

**PHASING NOTES (ALL PHASES)**

1. THE INTENT OF THE PHASING PLANS IS TO MINIMIZE THE IMPACT OF CONSTRUCTION ON THE OPERATION OF THE AIRPORT. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN CONSECUTIVE PHASES AS OUTLINED IN THE PLANS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. PRIOR TO REOPENING A CLOSED RUNWAY, THE ENTIRE RUNWAY SAFETY AREA (200 FEET FROM CENTERLINE) MUST MEET FAA CRITERIA. FAA CRITERIA REQUIRES THAT THERE BE NO OPEN EXCAVATIONS OR TRENCHES, THE MAXIMUM PAVEMENT DROPOFF BE 3 INCHES, AND ALL GRADES IN ANY DIRECTION BE LESS THAN 5 PERCENT. TEMPORARY WEDGING OF BASE COURSE AND BITUMINOUS CONCRETE WILL BE REQUIRED TO MEET CRITERIA.
3. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE. STRICT ADHERENCE TO THE APPROVED SCHEDULE WILL BE ENFORCED TO AVOID CONFLICTS WITH OTHER CONSTRUCTION ACTIVITIES ON THE AIRPORT AND THE ADVERSE EFFECTS THEY COULD HAVE ON AIRPORT OPERATIONS.
4. THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE AIRPORT STAFF TO SCHEDULE THE RUNWAY/TAXIWAY CLOSURES. ITEMS SUCH AS THE EXTENDED WEATHER FORECAST, MATERIAL AVAILABILITY, EQUIPMENT DEPENDABILITY AND MANPOWER AVAILABILITY SHALL BE DISCUSSED PRIOR TO SCHEDULING THIS CRITICAL CLOSURE. THE ACTING AIRPORT MANAGER AND THE CONTRACTOR SHALL MUTUALLY AGREE ON THE EXACT DATE OF THE CLOSURE.
5. CONTRACTOR MUST MAINTAIN ACCESS TO ALL APRON/HANGAR AREAS AT ALL TIMES. CONTRACTOR SHALL RELOCATE EQUIPMENT AT NO ADDITIONAL COST TO CONTRACT TO ALLOW AIRCRAFT TO PASS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS AT ALL APRON/HANGAR AREAS TO PROVIDE MINIMAL DISRUPTIONS TO AIRCRAFT MOVEMENT IN THAT AREA.

**LIQUIDATED DAMAGES (ALL PHASES)**

1. BECAUSE OF THE CRITICAL LIMITATIONS WHICH THE CLOSURE OF RUNWAY 16/34 PLACES ON THE USERS OF THE AIRPORT, LIQUIDATED DAMAGES IN THE AMOUNT OF \$2500 WILL BE DEDUCTED FROM THE MONIES OWED THE CONTRACTOR FOR EACH HOUR OVER 6:00 AM UNTIL SPECIFIED WORK IS COMPLETED AND THE RUNWAY IS REOPENED TO AIRCRAFT TRAFFIC. DAMAGES MAY BE ASSESSED STARTING AT 6:01 AM ON ANY DAY THE RUNWAY IS NOT REOPENED.
2. A MAXIMUM OF THREE (3) CLOSURES ON RUNWAY 16/34 WILL BE ALLOWED. RUNWAY CLOSURES, NIGHTTIME (10 PM - 6 AM). SEE SEQUENCE OF CONSTRUCTION GENERAL NOTES FOR DETAILS ON RUNWAY CLOSURES. FOR EVERY ADDITIONAL RUNWAY 16/34 CLOSURE REQUIRED BY THE CONTRACTOR LIQUIDATED DAMAGES IN THE AMOUNT OF \$2,500 WILL BE ASSESSED.

**PHASE 1 SUGGESTED SEQUENCE OF CONSTRUCTION**

- MARK AIR OPERATIONS AREA (A.O.A.) WITH LATHE AND RIBBON AND PLACE BARRICADES AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- COORDINATE CLOSURE OF RUNWAY 12/30 WITH ENGINEER. PLACE CLOSED RUNWAY MARKERS.
- CONSTRUCT PROPOSED IMPROVEMENTS INCLUDING ELECTRICAL CABLING WITHIN RUNWAY 12/30 AIR OPERATIONS AREA.
- CLEAN PAVEMENTS AND REMOVE BARRICADES.
- OPEN RUNWAY 12/30.

**PHASE 2: SUGGESTED SEQUENCE OF CONSTRUCTION**

- MARK AIR OPERATIONS AREA (A.O.A.) WITH LATHE AND RIBBON AND PLACE BARRICADES AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- COORDINATE CLOSURE OF RUNWAY 6/24 AND TAXIWAY D WITH ENGINEER. PLACE CLOSED RUNWAY MARKERS.
- CONSTRUCT PROPOSED IMPROVEMENTS, INCLUDING PAVING, JOINT SEALING, PAVEMENT MARKING, ELECTRICAL AND SAFETY GRADING FOR PHASE 2 LIMITS. THIS WORK SHALL BE DONE TO THE SATISFACTION OF THE AIRPORT MANAGER.
- CLEAN PAVEMENTS AND REMOVE BARRICADES.

**PHASE 2A: SUGGESTED SEQUENCE OF CONSTRUCTION**

- COORDINATE TEMPORARY NIGHTTIME CLOSURE OF RUNWAY 16/34 WITH THE ENGINEER AND PLACE CLOSED RUNWAY MARKERS.
- PLACE BARRICADES AS SHOWN OR AS DIRECTED BY THE ENGINEER FOR PHASE 2A LIMITS.
- CONSTRUCT PROPOSED IMPROVEMENTS WITHIN PHASE 2A LIMITS, INCLUDING PAVEMENT REMOVAL, TURFING AND GRADING. THIS WORK SHALL BE DONE TO THE SATISFACTION OF THE AIRPORT MANAGER.
- CLEAN ALL PAVEMENTS AND REMOVE PHASE 2A BARRICADES.
- OPEN RUNWAY 16/34.

**LEGEND**

- PHASE WORK AREA
- SUBPHASE WORK AREA
- AIRCRAFT MOVEMENT AREA PHASE
- BARRICADE WITH FLASHING LIGHTS AND SIGNS PHASE 1 ("DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA")
- BARRICADE WITH FLASHING LIGHTS AND SIGNS PHASE 2 ("DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA")
- BARRICADE WITH FLASHING LIGHTS AND SIGNS SUBPHASE ("DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA")
- AIR OPERATIONS AREA (A.O.A.)
- ACTIVE RUNWAYS 200' CENTERLINE TO A.O.A.
- ACTIVE TAXIWAYS 72' CENTERLINE TO A.O.A.
- TEMPORARY CLOSED RUNWAY MARKER
- CONTRACTOR'S ACCESS/HAUL ROAD

**PHASE 1: NOTES**

1. AIRCRAFT SHALL NOT USE NEW P.C. CONCRETE PAVEMENTS UNTIL 3,500 PSI COMPRESSIVE STRENGTH HAS BEEN OBTAINED.
2. WEST LIMITS OF PHASE 1 PAVING SHALL BE AT STA. 404+00, OR AS DIRECTED BY THE ENGINEER.

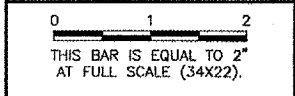
**PHASE 2: NOTES**

1. AIRCRAFT SHALL NOT USE NEW P.C. CONCRETE PAVEMENTS UNTIL 3,500 PSI COMPRESSIVE STRENGTH HAS BEEN OBTAINED.
2. ACCESS FOR AIRCRAFT BETWEEN THE SOUTHWEST QUADRANT HANGAR/RAMP AREAS AND RUNWAY 16/34 SHALL BE MAINTAINED AT ALL TIMES ON CLOSED RUNWAY 6/24.
3. CONTRACTOR SHALL LIMIT HAUL ROUTE TO A 40' WIDE PATH ON EXISTING APRON. AT THE COMPLETION OF PHASE 2 CONTRACTOR SHALL BITUMINOUS MILL 2" AND PLACE 2" BITUMINOUS SURFACE ON APRON AREA WEST OF HANGAR 6. WORK SHALL BE PAID UNDER ITEMS AR401650 AND AR401610.

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**REVISIONS**

NUMBER	BY	DATE



**PALWAUKEE MUNICIPAL AIRPORT**  
**WHEELING/PROSPECT HEIGHTS, ILLINOIS**  
**SEQUENCE OF CONSTRUCTION**  
**PER AC 150/5370-2E**  
**(LATEST EDITION) - SHEET 1**

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SHEET 4 OF 40 SHEETS	