

MERCED REGIONAL AIRPORT

PAVEMENT MAINTENANCE
AND MANAGEMENT SYSTEM (PMMS)

GRANT APPLICATION PACKAGE

June 2015

CITY OF MERCED

"Gateway to Yosemite"



June 10, 2015

Mr. Phil Logan
Federal Aviation Administration
San Francisco Airports District Office
1000 Marina Blvd, Suite 225
South San Francisco, CA 90045

RE: Grant Application No. 3-06-0152-24: Pavement Maintenance and Management System

Dear Mr. Logan,

We are pleased to transmit an application for FY2015 grant funding for the Merced Regional Airport. The total amount applied for is \$130,800.

The principal objective of updating the pavement condition report is to assess the current condition of the pavements at Merced Regional Airport, and to optimize the pavement service life by adopting the most economical and efficient maintenance and rehabilitation strategies. The pavement condition data set will be used as a tool to identify and prioritize areas of pavement repair, rehabilitation and reconstruction projects for the next few years.

We look forward to working with you on this project. If you have any questions you may reach me at (209) 385-6834 or please call Janet Young, Interim Manager of Merced Regional Airport, at 209-385-6873 or via email at youngj@cityofmerced.org.

Sincerely,

A handwritten signature in blue ink that reads "John M. Bramble". The signature is fluid and cursive, with the first name "John" being more prominent.

John M. Bramble
City Manager
City of Merced

Enclosures

APPLICATION FOR FEDERAL ASSISTANCE SF-424

Application for Federal Assistance SF-424

* 1. Type of Submission ☐ Preapplication ☒ Application ☐ Changed/Corrected Application		* 2. Type of Application ☒ New ☐ Continuation ☐ Revision		* If Revision, select appropriate letter(s): - Select One - * Other (Specify)	
* 3. Date Received:		4. Application Identifier:			
5a. Federal Entity Identifier:			* 5b. Federal Award Identifier:		
State Use Only:					
6. Date Received by State:			7. State Application Identifier:		
8. APPLICANT INFORMATION:					
* a. Legal Name: City of Merced					
* b. Employer/Taxpayer Identification Number (EIN/TIN): 94-6000371			*c. Organizational DUNS: 16-921-1554		
d. Address:					
* Street1: 678 West 18th Street Street 2: * City: Merced County: Merced * State: CA Province: Country: United States *Zip/ Postal Code: 95340					
e. Organizational Unit:					
Department Name: Merced Regional Airport			Division Name: Airport		
f. Name and contact information of person to be contacted on matters involving this application:					
Prefix: Mr. Middle Name: Myles * Last Name: Bramble Suffix:					
Title: City Manager					
Organizational Affiliation:					
* Telephone Number: (209) 385-6834			Fax Number: (209) 723-1780		
* Email: bramblej@cityofmerced.org					

Application for Federal Assistance SF-424

*9. Type of Applicant 1: Select Applicant Type:

C. City or Township Government

Type of Applicant 2: Select Applicant Type:

- Select One -

Type of Applicant 3: Select Applicant Type:

- Select One -

* Other (specify):

* 10. Name of Federal Agency:

Federal Aviation Administration

11. Catalog of Federal Domestic Assistance Number:

20.106

CFDA Title:

Airport Improvement Program

*12. Funding Opportunity Number:

Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

City of Merced

* 15. Descriptive Title of Applicant's Project:

Pavement Maintenance and Management Project (PMMS) - The current condition of the pavements at MCE will be assessed so as to predict the remaining useful life and optimize the pavement service life by adopting the most economical and efficient maintenance and rehabilitation strategies. A 3-phase pavement rehabilitation plan will be developed. PCN numbers will also be determined as part of the PMMS effort. Finally, a taxiway maintenance and rehabilitation plan will be developed in consideration of addressing non-standard taxiway conditions.

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424**16. Congressional Districts Of:**

*a. Applicant: CA-016

*b. Program/Project: CA-016

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

*a. Start Date: 06/01/2015

*b. End Date: 12/31/2015

18. Estimated Funding (\$):

*a. Federal 124,260.00

*b. Applicant

*c. State

*d. Local 6540

*e. Other

*f. Program Income

*g. TOTAL 130,800.00

19. Is Application Subject to Review By State Under Executive Order 12372 Process?**☐ a. This application was made available to the State under the Executive Order 12372 Process for review on _____☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.☒ c. Program is not covered by E.O. 1237220. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation on next page.)**☐ Yes☒ No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Mr.

*First Name: John

Middle Name: M

*Last Name: Bramble

Suffix:

*Title: City Manager

*Telephone Number: (209) 385-6834

Fax Number: (209) 723-1780

* Email: bramblej@cityofmerced.org

*Signature of Authorized Representative:

*Date Signed:

Application for Federal Assistance SF-424

*Applicant Federal Debt Delinquency Explanation

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

There is no federal debt delinquency.

FORM 5100-101

Application for Federal Assistance (Planning Projects)

PART II – PROJECT APPROVAL INFORMATION

Item 1. Does this assistance request require State, local, regional, or other priority rating? ☐ Yes ☒ No	Name of Governing Body: Priority:
Item 2. Does this assistance request require State, or local advisory, educational or health clearances? ☐ Yes ☒ No	Name of Agency or Board: (Attach Documentation)
Item 3. Does this assistance request require clearinghouse review in accordance with OMB Circular A-95? ☐ Yes ☒ No	(Attach Comments)
Item 4. Does this assistance request require State, local, regional or other planning approval? ☐ Yes ☒ No	Name of Approving Agency: Date:
Item 5. Is the proposed project covered by an approved comprehensive plan? ☒ Yes ☐ No	Check one: State ☐ Local ☒ Regional ☐ Location of Plan: City of Merced
Item 6. Will the assistance requested serve a Federal installation? ☐ Yes ☒ No	Name of Federal Installation: Federal Population benefitting from Project:
Item 7. Will the assistance requested be on Federal land or installation? ☐ Yes ☒ No	Name of Federal Installation: Location of Federal Land: Percent of Project: %
Item 8. Will the assistance requested have an impact or effect on the environment? ☐ Yes ☒ No	(See instruction for additional information to be provided)
Item 9. Will the assistance requested cause the displacement of individuals, families, businesses, or farms? ☐ Yes ☒ No	Number of: Individuals: ____ Families: ____ Businesses: ____ Farms: ____
Item 10. Is there other related Federal assistance on this project previous, pending, or anticipated? ☐ Yes ☒ No	(See instructions for additional information to be provided.)

PART III – BUDGET INFORMATION

SECTION A – BUDGET SUMMARY

Grant Program, Function or Activity (a)	Federal Catalog No. (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. PMMS	21.106	\$	\$	\$ 124,260	\$ 6,540	\$ 130,800
2.						0
3.						0
4.						0
5. TOTALS		\$ 0	\$ 0	\$ 124,260	\$ 6,540	\$ 130,800

SECTION B – BUDGET CATEGORIES

6. Object Class Categories	Grant Program, Function or Activity				Total
	(1)	(2)	(3)	(4)	(5)
a. Personnel	\$ 5,000.00	\$	\$	\$	\$ 5,000.00
b. Fringe Benefits					0.00
c. Travel					0.00
d. Equipment					0.00
e. Supplies					0.00
f. Contractual	125,800.00				125,800.00
g. Construction					0.00
h. Other					0.00
i. Total Direct Charges	130,800.00	0.00	0.00	0.00	130,800.00
j. Indirect Charges	0.00				0.00
k. TOTALS	\$ 130,800.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 130,800.00
7. Program Income	\$	\$	\$	\$	\$ 0.00

SECTION C – NON-FEDERAL RESOURCES

(a) GRANT PROGRAM	(b) APPLICANT	(c) STATE	(d) OTHER SOURCES	(e) TOTALS
8. PMMS	\$ 6,540.00	\$	\$	\$ 6,540.00
9.				0.00
10.				0.00
11.				0.00
12. TOTALS	\$ 6,540.00	\$ 0.00	\$ 0.00	\$ 6,540.00

SECTION D – FORECASTED CASH NEEDS

	Total for 1 st Year	1 st Quarter	2 nd Quarter	3 rd Quarter	4th Quarter
13. Federal	\$ 124,260.00	\$ 53,300.00	\$ 53,300.00	\$ 17,660.00	\$ 0.00
14. Non-Federal	6,540.00	2,800.00	2,800.00	940.00	0.00
15. TOTAL	\$ 130,800.00	\$ 56,100.00	\$ 56,100.00	\$ 18,600.00	\$ 0.00

SECTION E – BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) GRANT PROGRAM	FUTURE FUNDING PERIODS (YEARS)			
	(b) FIRST	(c) SECOND	(d) THIRD	(e) FOURTH
16.	\$	\$	\$	\$
17.				
18.				
19.				
20. TOTALS	\$	\$	\$	\$

SECTION F – OTHER BUDGET INFORMATION

(Attach additional sheets if necessary)

21. Direct Charges:

22. Indirect Charges:

23. Remarks:

PART IV PROGRAM NARRATIVE (Attach per instructions)

PART IV - PROGRAM NARRATIVE

(Suggested Format)

PROJECT: Pavement Maintenance and Management System (PMMS)

AIRPORT: Merced Regional Airport

1. Objective:

The objective of the project is to update the Pavement Maintenance and Management System (PMMS) for Merced Regional Airport. The most recent PMMS was conducted in March 2012.

The principal objective of updating the pavement condition report is to assess the current condition of the pavements at Merced Municipal Airport, and to optimize the pavement service life by adopting the most economical and efficient maintenance and rehabilitation strategies. Pavement inspection areas will include Runway 12-30 with shoulders, blast pads, and overruns, all associated connecting and parallel taxiways along with shoulders, and apron pavements.

2. Benefits Anticipated:

The pavement condition data set will be used as a tool to identify and prioritize areas of pavement repair, rehabilitation and reconstruction projects for the next few years.

3. Approach: *(See approved Scope of Work in Final Application)*

Review, analyze and update 2012 PMMS report.

Complete pavement condition survey (field inspection), which includes obtaining eight pavement cores to determine the structural section of the existing pavement.

Process data sheet of each distress found into MicroPAVER and determine the PCI value of each pavement section.

Develop rehabilitation strategies for each pavement section and an annual pavement maintenance plan.

Document efforts in a Pavement Condition Report.

4. Geographic Location:

Merced Regional Airport (KMCE)
Merced, CA

5. If Applicable, Provide Additional Information:

6. Sponsor's Representative: *(include address & telephone number)*

John M. Bramble, 678 West 18th Street, Merced, CA 95340 (209) 385-6834

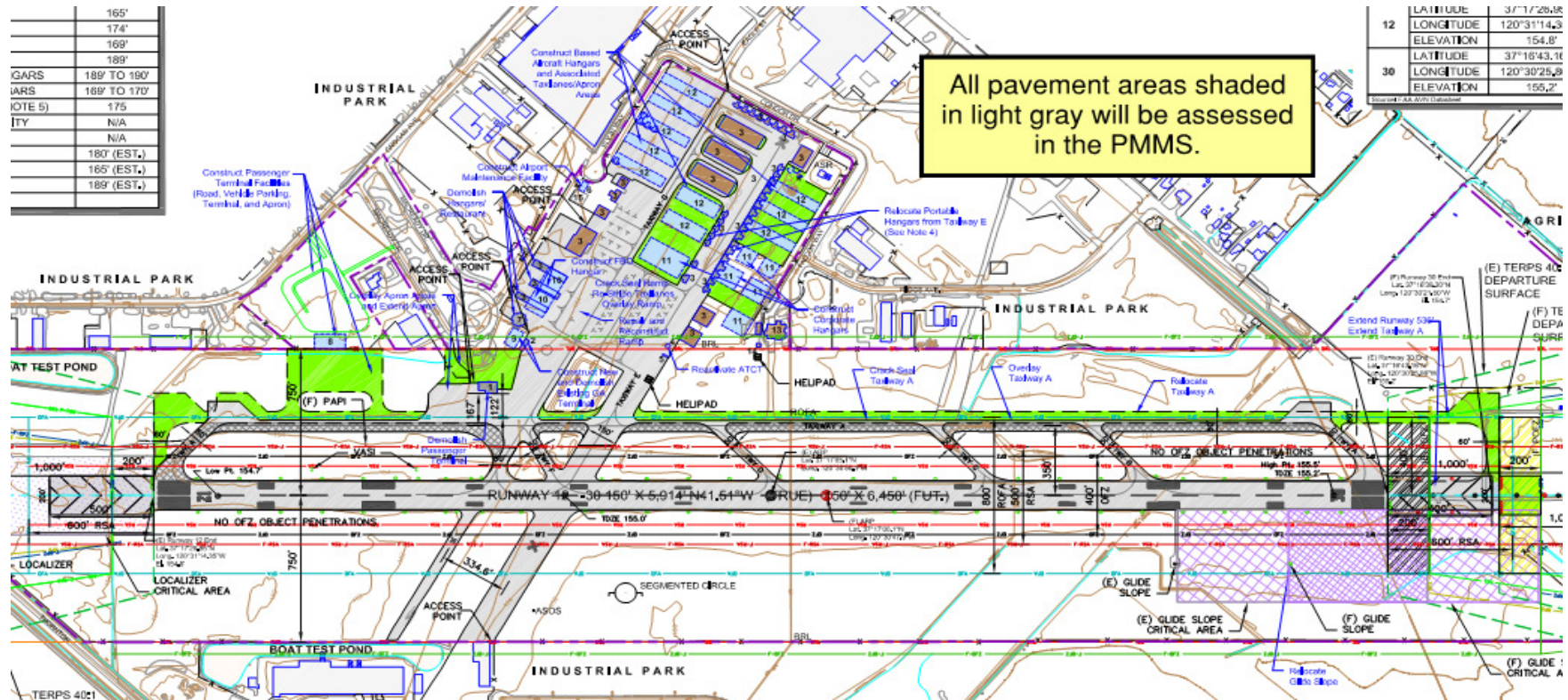
Janet Young, 20 Macready Drive, Merced, CA 95340 (209) 385-6873

**PAVEMENT MAINTENANCE
AND MANAGEMENT SYSTEM (PMMS)**

ACIP DATA SHEET

Airport Name		Merced Regional Airport (MCE)	Fiscal Year 2015		
Shown On ALP	Project Type*	Project Description	Federal Share	Local Share	Total
Yes	P	1. Pavement Maintenance and Management System (PMMS)	\$135,000	\$15,000	\$150,000
Yes	D	2. Runway 12-30 Pavement Maintenance - Pavement Remarketing - Design and Construction	\$478,260	\$53,140	\$531,400
* D - Development; P - Planning; E - Environmental					
PROVIDE THE FOLLOWING DETAILED INFORMATION FOR PROJECTS ANTICIPATED WITHIN 1-2 YEARS					
Detail Project Description (Square/Lineal Footage or Length/Width)					
1. The current condition of the pavements at MCE will be assessed so as to predict the remaining useful life and optimize the pavement service life by adopting the most economical and efficient maintenance and rehabilitation strategies. A 3-phase pavement rehabilitation plan will be developed. PCN numbers will also be determined as part of the PMMS effort. Finally, a taxiway maintenance and rehabilitation plan will be developed in consideration of addressing non-standard taxiway conditions. 2. Per Part 139 inspection report concerns, the Runway 12-30 pavement will be remarked (pavement maintenance) per eligibility requirements for nonprimary airports (see Table 3-2, AIP Handbook). This project includes both design and construction.					
Project Schedule (Anticipated date for bids or negotiated prices, consultant selection for planning or environmental projects, length of construction or design, planning or environmental process)					
1. 2015 2. 2015					
NEPA Environmental Status (Date of FONSI or submit CATEX Form for Approval)					
1. Not applicable 2. Not applicable					
Land Title Status & Date of Exhibit "A" Status					
Date					
1. The City owns all property necessary for the project. 1. The City owns all property necessary for the project.					
Open AIP Funded Projects					
Expected Close-out Date					
Certification: To the best of my knowledge and belief, all information shown in the ACIP Data Sheet is true and correct and had been duly authorized by the Sponsor.					
Janet Young, Interim Airport Manager			Janet Young, Interim Airport Manager		
Name and Title of Authorized Representative (Print or Type)			Contact Name and Title (Print or Type)		
			209-564-0120		
Signature		Date	Contact Phone (Print or Type)		

1. PMMS



**PAVEMENT MAINTENANCE
AND MANAGEMENT SYSTEM (PMMS)**

PROJECT PROPOSAL / PROJECT WORK SCOPE

Merced Regional Airport



Pavement Maintenance and Management System

Project Proposal Project Work Scope



RS&H California, Inc
369 Pine St. Suite 610
San Francisco, CA 94104
(415) 986-1702

Joseph P. Jackson
By: Joseph P. Jackson, Vice President

February 5, 2015 Version 1.0

PAVEMENT MAINTENANCE AND MANAGEMENT SYSTEM

MERCED REGIONAL AIRPORT / MACREADY FIELD

MERCED, CALIFORNIA

I. PROJECT DESCRIPTION

The City of Merced, which operates Merced Regional Airport / Macready Field (MCE), has requested RS&H California, Inc. to update the Pavement Maintenance and Management System (PMMS) for Merced Regional Airport. The most recent Pavement Management Update was conducted in March 2012. The information contained in the 2012 report will be reviewed, analyzed and updated as part of this effort. RS&H will use, to the extent practical, the same branch definitions, sections and sample units as defined in the report. Pavement inspection areas will include Runway 12-30 with shoulders, blast pads, and overruns, all associated connecting and parallel taxiways along with shoulders, and apron pavements. The total pavement area of approximately 275,000 square yards will be inspected as part of this project.

The principal objective of updating the pavement condition report is to assess the current condition of the pavements at Merced Regional Airport, and to optimize the pavement service life by adopting the most economical and efficient maintenance and rehabilitation strategies. The pavement condition data set will be used as a tool to identify and prioritize areas of pavement repair, rehabilitation and reconstruction projects for the next few years.

RS&H will use the latest version of MicroPAVER pavement management software to determine the pavement condition index. MicroPAVER uses the inspection results to identify pavements requiring maintenance, rehabilitation, or reconstruction. The output from the MicroPAVER will be used with AutoCAD software to generate color coded exhibits showing current PCI values. This information allows the airport to assess overall pavement network condition and to identify required maintenance, rehabilitation, and reconstruction activities in the future.

II. SCOPE OF WORK

Task 1 – Kick off Meeting, Records Research, and Network Definition

RS&H will prepare for and attend a project kick off meeting with the Airport. The meeting will be held via conference call and will discuss the scope of proposed work, field investigation, project schedule and deliverables. RS&H will also schedule dates to access the airfield for the pavement condition survey.

RS&H will review pertinent record drawings, past engineering design reports, the Airport Layout Plan, pavement reports, traffic data, airport master plans etc. (if available) pertaining to pavement construction, rehabilitation, and maintenance history of the airport. RS&H will talk to the airport personnel to collect any information that was not recorded or documented in available records mentioned above. The data collected from the pavement construction history research will be used to prepare tables and drawings showing the construction history which will be used to develop network level drawings.

RS&H will review and assign a designation to each individual facility (runway, taxiway, apron etc.) at Merced Regional Airport. The previous 2012 pavement management report will be used to the maximum extent possible. The pavement areas will be organized into networks, branches, sections, and sample units in accordance with the American Society for Testing and Materials (ASTM) Standard D5340, Standard Test Method for Airport Pavement Condition Index Surveys and the FAA's Advisory Circular 150/5380-

6B, Guidelines and Procedures for Maintenance of Airport Pavements. A Pavement Network Drawing will be created that depicts each Brach, Section and Sample Unit of the airfield pavements. This drawing will serve as the basis for collecting and recording the condition of the pavement for the pavement management report.

Task 2 – Pavement Condition Survey

RS&H will conduct a field inspection of the pavement sample units within each section. RS&H will mark off or station pavements at proper position for the condition survey. Those pavement sample units that exhibit distresses widely different from the adjacent sections will be photographed and recorded. Aircraft movement areas including runways, taxiways, aprons, blast pads, and overruns will be evaluated using the Pavement Condition Index (PCI) procedure as defined in FAA AC 150/5380-6B and ASTM D5340. The pavement distresses will be recorded with their respective levels as low, medium or high levels of distress severity.

In addition to the visual inspection of the pavement, the RS&H team will perform eight pavement cores within the taxiway and apron areas to determine the structural section of the existing pavement. The location of the pavement cores will be submitted to the Airport for review prior to commencing work.

RS&H assumes that Airport personnel will provide field escort for all inspections and airfield access and will provide radio communication with the air traffic control tower. The time allotted for pavement inspection assumes efficiency. The time necessary to identify and inspect the sample units will vary depending upon pavement type and location. A two-person crew will be used for the inspection.

Task 3 - Pavement Management System Program

The result of the visual inspection is a data sheet for each sample unit documented. The data sheet includes the type, quantity and severity of each distress found in the sample unit. RS&H will check each sheet for accuracy prior to entering the data into the MicroPAVER system. Once checked, the data from each sheet will be processed in MicroPAVER to determine the PCI value of each pavement section. MicroPAVER reports will be generated for various performance models with customized maintenance strategies to decide which maintenance strategy is to be adopted such as local preventive maintenance, rehabilitation or major reconstruction.

Task 4 - Pavement Condition and Design Analysis

RS&H will analyze the pavement condition data produced by MicroPAVER. The resulting PCI information will be compared against the pavement structure and traffic data of each section. Rehabilitation strategies will be developed for each section based on PCI value, distress type, and traffic operations.

Task 5 – Pavement Maintenance Plan

Based on the current PCI generated, a preliminary annual maintenance plan will be generated. The usual industry practice of rehabilitating all pavements that have less than a PCI of 55 will be adopted. The annual maintenance plan will include pavement location, pavement area measured in square feet, unit cost for the type of pavement maintenance, and total cost for each location.

Task 6 - Report and Documentation

RS&H will prepare a color Pavement Condition Report. The submittal will include a summary of data collection and exhibits showing the areas inspected, PCI values for each area and recommended rehabilitation method for each major section.

Two aspects of the existing pavement condition data will be reviewed: PCI and the type of distress. The PCI for each inspected sample unit will be calculated and section PCI values will be extrapolated based

upon the sample unit information. The types of distress identified during the surveys will also be reviewed. The types of distress present helps to identify the cause of the pavement deterioration. Distress types are characterized as load-related (such as alligator cracking), weather-related (such as weathering and raveling), and materials-related (such as durability cracking). Understanding the cause of distress helps to determine which appropriate remedial measure is to be selected to limit the deterioration.

Task 7 - Quality Assurance / Quality Control

RS&H will conduct in-house quality control review of the data and the report, prior to submittal to the airport's authorized representatives.

Task 8 - Project Administration / Management

RS&H will manage the project in a professional manner and assign qualified individuals to the project, and will work closely with the airport to ensure the completion of the project within the specified time frame and estimated budget. RS&H will attend weekly progress meetings via teleconference to discuss the progress of the work and address any questions or concerns of the Airport.

RS&H will submit a monthly invoice providing an overview of the work completed during the billing period, hours charged per period and to date, and budget remaining on the project. The invoice will also provide information documenting the percentage of work accomplished during the billing period.

III. SCHEDULE

The work effort as scoped is anticipated to last approximately 6 months from the Notice to Proceed date.

IV. PROJECT COSTS

RS&H will perform all tasks included in the scope of work listed above for the Lump Sum fee of \$125,800

Staff Classification	Project Officer	QA/QC Manager	Proj. Manager/ Sr. Engineer	Engineer	Technician	Admin	TOTAL HOURS	LABOR COST SUMMARY
Burdened Rate	\$333.93	\$318.70	\$291.17	\$145.68	\$117.73	\$61.52		
PROJECT TASKS								
Task 1 - Kick off Meeting, Records Research, and Network Definition								
Kick off Meeting	2		3	2		1	8	
Records Review			8	8			16	
Network Definition			16	8			24	
Pavement Network Drawings			4	16	24		44	
SubTotal Man-Hours	2	0	31	34	24	1	92	
Subtotal Labor Costs	\$668	\$0	\$9,026	\$4,953	\$2,826	\$62		\$17,534
Task 2 - Pavement Condition Survey								
Pavement Condition Survey			40	40			80	
Coordinate Payment Cores			2					
Organize Field Data			8	16		4	28	
SubTotal Man-Hours	0	0	50	56	0	4	110	
Subtotal Labor Costs	\$0	\$0	\$14,559	\$8,158	\$0	\$246		\$22,963
Task 3 - Pavement Management System Program								
MicroPAVER Analysis (Data Loading and Error Checking)			4	16			20	
Run MicroPAVER Reports			2	4			6	
PMMS Customization			4	8			12	
SubTotal Man-Hours	0	0	10	28	0	0	38	
Subtotal Labor Costs	\$0	\$0	\$2,912	\$4,079	\$0	\$0		\$6,991
Task 4 - Pavement Condition and Design Analysis								
Analysis of PCI Data			8	8	0	0	16	
Rehabilitation Design Analysis			16	4	0	0	20	
SubTotal Man-Hours	0	0	24	12	0	0	36	
Subtotal Labor Costs	\$0	\$0	\$6,988	\$1,748	\$0	\$0		\$8,736
Task 5 - Pavement Maintenance Plan								
Develop Preliminary Maintenance Plan			16	2			18	
Develop Unit Construction Cost			4	8			12	
Construction Cost Estimates for Rehab Options			4	8			12	
Rehabilitation Recommendations			4	4			8	
SubTotal Man-Hours	0	0	28	22	0	0	50	
Subtotal Labor Costs	\$0	\$0	\$8,153	\$3,205	\$0	\$0		\$11,358
Task 6 - Report and Documentation								
Develop Draft Report			32	16	0	4	52	
Develop Final Report			24	8	0	2	34	
SubTotal Man-Hours	0	0	56	24	0	6	86	
Subtotal Labor Costs	\$0	\$0	\$16,306	\$3,496	\$0	\$369		\$20,171
Task 7 - Quality Assurance/ Quality Control								
Review of Draft Report	4	8	2				14	
Review of Final Report	4	8	2				14	
SubTotal Man-Hours	8	16	4	0	0	0	28	
Subtotal Labor Costs	\$2,671	\$5,099	\$1,165	\$0	\$0	\$0		\$8,935
Task 8 - Project Administration/ Management								
Project Admin / Management	4		12	0	0	6	22	
Weekly Progress Meetings	24		24	0	0		48	
SubTotal Man-Hours	28	0	36	0	0	6	70	
Subtotal Labor Costs	\$9,350	\$0	\$10,482	\$0	\$0	\$369		\$20,201
Total Manhours Per Classification	38	16	239	176	24	17	510	
Total Labor Costs	\$12,689.34	\$5,099.20	\$69,589.63	\$25,639.68	\$2,825.52	\$1,045.84		\$116,889
Direct Expenses								
REPRODUCTION	# Pages	@ \$0.10	# Sets					
Draft Report	100		1					\$10
Final Report	100		1					\$10
TRAVEL	# People	# Days	Airfare @ \$250	Car @ \$80	Lodging @ \$140	Perdiem @ \$50		
Visual Pavement Inspection	2	5	\$500	\$400	\$1,400	\$500		\$2,800
Subtotal of Direct Expenses								\$2,820
RS&H LABOR AND DIRECT EXPENSE TOTAL								119,800
Core Existing Pavement Sections (Kleinfelder)								6,000
PROJECT TOTAL								125,800

CONTRACTOR CONTRACTUAL REQUIREMENTS

CONTRACTOR CONTRACTUAL REQUIREMENTS

ATTACHMENT 1

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations.** The contractor shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

2. **Nondiscrimination.** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment.** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

4. **Information and Reports.** The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Sponsor or the Federal Aviation Administration (FAA) to be pertinent to ascertain compliance with such Regulations, orders, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the sponsor or the FAA, as appropriate, and shall set forth what efforts it has made to obtain the information.

5. **Sanctions for Noncompliance.** In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the sponsor shall impose such contract sanctions as it or the FAA may determine to be appropriate, including, but not limited to:

a. Withholding of payments to the contractor under the contract until the contractor complies, and/or

b. Cancellation, termination, or suspension of the contract, in whole or in part.

6. **Incorporation of Provisions.** The contractor shall include the provisions of paragraphs 1 through 5 in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations or directives issued Pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the sponsor or the FAA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Sponsor to enter into such litigation to protect the interests of the sponsor and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

**CLAUSES FOR DEEDS, LICENSES, LEASES, PERMITS
OR SIMILAR INSTRUMENTS**

CLAUSES FOR DEEDS, LICENSES, LEASES, PERMITS OR SIMILAR INSTRUMENTS

ATTACHMENT 2

The following clauses shall be included in deeds, licenses, leases, permits, or similar instruments entered into by the Sponsor pursuant to the provisions of Assurances 5(a) and 5(b).

1. The (grantee, licensee, lessee, permittee, etc., as appropriate) for himself, his heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add "as a covenant running with the land") that in the event facilities are constructed, maintained, or otherwise operated on the said property described in this (deed, license, lease, permit, etc.) for a purpose for which a DOT program or activity is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.) shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to 49 CFR Part 21, Nondiscrimination in Federally Assisted Programs of the Department of Transportation, and as said Regulations may be amended.

2. The (grantee, licensee, lessee, permittee, etc., as appropriate) for himself, his personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add "as a covenant running with the land") that: (1) no person on the grounds of race, color, or national origin shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person on the grounds of race, color, or national origin shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the (grantee, licensee, lessee, permittee, etc.) shall use the premises in compliance with all other requirements imposed by or pursuant to 49 CFR Part 21, Nondiscrimination in Federally Assisted Programs of the Department of Transportation, and as said Regulations may be amended.

STANDARD DOT TITLE VI ASSURANCES

STANDARD DOT TITLE VI ASSURANCES

____ City of Merced _____ (hereinafter referred to as the Sponsor) hereby agrees that as a condition to receiving Federal financial assistance from the Department of Transportation (DOT), it will comply with Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.) and all requirements imposed by 49 CFR Part 21, - Nondiscrimination in Federally Assisted Programs of the Department of Transportation -- Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") to the end that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the applicant receives Federal financial assistance and will immediately take any measures necessary to effectuate this agreement. Without limiting the above general assurance, the sponsor agrees concerning this grant that:

1. Each "program" and "facility" (as defined in Sections 21.23(e) and 21.23 (b)) will be conducted or operated in compliance with all requirements of the Regulations.
2. It will insert the clauses of Attachment 1 of this assurance in every contract subject to the Act and the Regulations.
3. Where Federal financial assistance is received to construct a facility, or part of a facility, the assurance shall extend to the entire facility and facilities operated in connection therewith.
4. Where Federal financial assistance is in the form or for the acquisition of real property or an interest in real property, the assurance shall extend to rights to space on, over, or under such property.
5. It will include the appropriate clauses set forth in Attachment 2 of this assurance, as a covenant running with the land, in any future deeds, leases, permits, licenses, and similar agreements entered into by the sponsor with other parties:
 - (a) for the subsequent transfer of real property acquired or improved with Federal financial assistance under this Project; and
 - (b) for the construction or use of or access to space on, over, or under real property acquired or improved with Federal financial assistance under this Project.
6. This assurance obligates the Sponsor for the period during which Federal financial assistance is extended to the program, except where the Federal financial assistance is to provide, or is in the form of personal property or real property or interest therein or structures or improvements thereon, in which case the assurance obligates the sponsor or any transferee for the longer of the following periods.
 - (a) the period during which the property is used for a purpose for which Federal financial assistance is extended, or for another purpose involving the provision of similar services or benefits, or
 - (b) the period during which the sponsor retains ownership or possession of the property.

7. It will provide for such methods of administration for the program as are found by the Secretary of Transportation or the official to whom he delegates specific authority to give reasonable guarantee that it, other sponsors, subgrantees, contractors, subcontractors, transferees, successors in interest, and other participants or Federal financial assistance under such program will comply with all requirements imposed or pursuant to the Act, the Regulations, and this assurance.

8. It agrees that the United States has a right to seek judicial enforcement with regard to any matter arising under the Act, the Regulations, and this assurance.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining Federal financial assistance for this Project and is binding on its contractors, the sponsor, subcontractors, transferees, successors in interest and other participants in the Project. The person or persons whose signatures appear below are authorized to sign this assurance on behalf of the Sponsor.

DATED 06-15-2015

City of Merced

(Sponsor)

By

John M. Bramble

(Signature of Authorized Official)

DRUG-FREE WORKPLACE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT IMPROVEMENT PROGRAM
SPONSOR CERTIFICATION

DRUG-FREE WORKPLACE

City of Merced

(Sponsor)

Merced Regional Airport

(Airport)

(Project Number)

Description of Work:

Runway Safety Area (RSA) Study to determine the best option to clear Merced Regional Airport's RSA.

Title 49, United States Code, section 47105(d), authorizes the Secretary to require certification from the sponsor that it will comply with the statutory and administrative requirements in carrying out a project under the Airport Improvement Program (AIP). General requirements on the drug-free workplace within Federal grant programs are described in Title 49, Code of Federal Regulations, Part 29. Sponsors are required to certify they will be, or will continue to provide, a drug-free workplace in accordance with the regulation. The AIP project grant agreement contains specific assurances on the Drug-Free Workplace Act of 1988.

Except for the certified items below marked not applicable (N/A), the list includes major requirements for this aspect of project implementation, although it is not comprehensive, nor does it relieve the sponsor from fully complying with all applicable statutory and administrative standards.

	Yes	No	N/A
1. A statement has been or will be published notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the sponsor's workplace, and specifying the actions to be taken against employees for violation of such prohibition.	☒	☐	☐
2. An ongoing drug-free awareness program has been or will be established to inform employees about:			
a. The dangers of drug abuse in the workplace;			
b. The sponsor's policy of maintaining a drug-free workplace;	☒	☐	☐
c. Any available drug counseling, rehabilitation, and employee assistance programs; and			
d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.			
3. Each employee to be engaged in the performance of the work has been or will be given a copy of the statement required within item 1 above.	☒	☐	☐
4. Employees have been or will be notified in the statement required by item 1 above that, as a condition employment under the grant, the employee will:			
a. Abide by the terms of the statement; and	☒	☐	☐
b. Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction.			

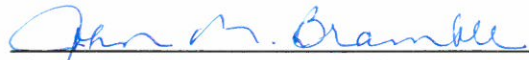
- | | Yes | No | N/A |
|---|-------------------------------------|--------------------------|--------------------------|
| 5. The FAA will be notified in writing within ten calendar days after receiving notice under item 4b above from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title of the employee, to the FAA. Notices shall include the project number of each affected grant. | ☒ | ☐ | ☐ |
| 6. One of the following actions will be taken within 30 calendar days of receiving a notice under item 4b above with respect to any employee who is so convicted: | | | |
| a. Take appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or | ☒ | ☐ | ☐ |
| b. Require such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by Federal, State, or local health, law enforcement, or other appropriate agency. | | | |
| 7. A good faith effort will be made to continue to maintain a drug-free workplace through implementation of items 1 through 6 above. | ☒ | ☐ | ☐ |

I have prepared documentation shown below or attached hereto with site(s) for performance of work (street address, city, county, state, zip code). There are no such workplaces that are not identified below or in the attachment. I have prepared additional documentation for any above items marked "no" and attached it hereto. I certify that, for the project identified herein, responses to the forgoing items are accurate as marked and attachments are correct and complete.

	Location	Location	Location
Street Address:	678 West 18 th Street	20 Macready Drive	
City:	Merced	Merced	
State:	CA	CA	
Zip code:	95340	95340	

City of Merced

Name of Sponsor



Signature of Sponsor's Designated Official Representative

John M. Bramble

Type Name of Sponsor's Designated Official Representative

City Manager

Typed Title of Sponsor's Designated Official Representative

06-15-15

Date of Signature