

The City of Hanford
CALIFORNIA



City Council Meeting
Agenda

August 29, 2017
5:30 PM – Special Meeting
Council Chambers
400 N. Douty St.

CALL TO ORDER SPECIAL SESSION:

ROLL CALL BY THE CITY CLERK:

FLAG SALUTE:

PUBLIC COMMENT:

*Comments from the public are limited to items listed on the agenda (GC 54954.3a). A maximum of **three minutes** is allowed for each speaker. Please begin your comments by stating your name and providing your city of residence.*

CONSENT CALENDAR:

Consent Calendar items are considered routine and will be enacted in one motion. There will be no separate discussion of these matters unless a request is made and then the item will be removed from the Consent Calendar to be discussed and voted upon by a separate motion.

- A. Utilities & Engineering: Notice of Completion of the FY 16/17 Water Distribution Main Extension Project.
- B. Utilities and Engineering: Award a contract to Nick Champi Enterprises of Hanford, CA in the amount of 198,927.00 for the Rotary Field Lighting Project and establish a construction contingency of \$19,800.00 for this project.

GENERAL BUSINESS:

- A. Utilities and Engineering: Hanford Police Department & Longfield Center Reroofing Project Scope of Work Change Orders in the amount \$39,544.00

- B. Utilities and Engineering: Approve an additional appropriation of \$10,255.00 from the Storm Drainage Capital Fund, award a contract to Haydon Construction, Inc., of Fresno, CA in the amount of \$29,355.00 for the YAC Storm Drain Outfall Structure Project, and establish a construction contingency of \$2,900.00 for this project.
- C. Public Works: Adopt Resolution 17-45-R approving the acceptance of a grant from the Federal Aviation Administration (FAA) for \$900,905.00.00 for the Airport Taxilane Pavement Rehabilitation Project (Phase 4).
- D. Public Works: Approve Contract Work Order No. 5 with the firm of Mead and Hunt of Windsor, Ca., for design, construction management and inspection services, for the Airport Taxilane Rehabilitation Project (Phase 4) for a cost not to exceed \$236,249.00.
- E. Utilities and Engineering: Approve an additional appropriation of \$15,101.00 from the Airport Fund, award a contract for the Airport Taxilane Rehabilitation Phase 4 Project to R.J. Berry Jr., Inc., of Selma, California for \$733,340.00, and establish a construction contingency of \$31,417.00.

ADJOURNMENT:

Materials related to an item on this Agenda submitted to the City Council after distribution of the agenda packet are available to public inspection in the City Clerk's Office located at 319 N. Douty Street, Hanford, California 93230, during normal business hours. Such agendas are also available at the city's website, www.cityofhanfordca.com subject to staff's ability to post the agenda before the meeting.

If you need a disability-related modification or accommodation, including auxiliary aids or services, to participate in this meeting, please contact the City Clerk's office, 559-585-2515, 319 N. Douty Street, Hanford, California 93230, at least 2 days prior to the meeting {28 CFR 35.102.35.104 ADA Title II}



AGENDA STAFF REPORT

MEETING DATE: 8/29/2017	AGENDA SECTION: A
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SUBJECT:

Utilities & Engineering: Notice of Completion of the FY 16/17 Water Distribution Main Extension Project.

RECOMMENDATION:

That the City Council, by motion, approve a Notice of Completion and authorize the Mayor to execute and the City Clerk to attest and file said Notice with the Kings County Recorder's Office.

BACKGROUND:

On March 21, 2017, the City Council awarded the FY 16/17 Water Distribution Main Extension Project to Haydon Construction, of Fresno, CA. The project consisted of extending and connecting the water main on Flint Avenue between Peoples Ditch and 11th Avenue, and replacing the remaining existing 8" water main segments with a 12" water main on Hanford-Armona Road between 10th Avenue and 9th Avenue in the City of Hanford.

There were four change orders to the FY 16/17 Water Distribution Main Extension Project.

FISCAL IMPACT:

The FY 15-16 Water Capital/Impact Budget provided \$770,000 for construction, including contingency, for this project.

The total construction cost to complete the project was \$603,547.43. Attached is the Final Project Construction and Finance History for Council review.

ATTACHMENTS:

Budget Sheet

NOC - FY 16-17 Water Distribution Extension Recording Original

Financial History

Water Distribution Main Extension Program

Project Background:

This project includes replacing undersized distribution mains or extending distribution mains in various locations throughout the City to enhance system performance.

Existing Conditions:

Project Justification:

Projects will include replacing undersized distribution mains and extending distribution mains within in-fill and growth areas to enhance system performance and to facilitate orderly growth of the City.

Fiscal Implications:

Funding for the Water Distribution Main Extension Program will be allocated from water capital and water impact fee reserves.

Project Budget Summary:

		6-Year Funding Allocation					
		2015	2016	2017	2018	2019	2020
Expenditure	Program or Project	Construction		Construction	Construction	Construction	Construction
	Engineering / Inspection	60,000		39,000	39,000	39,000	39,000
	Construction	700,000		410,000	410,000	410,000	410,000
	Contingency	70,000		41,000	41,000	41,000	41,000
	Department Overhead	20,000		10,000	10,000	10,000	10,000
Total Expenditure		\$850,000	\$0	\$500,000	\$500,000	\$500,000	\$500,000
Revenue	Funding						
	391 Water Capital	200,000		100,000	100,000	100,000	100,000
	185 Water Impact Fees	650,000		400,000	400,000	400,000	400,000
Total Funding		\$850,000	\$0	\$500,000	\$500,000	\$500,000	\$500,000

RECORDING REQUESTED BY:
CITY OF HANFORD

When recorded return to:

City Clerk
City of Hanford
315 North Douty Street
Hanford, California 93230-3951

G.C. 27361.3 - Fee NIL

NOTICE OF COMPLETION

TO WHOM IT MAY CONCERN:

YOU ARE HEREBY NOTIFIED AS FOLLOWS:

1. The work of Improvement is located at: Hanford Armona Road from 10th Avenue to Foggy Bottom Road; and on Flint Avenue from 11th Avenue to Peoples Ditch, in the City of Hanford
2. The Improvement is particularly described as: FY 16/17 Water Distribution Main Extension Project.
3. The date of completion of the work of Improvement: June 28, 2017.
4. The Owner of the work of Improvement: City of Hanford.
5. The nature of the owner's interest or estate: Fee Simple Title.
6. The name of the original contractor for the work of Improvement: Haydon Construction, Inc.
7. The surety for the work of Improvement: United Fire & Casualty Company
8. All work for this project has been completed.
9. Accepted by minute action of the City Council of the City of Hanford on: September 5, 2017.

I certify under penalty of perjury that the foregoing is true and correct.
Dated this 5th day of September, 2017

BY: _____
David G. Ayers, Mayor
City of Hanford, County of Kings, State of California

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Attachment: NOC - FY 16-17 Water Distribution Extension Recording Original (UE: Notice of Completion of the FY 16/17 Water Distribution Main

I, the undersigned, say:

I am the person who signed the foregoing notice. I have read the above notice and know its contents, and the facts stated therein are true of my own knowledge.

I declare under penalty of perjury that the foregoing is true and correct.

Executed at Hanford, California, this _____ day of _____, 2017.

BY: _____
David G. Ayers, Mayor
City of Hanford, County of Kings, State of California

Authority: Section 1181 Civil Code

FINAL PROJECT CONSTRUCTION AND FINANCE HISTORY

PROJECT: FY 16/17 Water Distribution Main Extension Project

CONTRACTOR: Haydon Construction, Inc.
2350 N. Chestnut, #103
Fresno, CA 93703

CONTRACT DATES:	Bid Date	March 14, 2017
	Council Award	March 21, 2017
	Contractor Started Work	May 15, 2017
	Contract Extended Time of Completion	June 28, 2017
	Contractor Completed Work	June 28, 2017

CONTRACT CHANGE ORDERS:

Change Order #1 - Install 8" Water Valve with Nuts, Bolts, and Non-Asbestos Gasket. And, substitute 20" OD x 0.375" wall bare steel casing' for '20" OD x 0.312" wall with tar coating.
For a net Decrease of -\$853.12.

Change Order #2 - Install 12" MJ x MJ Gate Valve with MJ Sleeve, PVC Wedge Restraint Gland and MJ Bolt Gasket Pack. And, replace 18 feet of 12" Ductile Iron Pipe.
For a Net Increase of \$3,980.38.

Change Order #3 - Conflict with 30" irrigation pipe. Install 45 bends and Slurry between pipes. And, hand dig unknown utilities at 11th at Flint.
For a net increase of \$6,120.49.

Change Order #4 – Replace unmarked 18" Irrigation pipe that was broken during ditch bore operations.
For a net increase of \$4,014.68.

FINANCIAL HISTORY:

<u>SOURCE OF BUDGET FUNDING</u>	AMOUNT
FY 15-16 Water Capital/Impact Budget	\$ 770,000.00
Contract – Total Bid Award	\$ 590,285.00
Change Orders	\$ 13,262.43
Total Project Construction Cost	<u>\$ 603,547.43</u>
Fund Balance	\$ 166,452.57



AGENDA STAFF REPORT

MEETING DATE: 8/29/2017	AGENDA SECTION: B
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SUBJECT:

Utilities and Engineering: Award a contract to Nick Champi Enterprises of Hanford, CA in the amount of \$198,927.00 for the Rotary Field Lighting Project and establish a construction contingency of \$19,800.00 for this project.

RECOMMENDATION:

That the City Council, by motion:

1. Award a contract to Nick Champi Enterprises of Hanford, CA in the amount of \$198,927.00 for the Rotary Field Lighting Project.
2. Establish a construction contingency of \$19,800.00 for this project.

BACKGROUND:

The Rotary Field is landscaped with turf, three backstops, three 80 yard football fields and soccer goals for practice field play. Adding lighting to the Rotary Field will allow increased usage of the facility by the Hanford Youth Baseball, Hanford Youth Football and the Parks and Recreation Department. Improvements will consist of the installation of sport lighting within the Rotary Field.

In accordance with Council Action, bids were solicited and opened on August 22, 2017 for the Rotary Field Lighting Project. A total of two (2) bids were received, ranging from a low base bid of \$198,927.00 from Nick Champi Enterprises, to a high base bid of \$309,560.00. A copy of the Bid Tabulation is attached for Council review.

The contract stipulates that the Project be completed within forty-five (45) calendar days from the date of the Notice to Proceed. For each day of delay beyond the approved time, the Contractor shall be assessed \$1,000 per day liquidated damages. If approved, work on this project is expected to begin in late September.

FISCAL IMPACT:

The FY 16/17 Capital Improvement Program Budget provides \$572,000 for construction, including contingencies, for this project. Staff has purchased the plans and materials required for the project, previously approved by the Council, for a total of \$320,596.28, leaving a balance of \$251,403.72 which is sufficient to fund construction of this project. A copy of the budget page is attached for Council review.

ATTACHMENTS:

Bid Tabulation (Rotary Lighting)

BUDGET FY17-FY18

Rotary Field Lighting Project
180-2180-817616

859416

788798

Nick Champi Enterprises, Inc. JT2 Inc. DBA Todd Companies

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>Unit Cost</u>	<u>Subtotal</u>	<u>Unit Cost</u>	<u>Subtotal</u>
1 Installation of Field Lighting	1	LS	198,927.00	\$198,927.00	\$309,560.00	\$309,560.00
				\$198,927.00		\$309,560.00

Total written in Bid if discrepancy exists

817616

Rotary Field Lighting Project

Project Background:

This project includes the installation of sports lighting within the Rotary Field and moving the chain link fence separating the Bob Hill Sports Complex to the south end of the Rotary Field along North Drive. The lighting improvement will expand the use of the facility for youth and Parks and Recreation sports.

Existing Conditions:

The Rotary Field is landscaped with turf, three backstops, three 80 yard football fields and soccer goals for practice field play.

Project Justification:

Adding lighting to the Rotary Field will allow increased usage of the facility by the Hanford Youth Baseball, Hanford Youth Football and the Parks and Recreation Department.

Fiscal Implications:

Funding for this project will be allocated from park impact fee reserves.

Project Budget Summary:

		6-Year Funding Allocation					
		2017	2018	2019	2020	2021	2022
Expenditure	Program or Project	Construction					
	Engineering / Inspection	22,000					
	Construction	520,000					
	Contingency	52,000					
	Department Overhead	6,000					
Total Expenditure		\$600,000	\$0	\$0	\$0	\$0	\$0
Revenue	Funding						
	180 Park Impact Fees	600,000					
	Total Funding	\$600,000	\$0	\$0	\$0	\$0	\$0

Attachment: BUDGET FY17-FY18 (UE: Award a Contract for Rotary Field Lighting Project)



AGENDA STAFF REPORT

MEETING DATE: 8/29/2017	AGENDA SECTION: A
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SUBJECT:

Utilities and Engineering: Hanford Police Department & Longfield Center Reroofing Project
Scope of Work Change Orders in the amount \$39,544.00

RECOMMENDATION:

That the City Council, by motion:

- 1) Approve the Scope of Work Change Orders, in the amount of \$39,544.00, by including the installation of a 2" roof insulation layer and the replacement of rotted wood on the Longfield Center roof, per attached Change Orders 1 and 2.

BACKGROUND:

The Longfield Recreation Center and Police Department Reroofing Project started on August 14, 2017 and is scheduled to be complete within 60 calendar days. Work began on the Longfield Center first where upon demolition of the existing roof, electrical conduit and junction boxes for lighting, cooler units, and fans were present within a 2" foam insulation layer, previously not scheduled to be replaced. Based on estimates staff received for the work, it would not be cost effective to relocate the electrical components. It is then recommendation by Staff to replace the 2" insulation layer and leave the electrical components where they are.

Additionally, upon demolition of the existing roof excessive wood rot on plywood and bracing boards was discovered. This rot is believed to be caused by poor water drainage on the roof, which is being repaired with this project. The rot completely undermined the structural integrity of the plywood boards and the wooden bracing boards beneath them. As a matter of safety, it is recommended by Staff to replace all locations where significant rotted wood is present. Additionally, these members are required to be replaced for the new roofing system to receive a warranty life of 30 years.

FISCAL IMPACT:

The FY 16/17 Capital Improvement Program Budget provides \$515,350.00 for construction including contingencies, for re-roofing both the Longfield Recreation Center and Police Department buildings. This amount was approved by council at the July 5, 2017 meeting and is shown on the attached budget pages. The total awarded contract price for labor and minor materials was \$284,203.00, including contingencies. The purchase price for the new roofing system materials, purchased by City directly from manufacturer, was \$211,637.40. Total price for all materials and labor is therefore \$495,840.40. A remaining balance of \$19,509.60 is present in the project fund. This is enough to fund the requested Scope of Work Change Orders without affecting any other currently funded projects.

ATTACHMENTS:

Change Order 1

Change Order 2

Budget Pages Amended

Department of Public Works

900 South 10th Ave. • HANFORD, CA 93230-5234 • (559) 585-2550

CONTRACT CHANGE ORDER NO. 1 REV. NO. SUPPL. NO.

PROJECT Hanford Police Dept. & Longfield Ctr. Reroof Project

SHEET 1 OF 1 SHEETS

TO CONTRACTOR: Fresno Roofing Co., Inc.

CONTRACT NO. _____

YOU ARE HEREBY DIRECTED TO MAKE THE HEREIN DESCRIBED CHANGES FROM THE PLANS AND SPECIFICATIONS OR DO THE FOLLOWING DESCRIBED WORK NOT INCLUDED IN THE PLANS AND SPECIFICATIONS ON THIS CONTRACT.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE CITY.

Contract Amount: \$258,353.00

DESCRIPTION OF WORK TO BE DONE, ESTIMATE OF QUANTITIES AND PRICES TO BE PAID. SEGREGATE BETWEEN ADDITIONAL WORK AT CONTRACT PRICE, AGREED PRICE AND FORCE ACCOUNT. UNLESS OTHERWISE STATED, RATES FOR RENTAL OF EQUIPMENT COVER ONLY SUCH TIME AS EQUIPMENT IS ACTUALLY USED AND NO ALLOWANCE WILL BE MADE FOR IDLE TIME.

CHANGE REQUESTED BY: City of Hanford

THE LAST PERCENTAGE SHOWN IS THE NET ACCUMULATED INCREASE OR DECREASE FROM THE ORIGINAL QUANTITY IN THE ENGINEER'S ESTIMATE.

1. Install (1) layer of 2.0" Polyiso Insulation w/ 4" screws. The additional layer of insulation to be used due to conduit pipes and junction boxes laying on the roof surface above T&G decking.

Materials: 2.0" Polyiso insulation board-336 ea. @ \$27.00=.....\$ 9072.00

4" #12 screws-7 boxes ea. @ \$80.00=	\$ 560.00
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Tax.....	\$ 795.00
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Total materials.....	\$10,427.00
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Labor: 4 men @ 40 hr's ea @\$56.68=160 hr's. @ \$56.68.....\$ 9069.00 (total labor & burden)

Overhead & profit-15%.....	\$ 2924.00
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Sub total.....	\$22,420.00
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Bond.....	\$ 420.00
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Freight.....	\$ 600.00
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Travel.....	\$	840.00
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Total change order cost.....	\$24,280.00
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ESTIMATED COST THIS CHANGE, INCREASE \$ 24,280.00

ESTIMATED COST THIS CHANGE, INCREASE \$
CONTRACT TOTAL, INCLUDING THIS CHANGE \$ 282,633.00

BY REASON OF THIS ORDER THE TIME OF COMPLETION WILL BE AS FOLLOWS: XXXX

An additional 4 days

APPROVAL RECOMMENDED, ENGINEER _____ DATE _____

APPROVED, CITY OF HANFORD _____ DATE _____

WE, THE UNDERSIGNED CONTRACTOR, HAVE GIVEN CAREFUL CONSIDERATION TO THE CHANGE PROPOSED AND HEREBY AGREE IF THIS PROPOSAL IS APPROVED, THAT WE WILL PROVIDE ALL EQUIPMENT, FURNISH ALL MATERIALS, EXCEPT AS MAY OTHERWISE BE NOTED ABOVE, AND PERFORM ALL SERVICES NECESSARY FOR THE WORK ABOVE SPECIFIED, AND WILL ACCEPT AS FULL PAYMENT THEREFOR THE PRICES SHOWN ABOVE

ACCEPTED, DATE 8.14.17 CONTRACTOR Fresno Roofing Co., Inc.

BY Ed Duarte *Edward Duarte* TITLE Estimator

IF THE CONTRACTOR DOES NOT SIGN ACCEPTANCE OF THIS ORDER, HIS ATTENTION IS DIRECTED TO THE REQUIREMENTS OF THE SPECIFICATIONS AS TO PROCEEDING WITH THE ORDERED WORK AND FILING A WRITTEN PROTEST WITHIN THE TIME THEREIN SPECIFIED.

Department of Public Works

900 South 10th Ave. • HANFORD, CA 93230-5234 • (559) 585-2550

PROJECT Hanford Police Department and
Longfield Center Re-Roof Project

SHEET 1 OF 1 SHEETS

TO CONTRACTOR: Fresno Roofing Company, Inc. CONTRACT NO.

NOTE: THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE CITY.

Contract Amount: \$282,633.00

DESCRIPTION OF WORK TO BE DONE, ESTIMATE OF QUANTITIES AND PRICES TO BE PAID. SEGREGATE BETWEEN ADDITIONAL WORK AT CONTRACT PRICE, AGREED PRICE AND FORCE ACCOUNT. UNLESS OTHERWISE STATED, RATES FOR RENTAL OF EQUIPMENT COVER ONLY SUCH TIME AS EQUIPMENT IS ACTUALLY USED AND NO ALLOWANCE WILL BE MADE FOR IDLE TIME.

CHANGE REQUESTED BY: City of Hanford

THE LAST PERCENTAGE SHOWN IS THE NET ACCUMULATED INCREASE OR DECREASE FROM THE ORIGINAL QUANTITY IN THE ENGINEER'S ESTIMATE.

816'x2"x6"	- Wood board replacement cost @ \$9.00 l.f.	=	\$7,344.00
192'x2"x4"	- Bracing board replacement cost @ \$8.50 l.f.	=	\$1,632.00
34 plywood @ 32 s.f. per plywood	@ \$5.78 s.f.	=	\$6,288.00

ESTIMATED COST THIS CHANGE, INCREASE \$ 15,264.00
CONTRACT TOTAL, INCLUDING THIS CHANGE \$ 297,897.00

BY REASON OF THIS ORDER THE TIME OF COMPLETION WILL BE AS FOLLOWS:

APPROVAL RECOMMENDED, ENGINEER _____ DATE _____

APPROVED, CITY OF HANFORD _____ DATE _____

WE, THE UNDERSIGNED CONTRACTOR, HAVE GIVEN CAREFUL CONSIDERATION TO THE CHANGE PROPOSED AND HEREBY AGREE IF THIS PROPOSAL IS APPROVED, THAT WE WILL PROVIDE ALL EQUIPMENT, FURNISH ALL MATERIALS, EXCEPT AS MAY OTHERWISE BE NOTED ABOVE, AND PERFORM ALL SERVICES NECESSARY FOR THE WORK ABOVE SPECIFIED, AND WILL ACCEPT AS FULL PAYMENT THEREFOR THE PRICES SHOWN ABOVE

ACCEPTED, DATE August 28, 2017 CONTRACTOR Fresno Roofing Company, Inc.

BY Edward Duarte TITLE Edward Duarte, Estimator

IF THE CONTRACTOR DOES NOT SIGN ACCEPTANCE OF THIS ORDER, HIS ATTENTION IS DIRECTED TO THE REQUIREMENTS OF THE SPECIFICATIONS AS TO PROCEEDING WITH THE ORDERED WORK AND FILING A WRITTEN PROTEST WITHIN THE TIME THEREIN SPECIFIED.

Project No. 817606

FISCAL YEAR 2017 "AMENDED"

Longfield Center Re-roofing

Project Background:

The Longfield Center was built in 1977 to serve the community. Many forms of recreation are represented at the Center. The roofing of both levels was last replaced in 1990 (26 years ago). It is a hot mop, built-up roof designed to last a maximum of 20 years. Crazing, bubbles, and mineral coating loss has greatly affected the integrity of the roof making it a top priority for roof replacement.

Existing Conditions:

In 2014 termites were discovered inside the gym. It was determined that we must tent the facility to eradicate the pests. In FY15 water infiltration caused a large portion of the stucco in the back of the building to fall off. Upon discovery we found the termites are in the ceiling joists. Staff spent \$14,000 to replace 2 sections of roof and repair the stucco. Those measures were only temporary to get through this winter season until a complete roof replacement is completed.

Project Justification:

The existing condition of the roof, if allowed to continue, will damage larger portions of the structure and invite additional termite and dry rot damage. Termite treatment is to be done after the existing roof is torn off and before the new roof is installed.

Fiscal Implications:

Funding for this project will be allocated from Accumulated Capital Outlay Reserves and Building Replacement Reserves.

Project Budget Summary:

		6-Year Funding Allocation					
		2017	2018	2019	2020	2021	2022
Expenditure	Program or Project	Construction					
	Engineering / Inspection	3,850					
	Construction	286,500					
	Contingency	28,850					
	Department Overhead	6,000					
Total Expenditure		\$325,000	\$0	\$0	\$0	\$0	\$0
Revenue	Funding						
	004 Accumulated Capital Outlay	321,000					
	Building Replacement Reserve	4,000					

817607

FISCAL YEAR 2017 "AMENDED"

Hanford Police Department Re-roofing

Project Background:

The police department was built in 1976 after formerly occupying the basement of the Civic Auditorium. Its roof was replaced in 1993. It is a built-up, hot asphalt type roof designed to last no more than 20 years. It is now 23 years old. The roof displays typical age defects of mineral loss, bubbles, cracks or crazing, and cap sheet slippage. Replacement is now required.

Existing Conditions:

The mineral cap sheet protects the remaining layers from UV deterioration and water exposure. The existing cap sheet surface has lost much of its mineral surface. Heat and inadequate attachment has lead to cap sheet slippage allowing areas not protected by minerals to be exposed to the elements. Leakage has occurred over the car port which staff has recently replaced with a 50 ft section. Bubbles are extensive.

Project Justification:

Replacement of the roof will provide protection for the building for a minimum of 20 years. It is imperative the roof is replaced in a timely manner to prevent further deterioration.

Fiscal Implications:

Funding will come from the Building Equipment Reserves and Accumulated Capital Outlay Reserves.

Project Budget Summary:

		6-Year Funding Allocation					
		2017	2018	2019	2020	2021	2022
Expenditure	Program or Project	Construction					
	Engineering / Inspection	2,800					
	Construction	182,000					
	Contingency	18,200					
	Department Overhead	4,000					
Total Expenditure		\$207,000	\$0	\$0	\$0	\$0	\$0
Revenue	Funding						
	004 Accumulated Capital Outlay	104,550					
	Building Replacement Reserve	102,450					
Total Funding		\$207,000	\$0	\$0	\$0	\$0	\$0



AGENDA STAFF REPORT

MEETING DATE: 8/29/2017

AGENDA SECTION: B

SUBJECT:

Utilities and Engineering: Approve an additional appropriation of \$10,255.00 from the Storm Drainage Capital Fund, award a contract to Haydon Construction, Inc., of Fresno, CA in the amount of \$29,355.00 for the YAC Storm Drain Outfall Structure Project, and establish a construction contingency of \$2,900.00 for this project.

RECOMMENDATION:

That the City Council, by motion:

1. Approve an additional appropriation of \$10,255.00 from the Storm Drainage Capital Fund.
2. Award a contract to Haydon Construction, Inc., of Fresno, CA in the amount of \$29,355.00 for the YAC Storm Drain Outfall Structure Project.
3. Establish a construction contingency of \$2,900.00 for this project.

BACKGROUND:

The existing outfall structure is undersized and restricts flow of storm water and causes flooding at the Kings County Government Center. This project consists of replacing an existing storm drainage outfall structure located within the Youth Athletic Complex drainage basin with a new facility to improve storm drainage capacity.

In accordance with Council Action, bids were solicited and opened on August 11, 2017 for the YAC Storm Drain Outfall Structure Project. A total of two (2) bids were received, ranging from a low base bid of \$29,355.00 from Haydon Construction, Inc., to a high base bid of \$49,740.00. A copy of the Bid Tabulation is attached for Council review.

The contract stipulates that the Project be completed within thirty (30) calendar days from the date of the Notice to Proceed. If approved, work on this project is expected to begin in September.

FISCAL IMPACT:

The FY 16/17 Capital Improvement Program Budget provides \$22,000 for construction, including contingencies, for this project. A copy of the budget page is attached for Council review. An additional appropriation of \$10,255.00 from the Storm Drainage Capital Fund is required to fully fund this project. There are sufficient Storm Drainage Capital reserves to fund the additional appropriation request without effect to any current planned projects.

ATTACHMENTS:

Bid Tabulation

BUDGET PAGE

Youth Athletic Complex - Storm Drain Outfall Structure
358-2062-817637

Haydon Construction, Inc. Nick Champi Enterprise

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>Unit Cost</u>	<u>Subtotal</u>	<u>Unit Cost</u>	<u>Subtotal</u>
1 YAC Storm Drain Outfall Structure Proposal	1	LS	29,355.00	\$29,355.00	\$49,740.00	\$49,740.00
				\$29,355.00		\$49,740.00

Total written in Bid if discrepancy exists

Youth Athletic Complex - Storm Drain Outfall Structure

Project Background:

This project consist of replacing an existing Strom Drainage outfall structure located within the YAC Drainage Basin with a new facility to improve Storm Drainage capacity.

Existing Conditions:

The existing outfall structure providing service to the County Complex and Surrounding City Streets is undersized and restricts flow capacity.

Project Justification:

This project will impove drainage service to the County Complex and surrounding City streets by removing a flow restriction in the existing outfall structure.

Fiscal Implications:

Funding for this project will be allocated from storm drainage reserves.

Project Budget Summary:

		6-Year Funding Allocation					
		2017	2018	2019	2020	2021	2022
Expenditure	Program or Project	Construction					
	Engineering / Inspection	2,500					
	Construction	20,000					
	Contingency	2,000					
	Department Overhead	500					
Total Expenditure		\$25,000	\$0	\$0	\$0	\$0	\$0
Revenue	Funding						
	358 Storm Drainage Capital	25,000					
Total Funding		\$25,000	\$0	\$0	\$0	\$0	\$0



AGENDA STAFF REPORT

MEETING DATE: 8/29/2017	AGENDA SECTION: C
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SUBJECT:

Public Works: Adopt Resolution 17-45-R approving the acceptance of a grant from the Federal Aviation Administration (FAA) for \$900,905.00.00 for the Airport Taxilane Pavement Rehabilitation Project (Phase 4).

RECOMMENDATION:

That the City Council, by motion, adopt Resolution 17-45-R approving the acceptance of a grant from the Federal Aviation Administration (FAA) for \$900,905.00 for the Airport Taxilane Pavement Rehabilitation Project (Phase 4).

BACKGROUND:

The City applied for and received a FAA grant for reconstruction of the Airport's taxi-lane pavement and drainage facilities in the amount of \$900,905.00. The project is the fourth and final phase of a three year project to rehabilitate existing taxilane drainage and pavement improvements located at the City's Airport. In order to award a construction project, the City needs to accept the grant from the FAA by approving the attached resolution.

Upon acceptance of the grant award, the City can move forward with the award of a construction project. Improvements will include installation of concrete gutters, drainage structures, relocation of chain-link fencing , grading, reconstruction of the existing asphalt concrete pavement section and re-striping of taxilanes located between Airport Hangers.

FISCAL IMPACT:

Funding for the proposed Airport Taxi-lane Rehabilitation Project (Phase 4) is being provided by a FAA grant (\$900,905) , subject to a local match amount of \$100,101, for a total project estimated cost of \$1,001,006. The City's share of costs for the project will be allocated from Airport Reserves. There are sufficient funds in the Airport Reserve Account to fund this project without impacting the Airport Operations Budget for FY 17 /18.

ATTACHMENTS:

Resolution No. 17-45-R

Project Location

Budget Page

RESOLUTION NO. 17-45-R**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HANFORD AUTHORIZING THE EXECUTION OF A FEDERAL AVIATION ADMINISTRATION GRANT TO REHABILITATE THE TAXIWAY PAVEMENT, PHASE 4**

At a regular meeting of the City Council of the City of Hanford, duly called and held on _____, at 7:00 p.m., and upon a motion of Council Member _____, seconded by Council Member _____, and duly carried, that the following resolution be adopted:

WHEREAS, the City of Hanford and the Federal Aviation Administration are parties to a federal grant regarding the Rehabilitation of the Taxiway Pavement Phase 4; and

WHEREAS, it is necessary for the Federal Aviation Administration and the City of Hanford to enter into a federal grant agreement so that the project may proceed; and

WHEREAS, it is necessary that the City Manager or Finance Director of the City of Hanford execute the federal grant to rehabilitate the phase 4 portion of the taxiway pavement.

NOW THEREFORE, BE IT RESOLVED, that the Hanford City Council hereby authorizes the City Manager or Finance Director of the City of Hanford to execute the Federal Aviation Administration's grant on behalf of the City of Hanford.

PASSED, ADOPTED, AND APPROVED this ____ day of _____, 2017 by the following vote:

AYES: _____

NOES: _____

ABSTAIN: _____

ABSENT: _____

DAVID G. AYERS
MAYOR of the City of Hanford

Attest:

JENNIFER GOMEZ
CITY CLERK



Project No.

FISCAL YEAR 2018 "AMENDED"
Airport Taxi-lane Rehabilitation Project - Phase 4

Project Background:

Project Includes rehabilitation of the hanger taxilanes.

Existing Conditions:

The taxilanes to the hangers are in various stages of decline based upon the age of the pavement. The existing pavement surface is in need of repair. In addition, drainage improvements are needed.

Project Justification:

The hanger taxilanes are necessary for safe operation function of the Airport. The pavement surface is in disrepair and in need of rehabilitation. In addition, drainage improvements are needed. This project will extend the useful life of the facility.

Fiscal Implications:

Federal Aviation Administrations (FAA) provides funding for this project which requires a local match from Airport Capital Reserves.

Project Budget Summary:

		Amended					
		2018	2019	2020	2021	2022	2023
Expenditure	Program or Project	Construction					
	Engineering/ Inspection/ Administration	236,249					
	Construction	733,340					
	Contingency	31,417					
Total Expenditure		\$1,001,006	\$0	\$0	\$0	\$0	\$0
Revenue	Funding						
	300 Airport	100,101					
	023 FAA Grant	900,905					
Total Funding		\$1,001,006	\$0	\$0	\$0	\$0	\$0



AGENDA STAFF REPORT

MEETING DATE: 8/29/2017	AGENDA SECTION: D
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SUBJECT:

Public Works: Approve Contract Work Order No. 5 with the firm of Mead and Hunt of Windsor, Ca., for design, construction management and inspection services, for the Airport Taxi-lane Rehabilitation Project (Phase 4) for a cost not to exceed \$236,249.00.

RECOMMENDATION:

That the City Council, by motion, approve Contract Work Order No. 5 with the firm of Mead and Hunt of Windsor, Ca., for design, construction management and inspection services, for the Airport Taxilane Rehabilitation Project (Phase 4) for a cost not to exceed \$236,249.00., and authorize the Public Works Director to execute said contract work order.

BACKGROUND:

The City applied for and received a Federal Aviation Administration (FAA) grant for reconstruction of the Airport's taxilane pavement and drainage facilities in the amount of \$900,905.00. The project is the fourth and final phase of a three year project to rehabilitate existing taxilane drainage and pavement improvements located at the City's Airport.

Mead and Hunt is a firm that specializes in the administration of FAA grants and airport related construction projects and studies located throughout the U.S. The firm has provided the City with airport related professional services for the past 15 years. The proposed scope of work for work order No. 5 includes project designs, grant application and processing, project administration and coordination, full time inspection services for construction to be performed, soils and materials testing, submittal reviews, processing contract change orders and payment requests, and preparation of a final construction report for FAA approval / acceptance.

Mead and Hunt is a firm licensed in the state of California. Based on their qualifications and demonstrated experience, staff feels that Mead and Hunt is qualified to provide the necessary engineering services and have prepared the attached contract work order No.5 for Council approval. In accordance with section 4525 and 4529 of the Government Code, fees for the proposal were negotiated.

FISCAL IMPACT:

Funding for this project is being provided by a FAA grant (\$900,905) subject to a local match amount of \$100,101, for a total project estimated cost of \$1,001,006. The City's share of costs will be allocated from Airport Reserves. There are sufficient funds in the Airport Reserve account to fund this project without impacting the Airport Operations Budget for FY 17/18.

ATTACHMENTS:

Contract Work Order No. 5

Project Location

Budget Page



CITY OF HANFORD

Department of Public Works

Focused On Our Community 24/7

900 South 10th Avenue • HANFORD, CA 93230-5234 • (559) 585-2550

This is an amendment to the agreement between Mead & Hunt, Inc. and the City of Hanford dated December 22, 2004 and therefore all work to be performed under this Work Order shall comply with all provisions of said agreement.

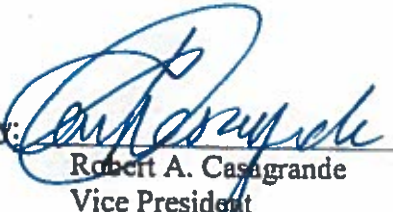
August 16, 2017

Work Order No. 5: Taxilane Pavement Rehabilitation - Phase 4 Construction

Payment for all work outlined in Scope of Services, Phases 1, 2, and 4, shall be made on a lump sum basis of Eighty-three Thousand Two Hundred Eighty-seven Dollars (\$83,287). Payment for all work outlined in Scope of Services, Phase III, shall be made on a time-and-expense basis in conformance with the Mead & Hunt, Inc., Standard Billing Rate Schedule, 2017. The budget for these services is One Hundred Fifty-two Thousand Nine Hundred Sixty-two Dollars (\$152,962) and this budget shall not be exceeded without written authorization from the City. Extra work will not be approved without a change order executed by the City of Hanford and Mead & Hunt, Inc.

1. See the attached proposal (Exhibit 'A') for Scope of Work and fee detail.

By: _____
 Lou Camara
 Public Works Director

By:  8/16/17
 Robert A. Casagrande
 Vice President

Attachment: Contract Work Order No. 5 (UE: Approval of Agreement with Mead and Hunt for Airport Taxi-lane (Phase 4))

Hanford Municipal Airport
Hangar Taxilane Drainage Rehabilitation Phase 4 Construction
Final Bid Documents, Bidding, and Construction Services

Scope of Services

AIP No. 3-06-0098-025-2017

August 16, 2017

PROJECT DESCRIPTION

This project consists of the drainage improvements for Taxilanes 6 and 7. Under a previous grant, design services were performed to the 60% stage. Based on those designs, Phase 1 documents were prepared, bid, and a construction contract awarded in September 2015; the work for Phase 1 was completed July 22, 2016. Phases 2 and 3 of the project were also designed, construction documents prepared and bid. The award for Phases 2 and 3 was made in September 2016; Phases 2 and 3 are currently being constructed; the work is on-going.

This Scope of Services covers work that Mead & Hunt, Inc. will perform on Phase 4 of the project for the City of Hanford. This is the fourth and final phase of the Hangar Taxilane Pavement Rehabilitation Project at the Hanford Municipal Airport. Designs will be taken to completion, bid documents will be produced and advertised then a Contractor will be selected based on bids to construct the project.

Work on this final phase includes pulverization of existing pavement, relocation of an existing fence, installation of new catch basins and valley gutters to control surface runoff, the removal and replacement of approximately 8500 square yards of asphalt pavement sections, and the application of pavement markings.

SCOPE OF SERVICES

Summary of services to be provided by Consultant under this scope:

- Update and finalize design documents.
- Preparation of bid documents for Phase 4 (taking the previous 60% design to final bid documents).
- Assist the City with bidding services by advertising the project and uploading bid documents to the online portal QuestCDN.com, and monitoring the site through the bidding process.
- Coordinate and attend pre-bid meeting.
- Review submittals and recommend bid approval to the City of Hanford.
- Coordinate and attend a pre-construction meeting.
- Provide construction administration and construction observation services.
- Provide project close out documentation to the City.

The services to be provided by Consultant under this scope are broken out into four Phases; the work to be performed is detailed under each phase.

This Scope of Services assumes construction will consist of a thirty (30) calendar day mobilization element and a fifty (50) working day construction element. Full-time, on-site construction observation and Quality Assurance material testing will be provided during the construction element under this scope. Materials testing will be performed in conformance with the standard specifications described in FAA AC 150/5370-10G, *Standards for Specifying Construction of Airports* by a certified material testing lab under the direction of the Consultant.

PHASE I GENERAL PROJECT ADMINISTRATION

1.0 PREPARE CONTRACT AND SUBCONTRACTS

This task will consist of preparing the Consultant-City contract and preparing any Consultant-Subconsultant contracts required.

2.0 PROJECT COORDINATION (coordination with City, FAA and subconsultants)

Consultant will coordinate with City, FAA and any subconsultants and any other applicable agencies to complete the work elements as needed. Progress meetings will be held with the Project Team, including subconsultants, City and FAA, via phone, bi-weekly unless determined otherwise by the Consultant.

3.0 PROJECT ADMINISTRATION

Provide general Project administration during the final design, bidding, and construction. A Project Manager will be assigned to this Project. The Project Manager's duties include the following:

- a. Define tasks, schedules, and costs.
- b. Monitor work progress and mitigate internal project team problems.
- c. Maintain up-to-date schedules.
- d. Coordinate with the City and the FAA to receive their input; address their concerns; provide information regarding Project status when requested; request their concurrence on Project scope, cost, and schedule; and request their input and approval of concepts, final design, contract award, pay requests, change orders, and field directives.
- e. Focus the efforts of the Consultant and subconsultants to finalize the execution of the final design.
- f. Perform quality control measures on work performed by the Consultant and subconsultants. Establish and monitor a program of Quality Control (QC) and Quality Assurance (QA) to be applied during construction.
- g. Prepare invoices and submit to the City in accordance with the City's standard invoice requirements.

4.0 GRANT APPLICATION AND ADMINISTRATION

This element of work includes preparation of an FAA Grant Application before design has been completed and revisions to that Application after bids are accepted for City. Preparation of the Application will include the following:

- a. Prepare Federal grant application forms SF-424 and 5100, current editions, for City review and submittal to FAA.

- b. Draft a program narrative as defined by the FAA grant document 5100-100, discussing the purpose and need of the work and the method for accomplishment.
- c. Develop a Project Funding Summary.
- d. Prepare Preliminary Cost Estimates for engineering design and construction.
- e. Include current Exhibit "A" Property Map, if available (to be provided by the City).
- f. Prepare an exhibit of the proposed project area to be submitted in the grant application.
- g. Draft the Sponsor's Certifications for City's signature (that pertain to this project).
- h. Attach the current Grant Assurances as defined by the FAA at time of grant submittal.
- i. Include Title VI Assurances for City's signature.

The Consultant will submit the Application to the City for review, approval, and signatures. After obtaining the necessary signatures, the City will forward two copies of the signed Application to the FAA for processing. City to provide Consultant with a fully executed copy of the application for Consultant's files.

5.0 ENVIRONMENTAL DOCUMENTATION - NIC¹

A Categorical Exclusion (CAT EX) document for the entire drainage and pavement reconstruction project area was previously submitted and approved. This project is a continuation of the original scope of work for which the CAT EX was submitted; Consultant does not anticipate submittal of a new CAT EX for this project will be required.

PHASE I DELIVERABLES

- 1) Final Consultant Scope of Services – Three (3) original.
- 2) Consultant's Executed Contract – Three (3) originals.
- 3) Grant Application updates for City submittal to FAA – Electronically submitted

PHASE II – 95%, FINAL DESIGN, AND BIDDING

6.0 BID DOCUMENTS FOR 95% SUBMITTAL

Based on comments from the review by the City of 60% design, prepare 95% design documents for the Project. This work shall include:

- a. Internal QA/QC for documents included in the 95% submittal.
- b. Preparation and submittal of 95% design plans.
- c. Preparation and submittal of 95% Project specifications and Construction Safety and Phasing Plan.
- d. Prepare and submit 95% Engineer's construction cost estimate.
- e. Coordination of a 95% review meeting with the City and FAA to go review the 95% submittal documents and discuss schedule for final document completion.

¹ NIC = Not included in Contract

7.0 PREPARE AND SUBMIT FINAL PROJECT CONSTRUCTION BIDDING DOCUMENTS

A final set of construction bidding documents will be prepared that address written comments, revisions, modifications, and corrections determined during the FAA and City's review of the 95% submittal.

7.1 Prepare Bidding and Contract Documents

The Consultant will prepare bidding and contract documents including, but not limited to, Invitation for Bids (Notice to Bidders), Instruction to Bidders, Proposal (Bid Form), List of Subcontractors, FAA Required Certification forms, DBE Requirements, Suspension and Debarments Requirements, Sample Construction Contract/Agreement, Bid Bond, Performance Bond, and Payment Bond. All documents shall be based on the current City standards, modified to include all FAA required provisions and bid forms.

7.2 Required Federal Provisions

Federal laws and regulations require that specific contract provisions be included in federally funded contracts, as established within the grant assurances. Consultant will include the Required Federal Provisions in the bid documents. These requirements cover items such as:

- Buy American Preference (Reference: 49 USC § 50101)
- Foreign Trade Restriction (Reference: 49 CFR part 30)
- Davis Bacon Act (Reference: 29 CFR Part 5)
- Affirmative Action (Reference: 41 CFR part 60-4)
- Government Wide Debar and Suspension
- Government-wide Requirements for Drug-free Workplace
- Additional provisions that will apply to this project / contract are:
- Equal Employment Opportunity (41 CFR Part 60)
- Goals for Minority and Female Participation (41 CFR Part 60-4.2)
- Certification of Nonsegregated Facilities (41 CFR Part 60-1.8)
- Debarment and Suspension (49 CFR Part 29)
- Veteran's Preference (49 USC Section 47112(c))
- Distracted Driving (Texting when Driving) (Executive Order 13513/ DOT Order 3902.10)

7.3 FAA General Provisions (Advisory Circular 150/5370-10G)

FAA requires these provisions be included and complied with for all projects funded with federal grant monies through the Airport Improvement Program (AIP), as established within the grant assurances. The Consultant will include the FAA General Provisions and provide any project specific information. These provisions cannot be modified other than where noted in the document.

7.4 Prepare Special Provisions for Airport Construction

The Consultant will prepare Special Provisions to address, or expand on, conditions specific to construction on airports that require additional clarification. They will include (as applicable), but are not limited to the following items:

- General Safety Requirements, Airfield Safety and Traffic Control
- Record Drawings
- Time Limitations

- Liquidated Damages
- Barricades and Runway Closure Markers
- Radio Communication
- Access and Security
- Work Hour Limitations
- SWPPP Requirements and guidance for Contractor

7.5 Prepare Technical Specifications

The Consultant will prepare Technical Specifications using FAA Standard Specifications and FAA Specification format. For work not covered by FAA Standards, City or Caltrans Standard Specifications may be used. Technical Specifications anticipated to be used for this project include the following:

- Item D-701 Pipe for Storm Drains and Culverts
- Item D-751 Manholes, Catch Basins, Inlets and Inspection Holes
- Item D 754 Concrete Gutters, Ditches, and Flumes
- Item F-162 Chain-Link Fence
- Item P-101 Surface Preparation
- Item P-151 Clearing and Grubbing
- Item P-152 Excavation, Subgrade, and Embankment
- Item P-153 Controlled Low-Strength Material (CLSM)
- Item P-156 Temporary Air and Water Pollution, Soil Erosion, and Siltation Control
- Item P-209 Crushed Aggregate Base Course
- Item P-401 Hot Mix Asphalt (HMA) Pavements
- Item P-603 Bituminous Tack Coat
- Item P-605 Joint Sealants for Concrete Pavements
- Item P-610 Structural Portland Cement Concrete
- Item P-620 Runway and Taxiway Marking

8.0 PREPARE FAA FORM 7460

Consultant to complete a Notice of Proposed Construction or Alteration form 7460-1 (2 anticipated) per FAA guidelines and send the form to the City for submittal to the FAA.

9.0 PREPARE AND SUBMIT FINAL ENGINEER'S CONSTRUCTION COST ESTIMATE

9.1 Calculate Estimated Final Quantities

9.2 Prepare Final Cost Estimate

10.0 PREPARE AND SUBMIT ENGINEER'S DESIGN REPORT (EDR)

Consultant will prepare the Engineer's Design Report in conformance with current FAA requirements. The report will include a summary explanation of the Project design including (as applicable)

geometrics, pavement and drainage design, pavement marking, environmental issues, phasing plans, and an engineer's estimated Project schedule. The report may also contain alternative design concepts that were investigated and evaluated. A construction safety and phasing plan, will be included (or provided as stand-a-lone document), as well as a final Engineer's cost estimate. These reports typically include (as applicable) the following information:

- a. Background
- b. Project Scope
- c. Photographs
- d. Design Standards
- e. Life Cycle Cost Analysis
- f. Topographic Survey Summary
- g. Geotechnical Investigation Summary (report included as an Appendix)
- h. Field Investigation
- i. Drainage Design
- j. Pavement Design Analysis (reference Federal Advisory Circular 150/5320-6E)
- k. Pavement Markings
- l. Airfield Lighting and Signage
- m. NAVAIDS and FAA-Owned Facilities
- n. Environmental Protection
- o. Non-AIP Work
- p. DBE Participation
- q. Airport Operational Safety (reference Federal Advisory Circular 150/5370-2F)
- r. Engineer's Cost Estimate
- s. Time of Completion
- t. Modifications to FAA Standards
- u. Sponsor/Engineer's Certifications

11.0 PREPARE A CONSTRUCTION SAFETY AND PHASING PLAN

Consultant will prepare a Construction Safety and Phasing Plan (CSPP) in conformance with FAA Standards and AC 150/5370-2F, *Operations on Airports During Construction*. The CSPP will be submitted to the City for review. Upon approval, the CSPP will be uploaded to the FAA online portal for review and approval. The final CSPP will be included in the Bid Document package as an Appendix to the specifications. The CSPP typically includes information such as the following:

- a. Overview of project
- b. Responsibilities of project personnel
- c. Phasing and time limitations
- d. Areas and operations affected by construction
- e. NAVAIDS information
- f. Airport wildlife management
- g. Inspection requirements

- h. Underground utilities notification
- i. Visual aids
- j. Marking and signs for access routes

12.0 PROJECT MEETINGS

The Consultant will coordinate and lead the meetings, by phone with the City, as described below. The Consultant will produce drawings and handouts, as needed, to conduct each meeting and will issue minutes to document the discussion. The following meetings will be included in this phase of the scope:

- a. 95% submittal review meeting with the City and FAA (1)
- b. Final submittal review meeting with the City (1)
- c. Coordination meeting (if needed) with City and FAA (1)

13.0 BIDDING SERVICES

13.1 Bid Documents

Consultant will compile final bid documents and upload them to Quest Construction Data Network (QuestCDN.com). Contractors interested in bidding on the project can register and download the Contract Documents for a fee of \$20.00. (Plan rooms in California can obtain the documents via QuestCDN.com at no charge). The City will be responsible for local advertising. This item also includes contacting bidders to generate interest in the project.

13.2 Pre-Bid Conference

Consultant will schedule and conduct a pre-bid conference and site walk at the Airport. The Project Manager will establish this meeting for prospective bidders to review the Project work and address FAA requirements associated with the Project.

13.3 Respond to Bidders Questions

During the bidding process, the Consultant will be available to clarify bidding issues with contractors and suppliers, and for consultation with the various entities associated with the project.

13.4 Prepare and Distribute Addenda

If required, Consultant will issue one (1) bid addenda as appropriate to interpret, clarify, or change the bidding documents as required by the City or the FAA. Addenda will be made available to the plan holders electronically via QuestCDN. Any addenda that are generated as a sole result of the City's error or omission, or FAA request, will be considered as extra services, and the Consultant will be reimbursed for this effort as an amendment to this contract.

13.5 Bid Review and Tabulation

Consultant will advise City as to the acceptability of any contractors, subcontractors, suppliers, and other persons and organizations proposed by the bidders and as to the acceptability of substitute materials and equipment proposed by bidders. The Consultant will prepare a spreadsheet that includes all bid items for the purpose of evaluating the lowest bidder. The Consultant will input the as-bid unit prices into the spreadsheet and verify

mathematical computations of the bids. The Consultant will then provide recommendations to the City as to the name of the Apparent Low Bidder.

13.6 Prepare Recommendation for Award

The Consultant will prepare a Recommendation of Award for the City to accept or reject the bids as submitted. If rejection is recommended, the Consultant will supply an explanation for their recommendation and possible alternative actions that the City can pursue to complete the project. Once the Contract Award is made, the Consultant will distribute the bid tabulations at request of the City, via QuestCDN.com

PHASE II DELIVERABLES

- 1) Bid Documents – Two (2) copies
- 2) Bid Tabulation – Two (2) copies and electronic files
- 3) Recommendation for Award – Two (2) copies and electronic files
- 4) Final Engineer's Design Report – Three (3) bound copies.

PHASE III CONSTRUCTION ADMINISTRATION AND OBSERVATION SERVICES

14.0 CONSTRUCTION ADMINISTRATION

The Consultant agrees to provide Construction Administration Services required for the execution of the Consultant's contracted work. The Project Manager will be responsible for the administration and coordination of Consultant's staff associated with review of the Contractor's work progress, Pay Requests, Change Orders, and other Contractor submitted documentation. The Project Manager will review and comment on Project compliance issues related to quality control testing performed by the Contractor.

The Project Manager will review Project work on a regular basis and will make periodic site visits to monitor construction activities. A total of four (4) Project Manager site visits are included under this Scope of Services.

15.0 PRE-CONSTRUCTION CONFERENCE

15.1 Schedule and Conduct Pre-Construction Conference

Consultant will schedule and conduct the pre-construction conference. The Project Manager and Construction Observer (CO) will establish this meeting to review FAA and Project-specific requirements prior to commencing construction. The meeting will be conducted at the Airport or the City's Public Works Yard and will include the City and representatives of FAA Airports District Office (if possible), Contractor, subcontractors, Airport tenants affected by construction, and utility companies. The pre-construction conference typically includes discussion of:

- a. Scheduling meetings (send invitations, provide meeting materials, and prepare pre-meeting exhibits and materials.)
- b. Project construction schedules provided by the Contractor or Contractors (prior to presentation at the pre-construction conference). Contractor to provide City with copies of the construction schedules.

- c. Prior to the pre-construction conference, provide the City with the name of the Construction Observer and qualifications for City's approval.
- d. Provide the Contractor with a list of required submittals for the project, and discuss at the pre-construction conference.
- e. Preside at the pre-construction conference, prepare a record of the conference (i.e. Meeting minutes), submit minutes to the City for review and comment, and distribute the final meeting minutes to all attendees, via email.

16.0 PREPARE CONSTRUCTION MANAGEMENT PLAN

The Consultant will prepare the Construction Management Plan (CMP). The CMP combines data from the QC Plan with information for Project responsibilities from the City and Consultant. The CMP will outline the submittal requirements and materials testing requirements, as set forth in the construction documents and contained in Federal Advisory Circular 150/5370-10G. The CMP summarizes the types and frequency of testing required for quality acceptance, in addition to the credential requirements of those performing the testing. The CMP may contain forms such as quantity sheets, testing sheets, and construction documenting forms for use by the Contractor. A preliminary copy of the CMP will be submitted to the City and FAA for approval. After review, the CMP will be revised if needed, and issued to the Contractor for use during the project. The final CMP will be sent to FAA.

17.0 PROVIDE CONSTRUCTION SET OF PLANS AND SPECIFICATIONS

Consultant will update, if necessary, the project plans and specifications to include bid addenda items that may have been issued during bidding. The Contractor will be provided with one (1) hardcopy Construction Set of Plans (both half-size and full-size) and Specifications (including Contract Documents). An electronic set of these documents may also be provided to the Contractor pending execution of a data disclaimer form from Contractor to Consultant.

18.0 COMPLIANCE REVIEW

Consultant will review the project material submittals supplied by the Contractor for compliance with the plans, specifications, and Federal requirements.

19.0 COORDINATE AND SCHEDULE SUBCONSULTANTS

If necessary to complete the work to be provided by Consultant under this scope of services, Consultant will acquire and contract with subconsultants. Consultant will establish scopes of work and schedules for their activities, discuss access to project site, and oversee their work for compliance with FAA standards. Subconsultants may be asked to attend the preconstruction conference.

20.0 CONSTRUCTION OBSERVATION AND MATERIAL TESTING

This task will include Construction Observation, and Quality Assurance material testing during construction. A dedicated Construction Observer (CO) will be assigned to this Project, as will a qualified material testing lab.

20.1 Construction Observation

The CO will perform full-time, on-site construction observation as well as coordination and scheduling of Consultant's staff, respond to Requests for Information, observe quality control activities being performed by the Contractor, process FAA required progress reports and Contractor pay requests, and review as-built changes tracked by the Contractor. Additionally, the CO will review Contractor's compliance with plans and specifications, make field measurements, provide entries in and maintain a construction diary and report Contractor non-compliance issues to the City.

20.2 Material Testing

Quality Assurance material testing will be performed by a certified material testing laboratory by qualified technicians under the direct supervision of the Resident Engineer. The frequency and location of tests will be coordinated by the Resident Engineer in cooperation with the Contractor's work schedule.

PHASE III DELIVERABLES

- 1) Construction Management Plan – Three (3) bound copies.
- 2) One hard copy construction set of plans and specs for Contractor.
- 3) Pre-Construction Meeting Minutes – Electronic file.
- 4) Electronic or hard copy of PM's review of Contractor' submittals.
- 5) FAA weekly progress reports to City and to the FAA.
- 6) Monthly Contractor pay request review.
- 7) Change Orders (as necessary).

PHASE IV POST CONSTRUCTION SERVICES

21.0 FINAL INSPECTION AND DOCUMENTATION

Upon proposed completion of the construction of the project, a final inspection will be conducted. The inspection will be scheduled by Consultant / City and should include the Contractor and FAA representatives to determine whether the project has reached substantial completion and verify that the work is in accordance with the plans and specifications. If any items are found to be incomplete or deficient, Consultant will prepare a "punchlist" (letter) of the items, and submit it to the project Contractor to rectify. Contractor is to provide Consultant / City with a response as to actions to be taken, as well as a schedule of completion.

22.0 RECORD DRAWINGS

Record Drawings for the project will be acquired and assembled by Consultant, Contractor and subcontractors. The Record Drawings will detail field constructed conditions included as part of this project and will include field surveying required to compute final quantities. Drawings will become record information. The Consultant will provide the City with a set of reproducible Record Drawings, in hardcopy and/or digital format as requested.

23.0 FINAL CONSTRUCTION REPORT (FCR)

Once the Project has received a Notice of Completion from the City, a Final Construction Report will be prepared and assembled in conformance with FAA Standards. Components of the report will

include a summarization of the Project description, Project pay requests, Change Orders, Sponsor Certifications, documentation of final Project acceptance, and test results for QA material testing performed during construction. As part of this task, the Project closeout will be coordinated by the Project Manager with the Contractor, City, and FAA.

PHASE IV DELIVERABLES

- 1) Final inspection letter – Electronic copy.
- 2) Final Construction Report – Three (3) bound copies.
- 3) Record Drawings / As-built drawings – Reproducible hardcopy and electronic file.

SCHEDULE OF COMPLETION

The Consultant will complete work called for under Phase I – General Project Management and Phase II – 95%, Final Design and Bidding, as needed to meet City's bidding schedule. Phase III – Construction Administration on a schedule submitted by the Contractor and approved by the City not to exceed seventy-two (72) working days. Construction is expected to begin in August 2017 and be completed by December 2017. The Consultant will complete Phase IV – Post Construction Services within twenty-five (25) working days of the receipt of a copy of the Notice of Completion filed by the City.

COMPENSATION FOR SERVICES

Total compensation for work under this scope of services is **Two Hundred Thirty-six Thousand Two Hundred Forty-nine Dollars (\$236,249.00)** and is broken out as follows:

- 1) Payment for all work outlined in Phase I, Phase II and Phase IV shall be made on a **lump sum** basis of **Eighty-three Thousand Two Hundred Eighty-seven Dollars (\$83,287)**.
- 2) Payment for work outlined in Phase III shall be made on a **time-and-expense** basis. The budget for these services is **One Hundred Fifty-two Thousand Nine Hundred Sixty-two Dollars (\$152,962)**. This budget shall not be exceeded without written authorization from the City.

The Engineering Services Cost Estimate is included as *Attachment A*.

These fees are in conformance with the Mead & Hunt, Inc., Standard Billing Rate Schedule, 2017.

Additional Services. Payment for any additional services requested by the City will be performed on a time-and-expense basis in conformance with the Mead & Hunt, Inc. Standard Billing Rate Schedule, 2017, included as *Attachment B* to this Scope. The Consultant will establish the budget for additional services prior to the start of work and may not exceed the budget without written authorization from the City. Any additional services must be authorized in writing by the City.

Engineer's Cost Breakdown

AIRPORT: HANFORD
 LOCATION: HANFORD, CA
 AIP PROJECT NO. 3-05-0098-025-2017
 PROJECT DESCRIPTION: TAXILANE DRAINAGE REHABILITATION PHASE 4 1

PROJECT NUMBER: 0622700-170264.01
 DATE: 6/3/2017
 REV. NO:

PHASE 1 - GENERAL PROJECT ADMINISTRATION		Engineering Fee
1.0	Prepare Contract and Subcontracts	\$2,482.00
2.0	Project Coordination (coordination with City, FAA)	\$8,354.00
3.0	Project Administration	\$11,942.00
4.0	Grant Application and Administration	\$3,000.00
5.0	Environmental Documentation (NIC)	\$0.00
	Expenses	\$515.00
TOTAL PHASE 1 - GENERAL PROJECT ADMINISTRATION		\$26,293.00
PHASE 2 - 95% & FINAL DESIGN AND BIDDING		
6.0	Bid Documents for 95% Submittal	\$10,162.00
7.0	Prepare and Submit Final Project Construction Bidding Documents	\$8,223.00
8.0	Prepare FAA Form 7460	\$1,728.00
9.0	Prepare and Submit Final Engineer's Construction Cost Estimate	\$2,506.00
10.0	Prepare and Submit Engineer's Design Report (EDR)	\$5,464.00
11.0	Prepare a Construction Safety and Phasing Plan	\$3,843.00
12.0	Project Meetings	\$3,217.00
13.0	Bidding Services	\$9,686.00
	Expenses	\$172.50
TOTAL PHASE 2 - 95% & FINAL DESIGN AND BIDDING		\$45,001.50
PHASE 3 - CONSTRUCTION ADMINISTRATION AND OBSERVATION SERVICES		
14.0	Construction Administration	\$4,098.00
15.0	Pre-Construction Conference	\$3,657.00
16.0	Prepare Construction Management Plan	\$1,492.00
17.0	Provide Construction Set of Plans and Specifications	\$2,814.00
18.0	Compliance Review	\$3,988.00
19.0	Coordinate and Schedule Subconsultants	\$3,104.00
20.0	Construction Observation and Material Testing	\$16,000.00
	Expenses	\$17,818.75
TOTAL PHASE 3 - CONSTRUCTION ADMINISTRATION AND OBSERVATION SERVICES		\$152,961.75
PHASE 4 - POST CONSTRUCTION SERVICES		
21.0	Final Inspection and Documentation	\$4,270.00
22.0	Record Drawings	\$916.00
23.0	Final Construction Report (FCR)	\$6,657.00
	Expenses	\$150.00
TOTAL PHASE 4 - POST CONSTRUCTION		\$11,993.00
TOTAL MEAD & HUNT FEES		\$236,249.25
TOTAL ENGINEERING FEES		\$236,249.25

Item No.	SR. Project Engineer	Project Engineer	Engineer III	Engineer II	SR. Technician	Technician III	Administrative Assistant	Technical Editor	Clerical	Total Hours	Cost Summary
PHASE 1 - GENERAL PROJECT ADMINISTRATION											
1.0 Prepare Contract and Subcontracts											
	6	0	0	0	4	0	5	0	0		\$2,482.00
Estimated Total Man-hours	6	0	0	0	4	0	5	0	0	15	
Summary Costs	\$1,332.00	\$0.00	\$0.00	\$0.00	\$660.00	\$0.00	\$490.00	\$0.00	\$0.00		\$2,482.00
2.0 Project Coordination (coordination with City, FAA)											
Estimated Total Man-hours	20	20	0	2	0	0	0	0	0	42	\$9,354.00
Summary Costs	\$4,440.00	\$3,640.00	\$0.00	\$274.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$8,354.00
3.0 Project Administration											
Estimated Total Man-hours	20	30	0	12	0	0	0	3	1	66	\$11,942.00
Summary Costs	\$4,440.00	\$5,460.00	\$0.00	\$1,644.00	\$0.00	\$0.00	\$0.00	\$318.00	\$80.00		\$11,942.00
4.0 Grant Application and Administration											
Estimated Total Man-hours	5	5	0	0	0	0	10	0	0	20	\$3,000.00
Summary Costs	\$1,110.00	\$910.00	\$0.00	\$0.00	\$0.00	\$0.00	\$960.00	\$0.00	\$0.00		\$2,000.00
5.0 Environmental Documentation (NIC)											
Estimated Total Man-hours	0	0	0	0	0	0	0	0	0	0	\$0.00
Summary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Expenses											
Auto Rental	0	0	0	0	0	0	0	0	0	0 Days	\$75.00
Mileage	0	100	0	0	0	0	0	0	0	100 Miles	\$0.90
Lodging and Per Diem	0	0	0	0	0	0	0	0	0	0 Days	\$150.00
Travel and Airfare Costs	0	0	0	0	0	0	0	0	0	0 Trips	\$600.00
Shipping	0	0	0	0	0	0	0	0	5	5	\$35.00
Printing	0	0	0	0	0	0	0	0	1	1	\$250.00
Total Expenses											\$1,055.00
PHASE 1 - GENERAL PROJECT ADMINISTRATION TOTAL											\$26,293.00

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Attachment: Contract Work Order No. 5 (UE: Approval of Agreement with Mead and Hunt for Airport Taxi-lane (Phase 4))

ATTACHMENT A

6.D.a

Item No.	SR, Project Engineer	Project Engineer	Engineer III	Engineer II	SR, Technician	Technician III	Administrative Assistant	Technical Editor	Clerical	Total Hours	Cost Summary
PHASE 4 - POST CONSTRUCTION SERVICES											
21.0 Final Inspection and Documentation											
21.1 Final Inspection	1	4	6	0	10	0	5	2	1		
Estimated Total Man-hours	1	4	6	0	10	0	5	2	1	29	
Summary Costs	\$222.00	\$728.00	\$888.00	\$0.00	\$1,650.00	\$0.00	\$490.00	\$212.00	\$80.00		\$4,270.00
22.0 Record Drawings											
22.1 Record Drawings	0	0.5	0	0	5	0	0	0	0		
Estimated Total Man-hours	0	0.5	0	0	5	0	0	0	0	5.5	
Summary Costs	\$0.00	\$91.00	\$0.00	\$0.00	\$825.00	\$0.00	\$0.00	\$0.00	\$0.00		\$916.00
23.0 Final Construction Report (FCR)											
Estimated Total Man-hours	1	4	0	15	10	0	5	12	3	50	
Summary Costs	\$222.00	\$728.00	\$0.00	\$2,055.00	\$1,650.00	\$0.00	\$490.00	\$1,272.00	\$240.00		\$6,657.00
Expenses											
Auto Rental	0	0	0	0	0	0	0	0	0	0	\$75.00
Mileage	0	0	0	0	0	0	0	0	0	0	\$0.90
Lodging and Per Diem	0	0	0	0	0	0	0	0	0	0	\$150.00
Travel and Airfare Costs	0	0	0	0	0	0	0	0	0	0	\$600.00
Printing	0	0	0	0	0	0	0	1	2	3	\$50.00
Other	0	0	0	0	0	0	0	0	0	0	\$25.00
Other	0	0	0	0	0	0	0	0	0	0	\$45.00
Other	0	0	0	0	0	0	0	0	0	0	\$50.00
Other	0	0	0	0	0	0	0	0	0	0	\$100.00
Other	0	0	0	0	0	0	0	0	0	0	\$50.00
Total Expenses											\$150.00
PHASE 4 - POST CONSTRUCTION SERVICES TOTAL											\$11,993.00

MEAD & HUNT, Inc.
Western Standard Billing Rate Schedule
Effective January 1, 2017

Standard Billing Rates

Clerical	\$80.00 / hour
Interior Designer, Technical Editor	\$106.00 / hour
Senior Editor	\$156.00 / hour
Registered Land Surveyor	\$120.00 / hour
Accounting, Administrative Assistant	\$98.00 / hour
Technician I, Technical Writer	\$91.00 / hour
Technician II, Surveyor - Instrument Person	\$106.00 / hour
Technician III	\$114.00 / hour
Technician IV	\$138.00 / hour
Senior Technician	\$165.00 / hour
Engineer I, Scientist I, Architect I, Planner I	\$125.00 / hour
Engineer II, Scientist II, Architect II, Planner II	\$137.00 / hour
Engineer III, Scientist III, Architect III, Planner III	\$148.00 / hour
Senior Engineer, Senior Scientist, Senior Architect, Senior Planner, Senior Economist	\$169.00 / hour
Project Engineer, Project Scientist, Project Architect, Project Planner	\$182.00 / hour
Senior Project Engineer, Senior Project Scientist, Senior Project Architect, Senior Project Planner	\$222.00 / hour
Senior Associate	\$271.00 / hour
Principal	\$281.00 / hour
Senior Client/Project Manager	\$281.00 / hour

Expenses

Geographic Information or GPS Systems	\$32.00 / hour
Total Station Survey Equipment	\$16.00 / hour
Charges for other equipment may appear in a proposal	
Out-Of-Pocket Direct Job Expenses	cost plus 15%
Such as reproductions, sub-consultants / contractors, etc.	

Travel Expense

Company or Personal Car Mileage	\$ IRS rate / mile*
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* the current IRS rate as of Feb. 2, 2017 is: **53.5 cents per mile**

Air and Surface Transportation	cost plus 15%
Lodging and Sustenance	cost plus 15%

Billing & Payment

Travel time is charged for work required to be performed out-of-office. A minimum of two hours will be billed for any work out-of-office.

Invoicing is on a monthly basis for work performed. Payment for services is due within 30 days from the date of the invoice. An interest charge of 1.5% per month is made on the unpaid balance starting 30 days after the date of invoice.

This schedule of billing rates is effective January 1, 2017, and will remain in effect until December 31, 2017, unless unforeseen increases in operational costs are encountered. We reserve the right to change rates to reflect such increases.



Project No.

FISCAL YEAR 2018 "AMENDED"
Airport Taxi-lane Rehabilitation Project - Phase 4

Project Background:

Project Includes rehabilitation of the hanger taxilanes.

Existing Conditions:

The taxilanes to the hangers are in various stages of decline based upon the age of the pavement. The existing pavement surface is in need of repair. In addition, drainage improvements are needed.

Project Justification:

The hanger taxilanes are necessary for safe operation function of the Airport. The pavement surface is in disrepair and in need of rehabilitation. In addition, drainage improvements are needed. This project will extend the useful life of the facility.

Fiscal Implications:

Federal Aviation Administrations (FAA) provides funding for this project which requires a local match from Airport Capital Reserves.

Project Budget Summary:

		Amended					
		2018	2019	2020	2021	2022	2023
Expenditure	Program or Project	Construction					
	Engineering/ Inspection/ Administration	236,249					
	Construction	733,340					
	Contingency	31,417					
Total Expenditure		\$1,001,006	\$0	\$0	\$0	\$0	\$0
Revenue	Funding						
	300 Airport	100,101					
	023 FAA Grant	900,905					
Total Funding		\$1,001,006	\$0	\$0	\$0	\$0	\$0



AGENDA STAFF REPORT

MEETING DATE: 8/29/2017

AGENDA SECTION: E

SUBJECT:

Utilities and Engineering: Approve an additional appropriation of \$15,101.00 from the Airport Fund, award a contract for the Airport Taxilane Rehabilitation Phase 4 Project to R.J. Berry Jr., Inc., of Selma, California for \$733,340.00, and establish a construction contingency of \$31,417.00.

RECOMMENDATION:

That the Council, by motion:

1. Approve an additional appropriation of \$15,101.00 from the Airport Fund.
2. Award a contract for the Airport Taxilane Rehabilitation Phase 4 Project to R.J. Berry Jr., Inc., of Selma, California for \$733,340.00.
3. Establish a construction contingency of \$31,417.00.

BACKGROUND:

This project consists of removal and replacement of the existing pavement surfaces from the taxiway to the hangers. It also includes some drainage work to repair areas damaged due to poor drainage.

In accordance with Council Action, bids were solicited and opened on July 18, 2017 for the Airport Taxilane Rehabilitation Phase 4 Project. A total of six (6) bids were received, the low responsive bid from R.J. Berry Jr., Inc., of Selma, California for \$733,340.00 to a high bid of \$1,315,205.50. A copy of the Bid Tabulation is attached for Council Review.

The contract stipulates that the project be completed within fifty (50) calendar days from the date of the Notice to Proceed. For each day of delay beyond the approved time, the contractor shall be assessed \$1,500 per day liquidated damages. If approved, the project construction will be delayed until March of 2018, due to winter weather upcoming before the project can be completed.

FISCAL IMPACT:

The FY 17/18 Capital Improvement Program Budget provides \$660,000 for construction, including contingency, for this project. A copy of the budget page is attached for Council review. An additional appropriation of \$15,101.00 from the Airport Fund is required to fully fund this project. There are sufficient Airport reserves to fund the additional appropriation request without effect to any current planned projects. An additional \$135,905.00 was added to the FAA Grant, now totaling \$900,905.00 for this project.

ATTACHMENTS:

Bid Tabulation

Amended BUDGET PAGE

Hanford Municipal Airport, City of Hanford
Construction Bid Tabulation
Hangar Taxilane Drainage Rehabilitation Phase 4 Construction
7/19/2017

Construction Cost					Engineer's Estimate		AJ Excavation, Inc		R.J. Berry Jr., Inc		Dawson-Mauldin Construction, Inc.		American Paving Co.		Bush Engineering, Inc.		Lee's Paving, Inc.	
Item	Spec Ref	Description	Unit	Quantity	Cost	Total	Cost	Total	Cost	Total	Cost	Total	Cost	Total	Cost	Total	Cost	Total
1	A-100-3.1	Airfield Safety and Traffic Control	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 38,000.00	\$ 25,000.00	\$ 25,000.00	\$ 40,000.00	\$ 40,000.00	\$ 7,000.00	\$ 7,000.00	\$ 36,000.00	\$ 15,000.00	\$ 15,000.00		
2	A-105	Mobilization	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 63,800.00	\$ 63,800.00	\$ 41,000.00	\$ 41,000.00	\$ 236,000.00	\$ 236,000.00	\$ 117,000.00	\$ 150,000.00	\$ 150,000.00		
3	A-100-1.15	Small Construction Rainfall Erosivity Waiver NOI	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 800.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 10,000.00	\$ 10,000.00		
4	A-110-4.1	Pavement Pulverization	SY	8,700	\$ 5.00	\$ 43,500.00	\$ 4.00	\$ 34,800.00	\$ 4.00	\$ 34,800.00	\$ 3.00	\$ 26,100.00	\$ 3.80	\$ 33,060.00	\$ 3.00	\$ 26,100.00	\$ 3.00	\$ 26,100.00
5	A-110-4.2	Placement Of Recycled Material	SY	1,680	\$ 15.00	\$ 25,200.00	\$ 4.00	\$ 6,720.00	\$ 15.00	\$ 25,200.00	\$ 8.00	\$ 13,440.00	\$ 5.00	\$ 8,400.00	\$ 23.00	\$ 38,640.00	\$ 22.15	\$ 37,212.00
6	A-110-4.3	Sawcut Asphalt Concrete Pavement	LF	290	\$ 2.00	\$ 580.00	\$ 2.00	\$ 580.00	\$ 2.00	\$ 580.00	\$ 2.00	\$ 580.00	\$ 3.00	\$ 870.00	\$ 3.00	\$ 870.00	\$ 2.95	\$ 855.50
7	A-115-4.1	Remove Existing Drain Pipe, Valley Gutter and Catch Basin	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 11,000.00	\$ 11,000.00		
8	A-115-4.2	Adjustment of Existing Utilities	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 10,000.00	\$ 10,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00		
9	P-101-5.1	Cold Milling Pavement Joins	SY	98	\$ 102.50	\$ 10,045.00	\$ 90.00	\$ 8,820.00	\$ 50.00	\$ 4,900.00	\$ 33.00	\$ 3,234.00	\$ 1.00	\$ 98.00	\$ 45.00	\$ 4,410.00	\$ 71.50	\$ 7,007.00
10	P-151-4.1	Clearing and Grubbing	AC	0.21	\$ 15,000.00	\$ 3,150.00	\$ 60,000.00	\$ 4,200.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 4,200.00	\$ 30,000.00	\$ 6,300.00	\$ 23,000.00	\$ 68,000.00	\$ 14,280.00	
11	P-152-1	Unclassified Excavation Zone 1	CY	2,840	\$ 21.00	\$ 59,640.00	\$ 26.00	\$ 73,840.00	\$ 60.00	\$ 170,400.00	\$ 12.00	\$ 34,080.00	\$ 40.00	\$ 113,600.00	\$ 80.00	\$ 227,200.00	\$ 43.20	\$ 122,688.00
12	P-152-2	Unclassified Excavation Zone 2	CY	2,840	\$ 18.00	\$ 51,120.00	\$ 3.00	\$ 8,520.00	\$ 5.00	\$ 14,200.00	\$ 10.00	\$ 28,400.00	\$ 15.00	\$ 42,600.00	\$ 20.00	\$ 56,800.00	\$ 43.20	\$ 122,688.00
13	P-152-3	Unclassified Excavation Zone 3	CY	2,840	\$ 10.00	\$ 28,400.00	\$ 3.00	\$ 8,520.00	\$ 1.50	\$ 4,260.00	\$ 8.00	\$ 22,720.00	\$ 10.00	\$ 28,400.00	\$ 20.00	\$ 56,800.00	\$ 43.20	\$ 122,688.00
14	P-152-4	Export Unclassified Excavation	CY	780	\$ 25.00	\$ 19,500.00	\$ 5.00	\$ 3,900.00	\$ 5.00	\$ 3,900.00	\$ 12.00	\$ 9,360.00	\$ 9.00	\$ 7,020.00	\$ 31.00	\$ 24,180.00	\$ 52.20	\$ 40,716.00
15	P-153-1	Controlled Low-Strength Material (CLSM)	CY	50	\$ 100.00	\$ 5,000.00	\$ 90.00	\$ 4,500.00	\$ 200.00	\$ 10,000.00	\$ 225.00	\$ 11,250.00	\$ 170.00	\$ 8,500.00	\$ 185.00	\$ 9,250.00	\$ 200.00	\$ 10,000.00
16	P-156-1	Temporary Erosion Control, Fiber Roll	LF	1,100	\$ 5.00	\$ 5,500.00	\$ 4.00	\$ 4,400.00	\$ 3.00	\$ 3,300.00	\$ 7.00	\$ 7,700.00	\$ 4.00	\$ 4,400.00	\$ 4.00	\$ 4,400.00	\$ 10.00	\$ 11,000.00
17	P-156-2	Temporary Inlet Protection, Filter Sack	EA	2	\$ 250.00	\$ 500.00	\$ 200.00	\$ 400.00	\$ 250.00	\$ 500.00	\$ 300.00	\$ 600.00	\$ 200.00	\$ 400.00	\$ 200.00	\$ 400.00	\$ 500.00	\$ 1,000.00
18	P-156-3	Temporary Construction Entrance Tracking Pad	EA	2	\$ 2,500.00	\$ 5,000.00	\$ 1,500.00	\$ 3,000.00	\$ 1,000.00	\$ 2,000.00	\$ 3,000.00	\$ 6,000.00	\$ 3,000.00	\$ 6,000.00	\$ 3,000.00	\$ 6,000.00	\$ 10,000.00	\$ 20,000.00
19	P-209-1	Crushed Aggregate Base Course	CY	1,390	\$ 55.00	\$ 76,450.00	\$ 65.00	\$ 90,350.00	\$ 50.00	\$ 69,500.00	\$ 100.00	\$ 139,000.00	\$ 78.00	\$ 108,420.00	\$ 91.00	\$ 126,490.00	\$ 87.10	\$ 121,069.00
20	P-401-8.1.1	Bituminous Surface Course, P-401	TON	1,600	\$ 115.00	\$ 184,000.00	\$ 140.00	\$ 224,000.00	\$ 140.00	\$ 224,000.00	\$ 145.00	\$ 232,000.00	\$ 165.00	\$ 264,000.00	\$ 160.00	\$ 256,000.00	\$ 220.00	\$ 352,000.00
21	P-605-1	Joint Sealing Filler	LF	2,050	\$ 10.00	\$ 20,500.00	\$ 5.00	\$ 10,250.00	\$ 10.00	\$ 20,500.00	\$ 1.00	\$ 2,050.00	\$ 8.00	\$ 16,400.00	\$ 9.00	\$ 18,450.00	\$ 7.67	\$ 15,723.50
22	P-620-1	Pavement Markings, Yellow, (with reflective media)	SF	510	\$ 12.00	\$ 6,120.00	\$ 5.00	\$ 2,550.00	\$ 10.00	\$ 5,100.00	\$ 11.00	\$ 5,610.00	\$ 11.00	\$ 5,610.00	\$ 7.00	\$ 3,570.00	\$ 10.35	\$ 5,278.50
23	D-701-5.1	12-Inch Storm Drain Pipe	LF	264	\$ 60.00	\$ 15,840.00	\$ 110.00	\$ 29,040.00	\$ 75.00	\$ 19,800.00	\$ 110.00	\$ 29,040.00	\$ 100.00	\$ 26,400.00	\$ 77.00	\$ 20,328.00	\$ 100.00	\$ 26,400.00
24	D-751-5.1	Catch Basin, 24 x 24 I.D., HS-20 Loading	EA	3	\$ 3,500.00	\$ 10,500.00	\$ 4,000.00	\$ 12,000.00	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 15,000.00	\$ 4,200.00	\$ 12,600.00	\$ 4,200.00	\$ 12,600.00	\$ 7,000.00	\$ 21,000.00
25	D-751-5.2	Adjustment to (E) Manhole	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
26	D-754-1	Structural Concrete (Valley Gutter)	CY	50	\$ 600.00	\$ 30,000.00	\$ 31.00	\$ 1,550.00	\$ 650.00	\$ 32,500.00	\$ 900.00	\$ 45,000.00	\$ 600.00	\$ 30,000.00	\$ 800.00	\$ 40,000.00	\$ 732.00	\$ 36,600.00
27	F-162-5.1	Chain-Link Fence, 6-foot Height	LF	420	\$ 75.00	\$ 31,500.00	\$ 340.00	\$ 142,800.00	\$ 20.00	\$ 8,400.00	\$ 35.00	\$ 14,700.00	\$ 31.00	\$ 13,020.00	\$ 20.00	\$ 8,400.00	\$ 20.00	\$ 8,400.00
					TOTAL	\$ 707,045.00	\$ 773,440.00	\$ 773,340.00	\$ 773,340.00	\$ 757,064.00	\$ 986,098.00	\$ 986,098.00	\$ 1,108,918.00	\$ 1,108,918.00	\$ 1,315,205.50	\$ 1,315,205.50		
Blue indicates math errors																		

Total Project					Total Project					Total Project					Total Project					Total Project				
Item	Spec. Section	Description	Unit	Quantity	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
1	A-100-3.1	Airfield Safety and Traffic Control Credit	LS	1	\$ (10,000.00)	\$ (10,000.00)	\$ (5,000.00)	\$ (5,000.00)	\$ (40,000.00)	\$ (40,000.00)	\$ 28,000.00	\$ 28,000.00	\$ (30,000.00)	\$ (30,000.00)	\$ (6,400.00)	\$ (6,400.00)	\$ (15,000.00)	\$ (15,000.00)	\$ (15,000.00)	\$ (15,000.00)	\$ (15,000.00)	\$ (15,000.00)	\$ (15,000.00)	\$ (15,000.00)
TOTAL					\$	\$ 697,045.00	\$	\$ 768,440.00	\$	\$ 733,340.00	\$	\$ 785,064.00	\$	\$ 956,098.00	\$	\$ 1,102,518.00	\$	\$ 1,300,205.50	\$	\$ 1,300,205.50	\$	\$ 1,300,205.50	\$	\$ 1,300,205.50

Project No.

FISCAL YEAR 2018 "AMENDED"**Airport Taxilane Rehabilitation Project - Phase 4****Project Background:**

Project Includes rehabilitation of the hanger taxilanes.

Existing Conditions:

The taxilanes to the hangers are in various stages of decline based upon the age of the pavement. The existing pavement surface is in need of repair. In addition, drainage improvements are needed.

Project Justification:

The hanger taxilanes are necessary for safe operation function of the Airport. The pavement surface is in disrepair and in need of rehabilitation. In addition, drainage improvements are needed. This project will extend the useful life of the facility.

Fiscal Implications:

Federal Aviation Administrations (FAA) provides funding for this project which requires a local match from Airport Capital Reserves.

Project Budget Summary:

		Amended					
		2018	2019	2020	2021	2022	2023
Expenditure	Program or Project	Construction					
	Engineering/ Inspection/ Administration	236,249					
	Construction	733,340					
	Contingency	31,417					
Total Expenditure		\$1,001,006	\$0	\$0	\$0	\$0	\$0
Revenue	Funding						
	300 Airport	100,101					
	023 FAA Grant	900,905					
Total Funding		\$1,001,006	\$0	\$0	\$0	\$0	\$0