



DEPARTMENT OF THE ARMY

U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314-1000

REPLY TO
ATTENTION OF:

CECW-E

02 Feb 01

MEMORANDUM FOR COMMANDERS, MAJOR SUBORDINATE COMMANDS

SUBJECT: Military Construction Management Policy for Airfield Pavement Projects

1. References:

a. Memorandum, HQAFCEA/CC, 28 Jun 00, subject: Improved Corps of Engineers Management of Airfield Pavement Projects.

b. Construction Bulletin No. 96-2, CEMP-EC, 2 Mar 98, subject: TSMCX Technical Support to Field During Airfield Pavement Construction.

2. Reference 1.a. identified eight recent U.S. Army Corps of Engineers (USACE) managed Air Force projects that experienced unacceptable airfield pavement quality. In all the cited cases, pavements performed poorly and deteriorated rapidly, projects incurred substantial cost overruns, and/or air operations were adversely impacted by project delays and airfield closures. The two primary reasons, cited by the Air Force, for the poor pavement performance were lack of full time qualified USACE quality assurance personnel and the selection of contractors ill-staffed or equipped to accomplish major airfield pavement projects.

3. To supplement district in-house construction management capabilities and help districts provide our customers with quality products, the following sets forth HQUSACE policy for construction management of airfield pavement projects:

a. On-site Airfield Paving Workshops will be conducted by the USACE Transportation Systems Mandatory Center of Expertise (TSMCX) for all airfield pavement projects with a current working estimate (CWE) over \$5,000,000. For projects with a CWE less than \$5,000,000 workshops will be provided by the TSMCX only when requested by the district or the customer. Enclosure 1 provides an overview of paving workshops and a point of contact for scheduling workshops.

b. Additional methods for technical support, available to the field during airfield pavement construction, are listed in Reference 1 b. Quality Assurance (QA) inspection and testing services are available using the TSMCX Indefinite Delivery Type (IDT) Contract for Construction Management of Airfield and Roadways Worldwide. Districts are strongly encouraged to use these resources to supplement their in-house expertise and capabilities. An overview of contract services available under the IDT and the steps needed to obtain those services is at Enclosure 2.

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c. Districts are strongly encouraged to look at ways to ensure that more qualified contractors are selected for critical airfield construction projects, including the use of Request for Proposals (RFP) and Design-Build types of contracts.

4. To monitor implementation of the above policy and to respond to Air Force concerns, HQUSACE will:

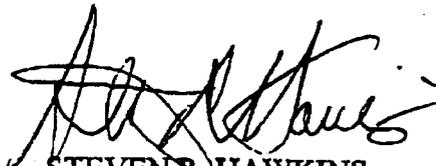
a. Establish an Airfield Pavement Hotline where the Air Force can quickly identify problems and get an immediate response. At this time, Greg Hughes, HQUSACE, (703)-428-7130 will be the single point of contact (POC). An alternate POC will be Terry Sherman, USACE-TSMCX, 402-221-7260. E-mails can be sent to gregory.w.hughes@usace.army.mil with a copy to terry.w.sherman@usace.army.mil.

b. Establish Airfield Pavement Construction (APC) Working Group composed of representatives from HQUSACE, TSMCX, HQ AFCESA and Air Force Major Commands (MAJCOM). The APC Working Group will meet semi-annually to review implementation of the above USACE policy and discuss problem areas. The initial meeting will be held in conjunction with the HQAFCESA/MAJCOM Pavements Workshop at Tyndall AFB, Mar 01. Future meetings will be alternated between HQUSACE and HQAFCESA.

5. The above policy provides existing USACE resources that are available to assist districts in constructing quality Airfield Pavements and meeting our customers' needs. District Commanders are responsible for assuring adequate and qualified QA is provided for critical airfield pavement projects.

6. The HQUSACE POC for questions or comments on this matter is Mr. Gregory W. Hughes, CECW-EW, (703) 428-7130.

FOR THE COMMANDER:



STEVEN R. HAWKINS
Brigadier General, USA
Director of Military Programs

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as

CF:

All Districts

AF MAJCOM

Jim Greene, AFCESA CESC

Terry Sherman, TSMCX

AIRFIELD PAVING WORKSHOPS

1. The TSMCX is available to provide on-site Airfield Paving Workshops on how to construct quality hot-mix asphalt (HMA) and portland cement concrete (PCC) airfield pavements. Workshops are provided for Corps Quality Assurance (QA) staff, contractor and subcontractor Quality Control (QC) and construction staff, materials suppliers, and testing personnel. Corps' designers, local Air Force Base Civil Engineers (BCE) and any Director of Public Works staff may also be invited to attend.
2. The workshops are usually one day for HMA paving and two days for PCC slipform paving. The workshops are tailored to specific project requirements. HMA workshops include overview of HMA, mixing plant operations, placement, compaction, materials quality control (QC)/QA testing and inspection, control charts, troubleshoot and a review of contract specification 02749. PCC Workshops include mixing plant operations, materials testing, QC/QA testing and inspection, slipform paving, finishing, texturing, curing, grooving, joints, joint scaling and review of contract specification 02753.
3. Approximate costs of airfield paving workshop are as follows:

HMA (1 Day)	\$4,500 plus travel/per diem for 2 persons
PCC (2 Days)	\$6,000 plus travel/per diem for 2 persons
HMA/PCC (3 Days)	\$9,000 plus travel/per diem for 2 persons

4. Requests for Airfield Paving Workshops should be addressed to:

U.S. Army Corps of Engineers
Transportation Systems Center
ATTN: Terry W. Sherman
215 North 17th Street
Omaha, NE 68102-4978

Phone: 402-221-7260
Fax: 402-221-7261
E-mail: terry.w.sherman@usace.army.mil

**INDEFINITE DELIVERY TYPE CONTRACTS
FOR
CONSTRUCTION MANAGEMENT OF AIRFIELDS AND ROADWAYS**

1. The TSMCX has a Fixed Price Indefinite Delivery Type (IDT) Contract for Construction Management of Airfields and Roadways. The current IDT contract is with URS Greiner, Inc. (now URS). The contract can be utilized by any of the Corps' District Commands or Research Laboratories with a \$0.5 million limit on each task order. The contract can be used for either military or civil works projects.
2. The IDT contract can be used to supplement the Corps' inspection staff, to determine pay factors for pay-for-performance pavement construction, or to provide the government's full on-site management services. The contract was written for maximum flexibility for a Resident Office to determine the extent of services that will be included in a particular delivery order. The contract includes on-site laboratory testing for Quality assurance by Professional Services Industries (PSI). URS Greiner and PSI have 220 separate offices throughout the U.S.
3. Pay-for-performance contracts are used to give contractors incentive to improve construction quality. They provide a method of adjusting the bid price for the acceptance of paving materials that have a less than desirable quality, but still have value to the government and the contractor. This type of contracting requires additional government manpower for quality assurance testing. The IDT contracts can help with this additional manpower requirement. The following are examples of support:
 - a. Profilograph and straightedge smoothness testing.
 - b. Asphalt pavement density testing.
 - c. Grade-conformance survey testing.
 - d. Determining air-voids in asphalt pavement.
 - e. Fabrication, curing and testing of concrete beams.
 - f. Coring PCC pavements for thickness.
 - g. Concrete slump tests.
 - h. Estimating and negotiating change orders.
 - i. Contract administration.
4. The overall management of the contracts will be accomplished by the TSMCX with each Task Order managed by the individual District or Laboratory using the contract. Point of contact provides for each contract and a complete listing of the steps required to utilize the contracts are attached.

**PROCEDURE FOR USING CORPS OF ENGINEERS
FIRM FIXED PRICE INDEFINITE DELIVERY CONTRACTS**

Step 1: Corps of Engineers (COE) Districts and Laboratories can utilize the Transportation System Center's (TSMCX) Indefinite Delivery Contracts. Information on the contracts can be obtained from the following personnel:

Construction Management -- & Construction Management	Dan Boyer/John Gregory (402) 221-7266/7267
Airfield Design/Evaluations --	John Gregory/Dan Boyer (402) 221-7267/7266

Step 2: COE Districts and laboratories shall provide the TSMCX a written request containing the following information:

- a. Project title
- b. Summary of the Scope of Work
- c. Estimate of Design Cost
- d. Estimate of the performance time period
- e. Name of the Contracting Officer for the Task Order
- f. Name, address and phone number of the Project Manager

The address of the TSMCX is listed below:

U.S. Army Corps of Engineers
Transportation System Center
215 North 17th Street
Omaha, NE 68102-4978

Step 3: The TSMCX will assign a Task Order number and send a copy of all applicable contract documents to the requesting office with the appropriate authority to execute a Task Order.

Step 4: The District or Laboratory has the responsibility for the following actions:

- a. Send RFP and Scope of Work to the AE Firm
- b. Provide Applicable Criteria & Instructions to the AE
- c. Negotiate Firm Fixed Price & Task Order Completion Date
- d. Issue (only FIRM FIXED PRICE) Task Order
- e. Provide TSMCX with one (1) copy of the Executed Task Order and any subsequent modifications.
- f. Manage and make payment of all Task Order service

Step 5: The District or Laboratory will provide the TSMCX with any Task Order Modification. The using office will provide an evaluation of the AE's performance and written notification of the Task order final payment date to TSMCX within thirty (30) days after completion of the Task Order.

Attachment 1 to Enclosure 2