

**REMOVE 6-WAY ELECTRICAL DUCT**

THERE ARE TWO SECTIONS OF EXISTING 6-WAY ELECTRICAL DUCT THAT WILL BE REMOVED AS PART OF THIS PROJECT. THE SECTION OF DUCT THAT RUNS FROM EXISTING HIGH VOLTAGE MANHOLE NO. 1 TO EXISTING HIGH VOLTAGE MANHOLE NO. 2 WILL BE REMOVED FIRST.

THE SECTION OF DUCT THAT RUNS FROM EXISTING HIGH VOLTAGE MANHOLE NO. 2 TO EXISTING HIGH VOLTAGE MANHOLE NO. 3 WILL BE REMOVED SECOND. THIS SECTION OF ELECTRICAL DUCT WILL NOT BE REMOVED UNTIL THE PROPOSED 6-WAY LOW AND HIGH VOLTAGE ELECTRICAL DUCTS HAVE BEEN INSTALLED AND THE RUNWAY AND TAXIWAY LIGHTING CIRCUITS HAVE BEEN ROUTED THROUGH THE NEW HIGH VOLTAGE DUCTS AND ACTIVATED.

THE CONTRACTOR WILL NOT REMOVE THE FIRST SECTION OF ELECTRICAL DUCT UNTIL HE HAS SUCCESSFULLY INSTALLED THE TEMPORARY JUMPER CABLES ON THE RUNWAY AND TAXIWAY LIGHTING CIRCUITS.

WHEN THE CONTRACTOR IS REMOVING THE FIRST SECTION OF ELECTRICAL DUCT HE WILL USE CAUTION NOT TO DAMAGE THE EXISTING ELECTRICAL CIRCUITS THAT WERE DIRECTIONAL BORED ALONG SIDE THIS ELECTRICAL DUCT. THE CABLES ARE ENCASED IN UNIT DUCT AND SHOULD BE PROTECTED FROM ANY HARM. THESE CABLES SHOULD BE LOCATED AND MARKED PRIOR TO REMOVING ANY ELECTRICAL DUCT. ANY DAMAGE TO THESE CABLES WILL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR WILL CAREFULLY SEPARATE THE 6-WAY ELECTRICAL DUCT TO BE REMOVED FROM EXISTING HIGH VOLTAGE MANHOLE NO. 1. ANY DAMAGE TO THE EXISTING MANHOLE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. AFTER SEPARATING THE ELECTRICAL DUCT FROM THE MANHOLE THE CONTRACTOR WILL REMOVE THE ELECTRICAL DUCT IN MANAGEABLE SECTIONS, PLACE THE SECTIONS ON A TRUCK AND DISPOSE OF THEM OFF THE AIRPORT SITE.

THERE IS AN EXISTING ELECTRICAL DUCT THAT EXTENDS FROM EXISTING LOW VOLTAGE HANDHOLE NO. 1 TO EXISTING LOW VOLTAGE HANDHOLE NO. 2. THIS ELECTRICAL DUCT IS SHALLOW AND WILL BE PROTECTED FROM DAMAGE. ANY DAMAGE TO THIS DUCT AND THE CONTRACTOR WILL HAVE TO INSURE THERE IS NO DAMAGE TO THE EXISTING ELECTRICAL CABLES INSIDE THIS DUCT. ANY DAMAGE TO THESE CABLES WILL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

THIS ITEM OF WORK WILL BE PAID FOR UNDER ITEM:  
AR110901 CONCRETE DUCT REMOVAL -- PER L.F.

**REMOVE ELECTRICAL MANHOLE**

IN ORDER TO INSTALL THE PROPOSED 6-WAY LOW AND HIGH VOLTAGE ELECTRICAL DUCTS EXISTING HIGH VOLTAGE MANHOLE NO. 2 WILL HAVE TO BE REMOVED. WHILE REMOVING THIS MANHOLE THE CONTRACTOR WILL USE CAUTION NOT TO DAMAGE THE TEMPORARY JUMPER CABLES THAT WERE INSTALLED PRIOR TO THE ELECTRICAL DUCT REMOVAL.

THE CONTRACTOR WILL ALSO USE CARE NOT TO DAMAGE THE EXISTING LIGHTING CIRCUITS THAT WERE DIRECTIONAL BORED ALONG SIDE HIGH VOLTAGE MANHOLE NO. 2. ANY DAMAGE TO THESE CABLES WILL BE IMMEDIATELY REPAIRED.

ONCE THE PROPOSED 6-WAY LOW AND HIGH VOLTAGE ELECTRICAL DUCTS HAVE BEEN CONSTRUCTED AND THE NEW RUNWAY AND TAXIWAY LIGHTING CIRCUITS HAVE BEEN INSTALLED AND ACTIVATED, THE CONTRACTOR WILL REMOVE THE SECOND PHASE OF ELECTRICAL DUCT AS WELL AS EXISTING HIGH VOLTAGE MANHOLE NO. 2. THIS ELECTRICAL DUCT AND MANHOLE WILL BE REMOVED TO MAKE ROOM FOR THE INSTALLATION OF THE PROPOSED 2-WAY CONCRETE ENCASED ELECTRICAL DUCT.

THE CONTRACTOR WILL CAREFULLY SEPARATE HIGH VOLTAGE MANHOLE NO. 2 FROM THE ELECTRICAL DUCT THAT RUNS UNDER THE AIRCRAFT PARKING APRON. THIS IS BEING DONE SO NO SHIFTING OF THE ELECTRICAL DUCT UNDER THE APRON WILL OCCUR.

AFTER THE NEW HIGH VOLTAGE DUCT, MANHOLES, HANDHOLES, 5 KV L-824 CABLES HAVE BEEN INSTALLED AND OPERATIONAL, THE EXISTING HIGH VOLTAGE MANHOLE NO. 3 WILL BE REMOVED.

ONCE REMOVED EACH ELECTRICAL MANHOLE WILL BE DISPOSED OF OFF THE AIRPORT SITE IN A LEGAL MANNER AT THE CONTRACTOR'S OWN EXPENSE.

THIS ITEM OF WORK WILL BE PAID FOR UNDER ITEM:  
AR110907 REMOVE ELECTRICAL MANHOLE -- PER EACH.

**TEMPORARY LIGHTING NOTES**

IN ORDER TO MAINTAIN THE RUNWAY AND TAXIWAY LIGHTING CIRCUITS DURING THE REMOVAL AND REPLACEMENT OF THE ELECTRICAL DUCTS IN THE FRONTAL AREA, THE CONTRACTOR WILL BE REQUIRED TO INSTALL TEMPORARY JUMPER CABLES BETWEEN EXISTING HIGH VOLTAGE MANHOLE NO. 1 AND EXISTING HIGH VOLTAGE MANHOLE NO. 2.

THE CONTRACTOR WILL IDENTIFY AND LABEL EACH OF THE RUNWAY AND TAXIWAY CIRCUITS PRIOR TO CUTTING THEM AND CONNECTING THEM TO THE PROPOSED JUMPER CABLES.

THE CONTRACTOR WILL INSTALL NEW NO. 8, 5 KV, L-824 1/C CABLE ABOVEGROUND FROM EXISTING HIGH VOLTAGE MANHOLE NO. 1 TO EXISTING HIGH VOLTAGE MANHOLE NO. 2 FOR EACH OF THE RUNWAY AND TAXIWAY LIGHTING CIRCUITS THAT WILL BE TEMPORARILY JUMPERED. HE WILL CUT THE EXISTING CABLE INSIDE THE EXISTING MANHOLE AT A SUFFICIENT LENGTH THAT WILL ALLOW MAKING THE SPLICE TO THE PROPOSED CABLE OUTSIDE OF THE MANHOLE. THE EXISTING CABLES CAN BE BROUGHT UP THROUGH THE METAL FRAME ON MANHOLE NO. 1 IN ORDER TO BE SPLICED TO THE PROPOSED JUMPER CABLES. THE CONTRACTOR MAY CUT A HOLE IN THE SIDE OF MANHOLE NO. 2 THROUGH WHICH THE EXISTING CABLES COULD BE BROUGHT. THIS SHOULD AID IN REMOVING MANHOLE NO. 2 WITHOUT DAMAGING THE TEMPORARY JUMPER CABLES.

THE TEMPORARY CABLES WILL BE PROTECTED AS STATED IN THE SPECIAL PROVISIONS.


ONCE THE CONTRACTOR HAS CONSTRUCTED THE PROPOSED 6-WAY HIGH AND LOW VOLTAGE ELECTRICAL DUCTS AND INSTALLED NEW NO. 8, 5 KV, 1/C CABLE THROUGH THE PROPOSED 6-WAY HIGH VOLTAGE ELECTRICAL DUCT AND ACTIVATED EACH OF THE RUNWAY AND TAXIWAY CIRCUITS, THE TEMPORARY JUMPER CABLES WILL NO LONGER BE NEEDED.

WHEN THE JUMPER CABLES ARE NO LONGER NEEDED THE CONTRACTOR WILL DISCONNECT THE JUMPER CABLES FROM THE EXISTING CABLES, ROLL UP THE JUMPER CABLES AND SECURELY TIE THEM IN THE ROLLED UP POSITION, AND TURN THEM OVER TO THE AIRPORT MANAGER.

THIS ITEM OF WORK WILL BE PAID FOR UNDER ITEM:  
AR800405 INSTALL TEMPORARY LIGHTING -- PER L.S.


CO053

DATE	REVISION	BY



A.I.P. PROJ.: 3-17-0066-B20  
 I.L. PROJ.: MTO-3762

IEL Project No. 07A0101D 0800 Elevation R-121CON.DWG Scale N/A Date 04/04/08	CAH 03/19/08 MDR 03/19/08 CAH/KNL 04/03/08
LAYOUT	CAH
DRAWN	MDR
REVIEWED	CAH/KNL



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REPLACE ELECTRICAL DUCT IN FRONTAL AREA  
 PROPOSED ELECTRICAL DUCT REMOVAL NOTES

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