

CONTRACT AMENDMENT NO. 1

ANN ARBOR MUNICIPAL AIRPORT

Ann Arbor, Michigan

Project No. B-26-0153-1403,1504

Contract No. FM 52-04-C38

CONTRACT AMMENDMENT No. 1 FOR ALP UPDATE

This amendment to the contract dated January 9, 2007 modifies the contract provisions to provide the following additional provisions:

1. Article 4.3 - Changes in Work

Revise the ALP to provide a 700 foot extension to the runway and shift the existing runway thresholds 180 feet to the South West.

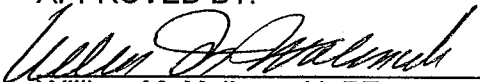
Compensation shall be a firm fixed fee of Eight Thousand and No/100 dollars (\$8,000.00) based on the attached allowable breakdown schedule (Attachment "C").

Attachments:

- Attachment "C" - Personnel Manhour Assignments and Costs (1 page)
- Attachment "E" - Scope of Services (3 pages)

URS CORPORATION - GREAT LAKES

APPROVED BY:



 William M. Malinowski, PE

Associate Vice President

 Title

 11/20/07

 Date

CITY OF ANN ARBOR

Approved as to Substance:

Roger W. Fraser
City Administrator

Approved as to Form:

Stephen K. Postema
City Attorney

City of Ann Arbor
Sponsor

100 N. Fifth Street
Street Address

Ann Arbor, Michigan 48107
City, State & Zip Code

BY:

John Hieftje, Mayor

BY:

Jacqueline Beaudry, Clerk

ATTACHMENT "E" SCOPE OF SERVICES

ANN ARBOR MUNICIPAL AIRPORT

Ann Arbor, Michigan

Project No. B-26-0153-1403-1504

Contract No. FM 52-04-C38

CONTRACT AMMENDMENT No. 1 ALP UPDATE

This project includes developing an ALP for the Ann Arbor Municipal Airport to satisfy the needs of the City.

A review team shall be organized and composed of technically oriented personnel to act in an advisory capacity to the Sponsor. Appropriate representation will include, but will not necessarily be limited to:

Sponsor – City of Ann Arbor
MDOT - Airports Division
Planning Consultant - URS Corporation

The Consultant shall provide monthly progress reports to the review team.

AIRPORT LAYOUT PLAN REPORT

A written report shall be prepared to accompany the submission of the Airport Layout Plan (ALP). This report is to cover the basic considerations, background data, and assumptions that resulted in the layout alignment and the development of the ALP as submitted. The report will be limited to the runway extension and runway shift.

AIRPORT LAYOUT PLAN

The Airport Layout Plan shall consist of approximately fifteen (15) sheets, 24" x 36" in size, containing sufficient data to obtain approvals from the Federal Aviation Administration (FAA) and the Michigan Bureau of Aeronautics (AERO). The AERO ALP checklist, dated 1/20/96, which outlines in general the items required on the basic ALP sheets, shall be part of the Engineering Agreement between the Sponsor and the Consultant. All of the sheets in the ALP will reflect the current AERO standards.

1. **Title Sheet:** This sheet provides basic information on the project site, approval blocks, vicinity map, and schedule of sheets.
2. **Airport Data Sheet:** This sheet provides data tables and wind rose information.
3. **Existing Airport Layout Sheet:** A line drawing showing existing airport facilities, airport boundaries, and runway protection zones. This sheet shall also identify or depict all existing and proposed building elevations and any proposed design standard waivers.
4. **Airport Layout Aerial:** Existing aerial will be used.
5. **Future & Ultimate Airport Layout Sheet:** A line drawing showing future and ultimate airport facilities, future airport boundaries, and runway protection zones. This sheet shall also identify or depict all existing and proposed building elevations and any proposed design standard waivers. The future plan will outline projects envisioned in the next 10 years.

6. **Building Area Detail:** No changes to the existing sheets will be made.
7. **Runway Approach Sheets:** Approach drawing for runway 6/24 shall be drawn based on the most recent and available information including aerial photography, maps, survey, etc. Identify the locations of all objects in plan and profile view that exceeds FAR Part 77 surfaces for existing and future cases. There will be two (2) approach sheets for each runway. Runway 12/30 will not be changed

Plan and profile views shall be detailed line drawings. The data needed for these sheets will be a result of a field survey to determine all obstructions to FAR Part 77 surfaces that will be numbered in plan and profile views.

Obstructions shall be tabulated with the data describing the obstruction type, top elevation, allowable elevation, amount of penetration, and proposed disposition. Elevations of roads, railroads, power poles, trees, buildings, etc., in the approaches shall be shown. Any required road relocation shall be noted and shown. Part 77 surfaces for existing, future and ultimate approaches must be shown.

8. **FAR Part 77 Surfaces:** Depict FAR Part 77 surfaces superimposed on a USGS quadrangle map. This shall be a new sheet and shall depict objects that violate FAR Part 77 surfaces and that are not identified on the ALP or approach sheets. List top elevation of each obstruction. Chart the dimensions of the approach surfaces. Existing known tower locations will be provided by the MDOT-Aviation Division.

DOCUMENTATION

Reimbursement for printing preliminary, interim and final copies of the Airport Layout Plan documents shall include the following:

Draft ALP Set (Prints) -	5 sets	Draft ALP Report -	5 copies
Final Draft ALP Set (Prints) -	5 sets	Final Draft ALP Report -	5 copies
Final ALP Set (Prints) -	5 sets	Final ALP Report -	5 copies
Final ALP Set CD -	1 set		

CAD will be used to prepare the ALP set, AERO and the Sponsor shall be provided with one (1) copy of the ALP drawings in AutoCAD files on Compact Disk in IBM-PC compatible file format.

Two (2) reviews of the ALP drawings and report are provided for in this project. Any additional comment periods or reviews requested by the Sponsor or BOA of the project work for the Consultant to participate in shall be conducted as an extra service charge to the project and executed under Article 3.3 - Extra Services and/or Article 4.5 - Changes in Work of the contract articles.

FIVE-YEAR DEVELOPMENT PLAN

Prepare cost estimates, sketches and proposed development schedules for presentation to MDOT – Airports Division.

OBSTRUCTION SURVEYS

Provide a complete obstruction survey for use in preparing the ALP approach sheets and Part 77 surface.

OTHER SERVICES

The Consultant will accomplish other services normally required in the development and/or preparation of an Airport Layout Plan as listed in the latest FAA Advisory Circular 150/5070-6A, including meetings with federal, state, city, and local aviation, engineering, and planning officials and personnel. Each runway end will have GPS coordinates developed.

ATTACHMENT "C"
PERSONNEL-MAN HOUR ASSIGNMENTS AND COSTS
 ALP UPDATE FOR ANN ARBOR MUNICIPAL AIRPORT

TASK	PROJECT MANAGER	PLANNER	ENGINEER	TECHNICIAN	DRAFTER	CLERICAL	SURVEYOR	TOTAL	EXPENSES	AMOUNT PERSONNEL	TOTAL AMOUNT BY TASK
TASK I SCOPING MEETING	1							1	ITEM 1 \$0.00	\$62.00	\$172.05
TASK II ALP UPDATE	8	40			16	2	8	66	ITEM 2 \$608.87	\$2,018.00	\$6,208.82
TASK III SURVEY			8				8	16	ITEM 3 \$239.25	\$368.00	\$1,260.45
TASK IV 5 YEAR DEVELOPMENT PLAN			2			1		3	ITEM 4 \$25.00	\$77.00	\$238.68
TASK V OTHER SERVICES							0	0	ITEM 5 \$0.00	\$0.00	\$0.00
TASK VI DOCUMENTATION							0	0	ITEM 6 \$120.00	\$0.00	\$120.00
TASK VII MEETINGS							0	0	ITEM 7 \$0.00	\$0.00	\$0.00
TASK VIII							0	0	ITEM 8 \$0.00	\$0.00	\$0.00
TASK IX							0	0	ITEM 9 \$0.00	\$0.00	\$0.00
TASK X							0	0	ITEM 10 \$0.00	\$0.00	\$0.00
TOTALS -	9	40	2	8	16	3	8	86	\$993.12	\$2,525.00	\$8,000.00
HOURLY RATES	\$62.00	\$30.00	\$30.00	\$20.00	\$18.00	\$17.00	\$26.00				
AMOUNT PERSONNEL	\$558.00	\$1,200.00	\$60.00	\$160.00	\$288.00	\$51.00	\$208.00	\$2,525.00			
OVERHEAD(PERSONNEL X 150%)	\$837.00	\$1,800.00	\$90.00	\$240.00	\$432.00	\$76.50	\$312.00	\$3,787.50			
PROFIT 11%	\$153.45	\$330.00	\$16.50	\$44.00	\$79.20	\$14.03	\$57.20	\$694.38			
TOTAL(PERSONNEL X 2.7750)	\$1,548.45	\$3,330.00	\$166.50	\$444.00	\$799.20	\$141.53	\$577.20	\$7,006.88	\$8,000.00	AVERAGE RATE	\$91.48

OUT OF POCKET EXPENSES

	ITEM 1	ITEM 2	ITEM 3	ITEM 4	ITEM 5	ITEM 6	ITEM 7	ITEM 8	ITEM 9	ITEM 10
TRAVEL										
PRIVATE VEHICLE (MILES)										
MILES x\$.485			250							
PER DIAM			\$121.25							
NO. OF PEOPLE			0.2							
MATERIALS AND SUPPLIES	\$0.00	\$0.00	\$18.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OTHER		\$350.00	\$100.00	\$25.00						
AERIAL MAPPING		\$258.87				\$120.00				
TOTAL	\$0.00	\$608.87	\$239.25	\$25.00	\$0.00	\$120.00	\$0.00	\$0.00	\$0.00	\$993.12