August 1, 2016

**ADDENDUM NO. 2** 

To The Contract Documents For The Construction Of The

#### MAIN WIND CONE REPLACEMENT PROJECT

at the

## HALF MOON BAY AIRPORT SAN MATEO COUNTY, CA

### TO ALL HOLDERS OF CONTRACT DOCUMENTS:

The following additions and/or corrections shall become part of the Contract Documents and Construction Specifications for the subject project.

# <u>Notice to all Contractors submitting bids for this work and to all contract</u> document holders.

You are hereby notified of the following changes to the Contract Documents, more specifically, to the Bid Proposal Package and the construction plans for this project. This addendum shall supersede the original contract documents wherein it contradicts the same and shall take precedence over anything to the contrary therein. All conditions remain the same.

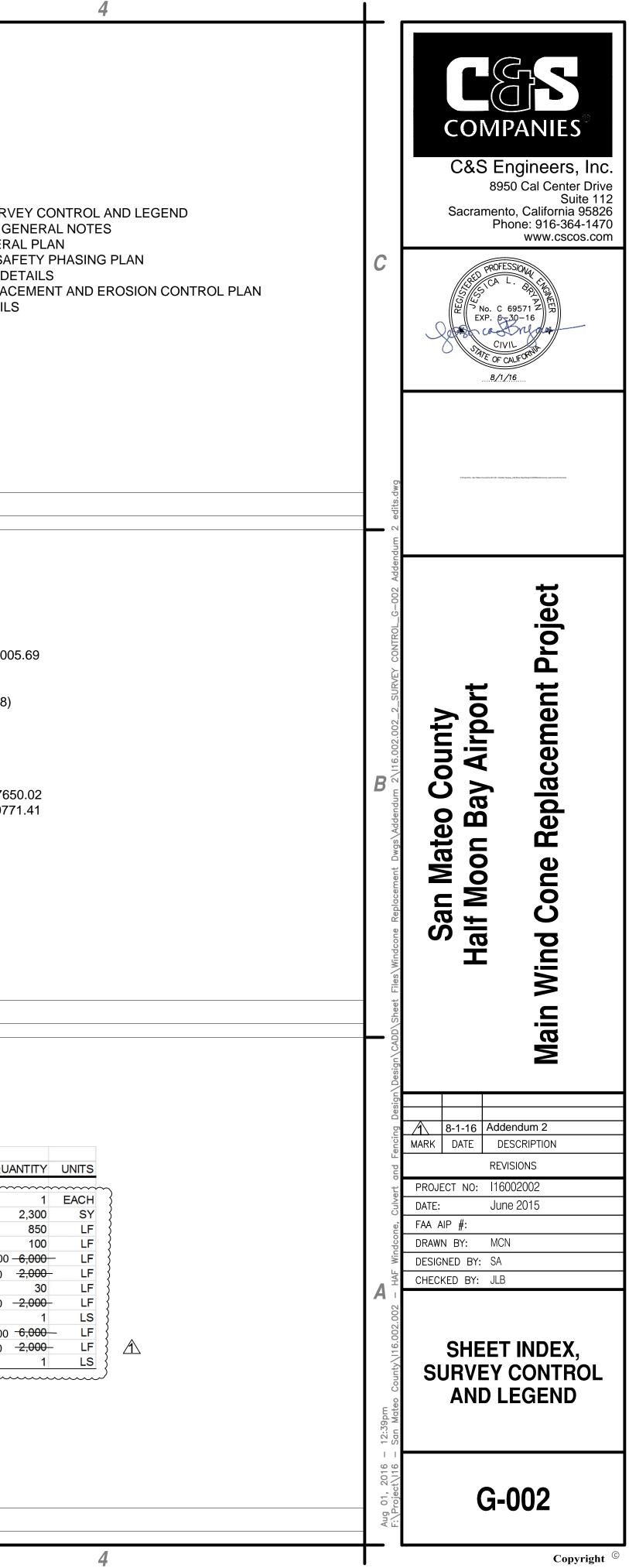
#### **PROJECT PLANS:**

1. Remove the following plan sheets and replace with the ones contained in this Addendum:

G-002, Sheet index, Survey Control and Legend
 G-003, Main Wind Cone General Notes
 CG-101, Wind Cone Replacement and Erosion Control Plan
 CG-501, Wind Cone Details

	END OF ADDENDUM	
C&S ENGINEERS, INC. Jessica L. Bryan, P.E., C.M. Department Manager	August 1, 2016	S JATE OF CALE OF WE WANT
		8/1/16

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RSA ROFZ ROFA ROFA	RUNWAY/TAXIWAY CENTERLINE EXISTING AIRPORT PROPERTY LINE EXISTING AVIATION EASEMENT BOUNDARY EXISTING RUNWAY SAFETY AREA EXISTING RUNWAY OBSTACLE FREE ZONE EXISTING RUNWAY OBJECT FREE AREA EXISTING RUNWAY OBJECT FREE AREA EXISTING ROAD EXISTING FLOW LINE EXISTING EDGE OF SHRUBS EXISTING EDGE OF SHRUBS EXISTING CONTOUR LINE EXISTING FENCE LINE EXISTING FENCE LINE EXISTING DOUBLE SWING GATE EXISTING CANTILEVER GATE EXISTING BLOCK WALL EXISTING BLOCK WALL EXISTING STORM DRAIN PIPE EXISTING HEADWALL EXISTING WATER LINE EXISTING DOMESTIC WATER METER	Image: Construction of the second	SED TRANSFORMER SED DIRECTION OF RUCTION TRAFFIC SED STABILIZED CONSTRUCTION		SHEET REFERENCE NO. G-001 G-002 G-003 G-101 G-102 G-103 CG-101 CG-501	TITLE TITLE SHEET SHEET INDEX, SURV MAIN WIND CONE GE WIND CONE GENERA CONSTRUCTION SAF MISCELLANEOUS DE WIND CONE REPLAC WIND CONE DETAILS
EX SS EX SS CO EX G EX T OH/T OH/T	EXISTING SANITARY SEWER LINE EXISTING SANITARY SEWER MANHOLE EXISTING SANITARY SEWER CLEANOUT EXISTING GAS LINE EXISTING UNDERGROUND TELEPHONE LINE			C3 SHEET INDEX NOT TO SCALE		
— EX E — EX E OH/E Ø UP ✓ UP ✓ D C SI ⊗ MW ○ E	EXISTING OVERHEAD TELEPHONE LINE EXISTING POWER POLE EXISTING UNDERGROUND ELECTRIC LINE EXISTING OVERHEAD ELECTRIC LINE EXISTING LIGHT POLE EXISTING LIGHT POLE EXISTING UTILITY POLE EXISTING GUY WIRE AND ANCHOR EXISTING CONCRETE DUCT MARKER EXISTING CONCRETE CABLE MARKER EXISTING CONCRETE SPLICE MARKER EXISTING CONCRETE SPLICE MARKER EXISTING BOLLARD OR POST EXISTING BOLLARD OR POST EXISTING MONITORING WELL EXISTING RUNWAY OR TAXIWAY EDGE LIGHT EXISTING AIRFIELD GUIDANCE SIGN EXISTING ELECTRICAL MARKER EXISTING TRANSFORMER EXISTING WIND CONE				NORTH AMERICAN D. <u>VERTICAL DATUM:</u>	INATE SYSTEM, ZONE 3 ATUM OF 1983 (NAD83), EPOCH 2005 ERTICAL DATUM OF 1988 (NAVD88) HAF 8 HAF 9 N: 2016025.82 N: 2017650 E: 5981499.90 E: 5979771 ELEV: ELEV:
⊂>< □ EMH □ PB	EXISTING LIGHTED WIND CONE EXISTING ELECTRICAL MANHOLE EXISTING PULLBOX	AMPS - AMPERES	OFA - OBJECT FREE AREA	B3 SURVEY CONTROL NOT TO SCALE		
$ \begin{array}{c}                                     $	TEST BORING LOCATION TEST PIT LOCATION EXISTING AIRFIELD LIGHTING CABLE IN TRENCH EXISTING AIRFIELD LIGHTING CABLE IN TRENCH ABANDON IN PLACE EXISTING DUCT BANK EXISTING AIRFIELD GUIDANCE SIGN EXISTING TAXIWAY EDGE LIGHT EXISTING TAXIWAY EDGE LIGHT TO REMAIN EXISTING SURVEY CONTROL POINT EXISTING POWER POLE	AMIN O' AMIN EIREO ABAN ABANDONED APPROX APPROXIMATE ASPH ASPHALT AST - ABOVE GROUND STORAGE TANK AWG - AMERICAN WIRE GAUGE BC - BEGIN CURVE BFG - BELOW FINISHED GRADE BLDG BUILDING BM - BENCH MARK CIP - CAST IRON PIPE CONC CONCRETE CMP - CORRUGATED METAL PIPE CMPA - CORRUGATED ARCHED METAL PIPE CND - CONDUIT CSP - CORRUGATED STEEL PIPE DIA DIAMETER EC - END OF CURVE ELEV ELEVATION EOP - EDGE OF PAVEMENT FF - FINISH FLOOR FL - FLOW LINE FG - FINISH GRADE FND FOUNDATION FS - FINISH SURFACE GB - GRADE BREAK HP - HIGH POINT IE - INVERT ELEVATION LT - LEFT LP - LOW POINT MAX MAXIMUM MIN MINIMUM	<ul> <li>O.K. ODLOTTREL ANEA</li> <li>O.C ON CENTER</li> <li>PAV'T PAVEMENT</li> <li>PC - POINT OF CURVATURE</li> <li>PCC - PORTLAND CEMENT CONCRETE PAVEMENT</li> <li>PI - POINT OF INTERSECTION</li> <li>PT - POINT OF VERTICAL INTERSECTION</li> <li>PVC - POINT OF CURVATURE (VERTICAL CURVE)</li> <li>PVC - POLYVINYL CHLORIDE PIPE</li> <li>PVT - POINT OF TANGENCY (VERTICAL CURVE)</li> <li>R - RADIUS</li> <li>RCP - REINFORCED CONCRETE PIPE</li> <li>ROFA - RUNWAY OBJECT FREE AREA</li> <li>RSA - RUNWAY SAFETY AREA</li> <li>ROW - RIGHT OF WAY</li> <li>RPZ - RUNWAY PROTECTION ZONE</li> <li>RT - RIGHT</li> <li>RW - RUNWAY</li> <li>SHDR SHOULDER</li> <li>SICPP - SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE</li> <li>STA STATION</li> <li>TC - TOP OF CURB</li> <li>TD - TOP OF DIKE</li> <li>TF - TOP OF FOOTING</li> <li>TOFA - TAXIWAY SAFETY AREA</li> <li>TW - TOP OF WALL</li> <li>TWY - TAXIWAY</li> <li>TYP TYPICAL</li> </ul>		ITEM       FAA         NO       SPEC       DESCRIPTION         1       L-107       PRIMARY LIGHTED WIND CON         2       P-151       CLEARING AND GRUBBING         3       P-156       SILT FENCE         4       L-108       UNDERGROUND CABLE FOR         5       L-108       UNDERGROUND CABLE FOR         6       L-1098       #8 COUNTERPOISE CABLE         7       L-110       UNDERGROUND ELECTRICA         8       L-110       UNDERGROUND ELECTRICA         9       SP-5       MAINTENANCE AND PROTEC         10       SP-8       REMOVE EXISTING CONDUCT         11       SP-8       REMOVE EXISTING CONDUCT         12       GP-105       MOBILIZATION	AIRPORTS #12 AWG AIRPORTS #8 AWG L CONDUITS 3/4" SCH 40 PVC L CONDUITS 2" SCH 40 PVC TION OF TRAFFIC TOR 200 - 60 - 2
		MISC MISCELLANEOUS NA - NOT APPLICABLE	UD - UNDERDRAIN WC/1 - (SEE LEGEND ABOVE)			



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	1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GENERAL PROVISIONS SECTION 80-11, "WORK AREA, STORAGE AREA AND SEQUENCE OF OPERATIONS".	
	2. THESE DRAWINGS HAVE BEEN PREPARED, IN PART, BASED UPON RECORD DRAWINGS AND/OR CAD FILES FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THOSE UTILIZING THE INFORMATION ON THESE DRAWINGS ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY PURPOSE.	
	3. EXISTING UTILITIES WERE TAKEN FROM PLANS OF RECORD. THEY HAVE BEEN SHOWN TO THE EXTENT KNOWN AND ARE OFFERED IN GOOD FAITH SOLELY FOR INFORMATIONAL PURPOSES. THEY MAY NOT REFLECT ACTUAL LOCATIONS AND MAY NOT BE INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.	
	4. THE ACTUAL LOCATION AND ELEVATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.	
	5. IN THE EVENT OF DAMAGE TO EXISTING UTILITIES OR CABLES, THE ENGINEER AND OWNER SHALL BE NOTIFIED IMMEDIATELY.	
	6. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO UTILITIES OR CABLES, AS DIRECTED BY THE ENGINEER OR OWNER, IMMEDIATELY AND AT THE CONTRACTOR'S EXPENSE.	
	7. ALL AREAS DISTURBED AS A RESULT OF THE CONTRACTOR'S STAGING AND CONSTRUCTION OPERATIONS SHALL BE RESTORED TO A CONDITION EQUAL TO ORIGINAL OR AS DIRECTED BY OWNER AT THE CONTRACTOR'S EXPENSE.	
	8. ALL DIRT, DUST, STONES AND LOOSE DEBRIS SHALL BE CONTINUOUSLY REMOVED FROM ALL PAVED SURFACES DURING THIS CONTRACT.	
	9. THE CONTRACTOR SHALL RECONSTRUCT AND MAINTAIN EXISTING ACCESS ROADS AS REQUIRED FOR ACCESS TO THE WORK AREAS.	
	10. ALL OF THE CONTRACTOR'S OPERATIONS SHALL REMAIN ON AIRPORT PROPERTY AT ALL TIMES. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED ON ADJACENT PROPERTY.	
	11. THIS CONTRACT DOES NOT ALLOW FOR PRICE INCREASES DUE TO ESCALATION IN COST OF UNIT BID ITEMS. THE CONTRACTOR SHALL TAKE THIS INTO CONSIDERATION WHEN PREPARING UNIT PRICES FOR BID.	
	12. THE COUNTY OF SAN MATEO RESERVES THE RIGHT TO ELIMINATE ANY ITEMS OF THE CONTRACT AND PERFORM THESE ITEMS WITH COUNTY SUPPLIED FORCES AND MATERIALS. THE ITEMS TO BE COMPLETED BY THE COUNTY WILL BE SPECIFIED PRIOR TO THE AWARD OF THE CONTRACT.	
	13. ALL ELECTRICAL WORK SHALL CONFORM TO APPLICABLE LOCAL, STATE AND NATIONAL ELECTRICAL CODES.	
	14. THE ELECTRICAL CHARACTERISTICS OF PROPOSED EQUIPMENT SHALL BE VERIFIED TO BE COMPATIBLE WITH EXISTING EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.	
	15. ABANDONED CABLES MAY EXIST IN THE VICINITY OF THE PROPOSED WORK. IF ENCOUNTERED, CONTRACTOR SHALL VERIFY THAT THEY ARE ABANDONED PRIOR TO REMOVAL. IF THEY ARE NOT ABANDONDED, CABLES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.	
	16. ITEMS OF SPECIFIC MANUFACTURE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND OR MANUFACTURER'S REPRESENTATIVE DIRECTIONS.	
	17. ALL GROUND CONNECTIONS SHALL BE MADE USING EXOTHERMIC CONNECTIONS.	
	18. GROUND RODS SHALL BE INSTALLED AT 500-FT INTERVALS ALONG COUNTERPOISE WIRE.	
	19. ALL CABLE CONNECTIONS SHALL BE MADE AT LIGHT UNITS OR AT ENDS OF DUCT BANKS UNLESS DIRECTED OTHERWISE.	
	20. ALL ELECTRICAL EQUIPMENT REMOVED WHICH IS DESIRED BY THE OWNER TO BE SALVAGED SHALL BE TURNED OVER TO THE OWNER. THE EQUIPMENT SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE OWNER IN PROPER WORKING CONDITION. ALL OTHER MATERIALS SHALL BE SPOILED OFF AIRPORT PROPERTY AT A PROPER DISPOSAL SITE AT THE CONTRACTOR'S EXPENSE.	
<b>A</b> 1	GENERAL NOTES	

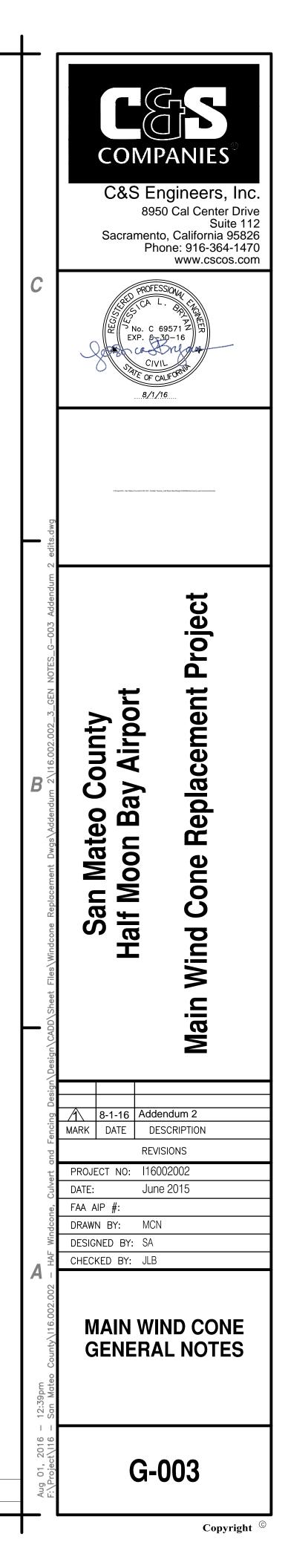
PROVIDE WATERTIGHT TERMINATION FOR ALL BURIED CONDUIT ENDS.

THE COMBINATION OF SILT/CLAY SOILS AND HIGH NATURAL MOISTURE CONTENTS CREATE THE POTENTIAL FOR LOSS OF STRENGTH UNDER REPETITIVE LOADINGS OR VIBRATION. THE CONTRACTOR SHOULD TAKE THESE FACTORS INTO CONSIDERATION WHEN SELECTING EQUIPMENT, METHODS AND MEANS FOR CONSTRUCTION OF THIS PROJECT, AS WELL AS HAULING EQUIPMENT THAT WILL OPERATE IN THE AREA THROUGHOUT CONSTRUCTION. ANY DAMAGE TO THE SUBGRADE CONDITION AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED TO EQUAL OR BETTER THAN ORIGINAL CONDITION, AS DIRECTED BY THE ENGINEER AND ALL AT THE CONTRACTOR'S EXPENSE.

EXISTING WETLANDS LOCATED ADJACENT TO THE GRADING AREA SHALL NOT BE DISTURBED DURING CONSTRUCTION. PRIOR TO CONSTRUCTION, THE WETLAND BOUNDARIES SHALL BE CLEARLY MARKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL KEEP ALL MATERIALS AND EQUIPMENT FROM ENTERING EXISTING WETLANDS. ANY IMPACTS TO WETLANDS OUTSIDE THE DESIGNATED GRADING AREA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY AND MITIGATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AND ALL AT THE CONTRACTOR'S EXPENSE.

THE TOPOGRAPHIC FEATURES SHOWN HEREON WERE COMPILED FROM FIELD SURVEY PERFORMED BY BKF ENGINEERS DATED MARCH 2012.

THE OWNER RESERVES THE RIGHT TO CONTRACT FOR AND PERFORM OTHER OR ADDITIONAL WORK ON OR NEAR THE WORK COVERED BY THIS CONTRACT. CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS NOT TO INTERFERE WITH OR HINDER PROGRESS OF COMPLETION OF THE WORK BEING PERFORMED BY OTHER CONTRACTORS. SEE SECTION 50-05 OF THE FAA GENERAL PROVISIONS.



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