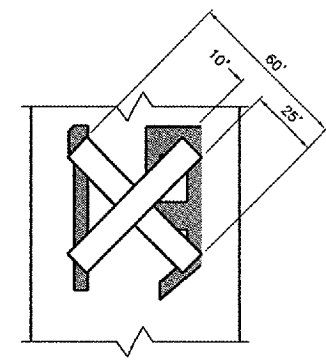


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 UPDATE BY: Jeremy Linke
 LAYOUT: Layout1
 XREF: DWG: 0725704 Rev 28 P\0725704\Sheets\06-mark And Re-light Rwy 10-28 Thd\06-mark-Sig Notes.dwg
 IMAGE FILES:

GENERAL NOTES:

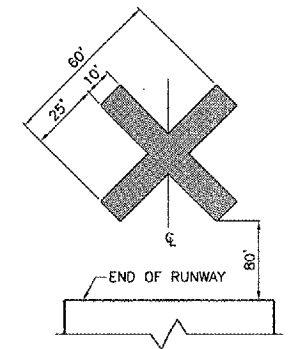
- ALL CONSTRUCTION SEQUENCING AND OPERATIONS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF AC 150/5370-2E OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION (LATEST EDITION). **PAYMENT FOR MAINTENANCE OF TRAFFIC AND REQUIREMENTS OF THE SEQUENCE OF CONSTRUCTION SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.**
- THE CONTRACTOR MUST STAGE CONSTRUCTION AROUND AIRPORT OPERATIONS. STAGING SHOWN IS SUGGESTED AND IS INTENDED TO PROVIDE THE CONTRACTOR WITH MAJOR WORK AREAS WHILE MINIMIZING DISRUPTIONS TO AIRPORT OPERATIONS. THE CONTRACTOR MAY USE ALTERNATE STAGING PLANS; HOWEVER, ALTERNATE STAGING PLANS MUST MAINTAIN AIRPORT OPERATIONS TO THE SATISFACTION OF THE AIRPORT DIRECTOR AND RESIDENT ENGINEER AND BE APPROVED BY THE DIVISION OF AERONAUTICS AND FEDERAL AVIATION ADMINISTRATION.
- THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER TWO WORKING DAYS IN ADVANCE OF ANY STAGING CHANGES WHICH WILL REQUIRE CHANGES IN AIRCRAFT MOVEMENT. THE RESIDENT ENGINEER SHALL THEN NOTIFY THE AIRPORT WHO WILL ISSUE APPROPRIATE NOTAMS. THE MOVING AND MAINTENANCE OF ALL TRAFFIC CONTROL SIGNS, BARRICADES, LATHE/RIBBON AT A.O.A. LIMITS ETC. SHALL BE THE CONTRACTOR'S RESPONSIBILITY, AND SHALL BE INCIDENTAL TO THE CONTRACT.
- BARRICADES AT 10' CENTERS SHALL BE PLACED AT THE LOCATIONS SHOWN OR AS DIRECTED BY THE ENGINEER. BARRICADES SHALL BE WEIGHED TO PREVENT BLOWING OVER, HAVE A FLASHING RED LIGHT AND CONFORM TO IDOT STANDARD 702001, TYPE II. ROPE WITH HIGH VISIBILITY ORANGE FLAGGING SHALL BE INSTALLED BETWEEN ALL BARRICADES.
- THE AIRPORT DIRECTOR IN CONSULTATION WITH THE RESIDENT ENGINEER SHALL HAVE FINAL SAY IN THE APPROVAL OF THE CONSTRUCTION OPERATING SEQUENCE AS IT RELATES TO PEDESTRIAN, VEHICULAR AND AIRCRAFT SAFETY.
- THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT AND MATERIALS OFF OF THE EXISTING PAVEMENTS, EXCEPT AS SHOWN OR WITH THE PRIOR APPROVAL OF THE AIRPORT DIRECTOR.
- EXISTING AREAS BEYOND PROJECT LIMITS INCLUDING THE HAUL ROAD(S) DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT DIRECTOR.
- EACH DAY AT THE COMPLETION OF WORK, OR MORE FREQUENTLY AS DETERMINED BY THE AIRPORT DIRECTOR, THE CONTRACTOR SHALL BE REQUIRED TO USE A PICKUP TYPE SWEEPER IN ALL ACTIVE CONSTRUCTION AIRFIELD PAVEMENT AREAS AND HAUL ROADS. THE COST OF SWEEPING SHALL BE INCIDENTAL TO THE CONTRACT.
- CONTRACTOR'S EQUIPMENT SHALL BE STORED IN THE EQUIPMENT AND MATERIAL STORAGE AREA WHEN CONSTRUCTION IS NOT IN PROGRESS.
- CONTRACTOR'S WORK WITHIN AIRCRAFT OPERATIONS AREA (A.O.A.) SHALL BE EXPEDITED TO MINIMIZE ANY TEMPORARY CLOSURE TIME.
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL AREA LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTIONS. LIGHT SHALL CONSIST OF MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED ONLY IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE. LIGHTING SHALL BE AS APPROVED BY THE RESIDENT ENGINEER AND SHALL NOT BE USED IF THEY AFFECT FLIGHT SAFETY.
- ANYTIME THE CONTRACTOR IS REQUIRED TO UTILIZE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO AND FROM THE WORK ZONE, A FULL TIME CROSSING GUARD IN RADIO CONTACT WITH THE AIR TRAFFIC CONTROL TOWER SHALL BE FURNISHED BY THE CONTRACTOR FOR MOVEMENTS OF VEHICLES OR EQUIPMENT TO AND FROM THE WORK ZONE. THE RADIO OPERATOR SHALL BE FAMILIAR WITH AIRPORT GROUND CONTROL PROCEDURES. THE CONTRACTOR SHALL PROVIDE THEIR OWN RADIOS. ANY PAVEMENT DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND DIRECTOR OF OPERATIONS AT NO ADDITIONAL COST TO THE OWNER. PAVEMENT SHALL BE CONTINUALLY SWEEPED TO PROVIDE A DEBRIS FREE SURFACE DURING ALL HAUL ROAD OPERATIONS. THIS COST OF CROSSING GUARDS, PAVEMENT REPAIR OR ANY NECESSARY ITEMS ASSOCIATED WITH THE SEQUENCE OR STAGING SHALL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. WHEN ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS BY THE CONTRACTOR, MATERIAL TRACKED ON TO THE PAVEMENT SHALL BE CONTINUALLY REMOVED WITH SAID SWEEPER. THIS SWEEPING SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- IF REQUESTED BY THE AIRPORT, FAA, OR ENGINEER, REMOVAL ITEMS/MATERIALS SHALL BE DELIVERED TO A DESIGNATED LOCATION AT THE AIRPORT MAINTENANCE BUILDING. IF NOT REQUESTED, MATERIALS REMOVED FROM THE PROJECT SHALL BE DISPOSED OF OFF OF AIRPORT PROPERTY (INCIDENTAL).
- PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO, BARRICADES, SIGNING, RUNWAY CLOSE MARKERS, AIR OPERATIONS AREA (A.O.A.) LATHE AND RIBBON, ETC. SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR WILL BE REQUIRED TO PLACE A LINE OF LATHE AND RIBBON ALONG THE AIR OPERATIONS AREA (A.O.A.) LIMIT AND ALONG DESIGNATED LIMITS OF CONSTRUCTION AT LOCATIONS AS SHOWN ON THE PLANS.

- THE CONTRACTOR SHALL CONTACT THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR A MINIMUM OF FIVE (5) WORKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION SO THAT THE APPROPRIATE NOTAMS MAY BE ISSUED.
- COORDINATION BY THE CONTRACTOR WITH THE EXISTING UTILITIES SHALL BE COMPLETED BEFORE CONSTRUCTION IS STARTED. SEE SECTION 50-17 OF THE SPECIAL PROVISIONS FOR SPECIFIC REQUIREMENTS.
- ORANGE CONES SHALL BE PLACED AT 25' CENTERS ALONG THE PAVEMENT EDGE DURING PAVING OPERATIONS OF THE CLOSURE LANES TO PREVENT VEHICLES FROM ENTERING.
- VEHICLES AND EQUIPMENT OPERATING ON THE AIRPORT SHALL DISPLAY ORANGE AND WHITE FLAGS (SEE DETAIL THIS SHEET) AND HAVE BEACON LIGHTS.
- ANY PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR AT NO ADDITIONAL COST TO THE OWNER. THE PAVEMENT SHALL BE CONTINUALLY SWEEPED TO PROVIDE A DEBRIS-FREE SURFACE DURING HAUL ROAD OPERATIONS. THIS COST SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED AT ALL TIMES UNLESS THE GATE IS MANNED WITH A GUARD (COST INCIDENTAL). THE CONTRACTOR SHALL PROVIDE AN "AUTHORIZED PERSONNEL ONLY" SIGN AT THE ACCESS GATE. THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE UPON LEAVING THE SITE, THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGES TO THE ACCESS ROAD, ACCESS GATE OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER. ALL COSTS RELATING TO THE CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BECOME NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, HE SHALL DO SO AT NO EXTRA COST TO THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.
- IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL NOTIFY THE AIRPORT DIRECTOR AND THE RESIDENT ENGINEER IMMEDIATELY.
- DURING ADVERSE WEATHER, THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO WORK.
- THE TALLEST PIECE OF CONSTRUCTION EQUIPMENT IS ANTICIPATED TO BE A COMBINATION LOADER, WHICH HAS A MAXIMUM HEIGHT OF 15 FEET WITH THE BUCKET IN THE FULLY EXTENDED POSITION.
- IF RUNWAY NUMERALS ARE PRESENT DURING CONSTRUCTION, THE CONTRACTOR SHALL PLACE "RUNWAY CLOSED" MARKERS OVER THE NUMERALS AS DETAILED IN THE PLANS. OTHERWISE, "RUNWAY CLOSED" MARKERS SHALL BE PLACED IN THE TURF AT THE ENDS OF THE RUNWAY AS DETAILED IN THE PLANS.
- RUNWAYS SHALL BE CLOSED DURING ANY TIME THE CONTRACTOR IS WORKING WITHIN THE RUNWAY A.O.A. AND/OR OPEN EXCAVATIONS NOT MEETING THE RUNWAY GRADING CRITERIA EXIST WITHIN 200' OF THE AFFECTED RUNWAY CENTERLINE.
- ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER AIRPORT ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS ACCEPTABLE TO THE RESIDENT ENGINEER. ALL TEMPORARY CABLING AND SPLICING NECESSARY TO KEEP THE CIRCUITS IN OPERATION SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.



- CLOSED RUNWAY MARKERS SHALL BE YELLOW.
- MARKERS SHALL BE A MATERIAL APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION.
- MARKERS SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS AS SHOWN.
- COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- DURING VARIOUS PHASES OF WORK, IT WILL BE NECESSARY TO CLOSE RUNWAYS TO AIR TRAFFIC ON A TEMPORARY BASIS AS COORDINATED WITH THE AIRPORT AND TOWER PERSONNEL. THE CONTRACTOR SHALL MARK THE RUNWAYS TO BE CLOSED BY PLACING A YELLOW CROSS AT THE LOCATION AND DIMENSIONS DETAILED ON THIS SHEET. THE CROSSES ARE SHOWN ON THE RESPECTIVE RUNWAYS ACCORDING TO THE VARIOUS PHASES OF WORK AS DELINEATED IN THE SUGGESTED SEQUENCE OF CONSTRUCTION.

CLOSED RUNWAY MARKER DETAIL
ON PAVEMENT - NO SCALE



- CLOSED RUNWAY MARKERS SHALL BE YELLOW.
- MARKERS SHALL BE A MATERIAL APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION.
- MARKERS SHALL BE PLACED 80- FEET OFF THE RUNWAY-END OR AS NOTED.
- COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

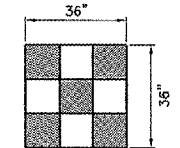
CLOSED RUNWAY MARKER DETAIL
OFF PAVEMENT - NO SCALE

DESIGN AIRCRAFT APPROACH CATEGORY: B DESIGN AIRPORT GROUP: II	
MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: 15' POINT "A" @ PAVEMENT MARKING EAST SIDE CLOSEST POINT OF CONSTRUCTION TO RUNWAY 2L/20R (10/28 CLOSED) STA. 211+46.77, 36.5' RT. RUNWAY 10/28 CENTERLINE GEOGRAPHIC NAD 83: LATITUDE: 41°54'45.94" LONGITUDE: 88°14'52.97" POTENTIAL OBJECT ELEVATION: 771.23 = (GROUND ELEVATION 756.23 + COMBO 15')	MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: 15' POINT "B" @ PAVEMENT MARKING WEST SIDE CLOSEST POINT OF CONSTRUCTION TO RUNWAY 2L/20R (10/28 CLOSED) STA. 207+42.83, 36.5' RT. RUNWAY 10/28 CENTERLINE GEOGRAPHIC NAD 83: LATITUDE: 41°54'45.52" LONGITUDE: 88°14'47.66" POTENTIAL OBJECT ELEVATION: 771.23 = (GROUND ELEVATION 756.23 + COMBO 15')
MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: 15' POINT "C" @ 28 THRESHOLD LIGHT CLOSEST POINT OF CONSTRUCTION TO RUNWAY 15/33 STA. 192+36.89, 50' RT. RUNWAY 10/28 CENTERLINE GEOGRAPHIC NAD 83: LATITUDE: 41°54'44.09" LONGITUDE: 88°14'27.83" POTENTIAL OBJECT ELEVATION: 771 = (GROUND ELEVATION 756 + COMBO 15')	
CONTRACTOR SHALL PLAN AND PERFORM HIS WORK SO AS NOT TO INTERFERE OR HINDER THE PROGRESS, WORK OR HAUL ROAD ACCESS OF OTHER CONTRACTORS (SEE SPECIAL PROVISIONS SECTION 30-05). THE PRIME CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE CONSTRUCTION ACTIVITIES AND ACCESS BETWEEN ALL ON-SITE CONTRACTORS/SUBCONTRACTORS. IT IS ANTICIPATED THE FOLLOWING PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT: <ul style="list-style-type: none"> INSTALL RUNWAY 28 PAPI / REMOVE VASI REHABILITATION OF RUNWAY 2L/20R - PHASE 1 AIRFIELD SIGNAGE UPDATE - PHASE 1 	

LIMITATIONS ON CONSTRUCTION WITHIN AIRPORT OPERATIONS AREA (AOA)

RUNWAYS:
THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND DIRECTOR OF OPERATIONS TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION PHASE CHANGES. WORK SHALL BE EXPEDITED IN RUNWAY 2L / 20R A.O.A. AND NEAR OPEN TAXIWAYS. THE CONTRACTOR SHALL BE GIVEN 7 CALENDAR DAYS TO COMPLETE THIS WORK, IF DURING RUNWAY CLOSURE AN EMERGENCY IS DECLARED, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE RUNWAY OF ALL VEHICLES, MEN AND EQUIPMENT.

TAXIWAYS:
CONSTRUCTION WILL BE ALLOWED UP TO THE EDGE OF THE TAXIWAY PAVEMENTS WITHOUT CLOSURE ON A LIMITED BASIS. WORK WITHIN THE TAXIWAY A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.



CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG
ORANGE/WHITE

IL. CONTRACT: **DU076**
 IL. LETTING ITEM: **2A**
 IL. PROJECT: **DPA-3695**
 A.I.P. PROJECT: **3-17-0017-B21**

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE

0 1 2
THIS BAR IS EQUAL TO 2"
AT FULL SCALE (34x22).

DUPAGE AIRPORT
WEST CHICAGO, ILLINOIS
RE-MARK Rwy 10-28 AND RE-LIGHT Rwy END 28 THRESHOLD
SEQUENCE OF CONSTRUCTION PER AC 150-5370-2E
GENERAL NOTES AND DETAILS

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DDM
 DuPage Airport

DESIGN BY:	JRL
DRAWN BY:	JRO
CHECKED BY:	DLP
APPROVED BY:	DLP
DATE:	MARCH 7, 2008
JOB No:	07257-04

SHEET 4 OF 7 SHEETS