALL MONITOR CTAF ON 122.8 MHZ AT ALL TIMES WHEN WORKING ON AIRPORT.
- CONTRACTOR SHALL NOT PARK EQUIPMENT ON BEACON STREET, CROSSWIND COURT, OR IN PUBLIC PARKING OVERNIGHT.

WASILLA AIRPORT GATE A ACCESS CONTROL IMPROVEMENTS
 WASILLA MUNICIPAL AIRPORT
 WASILLA, ALASKA

SHEET TITLE	
PROJECT LAYOUT AND SAFETY PLAN	
SHEET	G1.2
DRAWN BY	TS
DESIGNED BY	
DATE	JUNE 2019 AS SHOWN
JOB NUMBER	19-019

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
---	EXPOSED CONDUIT
----	UNDERGROUND CONDUIT
---	FIBER OPTIC CABLE
---	UNDERGROUND GAS LINE
⊕	3/4" X 10' COPPER CLAD STEEL GROUND ROD
---	UNDERGROUND ELECTRIC
---	OVERHEAD ELECTRIC
⊕	KILOWATT-HOUR METER
☐	PANELBOARD
⊕	MOLDED CASE CIRCUIT BREAKER, X = AMPERE RATING, Y = NO. OF POLES
⊕	JUNCTION BOX, TYPE AS NOTED
OTHER SYMBOLS ARE AS DEFINED BY NOTE.	

ELECTRICAL ABBREVIATIONS

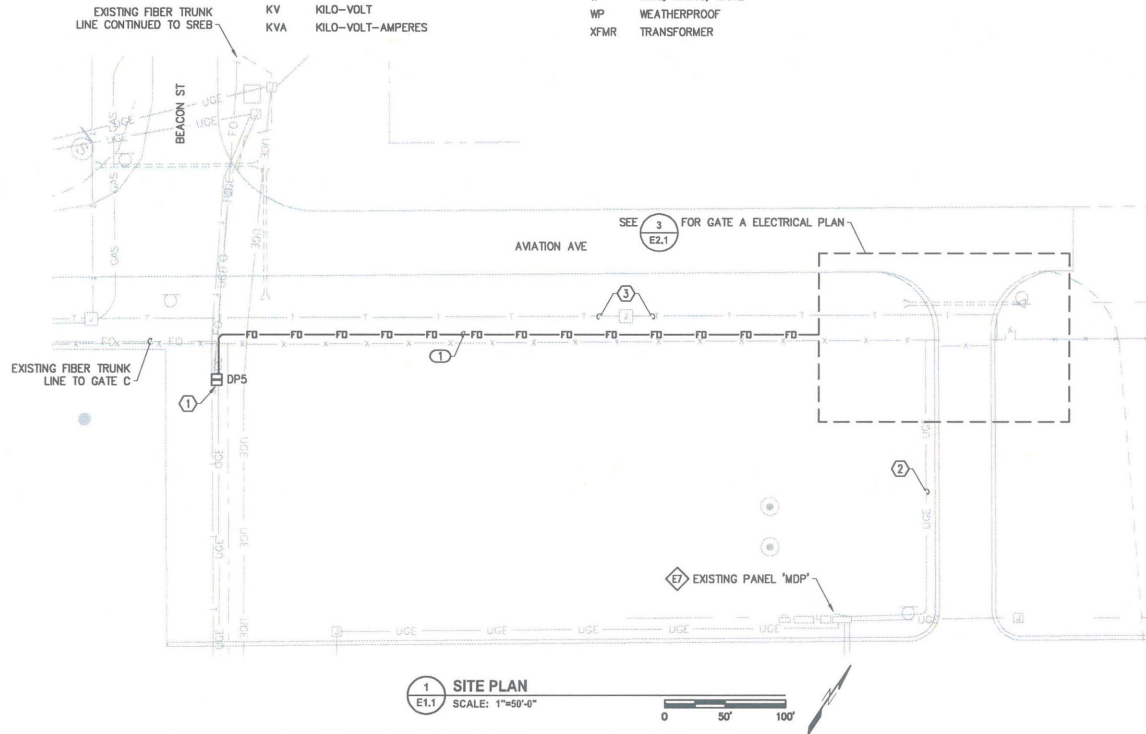
#	DIAMETER, PHASE	L	LINE (CONDUCTOR, VOLTAGE)
A	ANALOG SIGNAL, AMPERE	LT	LEFT
AFF	ABOVE FINISH FLOOR	LTF	LIQUID TIGHT FLEXIBLE CONDUIT (METALLIC)
AFG	ABOVE FINISH GRADE	LTC	LIGHTING
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
BCU	BARE COPPER	MLO	MAIN LUG ONLY
BLDG	BUILDING	N	NEUTRAL (GROUNDED) CONDUCTOR
C	CONDUIT	NEG	NEGATIVE
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NFS	NON-FROST SUSCEPTIBLE
CL	CENTERLINE	NLT	NOT LESS THAN
COW	CITY OF WASILLA	PR	PAIR
CP	CONTROL PANEL	R	RADIUS, RED
CU	COPPER	RT	RIGHT
DEG	DEGREES	SREB	SNOW REMOVAL EQUIPMENT BUILDING
E	EMERGENCY	SS	STAINLESS STEEL
G	GROUND CONDUCTOR	STA	STATION
GRC	GALVANIZED RIGID (STEEL) CONDUIT	TS	THERMOSTAT / TEMPERATURE SWITCH
GRD	GROUND	TWSH	TWISTED WIRE SHIELDED CONDUCTOR
H	HOT CONDUCTOR	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE CONDUIT	UON	UNLESS OTHERWISE NOTED
HH	HANDHOLE	V	VOLTS
HOA	HAND-OFF-AUTO	VA	VOLT-AMPERES
J-BOX	JUNCTION BOX	W	WIRE, WATTS, WHITE
KV	KILO-VOLT	WP	WEATHERPROOF
KVA	KILO-VOLT-AMPERES	XFMR	TRANSFORMER

GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, CODES AND STANDARDS GOVERNING THE PROJECT. IF PLANS AND SPECIFICATIONS ARE IN DIRECT CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
- EXISTING BELOW GRADE CIRCUITS AND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. ADDITIONAL BELOW GRADE CIRCUITS MAY EXIST AND ARE NOT SHOWN. WHERE SINGLE LINES ARE SHOWN MULTIPLE LINES MAY BE ENCOUNTERED. SINGLE LINES WERE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD LOCATE ALL UNDERGROUND ELECTRIC CABLES & UTILITIES PRIOR TO DIGGING. HAND DIG WITHIN 36" OF ALL BURIED ELECTRIC.
- NEW FIBER OPTIC ROUTING IS SHOWN GENERICALLY. INTENT IS FOR NEW FIBER OPTIC CABLE IN CONDUIT TO BE INSTALLED ALONG THE SHOULDER OF AVIATION AVE. IN GRASS/GRAVEL AREA. CONTRACTOR MAY MAKE MINOR DEVIATIONS FROM ROUTING SHOWN OR PROPOSE ALTERNATIVE ROUTING; DEVIATIONS AND ALTERNATIVE ROUTES SHALL BE AT NO ADDITIONAL EXPENSE TO THE OWNER.
- STAKE PROPOSED FIBER OPTIC CABLE ROUTING IN THE FIELD AND REQUEST APPROVAL FROM THE ENGINEER. DO NOT BEGIN EXCAVATION UNTIL FIBER OPTIC CABLE ROUTING HAS BEEN APPROVED BY THE ENGINEER.

SHEET NOTES

- EXISTING FIBER DISTRIBUTION PANEL 'DP5'. EXTEND FIBER TRUNK FROM 'DP5' TO NEW 'DP4' AT GATE 'A'. SEE SHEET E3.1 FOR FIBER NETWORK ARCHITECTURE.
 - EXISTING GATE 'A' POWER CIRCUITS ORIGINATE AT PANEL 'MDP'. DEMOLISH EXISTING CONDUCTORS AND PROVIDE NEW IN EXISTING CONDUIT. EXISTING CIRCUIT BREAKERS TO REMAIN FOR REUSE. SEE SHEET E2.1 FOR NEW WORK DETAILS.
 - EXISTING BELOW GRADE CONDUIT WITH ABANDONED 1PR#18 AND 2PR#18 CABLES.
- Ⓢ SEE ELECTRICAL EQUIPMENT SCHEDULE SHEET E2.1
- ① SEE CIRCUIT SCHEDULE SHEET E2.1



① SITE PLAN
SCALE: 1"=50'-0"



REVISIONS	DATE	DESCRIPTION
1		
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EDC, INC.
213 W. FIREWEED LANE
ANCHORAGE, AK 99503
LICENSE NO. 460778

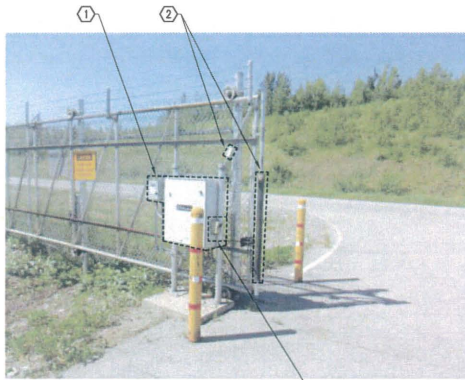


GATE A ACCESS CONTROL IMPROVEMENTS
WASILLA MUNICIPAL AIRPORT
WASILLA, ALASKA

LEGENDS, ABBREVIATIONS AND SITE PLAN

SHEET	E1.1
DESIGNED BY	RNP
CHECKED BY	RNP
DATE	6/27/19
SCALE	SHOWN
DATE PLOTTED	9-019

P:\Project\1001\vehicle airport security improvements\Drawings\Elec\E2.1 GATE A ELECTRICAL PLAN.dwg 2019-06-27 11:20:13



1 GATE A OPERATOR PHOTO
SCALE: NTS



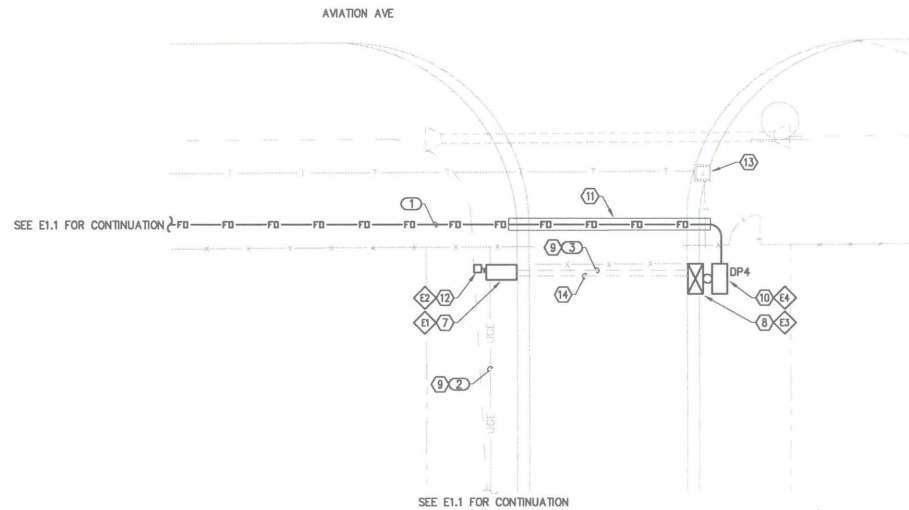
2 GATE A SUPPORT BOX PHOTO
SCALE: NTS

ELECTRICAL EQUIPMENT SCHEDULE		
ITEM NO.	DESCRIPTION	MANUFACTURER OR EQUAL
E1	1HP, 208V, 3Ø GATE OPERATOR	LIFTMASTER CAT# SL595UL
E2	30A, 208V, 3PST, NON-FUSIBLE DISCONNECT SWITCH	SQUARE D
E3	120V, 1Ø GATE CONTROL SUPPORT BOX	
E4	NEMA 4X, STAINLESS STEEL FIBER DISTRIBUTION PANEL ENCLOSURE - SEE ITEMS E5 AND E6 BELOW	HOFFMAN
E5	FIBER CONNECTOR HOUSING, WALL-MOUNT	CORNING CAT# PWH-06P
E6	FIBER SPLICE HOUSING, WALL-MOUNT	CORNING CAT# WSH-11SPT-F
E7	EXISTING 400A, 208/120V, 3Ø, 4-WIRE DISTRIBUTION PANELBOARD "MDP"	GE SPECTRA SERIES

CIRCUIT SCHEDULE	
TAG	DESCRIPTION
1	2" HDPE, 2 EACH: 24-STRAND FIBER OPTIC CABLE
2	EXISTING 2"C, NEW 3ØB (H, N, G), NEW 4ØB (3H, G)
3	EXISTING 1"C, NEW 3ØB (H, N, G)

SHEET NOTES

- 1 DEMOLISH EXISTING GATE OPERATOR AND DISCONNECT SWITCH.
- 2 DEMOLISH EXISTING GATE EDGE SENSOR AND TRANSMITTER.
- 3 DEMOLISH EXISTING PHOTOEYES AND ASSOCIATED WIRING.
- 4 DEMOLISH EXISTING GATE CONTROL SUPPORT BOX AND ASSOCIATED WIRING.
- 5 DEMOLISH EXISTING MOTION SENSOR AND ASSOCIATED WIRING.
- 6 DEMOLISH EXISTING PUSHBUTTON STATION AND ASSOCIATED WIRING.
- 7 NEW GATE OPERATOR. INSTALL TO EXISTING FOUNDATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS; ADJUST FOUNDATION LOCATION RELATIVE TO GATE SUCH THAT GATE OPERATOR HAS ADEQUATE SPACE BETWEEN GATE. INSTALL NEW ANCHORS AS REQUIRED AND GROUT EXISTING ANCHOR HOLES SMOOTH. INSTALL NEW GATE EDGE SENSOR AND PHOTOEYE EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 8 NEW GATE CONTROLLER SUPPORT BOX. SUPPORT FROM EXISTING STEEL POST, SEE DETAIL 2 SHEET E4.1 FOR PERIPHERAL DEVICE ARRANGEMENT.
- 9 DEMOLISH EXISTING GATE OPERATOR AND GATE CONTROLLER POWER CIRCUITS. PROVIDE NEW CONDUCTORS IN EXISTING CONDUIT.
- 10 NEW FIBER DISTRIBUTION PANEL "DP4". SEE E3.1 AND E4.1 FOR DETAILS.
- 11 ROUTE 2" HDPE IN 4" GRC AT ALL ROAD CROSSINGS. SEE TRENCH DETAILS ON SHEET E4.1.
- 12 NEW GATE OPERATOR DISCONNECT SWITCH.
- 13 EXISTING BELOW GRADE CONDUIT AND TYPE 1A J-BOX WITH 1PR#18 AND 2PR#18 CABLES. LABEL CABLES AS ABANDONED AND LEAVE IN PLACE. DEMOLISH CONDUIT BETWEEN J-BOX AND GATE CONTROLLER SUPPORT BOX.
- 14 NEW CONTROL CONDUCTORS AS REQUIRED IN EXISTING 1" CONDUIT.



3 GATE A ELECTRICAL PLAN
SCALE: 1"=10'-0"

NO.	DATE	DESCRIPTION
1		
2		
3		



EDC, INC.
213 W. FRENCH LANE
ANCHORAGE, AK 99503
LICENSE NO. AE00008

GATE A ACCESS CONTROL IMPROVEMENTS
WASILLA MUNICIPAL AIRPORT
 WASILLA, ALASKA

SHEET TITLE: GATE A ELECTRICAL PLAN
 SHEET: E2.1
 DRAWN BY: CW, DM
 CHECKED BY: RNP
 DATE: 6/27/19
 SCALE: SHOWN
 JOB NUMBER: 19-019