AIRFIELD LIGHTING SYSTEM UPGRADE PROJECT - PHASE 2

at

SAN ANTONIO INTERNATIONAL AIRPORT
PROJECT NO. 33-00148

PROJECT MANUAL

Prepared for

CITY OF SAN ANTONIO
AVIATION DEPARTMENT
457 Sandau Road
San Antonio, Texas 78216

Prepared by

PRIME A-E

JOSHUA ENGINEERING GROUP, INC.
6800 Park Ten Boulevard, Suite 240-E
San Antonio, Texas 78213
(210) 340-2322

STATE OF TEXAS
JESSE E. GONZALEZ
56124
REGISTERED
PROFESSIONAL ENGINEER
16 NOV 2011

CONSULTANT

AVIATION ALLIANCE, INC.
Consulting Engineers
101 Timberline North
Colleyville, Texas 76034
(817) 498-0388

STATE OF TEXAS
STEVE M. EVANS
62278
REGISTERED
PROFESSIONAL ENGINEER
11/16/11

November 16, 2011

PROJECT MANUAL

TABLE OF CONTENTS

SECTION NUMBER	SECTION TITLE	PAGES
DIVISION A: CITY BID DOCUMENTS		
010	FORMAL INVITATION FOR BIDS (IFB) AND CONTRACT SIGNATURE PAGE	1 PAGE
020	BID FORM	1 PAGE
030	CONTRACTOR'S QUESTIONNAIRE	4 PAGES
040	STANDARD INSTRUCTIONS TO RESPONDENTS	8 PAGES
060	SUPPLEMENTAL CONDITIONS	1 PAGE
	PERFORMANCE BOND	1 PAGE
	PAYMENT BOND	1 PAGE
	DBE GOOD FAITH EFFORT PLAN (DBE FORM 1)	4 PAGES
	FAA BUY AMERICAN CERTIFICATION FORM	1 PAGE
085	GENERAL CONDITIONS FOR CITY OF SAN ANTONIO, HEAVY/HIGHWAY CONSTRUCTION CONTRACTS	64 PAGES
	WAGE DECISION NUMBERS	
	1. TYPE: HEAVY AND HIGHWAY COUNTY: BEXAR COUNTY IN TEXAS TX100017 09/16/2011 TX17	8 PAGES
	MISCELLANEOUS	
	1) EMPLOYEE RIGHTS (ENGLISH/SPANISH)	
	2) CITY OF SAN ANTONIO PUBLIC HOLIDAYS	
	CITY ORDINANCE 2008-11-20-1045	14 PAGES
110	AVIATION SUPPLEMENTAL CONDITIONS (DIVISION B, DIVISION C, DIVISION D AND DIVISION E ARE INCLUDED FOR AVIATION SUPPLEMENTAL CONDITIONS)	
DIVISION B: ADDITIONAL REQUIREMENTS FROM THE AVIATION DEPARTMENT		
	1. INSURANCE REQUIREMENTS	6 PAGES
	2. SUPPLEMENT TO STANDARD INSTRUCTIONS TO RESPONDENTS	SUIB-1 – SUIB-2
	3. STANDARD INSTRUCTIONS TO BIDDERS FOR FEDERALLY ASSISTED CONTRACTS (SIB-AVIATION)	SIB-1 – SIB-10
	4. ADDITIONAL SUPPLEMENTAL GENERAL CONDITIONS REQUIRED FOR AVIATION DEPARTMENT PROJECTS	SGC-1 – SGC-2
	5. SPECIAL CONDITIONS FOR CONSTRUCTION WITHIN THE AIR OPERATIONS AREA AT SAN ANTONIO INTERNATIONAL AIRPORT	SC -1 – SC -4
	6. PROCEDURES FOR OBTAINING AIRPORT IDENTIFICATION BADGES AND AIRFIELD DRIVER LICENSES (ATTACHMENT A)	4 PAGES
	7. EXHIBIT I TO ATTACHMENT	1 PAGE
	8. AIRFIELD DRIVER'S TRAINING PROGRAM FEES	2 PAGES
	9. CRANE AND/OR TEMPORARY CONSTRUCTION EQUIPMENT PROCEDURES IN AND AROUND AIRPORTS	1 PAGE
	10. DEFINITION OF CRANE HEIGHT	1 PAGE
	11. FAA UNDERGROUND CABLE NOTES	1 PAGE
	12. SAFETY NOTES	1 PAGE

SECTION NUMBER	SECTION TITLE	PAGES

DIVISION C: ADDITIONAL REQUIREMENTS FROM THE FAA

1. FAA MANDATORY CONSTRUCTION CONTRACT PROVISIONS
   1) BUY AMERICAN PREFERENCE – TITLE 49 U.S.C., CHAPTER 501 ..... 1 PAGE
   2) BUY AMERICAN CERTIFICATION – TITLE 49 U.S.C SECTION 50101 ..... 1 PAGE
   3) CIVIL RIGHTS ACT OF 1964, TITLE VI – CONTRACTOR CONTRACTUAL REQUIREMENTS – 49 CFR PART 21 ..... 1 PAGE
   4) AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, SECTION 520 – GENERAL CIVIL RIGHTS PROVISIONS – TITLE 49 U.S.C. 47123 ..... 1 PAGE
   5) LOBBYING AND INFLUENCING FEDERAL EMPLOYEES – 49 CFR PART 20, APPENDIX A ..... 1 PAGE
   6) ACCESS TO RECORDS AND REPORTS – 49 CFR PART 18.36(i) ..... 1 PAGE
   7) DISADVANTAGED BUSINESS ENTERPRISE – 49 CFR PART 26 ..... 1 PAGE
   8) ENERGY CONSERVATION REQUIREMENTS – 49 CFR PART 18.36 ..... 1 PAGE
   9) BREACH OF CONTRACT TERMS – 49 CFR PART 18.36 ..... 1 PAGE
   10) RIGHTS TO INVENTIONS – 49 CFR PART 18.36 (i)(8) ..... 1 PAGE
   11) TRADE RESTRICTION CLAUSE – 49 CFR PART 30.13 ..... 1 PAGE
   12) VETERAN'S PREFERENCE – TITLE 49 U.S.C. 47112(c) ..... 1 PAGE
   13) DAVIS BACON REQUIREMENTS – 29 CFR PART 5.5 ..... 5 PAGES
   14) EQUAL EMPLOYMENT OPPORTUNITY - 41 CFR PART 60-1.4(b) ..... 1 PAGE
   15) CERTIFICATION OF NONSEGREGATED FACILITIES - 41 CFR PART 60-1.8 ..... 1 PAGE
   16) NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION - 41 CFR PART 60-2 ..... 1 PAGE
   17) STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS - 41 CFR PART 60.4.3 ..... 4 PAGES
   18) TERMINATION OF CONTRACT – 49 CFR PART 18.36(i)(2) ..... 1 PAGE
   19) CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY, AND VOLUNTARY EXCLUSION – 49 CFR PART 29 ..... 1 PAGE
   20) CONTRACT WORKHOURS AND SAFETY STANDARDS ACT REQUIREMENTS - 29 CFR PART 5 ..... 1 PAGE
   21) CLEAN AIR AND WATER POLLUTION CONTROL – 49 CFR PART 18.36 (i) (12) ..... 1 PAGE

DIVISION D: TECHNICAL SPECIFICATIONS

PART I – GENERAL PROVISIONS

	PART 1 - MODIFICATION	GP-M-1 – GP-M-4
SECTION 10	DEFINITION OF TERMS	GP-1 – GP-4
SECTION 20	PROPOSAL REQUIREMENTS AND CONDITIONS	GP-5 – GP-8
SECTION 30	AWARD AND EXECUTION OF CONTRACT	GP-9 – GP-10
SECTION 40	SCOPE OF WORK	GP-11 – GP-14
SECTION 50	CONTROL OF WORK	GP-15 – GP-22
SECTION 60	CONTROL OF MATERIALS	GP-23 – GP-26
SECTION 70	LEGAL REGULATIONS AND RESPONSIBILITY TO PUBLIC	GP-27 – GP-34
SECTION 80	PROSECUTION AND PROGRESS	GP-35 – GP-42
SECTION 90	MEASUREMENT AND PAYMENT	GP-43 – GP-48
SECTION 100	CONTRACTOR QUALITY CONTROL PROGRAM	GP-49 – GP-54

SECTION NUMBER	SECTION TITLE	PAGES
SECTION 110	METHOD OF ESTIMATE PERCENTAGE OF MATERIAL WITHIN SPECIFICATION LIMITS (PWL)	GP-55 – GP-60
SECTION 120	NUCLEAR GAGES	GP-61 – GP-62

PART II – EARTHWORK (not used)

PART III – FLEXIBLE BASE COURSE (not used)

PART IV – RIGID BASE COURSES (not used)

PART V – FLEXIBLE SURFACE COURSES (not used)

PART VI – RIGID PAVEMENT (not used)

PART VII – MISCELLANEOUS (not used)

PART VIII – FENCING (not used)

PART IX – DRAINAGE (not used)

PART X – TURFING (not used)

PART XI – LIGHTING INSTALLATION (not used)

DIVISION E: ADDITIONAL TECHNICAL SPECIFICATIONS

CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT SPECIFICATIONS:

ITEM 100	MOBILIZATION (INCLUDING INSURANCE AND BOND FOR GENERAL CONDITION) MODIFICATION	100-M-1
ITEM 100	MOBILIZATION (INCLUDING INSURANCE AND BOND FOR GENERAL CONDITION)	1 PAGE
ITEM 530	BARRICADES, SIGNS, AND TRAFFIC HANDLING MODIFICATION	530-M-1
ITEM 530	BARRICADES, SIGNS, AND TRAFFIC HANDLING	2 PAGES
ITEM 700	PROJECT SCHEDULES	7 PAGES

ALCMS SPECIFICATIONS

16740	VOICE AND DATA COMMUNICATION CABLING	16740-1 – 16740-11
16890	AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM	16890-1 – 16890-53

~ END OF TABLE OF CONTENTS ~