

AIRPORT
DEVELOPMENT
GROUP INC.



LWC1125AH

June 8, 2005

Ms. Debbie Van Saun, Airport Manager
Lawrence Municipal Airport
City of Lawrence
Assistant City Manager
6 East 6th
Lawrence, Kansas 66044

Subject: **Lawrence Municipal Airport
AIP Project No. 3-20-0047-13
Construct Parallel Taxiway "D"
Recommendation of Award**

Dear Ms. Van Saun:

On May 16, 2006, bids were opened and read aloud in accordance with the Instruction to Bidders for the above referenced improvements to the Lawrence Municipal Airport. One bid was received (bid tabulations enclosed) from Hamm, Inc.

Hamm's bid for Schedule I was \$962,734.30 and \$682,540.10 for Schedule II for a total bid of \$1,645,274.40, higher than the engineer's estimate by \$199,020.90 or 13.7%. The engineer's estimate was based upon recent bid prices on other projects and the low bid prices received on other bids at this airport. A review of Hamm's bid shows that a large portion of the increase is the cost of the asphalt (\$143,453.50). The price of asphalt is very volatile this year due to the uncertainty of the price difference between bidding and construction. Also, since the fuel and oil costs are up significantly and are very volatile, this affects items with heavy machinery use as well. The mobilization item is unbalanced in that the bid price of \$121,000.00 is 7.4% of the total cost and the specifications limit it to 5%. The tabulated items for the mobilization cost seem justified and are acceptable.

Only one bid was received on Schedule I, but the bidder is an experienced local contractor that has completed several projects on this airport. Public Notice advertisements along with more than 120 personal fax invitations to contractors during bidding resulted in three prime contractors holding bid documents. The other prime contractors that held plans did not bid on the project due to their workload and work preferences. With Hamm's record of low bidding and the quantity of work available, we feel that this bid is representative of the current cost to complete this project based on current market conditions. We have thoroughly reviewed the design and there are a few other options that can be exercised if the full amount of funding is not available from the FAA. Therefore, we recommend award of the project to Hamm to the level of FAA funding, we will discuss alternatives with the FAA. We recommend you waive the comparison to the engineer's estimate because of volatile oil prices and corresponding construction costs this season.

The bid submitted by Hamm, Inc. meets the following proposal requirements:

- Submitted the lowest bid for Schedule I.
- Submitted a Bid Bond for at least 5 percent of the total bid.
- The Disadvantaged Business Enterprise (DBE) goal established for this project was 3.91% which was exceeded at 5.38%
- Submitted an acceptable Statement of Qualifications.

Since the bidder for Schedules I & II met the proposal requirements and seems qualified to construct this project, we recommend award of AIP Project No. 3-20-0047-13, Schedules I & II to Hamm, Inc. The FAA requires a sponsor written recommendation of award which we recommend be sent after discussions with the FAA about the funding availability. Award of the construction contract should be made contingent upon receipt of FAA grant offer.

Please call if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Sirhall', written over a white background.

John Sirhall, EIT
Airport Engineer

Enclosure

Lawrence Municipal Airport
Lawrence, Kansas
AIP Project Number 3-20-0047-13
Date: May 16, 2006

Bid Tabulation

Construct Taxiway "D"

	Engineer's Estimate	Hamm, Inc
Schedule I	\$783,716.60	\$962,734.30
Schedule II	\$662,536.90	\$682,540.10

Lawrence Municipal Airport
 Lawrence, Kansas
 AIP Project Number 3-20-0047-13
 Date: May 16, 2006

Bid Tabulation

Schedule I

Construct South Portion of Parallel Taxiway "D" (2,100 x 35')

Item No.	Description	Estimated Quantity	Unit	Engineer's Estimate		Hamm, Inc.	
				Unit Cost	Estimated Cost	Unit Cost	Estimated Cost
P-100	Mobilization	1	L.S.	\$45,000.00	\$45,000.00	\$121,000.00	\$121,000.00
P-101a	Cold Planning (Variable Depth)	147	S.Y.	\$10.00	\$1,470.00	\$27.00	\$3,969.00
P-101b	Asphalt Removal	7,404	S.Y.	\$5.50	\$40,722.00	\$3.00	\$22,212.00
P-101c	Paint Removal	1,379	S.F.	\$3.50	\$5,526.50	\$1.90	\$3,000.10
P-152a	Embankment	7,300	C.Y.	\$12.00	\$87,600.00	\$10.00	\$73,000.00
P-152e	Waste Embankment	1,250	C.Y.	10.00	\$12,500.00	8.00	\$10,000.00
P-154a	Sub Base Course (10")	10,721	S.Y.	\$12.00	\$128,652.00	\$16.00	\$171,536.00
P-156a	Silt Fence	60	L.F.	\$3.50	\$210.00	\$2.50	\$150.00
P-156b	Haybales	216	L.F.	\$5.00	\$1,080.00	\$6.00	\$1,296.00
P-158a	Fly-Ash Treated Subgrade	10,721	S.Y.	\$2.50	\$26,802.50	\$5.70	\$61,109.70
P-158b	Fly-Ash	490	tons	\$60.00	\$29,400.00	\$40.00	\$19,600.00
P-401a	Bituminous Surface Course (5")	2,016	tons	\$60.00	\$120,960.00	\$70.00	\$141,120.00
P-401b	Bituminous Surface Course (8")	1,108	tons	\$60.00	\$66,480.00	\$70.00	\$77,560.00
P-401d	Bituminous Surface Course (Transition)	297	tons	\$60.00	\$17,820.00	\$70.00	\$20,790.00
P-401e	Bituminous Material	222	tons	\$350.00	\$77,700.00	\$575.00	\$127,650.00
P-603	Tack Oil	1,074	Gal	\$3.50	\$3,759.00	\$5.00	\$5,370.00
P-620a	Taxiway Marking (1st Coat) - Non-Reflectorized	5,075	S.F.	\$0.50	\$2,537.50	\$0.90	\$4,567.50
P-620b	Taxiway Marking (2nd Coat) - Reflectorized	1,712	S.F.	\$1.20	\$2,054.40	\$0.90	\$1,540.80
P-620c	Taxiway Marking (2nd Coat) - Non-Reflectorized	3,363	S.F.	\$0.90	\$3,026.70	\$0.90	\$3,026.70
D-701a	12" RCP	160	L.F.	\$40.00	\$6,400.00	\$35.00	\$5,600.00
D-701b	12" RCP FES	4	Ea.	\$275.00	\$1,100.00	\$400.00	\$1,600.00
D-705a	Side Drains	3,784	L.F.	\$14.00	\$52,976.00	\$12.00	\$45,408.00
D-705b	Side Drain Outlets	4	Ea.	\$400.00	\$1,600.00	\$900.00	\$3,600.00
D-710	Rip Rap	33	S.Y.	\$50.00	\$1,650.00	\$45.00	\$1,485.00
D-751	Install Drop Inlet	1	Ea.	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
L-108a	Cable, 1/C #8, 5kV, L-824C	620	L.F.	\$2.50	\$1,550.00	\$4.00	\$2,480.00
L-108b	Cable, 1/C #6 Bare Copper Counterpoise	220	L.F.	\$2.00	\$440.00	\$2.80	\$616.00
L-110a	1-Way, 2-Inch PVC Duct (DEB)	220	L.F.	\$4.50	\$990.00	\$5.70	\$1,254.00
L-110b	2-Way, 2-Inch PVC Duct (CE)	150	L.F.	\$55.00	\$8,250.00	\$36.25	\$5,437.50
L-110c	Concrete Encase Existing Duct	50	L.F.	\$40.00	\$2,000.00	\$21.00	\$1,050.00
L-126a	Install New L-853 Retroreflective Taxiway Marker	78	Ea.	\$120.00	\$9,360.00	\$62.00	\$4,836.00
L-126b	Relocate L-853 Retroreflective Taxiway Marker	6	Ea.	\$50.00	\$300.00	\$95.00	\$570.00
T-901	Seeding	14	Acre	\$1,200.00	\$16,800.00	\$950.00	\$13,300.00
Total Estimated Cost:				\$	783,716.60		\$962,734.30

Lawrence Municipal Airport
Lawrence, Kansas
AIP Project Number 3-20-0047-13
Date: May 16, 2006

Schedule II

Construct North Portion of Parallel Taxiway "D" (1,800 x 25')

Item No.	Description	Estimated Quantity	Unit	Engineer's Estimate		Hamm, Inc.	
				Unit Cost	Estimated Cost	Unit Cost	Estimated Cost
P-101a	Cold Planning (Variable Depth)	162	S.Y.	\$ 10.00	\$1,620.00	\$ 27.00	\$4,374.00
P-101d	Pipe Removal	72	L.F.	25.00	\$1,800.00	25.00	\$1,800.00
P-152a	Embankment	6,500	C.Y.	12.00	\$78,000.00	10.00	\$65,000.00
P-152b	Geotextile Fabric	8,208	S.Y.	2.50	\$20,520.00	5.00	\$41,040.00
P-152c	Sub Excavation	1,200	C.Y.	10.00	\$12,000.00	8.00	\$9,600.00
P-152d	Select Embankment (24")	8,208	S.Y.	14.00	\$114,912.00	8.00	\$65,664.00
P-152e	Waste Embankment	1,250	C.Y.	10.00	\$12,500.00	8.00	\$10,000.00
P-154a	Sub Base Course (10")	2,937	S.Y.	12.00	\$35,244.00	16.00	\$46,992.00
P-154b	Sub Base Course (6")	4,471	S.Y.	9.00	\$40,239.00	12.00	\$53,652.00
P-156a	Silt Fence	1,330	L.F.	3.50	\$4,655.00	2.50	\$3,325.00
P-156b	Haybales	96	L.F.	5.00	\$480.00	6.00	\$576.00
P-401b	Bituminous Surface Course (8")	1,293	tons	60.00	\$77,580.00	70.00	\$90,510.00
P-401c	Bituminous Surface Course (4")	971	tons	60.00	\$58,260.00	70.00	\$67,970.00
P-401e	Bituminous Material	147	tons	350.00	\$51,450.00	575.00	\$84,525.00
P-603	Tack Oil	787	Gal	2.50	\$1,967.50	5.00	\$3,935.00
P-620a	Taxiway Marking (1st Coat) - Non-Reflectorized	6,551	S.F.	0.50	\$3,275.50	0.90	\$5,895.90
P-620b	Taxiway Marking (2nd Coat) - Reflectorized	2,260	S.F.	1.20	\$2,712.00	0.90	\$2,034.00
P-620c	Taxiway Marking (2nd Coat) - Non-Reflectorized	4,291	S.F.	0.90	\$3,861.90	0.90	\$3,861.90
D-701c	18" RCP	200	L.F.	50.00	\$10,000.00	36.00	\$7,200.00
D-701d	18" RCP FES	4	Ea.	300.00	\$1,200.00	500.00	\$2,000.00
D-705a	Side Drains	3,490	L.F.	14.00	\$48,860.00	12.00	\$41,880.00
D-705b	Side Drain Outlets	10	Ea.	400.00	\$4,000.00	900.00	\$9,000.00
D-710	Rip Rap	44	S.Y.	75.00	\$3,300.00	45.00	\$1,980.00
L-108a	Cable, 1/C #8, 5kV, L-824C	1,700	L.F.	2.50	\$4,250.00	4.00	\$6,800.00
L-108b	Cable, 1/C #6 Bare Copper Counterpoise	960	L.F.	2.00	\$1,920.00	2.80	\$2,688.00
L-110a	1-Way, 2-Inch PVC Duct (DEB)	960	L.F.	4.50	\$4,320.00	5.70	\$5,472.00
L-110b	2-Way, 2-Inch PVC Duct (CE)	160	L.F.	55.00	\$8,800.00	36.25	\$5,800.00
L-110c	Concrete Encase Existing Duct	445	L.F.	40.00	\$17,800.00	21.00	\$9,345.00
L-110d	L-867 Size B Junction Box	9	Ea.	550.00	\$4,950.00	407.00	\$3,663.00
L-125a	Relocate Taxiway Light - Base Mount	8	Ea.	550.00	\$4,400.00	555.60	\$4,444.80
L-125b	Install L-858 Taxiway Guidance Sign (3PIF)	3	Ea.	3,500.00	\$10,500.00	3,335.50	\$10,006.50
L-126a	Install L-853 Retroreflective Taxiway Marker	63	Ea.	120.00	\$7,560.00	62.00	\$3,906.00
T-901	Seeding	8	Acre	1,200.00	\$9,600.00	950.00	\$7,600.00
Total Estimated Cost:				\$	662,536.90		\$682,540.10