NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK IN THE EXISTING CONTROL TOWER WITH THE FAA AIRWAYS FACILITIES REPRESENTATIVES AND THE RESIDENT ENGINEER. CONTRACTOR SHALL GIVE A MINIMUM OF 2 DAYS NOTICE PRIOR TO BEGINNING WORK IN THE EXISTING TOWER.

2. CONTRACTOR SHALL REMOVE EXISTING FIBER OPTIC CABLES FROM CONDUIT AFTER NEW FIBER OPTIC CABLES AND ALCMS HAVE BEEN INSTALLED AND OPERATIONAL.

3. CONTRACTOR SHALL PULL NEW FIBER OPTIC CABLES THROUGH EXISTING CABLE CHASE.

4. CONTRACTOR SHALL REMOVE EXISTING CONTROL CABLES IN TOWER FOR EXISTING AIRFIELD LIGHTING CONTROLS ONCE NEW AIRFIELD LIGHTING CONTROL SYSTEM IN TOWER IS COMPLETELY OPERATIONAL. CONTRACTOR SHALL ROUTE NEW FIBER OPTIC CABLES IN EXISTING CABLE CHASE.

5. CONTRACTOR SHALL REMOVE EXISTING CONTROL CABLES AND FLEXIBLE CONDUIT FROM TOWER CAB AFTER ALCMS HAS BEEN INSTALLED AND OPERATIONAL. CONTRACTOR SHALL RUN NEW FIBER OPTIC CABLES IN 2-2" FLEXIBLE CONDUITS ALONG ROUTE OF EXISTING CONTROL CABLES.

6. CONTRACTOR SHALL REMOVE EXISTING CONTROL CONSOLE AND INSTALL NEW COUNTERTOP AND FLUSH MOUNTED TOUCH SCREEN IN ITS PLACE. CONTRACTOR SHALL MAKE NECESSARY MODIFICATIONS TO EXISTING CABINET WORK TO PROVIDE COMPLETE AND OPERATIONAL SYSTEM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND TOWER CHIEF. NEW COUNTERTOP SHOULD BE CUSTOM WOOD CONSOLE OF SIZE AND FINISH TO MATCH THE EXISTING COUNTER OR AS DIRECTED BY TOWER CHIEF.

7. PROVIDE UPS AND RECEPTACLE FOR TOUCH SCREEN MONITOR IN THE TOWER CAB.

8. ALL NEW WORK IN EXISTING TOWER SHALL BE INCLUDED IN THE UNIT BID PRICE FOR L-890 ALCMS.

9. NEW ALCMS RACK SHALL BE SUPPLIED WITH WHEELS. NEW CONTROL SYSTEM SHALL BE OPERATIONAL AND TESTED PRIOR TO THE REMOVAL OF THE EXISTING PLC CABINET. PROVIDE SUFFICIENT CABLE SLACK REQUIRED FOR ALCMS RACK TO BE OPERATIONAL. NEW ALCMS RACK SHALL BE MAXIMUM 60" HIGH.

10. CONTRACTOR SHALL INSTALL 1-20A, 1-POLE CIRCUIT BREAKER IN PANEL "EG."

11. NEW #2 12THWN, 1 #12 GND, IN ¾" GRS CONDUIT.

12. CONTRACTOR SHALL INSTALL A BEACON CONTACTOR AND DOME OR PLC FOR BEACON CONTROL IN ATCT CAB. EXACT LOCATION SHALL BE COORDINATED WITH THE FAA.

EXISTING ATC TOWER MODIFICATIONS

TENTH FLOOR
CAB & WALKWAY

NEW (2) CAT 6 COMMUNICATION CABLES IN CONDUIT SEE NOTE #9
NEW ALCMS RACK. SEE NOTE #9

NEW (2) CAT 6 COMMUNICATION CABLES IN CONDUIT SEE NOTE #4

NINTH FLOOR

EIGHTH FLOOR

SEVENTH FLOOR

SIXTH FLOOR

FIFTH FLOOR

FOURTH FLOOR

THIRD FLOOR

SECOND FLOOR

GROUND FLOOR

1-12 STRAND MULTI-MODE FIBER OPTIC CABLE IN EXISTING CONDUIT TO VAULT. SEE NOTE #2

CONTROL CAB

EXISTING L-821 PANEL TO BE REMOVED AND REPLACED WITH NEW ALCMS TOUCH SCREEN MONITOR. SEE NOTES 1 AND 6

EXISTING POWER PANEL "EG" (SEE NOTE #10)

SEE NOTE #11
SEE NOTE #3
EXISTING UTILITY CHASE (TYP.)
SEE NOTE #2
5'

COAT ROOM
RESTROOM
BREAK ROOM
OFFICE
OFFICE
JANITOR CLOSET
FIRE PUMP ROOM
STORAGE ROOM
ELEV. ROOM
LOBBY

ELEVATOR

CHICAGO EXECUTIVE AIRPORT
WHEELING/PROSPECT HEIGHTS, ILLINOIS
CONSTRUCT PARTIAL PARALLEL TAXIWAY ECHO AND
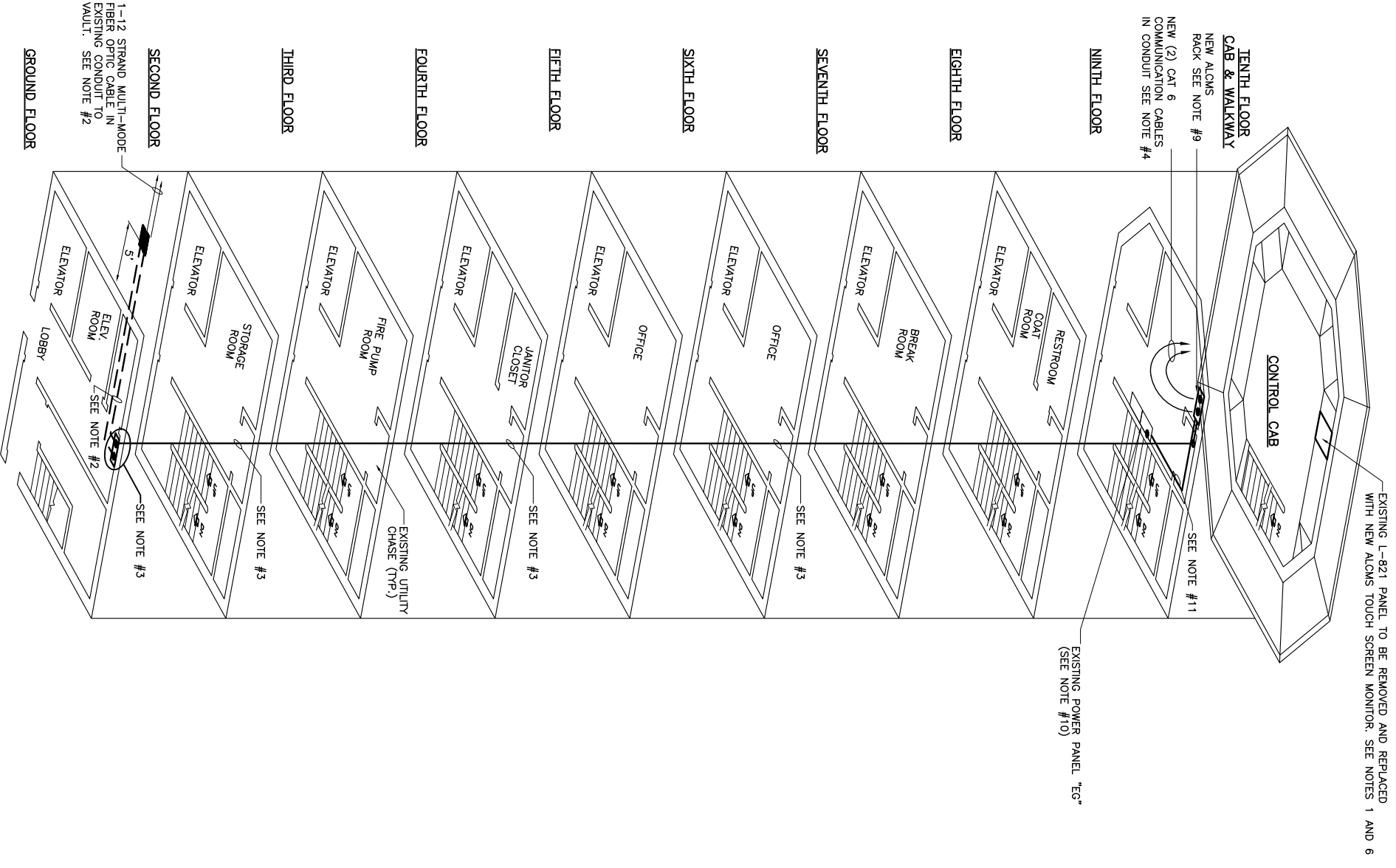### PARTIAL OVERLAY OF TAXIWAY ECHO

ADDITIVE ALTERNATE #2
ALCMS - SHEET 3

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000613

CHICAGO EXECUTIVE AIRPORT

DESIGN BY:	AB
DRAWN BY:	JRO
CHECKED BY:	MLK
APPROVED BY:	DLP
DATE:	04/22/11
JOB No:	08290-08

ILLINOIS PROJECT: PWK-3244
A.I.P. PROJECT: 3-17-0018-B32

SHEET 48 OF 49 SHEETS