

CITY OF PRESCOTT CONTRACT # 2014-029A15



PROFESSIONAL SERVICES AGREEMENT  
DIBBLE ENGINEERING, INC.  
Fiscal Years 2014 through 2016

AUTHORIZATION FOR SERVICES NO. 15

CONSTRUCTION  
ADMINISTRATION AND  
ENGINEERING SERVICES

AT PRESCOTT MUNICIPAL AIRPORT, ERNEST A. LOVE FIELD

FAA GRANT # 3-01-0037-039-2018  
ADOT GRANT # TBD

APPROVED AND ACCEPTED by the City of Prescott, this 5<sup>th</sup> day of April, 2016.

City of Prescott, a municipal corporation

\_\_\_\_\_  
Greg Mengarelli  
Mayor

ATTEST:

\_\_\_\_\_  
Maureen Scott  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
JON M. PALADINI  
City Attorney

# Dibble Engineering

7878 North 16<sup>th</sup> Street  
Suite 300  
Phoenix, Arizona 85020  
P 602.957.1155  
F 602.957.2838  
www.dibblecorp.com

May 15, 2018

Prescott Municipal Airport  
Ernest A. Love Field  
6546 Crystal Lane  
Prescott AZ 86301

Attention: Mrs. Robin Sobatta, PhD, MBA, AAE  
Airport Director – Prescott Municipal Airport

RE: ENGINEERING SERVICES PROPOSAL  
Authorization of Services No: 18  
City of Prescott Project No: 18604 (Construction Administration)  
FAA AIP No: 3-04-0037-039-2018  
ADOT Project No. TBD

**RW 3R – 21L Rehabilitation, Lighting & Signage, Hot Spot No. 2 Mitigation – Construction Phase Services**

We appreciate the opportunity to provide construction phase services for the *PRC RW 3R-21L Rehabilitation* project at the Prescott Municipal Airport. Dibble Engineering in conjunction with their subconsultants will perform these services, per the attached Scope of Work, for the following Time-and-Material (T&M) Not-To-Exceed (NTE) fees:

**Construction Management and Administration Services:**

1. Dibble Engineering.....Construction Management.....	\$222,790
2. Dibble CM.....Construction Inspection.....	\$95,239
3. ETC.....Quality Assurance Testing.....	\$47,460
4. CR Engineers.....Electrical CA Support Services.....	\$110,600
5. Speedie.....Pavement Support Services.....	\$10,000
<b>Total Estimated Fees.....</b>	<b>\$486,089</b>

With the inclusion of CR Engineers the proposed DBE percentage on this project is 22.8%.

With inclusion of ETC the proposed local participation on this contract is 9.8%, (doesn't include local participation of construction).

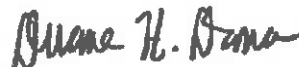
Transmitted herewith is our proposed Scope of Work, Fee Summary, Derivation of Fee Proposal Summary, Estimated Manhour Matrix, Estimated Allowance for Direct Costs, and subconsultant proposals. We are excited for the opportunity to support the Prescott Municipal Airport on this project. If you need additional information or have questions, please do not hesitate to call.

Sincerely,  
Dibble Engineering



Peter Knudson, P.E.

Airport Development Senior Project Manager  
Construction Manager



Duane Dana, P.E.  
Airport Development Senior Project Engineer



**SCOPE OF WORK**  
**RW 3R-21I Rehab**  
Construction Phase Services  
Prescott Municipal Airport



The following scope of work is provided for the construction phase services for the *PRC Runway 3R-21L Rehabilitation* project at the Prescott Municipal Airport (the Airport). The Dibble Team key members consists of the following, (Dibble staff titles below are consistent with the classifications in the Manhour Matrix included with this proposal):

- Construction Manager (Dibble) – Peter Knudson, P.E.
- Project Manager (Dibble) – Jared Bass, P.E.
- Senior Project Engineer (Dibble) – Duane Dana, P.E.
- Construction Inspector (Dibble CM) – Peter Carpenteri
- Electrical Project Manager (CR) – Catherine Alcorn, P.E.
- Electrical Inspector (CR) – Shane Woodard
- Quality Assurance Testing (ETC) – Rick Kelley, P.E
- Planning Manager (Dibble) – Charlie McDermott

This proposal consists of comprehensive construction phase services as outlined below and is based on reaching Substantial Completion within 76 Calendar Days and Final Completion within an additional 30 Calendar Days:

**1) General:**

- a) **Project Management and Administration:** Dibble Engineering (Dibble) will provide overall project management, coordination between the client and team members, and administration of the project to monitor the Contractor's operations and deliverables.

Dibble will make monthly progress reports, including invoicing, to the Airport in a format acceptable to the Airport.

**2) Preconstruction Activities:**

- a) **Preconstruction Conference:** Dibble will conduct the Preconstruction Conference and provide support and/or coordination of the design documents as needed. Dibble will prepare and provide the meeting agenda and sign-in sheet, facilitate the meeting, and issue meeting minutes. The Dibble Team will be in attendance to provide technical support. The Dibble team key members will each provide a representative at this meeting, (i.e. Dibble, Dibble CM, ETC, and CR).
- b) **Preconstruction Conference Submittal Reviews and Coordination:** Dibble will review project submittals required at the Preconstruction Conference as identified in Special Provisions Section 30.03. Dibble (with support from the Dibble Team) will provide the reviews, coordination with the client, and responses.

### 3) Construction Administration Services:

- a) Weekly Construction Meetings: Dibble will prepare the weekly construction meeting agendas, facilitate the meetings, and issue meeting minutes. The CR electrical inspector will attend each weekly meeting. Either Peter Knudson (Construction Manager) or Duane Dana (Senior Project Engineer) will attend each weekly meeting. Jared Bass (Project Manager) will attend 1 weekly meeting a month as needed. The total number of weekly meetings is estimated at 11.
- b) Site Visits and Inspections: The Dibble CM and CR inspectors will perform full-time construction inspection and observation on the project, estimated at 76 working days over the 106 Calendar Day project. The Dibble CM and CR inspectors will prepare weekly construction reports of the prior week's occurrences. The Dibble Construction Manager and Senior Project Engineer will provide weekly site visits to observe the progress of the work and conformance to the contract and design documents and to ensure the continuity of the design and construction phase services, estimated at two days a week each. The Dibble Project Manager will provide two site visit days a month.  
  
Additionally, one day of these site visits will occur on the same day as the Weekly Construction Meetings for efficiency. The estimated site visit time is identified in each respective subconsultant proposal.
- c) Shop Drawing Review and Coordination: Dibble will review and provide a response to the civil construction materials and general project submittals as requested, (estimated at approximately 35 submittals). CR) will provide support for the electrical submittals. The estimated total number of submittals are 50.
- d) RFI Review and Coordination: The Dibble Team will coordinate, review and provide responses to construction and general project Requests For Information (RFI), estimated at approximately 20 RFI's (civil and electrical combined).
- e) ESI Review and Coordination: The Dibble Team will coordinate, review and develop necessary Engineering Supplemental Information (ESI) documents, additional details, or sketches as revisions to the construction specifications and/or plans. The estimated total number of ESI's are 10, (i.e. civil and electrical combined).
- f) Change Order Request Review and Coordination: Dibble will coordinate and review Contractor Change Order Requests (COR), including verification of T&M effort, project quantities as needed, estimated at approximately 10 COR's. The Dibble Team key members will be included on the reviews on an as-needed basis.
- g) DBE/SBE Compliance and Coordination: Dibble will coordinate and review all DBE/SBE efforts and documentations required for this project to be compliant with the contract documents. This review will occur with the monthly payment applications.
- h) Certified Payrolls and Interviews: Dibble will coordinate all federally required interviews for conformance with federal wage determinations and review certified payrolls weekly.

- i) 5370-1 Weekly FAA Construction Reports: Dibble will prepare and submit the weekly 5370-1 construction reports required by the FAA for this project. CR will assist with the determination of project completion and weekly effort reports.
- j) QA/QC Coordination and Reviews: Dibble, CR and ETC will coordinate and review QA/QC actions including scheduling of testing activities, inspections, reporting, review of results, and recommendations.
- k) Monthly Payment Application Coordination and Review: Dibble and CR will regularly review and track project quantities in the field and on the Contractor's As-Builts. Dibble will coordinate these inspected quantities with the contractor and coordinate prior to the submittal of monthly payment applications.

**4) Project Close-Out Activities:**

- a) Substantial Completion Walk Inspection: Dibble will conduct the substantial completion inspections/walks required on the project. The various Dibble Team members will be included on the phases pertinent to them.
- b) Final Completion Walk Inspection: Dibble will conduct the final completion inspections/walk. The various Dibble team members will be included.
- c) Punchlist(s) and Coordination(s): Dibble and CR will prepare, submit, and re-evaluate punchlists at each substantial completion and final walk, (estimated at approximately 4 separate punchlists and verifications for the entire project).
- d) Final Construction Report and Coordination: Dibble will coordinate with the Dibble Team and prepare and submit the Final Construction Report. The Dibble Team will provide technical support and review.
- e) Record Drawings: Dibble and CR will develop the Final Record Drawings based on Contractor redlines and field changes issued during construction, including RFI's/ESI's. A final submittal will include (1) CD of the electronic (PDF) version of the construction project. Dibble will review in comparison with the Contractor's Redline As-Builts and submit to the governing agencies.
- f) Final Quantities and Close-Out Change Order: Dibble will coordinate, review, and assist the Airport in the preparation of the Final Construction Change Order to FAA, ADOT and the City.
- g) Final Submittal Deliverables: the final submittal includes a Final Construction Report and Record Drawings with the deliverables as follow:
  - i) FAA: CD with all electronic files (requested)
  - ii) ADOT: all electronic (requested) files posted to the ADOT FTP site.
  - iii) City of Prescott: (1) Final Construction Report; (1) 24x36 Mylar; (3) 24x36 Bond; and (1) CD with all electronic files
  - iv) PRC: (1) Final Construction Report; (1) 24x36 Bond; (2) half-sized, scaled 11x17; (1) CD with all electronic files
  - v) ALP: (6) Full Size Copies (Color, 24x36 Bond)

**5) Planning Documents Update:**

- a) **ALP Update:** Dibble will prepare and submit Federal ALP Update documents to PRC and the FAA that incorporates the completed construction projects since the last FAA approved ALP, (March 2017).
- b) **Airport Signage and Marking Plan Update:** Dibble will prepare and submit Final Airport Signage and Marking Plans updated to reflect the newly constructed RW 3R-21L Rehabilitation project.

**6) Exclusions:**

- a) Contractor's jobsite safety and compliance with all ADOSH and OSHA requirements are excluded (Contractor's responsibility).
- b) Construction staking and/or layout services.
- c) SWPPP and other environmental action required for permitting and construction approval by the City of Prescott/Yavapai County/State of Arizona.
- d) ALCMS Screen Graphic Update, (ADB will need to be procured separately).

Firm: Dibble Engineering  
 On-Call Engineering  
 Project: PRC RW 3R-21L Rehab  
 Construction Phase Services  
 Prescott Municipal Airport  
 Date: 05/15/18



Contract Number: 2014-029  
 COP Project Number: 18604 (design)  
 Task Number: 18  
 Amendment Number: N/A  
 FAA Number: 3-04-037-039-2018  
 ADOT Number: TBD

**Fee Summary**

**A. Construction Phase Services**

	Fee	Type
1 Dibble Base Fee.....	\$222,790	T&M
2 Construction Inspection (Dibble CM).....	\$95,239	T&M
3 Quality Assurance Testing (ETC).....	\$47,460	T&M
4 Electrical CA Support Services (CR).....	\$110,600	T&M
5 Pavement Alternatives (Speedie).....	\$10,000	T&M

**Total Fee**

**\$486,089**

**Contract Total**

Dibble

\$222,790

Subconsultants

\$263,299

DBE Participation (%): 22.8%  
 Local Participation (%): 9.8%

Firm:	Dibble Engineering On-Call Engineering	Contract Number: 2014-029
PROJECT:	PRC RW 3R-21L Rehab Construction Phase Services Prescott Municipal Airport	COP Project Number: 18604 (design) Task Number: 18 Amendment Number: N/A
DATE:	5/15/2018	FAA Number: 3-04-037-039-2018 ADOT Number: TBD

**DERIVATION OF FEE PROPOSAL SUMMARY**

<b>BASIC FEE</b>				
Classification	Manhours	Direct Labor Rate	Labor Costs	
1 Project Principal	0	\$64.90	\$0.00	
2 Senior Project Manager	590	\$50.96	\$30,066.40	
3 Project Manager	249	\$47.11	\$11,730.39	
4 Senior Project Engineer	512	\$41.35	\$21,171.20	
5 Project Engineer	24	\$38.27	\$918.48	
6 Designer	192	\$28.85	\$5,539.20	
7 Assistant Engineer	0	\$26.00	\$0.00	
8 CAD Technician	0	\$26.00	\$0.00	
9 Admin Assistant	0	\$19.00	\$0.00	
<b>Total</b>	<b>1567 hrs</b>			

a. Total Labor.....		\$69,425.67
b. Overhead at.....	176.15%	\$122,293.32
c. Subtotal Labor + Overhead.....		\$191,718.99
d. Net Fee.....	10% of c.	\$19,171.90
<b>e. Total Basic Fee.....</b>	<b>( c + d ) ( rounded )</b>	<b>\$210,891.00</b>

**ALLOWANCE FOR DIRECT COSTS**

(Listed by Item at Actual Cost - NO MARKUP)

Item	Cost	
1 Mileage.....	\$ 3,177.30	T&M
2 Meals.....	\$ 1,836.00	T&M
3 Lodging.....	\$ 4,828.00	T&M
4 Printing.....	\$ 2,057.50	T&M

**f. Sub-Total Allowances for Direct Costs (rounded).....** **\$11,899.00**

**ALLOWANCE FOR ADDITIONAL COSTS, OUTSIDE SERVICES & SUBCONSULTANTS**

(Listed by Item at Actual Cost - NO MARKUP)

Firm	Cost	Method of Compensation
1 Construction Inspection (Dibble CM).....	\$ 95,239.00	T&M
2 Quality Assurance Testing (ETC).....	\$ 47,460.00	T&M
3 Electrical CA Support Services (CR).....	\$ 110,600.00	T&M
4 Pavement Alternatives (Speedie).....	\$ 10,000.00	T&M

**g. Sub-Total Allowance for Add'l Costs (rounded): .....** **\$263,299.00**

**TOTAL FEE**

**h. Total Estimated Cost to Consultant... (e. + f. + g.) ( rounded ) .....** **\$486,089.00**



Firm: Dibble Engineering  
 On-Call Engineering  
 PROJECT: PRC RW 3R-21L Rehab  
 Construction Phase Services  
 Prescott Municipal Airport  
 DATE: 5/15/2018

Contract Number: 2014-029  
 COP Project Number: 18504 (design)  
 Task Number: 18  
 Amendment Number: N/A  
 FAA Number: 3-04-037-039-2018  
 ADOT Number: TBD

ESTIMATED MANHOURS

TASK	PROJECT PRINCIPAL	CONSTRUCTION PROJECT MANAGER	PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	DESIGNER	ASSISTANT ENGINEER	CAD TECHNICIAN	ADMIN	TOTAL HOURS
<b>1 GENERAL</b>										
1a Project Management and Administration		85	75	24						184
<b>2 PRECONSTRUCTION ACTIVITIES</b>										
2a Pre-Construction Conference		6		6						12
2b Pre-Con Submittal Reviews and Coordination		36		12						48
<b>3 CONSTRUCTION ADMINISTRATION SERVICES</b>										
3a Weekly Construction Meetings		24	8	24						56
3b Site Visits and Inspections		152	50	152						354
3c Shop Drawing Review and Coordination		25	10	50						85
3d RFI Review and Coordination		32	10	20						62
3e ESI Review and Coordination		32	10	20		20				82
3f Change Order Review and Coordination		32	10	20		10				72
3g DBE/SBE Compliance and Coordination		16		8						24
3h Certified Payrolls and Interviews		52		16						68
3i 5370-1 Weekly FAA Construction Reports		4		22						26
3j QA/QC Coordination and Reviews		32		8						40
3k Monthly Payment Application Coordination and Review		22		8						30
<b>4 PROJECT CLOSE-OUT ACTIVITIES</b>										
4a Substantial Completion Walk Inspection		4		4						8
4b Final Completion Walk Inspection		4	4	4						12
4c Punchlist(s) and Coordination(s)		4		12						16
4d Final Construction Report and Coordination		8		18		4				30
4e Record Drawings		12	12	36		96				156
4f Final Quantities and Close-Out Change Order		8		12		4				24
<b>5 PLANNING DOCUMENTS UPDATE</b>										
5a ALP Update, Coordination, and Submittal			48	12	24	18				102
5b Signage and Marking Plan			12	24		40				76
<b>TOTALS</b>	<b>0</b>	<b>590</b>	<b>249</b>	<b>512</b>	<b>24</b>	<b>192</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,567</b>

Firm: Dibble Engineering On-Call Engineering	Solicitation No: 2014-029
Project: PRC RW 3R-21L Rehab Construction Phase Services Prescott Municipal Airport	Project Number: 18604 (design) Task Number: 18 Amendment Number: N/A
Date: 5/15/2018	FAA Number: 3-04-037-039-2018 ADOT Number: TBD

### Construction Administration - Direct Expenses

#### 1 MILEAGE (Mileage includes estimated travel on or around the airport during site visits) CURRENT ADOT RATE

a. 15 Trips (Construction Manager)	210 Miles	@	\$0.445 /Mile	\$1,402
b. 15 Trips (Senior Project Engineer)	210 Miles	@	\$0.445 /Mile	\$1,402
c. 4 Trips (Project Manager)	210 Miles	@	\$0.445 /Mile	\$374
<b>Subtotal</b>				<b>\$3,177</b>

#### 2 MEALS CURRENT ADOT RATE

a. 15 Trips (Construction Manager)			\$54.00 /Day	\$810
b. 15 Trips (Senior Project Engineer)			\$54.00 /Day	\$810
c. 4 Trips (Project Manager)			\$54.00 /Day	\$216
<b>Subtotal</b>				<b>\$1,836</b>

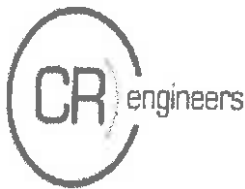
#### 3 LODGING CURRENT ADOT RATE

a. 15 Trips (Construction Manager)			\$142.00 /Day	\$2,130
b. 15 Trips (Senior Project Engineer)			\$142.00 /Day	\$2,130
c. 4 Trips (Project Manager)			\$142.00 /Day	\$568
<b>Subtotal</b>				<b>\$4,828</b>

#### 4 PRINTING (Record Drawings & Final Construction Report)

(Miscellaneous Check Printing is Included in Operational Overhead)

a. 1 Submittals of	85 sheets =	85 Sheets @	\$1.50 /sheet	\$510.00
(4 Copies Full-Size Bond Plans)				
b. 1 Submittals	85 sheets =	85 Sheets @	\$0.25 /sheet	\$42.50
(2 Copies Scaled 1/2-Size Plans)				
c. 1 Plotting	85 sheets =	85 Sheets @	\$0.50 /sheet	\$85.00
d. 1 Submittals for Constr. Report	@	800 Sheets @	\$0.50 /sheet	\$400.00
(1 copies @ 800 pages each)		(double-sided print)		
e. 1 Submittals (MYLAR 24x36)	@	85 Sheets @	\$12.00 /sheet	\$1,020.00
(1 Copies Full-Size Bond Plans)				
<b>Subtotal</b>				<b>\$2,058</b>



May 14, 2018

Dibble Engineering  
2696 S. Colorado Blvd., Ste. 585  
Denver, CO 80222

Attn.: Mr. Jared Bass, P.E.

Re: Project Name: PRC '3R-21L' rehab, Lighting and Signage and HS 2 Mitigation  
Proposal for Construction Phase Services  
CRE Proposal No.: 17060SDC

Mr. Bass,

We are pleased to present our proposal in the listed attachments below.

**Scope of Work:** See attached Exhibit A.

**Fee Proposal:** See attached Exhibit B.

This proposal will be valid for the next ninety (90) days, and we reserve the right to renegotiate it if it has not been accepted within that period. Should conditions of the work change so as to materially affect the level of effort or the time required, then equitable adjustments to fee and schedule will be made. Consultant will notify Client when a changed condition becomes apparent. Failure of Client to provide a timely and equitable adjustment is cause for termination by Consultant. The attached Terms & Conditions are a part of this proposal. Please feel free to call if you need to discuss them.

We will bill you for services rendered to date. Payment will be due within thirty (30) days of billing date.

Please do not hesitate to call if you have any questions.

Sincerely yours,

CR ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Catherine Alcorn', written over a horizontal line.

Catherine Alcorn, P.E.  
President

cc> Mr. Duane Dana

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**SCOPE OF WORK**  
**PRC '3R-21L' REHAB, LIGHTING AND SIGNAGE AND HS 2 MITIGATION –**  
**CONSTRUCTION PHASE SERVICES**

Prepared by CR Engineers, Inc.  
May 14, 2018

CR Engineers shall provide electrical construction phase services for the '3R-21L' REHAB, LIGHTING AND SIGNAGE AND HS 2 MITIGATION project at Prescott Municipal Airport.

This proposal consists of comprehensive construction phase services as outlined below and is based on reaching Substantial Completion within 76 Calendar Days and Final Completion within an additional 30 Calendar Days:

CR Engineers shall provide the following specific services for this project:

**1) Preconstruction Activities:**

- a) Preconstruction Conference: CR Engineers will be in attendance to provide technical support at the preconstruction conference.

**2) Construction Administration and Design Support Services:**

- a) Weekly Construction Meetings: CR Engineers will provide a representative at these meetings on a weekly basis.
- b) Site Visits and Inspections: CR Engineers will perform full-time daily construction inspection and observation on the electrical components of the project, estimated at 70 working days over the 76 Calendar Day project (Substantial Completion).
- c) Shop Drawing Review and Coordination: Dibble CM will review and provide a response to electrical project submittals as requested, (estimated at approximately 10 submittals).
- d) RFI Review and Coordination: CR Engineers will review and provide responses to electrical construction and technical project Requests for Information (RFI), estimated at approximately 5 RFI's .
- e) ESI Review and Coordination: CR Engineers will develop necessary Engineering Supplemental Information (ESI) documents, additional details, or sketches as revisions to the electrical construction specifications and/or plans, estimated at approximately 2 ESI's.



- f) **Monthly Payment Application Coordination and Review:** CR Engineers will regularly review and track electrical project quantities in the field and on the Contractor's As-Builts and coordinate with Dibble CM.

**3) Project Close-Out Activities:**

- a) **Substantial Completion Walk Inspection:** CR Engineers will attend the substantial completion inspections/walks required on the project estimated at (4) substantial completion inspections/walks for the various construction phases.
- b) **Final Walk Inspection:** CR Engineers will attend the final completion electrical inspections/walk estimated at (1) final completion inspection/walk.
- c) **Punchlist(s) and Coordination(s):** CR Engineers will prepare, submit, and re-evaluate electrical punchlists at each substantial completion and final walk.
- d) **Final Construction Report and Coordination:** CR Engineers will provide electrical technical support and review of the Final Construction Report.
- e) **Record Drawings:** CR will develop the final Electrical Record Drawings based on Contractor redlines and field changes issued during construction, including RFI's/ESI's.
- f) **Update Airfield Signing and Marking Plans:** CR will update PRC's master Airfield Signing and Marking Plans upon construction completion.

*Exhibit B - CR Engineering, Inc.  
See Proposal Summary*

City Project No.: 18604  
Project Name: PRC '3R-21L' Rehab, Lighting and Signage and HS 2 Mitigation - Construction I  
Date: 14-May-18  
CRE Project Number: 17060SDC

**FEES**

Overhead Rate: 150 %  
Profit Margin: 10 %

*1.0 Services During Construction Fees* \$93,792

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**Total Fees** \$93,792

**ESTIMATED EXPENSES AND ALLOWANCES**

*Auto mileage (\$0.445/mile)* \$3,088

*Lodging (\$142/night per room)* \$9,940

*Meals (\$54/day per person)* \$3,780

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**Total estimated expenses** \$16,808

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**GRAND TOTAL** \$110,600

City Project No.: 18604

Project Name: PRC '3R-21L' Rehab, Lighting and Signage and HS 2 Mitigation - Construction Phase Ser

Date: 14-May-18

CRE Project Number: 17060SDC

Task Description	Quantity	Project Manager, PE	Senior Designer	Sen. Field Inspector	CADD Designer	Project Assistant	Total Hours
1.1 Phase I - Preconstruction							
1.1.1 Preconstruction Conference		7.0		7.0			14.0
1.2 Phase II - Construction							
1.2.1 Weekly Meetings							
1.2.2 Site Inspections				816.0			816.0
1.2.3 Submittal/Shop Dwg Review	10	10.0		32.0		10.0	52.0
1.2.4 RFI Responses	5	5.0		15.0		5.0	25.0
1.2.5 ESI Preparation	2	4.0		8.0	6.0		18.0
1.2.6 Pay App Review				24.0			24.0
1.3 Phase III - Postconstruction							
1.3.1 Substantial Completion Inspection	4			32.0			32.0
1.3.2 Punch List Preparation				16.0			16.0
1.3.3 Final Inspection				8.0			8.0
1.3.4 Update Airport Signage and Marking Plan		4.0		8.0			12.0
1.3.5 Final Review of As-Builts / Record Drawings		4.0		12.0	16.0		32.0
<b>1.0 Totals</b>		<b>34.0</b>	<b>0.0</b>	<b>978.0</b>	<b>34.0</b>	<b>15.0</b>	<b>1061.0</b>

Overhead Rate 150 %

Profit Margin 10 %

Labor Rates Per Hour:	\$53.44	\$32.21	\$31.84	\$26.21	\$17.23
Direct Labor:	\$1,817	\$0	\$31,140	\$891	\$258
Overhead:	\$2,725	\$0	\$46,709	\$1,337	\$388
Overhead + Direct Lab:	\$4,542	\$0	\$77,849	\$2,228	\$646
(OH + Direct) x Profit:	\$454	\$0	\$7,785	\$223	\$65
<b>1.0 Total Fees</b>	<b>\$4,997</b>	<b>\$0</b>	<b>\$85,634</b>	<b>\$2,451</b>	<b>\$711</b>



May 15, 2018

Dibble Engineering  
7800 N. 16<sup>th</sup> Street, Ste. 300  
Phoenix, AZ 85020

Attn: Mr. Peter Knudsen

Re: Prescott Municipal Airport  
RW 3R-21L Rehabilitation, Lighting and Signage, Hot Spot No. 2 Mitigation  
Proposal for Inspection Services

Dear Mr. Knudsen

Dibble CM is pleased to provide this proposal for inspection services for this project as described below:

**Pre-Construction Services**

There are no pre-construction services included in this proposal.

**Construction Inspection Services**

1. Furnish one qualified field technician daily for the purposes of providing construction inspection and surveillance of the contractor's work during normal scheduled construction operations. Prepare a written daily report of activities and observations.
2. Maintain files and documentation of information related to the project including field correspondence, inspection reports, test reports, and project photos.
3. Verify and document quantities of work completed daily.
4. Monitor the progress of construction in relation to the current project schedule. Analyze the contractor's 3-week schedule updates to confirm conformance with the overall schedule. Review schedule recovery plans and revised schedules when needed. Review and provide comments to schedule updates submitted by the Contractor.
5. Review contractor's red-lined as-built drawings to verify accuracy with actual field conditions and completed improvements.
6. Review monthly contractor's pay requests and provide comments to the Engineer.
7. Provide field coordination of Quality Assurance material testing, review test results, and notify the Engineer and contractor of deficiencies in the work when necessary.

**Project Close-Out Services**

Dibble CM will provide the following services:

1. Schedule and conduct a pre-final walk-through with the Contractor and Engineer and prepare a punch list for the Contractor's use prior to the final project walk-through.
2. Conduct a final project walk-through with the Contractor, Engineer, and Owner when appropriate.
3. Review Contractor request for final payment, verify final quantities, and make recommendation to the Engineer Owner for final payment.
4. Review Contractor final red line drawings for overall accuracy with respect to project conditions and completed improvements.





**Proposed Fee Schedule**

Summary of proposed fees are below. Detailed breakout is on Exhibit "B", attached:

Construction Inspector	\$	76,800.00
Direct Expenses	\$	<u>18,439.00</u>
Total	\$	95,239.00

Thank you for the opportunity to submit our construction administration and inspection services proposal for this project.

Sincerely,

KC Brandon  
President  
Dibble CM

Client: Dibble Engineering  
 Contact: Peter Knudsen  
 Project: Prescott Municipal Airport

**EXHIBIT "B"**  
**Fee Proposal**

**Dibble CM Staff Hours and Fee By Task**

Task No.	Task	Contract Billing Rate		Project Manager	Const. Inspector	Total Task Hours	Total Task Fee
			\$ 180.00		\$ 120.00		
<b>1</b>	<b>Construction Inspection Services</b>						
1.1	Construction Inspection				240	240	\$ 28,800
1.2	Project documentation				180	180	\$ 21,600
1.3	Quantity verification				80	80	\$ 9,600
1.4	Schedule tracking				24	24	\$ 2,880
1.5	As-built drawing review				30	30	\$ 3,600
1.6	Pay application review				20	20	\$ 2,400
1.7	Quality Assurance coordination				30	30	\$ 3,600
<b>2</b>	<b>Project Close Out Services</b>						
2.1	Pre-final walk through and punch list				20	20	\$ 2,400
2.2	Final walk through				8	8	\$ 960
2.3	Final pay application review				4	4	\$ 480
2.4	Review Contractor Red Line Drawings				4	4	\$ 480
	<b>Total Hours</b>					<b>640</b>	
	<b>Total Fee</b>	\$ -	\$ -	\$ -	\$ 76,800		\$ 76,800

**Subconsultants**

	Unit	Cost/Unit	No. of Units	Total
N/A				\$ -
<b>Subtotal, Subconsultants</b>				\$ -

**Direct Expenses**

	Unit	Cost/Unit	No. of Units	Total
Mileage	Miles	\$ 0.445	6200	\$ 2,759.00
Lodging	Day	\$ 142	80	\$ 11,360.00
Meals	Day	\$ 54	80	\$ 4,320.00
<b>Subtotal, Direct Costs</b>				\$ 18,439.00

**Fee Summary**

	Fee
Dibble CM Labor	\$ 76,800
Subconsultants	\$ -
Direct Expenses	\$ 18,439
<b>TOTAL FEE</b>	<b>\$ 95,239.00</b>

Overtime for weeks worked over 40 hours will be charged at 1.5 times the contract billing rate.  
 Any overtime must be approved in advance by the Client.



May 14, 2018

Peter W. Knudson, PE  
Dibble Engineering  
7878 North 16th Street, Suite 300  
Phoenix, AZ 85020

**RE: Proposal for Post Design Services  
PRC Runway Rehab/Modify Taxiway E  
Ruger Road and AZ 89  
Prescott, AZ  
Proposal No. 62005 S2**

Dear Mr. Knudson:

Speedie & Associates, Inc. look forward to continuing our relationship with Dibble Engineering in helping your team improve Ernest A. Love Field/Prescott Municipal Airport in Prescott, Arizona. In response to the request for proposal, we hereby provide our cost proposal to provide post design services in support of your construction administration services.

All work on this project will be carried out by our forces located either in our Phoenix or Flagstaff offices under the overall supervision of Gregg A. Creaser, P.E., who is the President of the firm and a registered Professional Engineer in the state of Arizona. The following is a list of the primary personnel that will be assigned to work on or support this project. All personnel will be made available on an as-needed basis to complete this project on time and respond to questions throughout the design.

***Geotechnical/Material Engineering Support Services***

Gregg A. Creaser, P.E. – Principal in Charge/Project Manager – Geotechnical Services  
Don Cornelison, P.E. - Principal in Charge/Pavement Materials  
Jason Wells, P.E - Principal in Charge/Construction Materials Testing Services.  
Clay W. Spencer, R.G. – Northern Arizona Regional Manager

**SCOPE/FEE**

We understand that the main portion of this project consists of Mill and Overlay Runway 3R-21L (design by others), demo Taxiway C2, regrade infield area to meet FAA standards and modify Taxiway E for Group III turning movement for which this scope of work will address. It is anticipated that the pavement will be constructed using asphalt concrete.

We will be available as needed on request by Dibble to answer Requests for Information (RFI), review of material mix designs, and assist with any field challenges that may arise. Charges for our services will be billed on a time and materials basis determined on the basis of our Prescott Municipal Airport On-Call Contract.

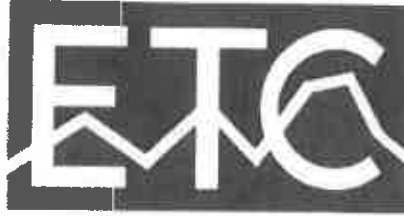
**Not to Exceed Fee \$ 10,000.00**

We appreciate the opportunity to submit this proposal for your consideration. If the terms set forth are satisfactory, please attach this proposal to your standard contract for professional services.

Respectfully submitted,  
SPEEDIE & ASSOCIATES, INC.



Gregg A. Creaser, P.E.  
President



**ENGINEERING & TESTING CONSULTANTS INC.**

May 15, 2018

Mr. Peter W Knudsen, P.E., Senior Project Manager  
Dibble Engineering  
7878 North 16<sup>th</sup> Street, Suite 300  
Phoenix, AZ 85020

**SUBJECT: PROPOSAL FOR QUALITY ASSURANCE SERVICES FOR PRESCOTT AIRPORT, RW 3R-21L REHABILITATION, PRESCOTT, AZ**

Dear Mr. Knudsen:

Engineering & Testing Consultants, Inc., (ETC) is pleased to present this cost proposal to provide a Quality Assurance Testing during construction. A brief description and cost estimates are provided below.

**Quality Assurance Testing**

ETC will perform quality assurance testing during construction to assure contractor compliance with project specifications. ETC will provide on-call testing of P-152 Excavation, subgrade, and embankment, P-153 Controlled low strength material, P-209 Aggregate base course, P-401 Hot mix asphalt concrete, P-403 Hot mix asphalt concrete, P-610 Portland cement structural concrete, and other testing, as needed. ETC's laboratory facilities are fully accredited in AMRL, CCRL, and ADOT testing procedures.

ETC will provide the Quality Assurance Testing for an estimated fee of \$47,460.00, as outlined below.

P-152 Excavation, subgrade, and embankment	\$2,450.00
P-153 Controlled low strength material	\$2,010.00
P-209 Aggregate base course	\$3,970.00
P-401 Hot mix asphalt concrete	\$33,580.00
P-403 Hot mix asphalt concrete	\$2,260.00
P-610 Portland cement structural concrete	\$3,190.00
Estimated Total	\$47,460.00

**GEOTECHNICAL ENGINEERING • SOILS & MATERIALS TESTING • SPECIAL INSPECTION**

**417 NORTH ARIZONA AVENUE • PRESCOTT, ARIZONA 86301  
928-778-9001 • FAX 928-778-4866**



Mr. Peter Knudsen, PE – Dibble Engineering  
Geotechnical Engineering – Prescott Airport, RW 3R-21L Rehabilitation, Prescott, AZ  
May 15, 2018  
Page 2 of 2

Thank you for the opportunity to provide these cost proposals to you for this upcoming project. If you have any questions, please advise.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard G. Kelley', is positioned below the word 'Sincerely,'.

Richard G. Kelley, P.E.  
Project Manager

Attachments: Q.A. Cost Estimates