

B. WORK ADJACENT TO AND ON RUNWAYS

THE CONTRACTOR SHALL:

- NOT ALLOW ANY WORK TO BE UNDERTAKEN INSIDE OF, OR ANY PERSONNEL, EQUIPMENT, OR VEHICLES TO ENTER THE TAXIWAY OR RUNWAY RESTRICTED ZONE (OBJECT FREE AREA) WHILE ANY TAXIWAY OR RUNWAY IS "OPEN". THE RESTRICTED ZONE FOR TAXIWAY 'A' IS DEFINED AS THE AREA WITHIN 93- FEET OF THE TAXIWAY CENTERLINE, THE RESTRICTED ZONE FOR TAXIWAYS 'R', 'S' AND 'T' IS DEFINED AS THE AREA WITHIN 57.5- FEET OF THE TAXIWAY CENTERLINES. THE ENGINEER SHALL, WHEN REQUESTED BY THE CONTRACTOR AND WHEN IN CONFORMANCE TO THE APPROVED CONSTRUCTION SCHEDULE, ARRANGE FOR THE CLOSURE OF AFFECTED TAXIWAYS AND RUNWAYS. A MINIMUM OF 24 HOURS ADVANCE NOTICE IS REQUIRED TO SCHEDULE ANY AIRFIELD PAVEMENT CLOSURES.
- BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY LIGHTING AND OTHER SPECIAL EQUIPMENT THAT MAY BE NEEDED FOR NIGHTTIME CONSTRUCTION IF REQUESTED BY CONTRACTOR AND APPROVED BY ENGINEER. THE COST OF THIS EQUIPMENT SHALL BE INCLUDED IN THE GENERAL COST OF THE WORK, NO SEPARATE PAYMENT WILL BE MADE.

REQUEST THROUGH THE ENGINEER AND IN CONFORMANCE WITH THE PHASING PLANS THE CLOSURES OF ANY AIRFIELD PAVEMENTS, THE AIRPORT MANAGER, IN COOPERATION WITH THE FAA, WILL CLOSE THE TAXIWAYS AND RUNWAYS TO AIRCRAFT ACTIVITY TO ALLOW CONSTRUCTION ACTIVITY WITHIN THE RUNWAY/TAXIWAY RESTRICTION ZONE. THESE ZONES ARE DEFINED AS AN AREA WITHIN 250- FEET OF A RUNWAY CENTERLINE AND 93- FEET OF A TAXIWAY 'A' CENTERLINE. THE CLOSURE PERIOD WILL BE SUBJECT TO THE FOLLOWING CRITERIA:

THE CLOSURE PERIODS WILL BE SCHEDULED IN GENERAL CONFORMANCE WITH THE PHASING PLANS. ADDITIONALLY, THE RUNWAY CLOSURE WILL BE DEPENDENT UPON THE WEATHER FORECAST; THE CONTRACTOR BEING FULLY MOBILIZED TO PURSUE THE WORK AT MAXIMUM EFFICIENCY (IN THE ENGINEER'S OPINION); AND ANY UNFORESEEN EMERGENCY WHICH, IN THE ENGINEER'S AND CITY'S OPINIONS, MAKES THE CLOSURE UNFEASIBLE.

THE CONTRACTOR WILL BE REQUIRED TO FURNISH ALL BARRIERS, BARRICADES, AND TAXIWAY/RUNWAY CLOSED SYMBOLS AS NECESSARY. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE PRICE BID FOR M-101, MOBILIZATION.

AT THE CONCLUSION OF ANY TAXIWAY CLOSURE, THE TAXIWAY SAFETY AREA AND ASSOCIATED NAVAID CRITICAL AREA SHALL BE RESTORED TO ORIGINAL ELEVATIONS AND GRADES. THE CONTRACTOR MAY NOT CONCLUDE A DAYS WORK AND REMOVE HIS FORCES FROM A WORK AREA WITHOUT RESTORING THE TAXIWAY OR EXISTING TAXIWAY TO OPERATIONAL STATUS.

THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE AT ALL TIMES WHILE THE CONSTRUCTION UNDER THIS CONTRACT IS IN PROGRESS A SELF- PROPELLED, SELF-CONTAINED VACUUM SWEEPER WITH NOT LESS THAN A 10-FOOT (3-M) BROOM (4 CUBIC YARD (3 CU. M) CAPACITY) APPROVED BY THE ENGINEER. THE SWEEPER SHALL OPERATE AS NECESSARY TO KEEP AIRCRAFT PAVEMENTS, ACCESS ROADS AND THE WORK AREAS CLEAN. AT THE CLOSE OF EACH DAY'S WORK, ALL AIRFIELD PAVEMENTS USED OR DIRTIED BY THE CONTRACTOR, SHALL AGAIN BE SWEEPED AND CLEANED OF ALL LOOSE AGGREGATE, SAND, DIRT OR DEBRIS FOR APPROVAL BY THE AIRPORT OPERATIONS PRIOR TO REOPENING THE PAVEMENTS FOR AIRCRAFT.

V. STAGING AREAS - GENERAL REQUIREMENTS

- THE LOCATION AND SIZE OF THE CONTRACTOR'S STAGING AREA IS SHOWN FOR REFERENCE ONLY. THE ACTUAL SIZE AND EXACT LOCATION WILL BE ESTABLISHED PRIOR TO CONSTRUCTION. THE FOLLOWING REQUIREMENTS WILL APPLY, HOWEVER:

ACCESS TO THE STAGING AREA SHALL BE OFF AIRPORT PARKWAY. ALL CONSTRUCTION SITE ACCESS SHALL BE VIA THE SECURITY GATE ADJACENT THE CUSTOMS FACILITY AND THROUGH THE STAGING AREA OR AS DIRECTED BY AIRPORT OPERATIONS. THE CONTRACTOR SHALL NOT PREVENT ACCESS TO THE SECURITY GATE BY AIRPORT STAFF, FAA PERSONNEL, THE ENGINEER OR THE ENGINEER'S SUBCONSULTANTS. ALL OF THE CONTRACTOR'S ACTIVITY WILL BE STAGED FROM THIS AREA. ALL FIELD OFFICE AND EMPLOYEE PARKING WILL BE LIMITED TO THE AREA ALONG AIRPORT PARKWAY. ONLY VEHICLES REQUIRED TO PERFORM LEGITIMATE FUNCTIONS BY THE CONTRACTOR ON THIS PROJECT AND FULLY COVERED UNDER THE CONTRACTOR'S INSURANCE AS SPECIFIED WITHIN THE SPECIAL PROVISIONS, WILL BE ALLOWED WITHIN THE AOA. THE CONTRACTOR WILL BE RESPONSIBLE FOR TRANSPORTING EMPLOYEES FROM THE STAGING AREA TO AND FROM THE WORK AREAS.

THE STAGING AREA WILL REMAIN THROUGHOUT THE CONSTRUCTION. THE COST OF ANY FENCING AND ANY OTHER WORK REQUIRED TO PREPARE THE STAGING AREA SHALL BE INCLUDED IN THE PRICE BID FOR ITEM M-101, MOBILIZATION.

THE STAGING AREA WILL BE ESTABLISHED ON AN ABANDONED AIRFIELD PAVEMENT. THE CONTRACTOR MAY DO GRADING AND DRAINAGE WORK TO ADAPT THE INGRESS/EGRESS AREA TO HIS SPECIFIC NEEDS. UPON COMPLETION OF THE WORK, HOWEVER, THE AREA WILL BE RESTORED TO THE ORIGINAL CONDITION.

IT IS NOT ANTICIPATED THAT THE AIRPORT'S OBSTRUCTION HEIGHT REQUIREMENTS, AS DEFINED IN FAA'S FAR PART 77, WILL RESTRICT THE CONTRACTOR'S ACTIVITIES IN THE STAGING AREA. IT IS REQUIRED, HOWEVER, THAT THIS ASSUMPTION BE VERIFIED BY THE CONTRACTOR THROUGH THE ENGINEER PRIOR TO BEGINNING WORK. APPROVAL BY THE FAA IS REQUIRED TO CHECK HEIGHT RESTRICTIONS SHOULD THE EQUIPMENT WILL BE RESTRICTED TO A HEIGHT OF 119' FOR HANGAR 'A', 76' FOR HANGAR 'B', AND 40' FOR HANGAR 'C'

CONTRACTOR WISH TO USE A CRANE DURING THE COURSE OF CONSTRUCTION. THIS APPROVAL MUST BE REQUESTED WELL IN ADVANCE BY THE SUBMISSION OF FAA FORM 7460 THROUGH THE ENGINEER.

THE CONTRACTOR WILL BE REQUIRED TO OBSERVE ALL EXISTING TRAFFIC FLOW DIRECTIONS WHEN ENTERING AND LEAVING THE STAGING AREA. NO COUNTER FLOW WILL BE ALLOWED ANY TIME.

THE CONTRACTOR SHALL PROVIDE PROFESSIONALLY-MADE SIGNS INDICATING THE NAME OF THE CONTRACTOR AND A MESSAGE DIRECTING ALL MATERIALS DELIVERIES TO THE STAGING AREA.

VI. SCHEDULES

- THE WORK IN THIS CONTRACT HAS BEEN SEQUENCED IN A MANNER WHICH WILL MINIMIZE DISRUPTION TO NORMAL AIRPORT OPERATION AND COMPLY WITH APPROPRIATE FAA SAFETY CRITERIA. THE CONTRACTOR'S DETAILED SCHEDULING OF HIS WORK MUST BE DONE WITHIN THE FRAMEWORK OF THE SPECIFIED SEQUENCE OF CONSTRUCTION AND THESE CONSTRUCTION CONTROL NOTES. FAILURE BY THE CONTRACTOR TO APPRECIATE AND UNDERSTAND THE COMPLEXITY OF THE WORK IN HIS SCHEDULING WILL NOT BE REASON FOR HIM/HER TO CLAIM FOR ADDITIONAL TIME AND/OR COMPENSATION.
- BECAUSE OF THE CIRCUMSTANCES OF THIS WORK, THE CONTRACTOR IS ADVISED THAT THE CONTRACT REQUIREMENTS FOR SCHEDULING OF THE WORK AND THE PENALTIES FOR FAILURE TO MAINTAIN AN APPROVED REALISTIC CONSTRUCTION SCHEDULE WILL BE STRICTLY ENFORCED. SHOULD THE CONTRACTOR FAIL TO MAINTAIN A CONSTRUCTION SCHEDULE THAT REASONABLY REFLECTS ACTUAL AND ANTICIPATED PROGRESS, ANY ADDITIONAL COSTS NECESSARY TO RESOLVE CONFLICTS WITH THE WORK THAT, IN THE ENGINEER'S OPINION, COULD HAVE OTHERWISE BEEN FORESEEN AND AVOIDED, WILL BE BORNE BY THE CONTRACTOR.

VII. DUST CONTROL

- THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DUST CONTROL REQUIREMENTS OF THIS CONTRACT. THE OPERATION OF RUNWAYS, TAXIWAYS, AND ASSOCIATED NAVAIDS ARE ESPECIALLY SENSITIVE TO DUST. THE ENGINEER RESERVES THE RIGHT TO STOP CONTRACTOR OPERATIONS, IF NECESSARY TO BRING DUST UNDER CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AS WELL AS ALONG ANY ROADWAYS USED BY THE EQUIPMENT AND VEHICLES.
- WATER TRUCKS SHALL BE MAINTAINED AT ALL TIMES SUCH THAT THE ACCESS ROADS AND CONSTRUCTION AREAS CAN BE WETTED AS NECESSARY. THE CONTRACTOR SHALL BE PREPARED, AT NO EXTRA COST TO THE OWNER, TO USE ADDITIONAL WATER TRUCKS OR OTHER MEANS SHOULD IT BE NECESSARY TO MAINTAIN DUST TO AN ACCEPTABLE LEVEL. ALL WATER TRUCKS SHALL BE SUBSIDIARY TO THE VARIOUS BID ITEMS ON THE PROJECT.

VIII. LIQUIDATED DAMAGES

FAILURE TO REOPEN A RUNWAY AT THE DESIGNATED TIME WILL RESULT IN LIQUIDATED DAMAGES OF \$500 PER 15 MINUTE INCREMENT BEYOND THE SCHEDULED REOPENING TIME.

\$100 PER 30-MINUTE INCREMENT FOR EACH 30-MINUTE INTERVAL A TAXIWAY IS DELAYED FROM ITS SCHEDULED REOPENING.

\$1,000 PER DAY FOR EACH DAY THE PROJECT COMPLETION IS DELAYED FROM ITS SCHEDULED COMPLETION DATE.

IX. DEMOBILIZATION

CONDITIONS OF THE PROJECT AREA UPON COMPLETION OF THE JOB SHALL BE GOOD AS OR BETTER THAN THE CONDITIONS PRIOR TO STARTING WORK, IN ADDITION TO THE WORK ITEMS LISTED.

THE PROJECT AREA SHALL BE FREE OF ANY CONTRACTOR STOCKPILE MATERIALS UPON COMPLETION OF THE JOB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

UPON COMPLETION OF THE PROJECT, ALL OF THE HAUL ROUTES SHALL BE PROPERLY CLEANED TO PREVENT OBSTRUCTION AND/OR CAUSE INCONVENIENCE TO NORMAL REGULAR TRAFFIC. ALL TEMPORARY HAUL ROUTES SHALL BE REMOVED AND BROUGHT BACK TO ORIGINAL CONDITION OR BETTER.

THE RPR TRAILER, ALL OF THE CONSTRUCTION EQUIPMENT, AND ANY FACILITIES TEMPORARILY PLACED ON SITE FOR THE PROJECT SHALL BE REMOVED FROM THE SITE.

ANY PROPERTIES BELONGING TO THE AIRPORT SHALL BE RETURNED TO THE AIRPORT OWNER.

PROPER DRAINAGE (NO LOCALIZED PONDING) SHALL BE MAINTAINED, PRIOR TO, DURING AND AFTER MOBILIZATION.

DEMOBILIZATION SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.

DEMOBILIZATION SHALL BE DONE IN A MANNER THAT WILL NOT CAUSE ANY INCONVENIENCE TO AIRPORT OPERATIONS.

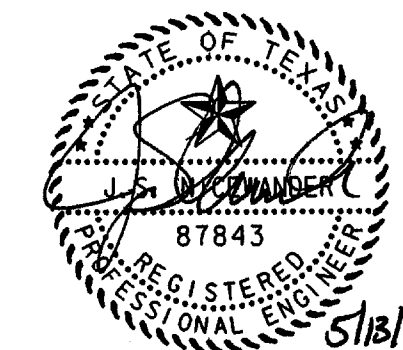
ANY DAMAGE TO THE AIRPORT PROPERTIES DURING DEMOBILIZATION SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S OWN EXPENSE.

SAFETY REGULATIONS SHALL BE OBSERVED AT ALL TIMES DURING DEMOBILIZATION.

THE COST FOR DEMOBILIZATION SHALL BE CONSIDERED SUBSIDIARY TO ITEM 1, M-101, MOBILIZATION.

THE CONTRACTOR SHALL VIDEO TAPE THE ENTIRE WORK AREA AFTER THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THE CONTRACTOR SHALL PROVIDE ONE (1) COPY OF THIS VIDEO TAPE(S) TO BOTH THE AIRPORT MANAGER AND THE ENGINEER. THE COST OF PREPARING VIDEO SHALL BE SUBSIDIARY TO THE OTHER BID ITEMS.

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NO.	DATE	REVISION	APPROV.
<b>HNTB</b> ARCHITECTS ENGINEERS PLANNERS The HNTB Companies			
<b>TOWN OF ADDISON</b>			
ADDISON AIRPORT PAVEMENT RECONSTRUCTION OF APRON 'A' AND HANGARS 'A', 'B' AND 'C'			
GENERAL NOTES			
TOWN OF ADDISON, TEXAS			
Design JSN	Drawn GFS	DATE	PROJECT NO.
Check JDH	Check JSN	MAY 2003	37365
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