



ADDENDUM NO. 5

PROJECT TITLE: Rehabilitate Taxiway B & B4

DATE: August 5, 2016

This addendum shall be included in, and be considered a part of the plans and specification for the above named project.

Addendum No. 5 is issued to notify you of the revisions and/or corrections to the following items that were posted on the City of Coolidge website (coolidgeaz.com/bidpackage).

Begin Addendum No. 5

Prospective bidders and interested parties are hereby directed to make the following changes to the plans and specifications for the above referenced project. This addendum shall be affixed to the contract documents and the signature of the receiving party shall be placed on page 'B – 1' of the specifications.

- I. BIDDER INFORMATION – INSTRUCTIONS TO BIDDERS:
Remove page I-8 of the Instructions to Bidders and replace with page I-8 (attached).
- II. DIVISION I – BIDDING REQUIREMENTS AND AGREEMENT DOCUMENTS: Remove pages B-4, B-7, and B-8 of the Bid Proposal and replace with pages B-4, B-7, and B-8 (attached).
- III. DIVISION I – BIDDING REQUIREMENTS AND AGREEMENT DOCUMENTS.
Construction Contract:
Remove pages CC-2 and CC-3 of the Construction Contract and replace with pages CC-2 and CC-3 (attached).
- IV. Special Provisions, ITEM M-002 ENGINEER'S FIELD OFFICE AND CURING FACILITIES:
Remove page M-002-2 and replace with page M-002-2 (attached).
- V. Drawings: **Remove** the following plan sheets and **Replace** with the attached sheets:

<u>Sheet Number</u>	<u>Title Description</u>
C1.3	PROJECT QUANTITIES
E5.2	ELECTRICAL DEMOLITION PLAN



VI. Questions:

The following questions were received on or before the deadline of August 4, 2016.

Q: Is the intention of Bid Alternate 1B to provide both Lit and Unlit Taxiway components?

A: The only lit components on B bid packages are the airfield signs, these signs will not be installed as lit but will act as retroreflective signs until a lighted taxiway is installed at a future date.

Q: Reference Electrical demo sheets (E5.1 thru E5.2) – Base Bid and Alternate cut off lines are not shown making it hard to accurately quantify the items?

A: The break point between alternates and base bid is now shown on sheet E5.2 as part of Addendum # 5.

Q: The electronic version of the bid form provided in Addendum #3 is locked for editing. Could you provide a form that includes all six bid schedules?

A: All bid schedules are included in the excel file as separate tabs at the bottom of the spreadsheet.

Q: Can all of the brush and tree removal from the clearing and grubbing be placed in the stockpile location?

A: Yes, the material generated from clear and grub operations may be placed in the stockpile area.

Q: It appeared there was concern from some that we may encounter some buried concrete or trash during excavation. Was there any subsurface investigating done to confirm this? Would this be a changed condition in the field?

A: There was a small area of surface refuse and construction debris previously located near the project area that has been removed. The geotechnical investigation for the design of this project conducted one boring near the former debris area and did not encounter any subsurface refuse. Miscellaneous debris removal would be covered under Item P-152, Excavation, Subgrade, and Embankment. If material is encountered during grading operations that is considered hazardous or unsuitable for placement at the stockpile location, removal would either be through a change order or done separately from this contract.

End Addendum No. 5





- 13.8 Each party to a joint venture that submits a Bid shall execute the Bid in the manner indicated on the Bid form. The official address of the joint venture must be shown below the signature.
- 13.9 All names shall be typed or printed in ink below the signatures.
- 13.10 The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Proposal form.
- 13.11 The address and telephone number for communications regarding the Bid shall be shown.
- 13.12 The Bid shall contain evidence of Bidder's authority and qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the Contract. Bidder's state contractor license number for the state of the Project, if any, shall also be shown on the Bid form.
- 13.13 No oral, telegraphic, faxed or telephone proposal or modifications shall be considered.
- 13.14 Submitted bid prices are to include any and all local and state sales taxes, irrespective of any potential tax credits as outlined in Section 3.7 of the General Conditions. Applicable sales taxes are to be applied to the submitted bid in accordance with the Bid Proposal form included with the Contract Documents.

ARTICLE 14 - BASIS OF BID; EVALUATION OF BIDS

14.1 *Unit Price.*

- A. Bidders shall submit a Bid on a unit price basis for each item of work listed in the Bid Proposal. **The unit price is to be the same for each item with the same bid item description that is listed in the Base Bid A & B and Alternates No. 1A, 1B, 2A, 2B, except for items with a 'Lump Sum' or 'LS' method of measurement or payment.**
- B. The total of all estimated prices will be determined as the sum of the products of the estimated quantity of each item and the unit price Bid for the item. The final quantities and Contract Price will be determined in accordance with these Contract Documents.
- C. Discrepancies between the multiplication of units of work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

14.2.0 The Bid price shall include such amounts, as the Bidder deems proper for **applicable taxes**, overhead, profit, bond and insurance on the cash allowance bid item, if any, named in the Contract Documents.

14.3 The Bidder must bid the entire project (Base Bid A & B, Alternate No. 1 A & B, and Alternate No. 2 A & B respectively). The bid schedules are established to allocate costs to the separate construction components to allow tracking of costs against the Sponsor's grant amounts. As such, lump-sum bid items (Mobilization, Contractor Quality Control, Location of Underground Utilities, etc.) should include costs relevant to the specific scope of work included in that schedule for that bid item. **The Bidder must bid a common unit price on items with the same bid item description that is listed in the Base Bid A & B and Alternates No. 1A, 1B, 2A, 2B, except for items with a 'Lump Sum' or 'LS' method of measurement or payment.**

The OWNER reserves the right to award the contract based on the lowest responsible total Bid for either the Base Bid A or B plus the Alternate No. 1A or No. 1B or No. 2A or No. 2B bid.



BID SCHEDULE – BASE BID B

Base Bid B					Unit Price	Amount
Item No.	Specification Number	Bid Item Description	Quantity	Unit		
1	P-100-3.1	Contractor Quality Control	1	LS		
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS		
3	P-101-6.3	Sawcut Existing AC Pavement	240	LF		
4	P-101-6.2	Sawcut Existing PCC Pavement	0	LF		
5	P-101-6.1	Bituminous Pavement Removal (5 In. Depth)	10,000	SY		
6	P-152-4.1	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	6,700	CY		
7	P-151-4.2	Clearing and Grubbing	11	AC		
8	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	5,900	SY		
9	P-155-8.2	Lime	120	TONS		
10	P-156-5.1	Storm Water Pollution Prevention	1	LS		
11	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	3,500	SY		
12	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	260	CY		
13	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	270	TONS		
14	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	790	TONS		
15	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder & Service)	0	SY		
16	P-620-5.1-1	Pavement Markings (Yellow)	2,205	SF		
17	P-620-5.1-2	Pavement Markings (Black)	630	SF		
18	P-620-5.1-3	Pavement Markings (White)	189	SF		
19	D-100-1.4	Drywell	3	EA		
20	M-002-4.1	Field Office and Curing Facilities	1	LS		
21	GP-120.1	Airside Safety and Security / Traffic Control	1	LS		
22	L-100-5.1	Electrical Demolition	1	LS		
23	L-100-5.2	Remove and Re-install Runway End Light	2	EA		
24	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	250	LF		
25	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	0	LF		
26	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	225	LF		
27	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	550	LF		
28	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	4	EA		
29	L-853-4.1	New L-853 Stake Mounted Retroreflective Marker	25	EA		
30	L-858-5.3	Unit 2-Module, Size 1 Airfield Sign with Concrete Base	3	EA		
31	L-858-5.4	Unit 3-Module, Size 1 Airfield Sign with Concrete Base	1	EA		
32	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	2	EA		
33	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	1	EA		
					Total	

TOTAL BASE BID B AMOUNT (IN NUMBERS):

\$ _____

TOTAL BASE BID B AMOUNT (IN WORDS):



BID SCHEDULE – ALTERNATE 2A

Alternate 2A					Unit Price	Amount
Item No.	Specification Number	Bid Item Description	Quantity	Unit		
1	P-100-3.1	Contractor Quality Control	1	LS		
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS		
3	P-104.2	Sawcut Existing PCC Pavement	250	LF		
4	P-152-4.1	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	10,050	CY		
5	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	9,900	SY		
6	P-155-8.2	Lime	210	TONS		
7	P-156-5.1	Storm Water Pollution Prevention	1	LS		
8	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	6,100	SY		
9	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	400	CY		
10	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	500	TONS		
11	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	1,400	TONS		
12	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder & Service)	400	SY		
13	P-620-5.1-1	Pavement Markings (Yellow)	4,200	SF		
14	P-620-5.1-2	Pavement Markings (Black)	1,890	SF		
15	P-620-5.1-3	Pavement Markings (White)	0	SF		
16	D-100-1.4	Drywell	5	EA		
17	D-100.2	Adjust Existing Sanitary Sewer Structure	1	EA		
18	M-002-4.1	Field Office and Curing Facilities	1	LS		
19	GP-120.1	Airside Safety and Security / Traffic Control	1	LS		
20	L-100-5.1	Electrical Demolition	1	LS		
21	L-100-5.2	Remove and Re-install Runway End Light	0	EA		
22	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	0	LF		
23	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	2,750	LF		
24	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	0	LF		
25	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	900	LF		
26	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	3	EA		
27	L-858-5.2	2-Module, Size 1 Airfield Sign with Concrete Base	1	EA		
28	L-858-5.2	3-Module, Size 1 Airfield Sign with Concrete Base	4	EA		
29	L-861T-5.1	New L-861T(L) Elevated Taxiway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit	45	EA		
30	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	45	EA		
31	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	0	EA		
					Total	

**TOTAL ALTERNATE 2A AMOUNT
(IN NUMBERS):**

\$ _____

TOTAL ALTERNATE 2A AMOUNT (IN WORDS):



BID SCHEDULE – ALTERNATE 2B

Alternate 2B						Unit Price	Amount
Item No.	Specification Number	Bid Item Description	Quantity	Unit			
1	P-100-3.1	Contractor Quality Control	1	LS			
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS			
3	P-152	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	10,100	CY			
4	P-104.2	Sawcut Existing PCC Pavement	250	LF			
5	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	9,900	SY			
6	P-155-8.2	Lime	210	TONS			
7	P-156-5.1	Storm Water Pollution Prevention	1	LS			
8	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	6,100	SY			
9	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	400	CY			
10	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	500	TONS			
11	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	1,400	TONS			
12	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder)	400	SY			
13	P-620-5.1-1	Pavement Markings (Yellow)	4,200	SF			
14	P-620-5.1-2	Pavement Markings (Black)	1,890	SF			
15	P-620-5.1-3	Pavement Markings (White)	0	SF			
16	D-100-1.4	Drywell	5	EA			
17	D-100.2	Adjust Existing Sanitary Sewer Structure	1	EA			
18	M-002-4.1	Field Office and Curing Facilities	1	LS			
19	GP-120.1	Airside Safety and Security / Traffic Control	1	LS			
20	L-100-5.1	Electrical Demolition	1	LS			
21	L-100-5.2	Remove and Re-install Runway End Light	0	EA			
22	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	0	LF			
23	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	0	LF			
24	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	0	LF			
25	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	900	LF			
26	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	7	EA			
27	L-853-4.1	New L-853 State Mounted Retroreflective Marker	45	EA			
28	L-858-5.2	2-Module, Size 1 Airfield Sign with Concrete Base	1	EA			
29	L-858-5.2	3-Module, Size 1 Airfield Sign with Concrete Base	4	EA			
30	L-861T-5.1	New L-861T(L) Elevated Taxiway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit	0	EA			
31	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	0	EA			
32	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	0	EA			
Total							

**TOTAL ALTERNATE 2B AMOUNT
(IN NUMBERS):**

\$ _____

TOTAL ALTERNATE 2B AMOUNT (IN WORDS):



F. WORK TO BE PERFORMED:

The intent of this project is the reconstruction of Taxiway B and B4 as presented on the plans and specifications. Taxiways B and B4 currently consist of a 50 ft. wide, asphalt taxiway with unpaved shoulders that intersects Runway 5-23 at a 45°. This project involves the removal of the existing pavement, the regrading of the area, the construction of new taxiway pavement and shoulders along a revised alignment, the application of pavement markings, and the installation of new taxiway lighting and signs or reflectors.

The Base Bid is not a stand-alone project and either Alternate 1 or Alternate 2 be included in the award. Alternate 1 includes the construction of Taxiway B3, Taxiway B4, and Taxiway B between Taxiways B3 and B4. Alternate 2 includes the construction of Taxiway B2, Taxiway B3, Taxiway B4, and Taxiway B between Taxiways B2 and B4.

G. RECITALS:

The Owner intends to construct the Rehabilitate Taxiway B & B4 Project with structures, utilities, service roads, and other items as necessary for the full and efficient use of the project in connection with Coolidge Municipal Airport located in Coolidge, Arizona. The Owner desires to contract for certain construction services and materials, and the Contractor desires to provide construction services and materials.

NOW, THEREFORE, intending to be legally bound and for valuable consideration, the receipt and sufficiency of which are acknowledged, the Owner and Contractor agree as follows:

H. AGREEMENTS:

ARTICLE 1 THE CONTRACT

The Contract consists of (1) this Construction Contract, (2) the General Conditions to the Construction Contract, (3) FAA Assurances, (4) General Provisions, (5) Drawings, Technical Specifications and other documents or amendments referenced in Article 7 of the Construction Contract, and (6) any amendments or modifications to the foregoing documents, including (a) a written amendment signed by both parties, (b) a Change Order, (c) a Change Directive, (d) Supplementary Instructions, or (e) a written order for a minor change in the work (collectively the "Contract").

ARTICLE 2 THE WORK

The Contractor shall execute the entire work described in the Contract and all work reasonably inferable as necessary to produce the results intended by the Contract.

ARTICLE 3 CONTRACT TIME

3.1 The Contractor and Owner recognize that time is of the essence of this Agreement and that Owner will suffer financial loss if the work is not Partially Accepted, Substantially Completed or Finally Completed within the times specified below.

3.2 The Contractor shall achieve Substantial Completion (as defined in Section 9.8.1 of the General Conditions of the Construction Contract and evidenced by a Certificate of Substantial Completion), no later than a **Total of 95 Calendar Days** from the date of issuance of the Notice to Proceed. See the following Substantial Completion for Phase 1 and 2 schedule times based on the award of the Base Bid A or B and either Alternate 1 A or B, or Alternate 2 A or B:



3.2.1 Rehabilitate Taxiway B & B4 (Base Bid (A or B) & Alternate 1 (A or B))

- a. Substantial Completion of Phase 1 55 Calendar Days
- b. Substantial Completion of Phase 2 (Work in Runway 5-23 Safety Area)..... 21 Calendar Days

3.2.2 Rehabilitate Taxiway B & B4 (Base Bid (A or B) & Alternate 2 (A or B))

- a. Substantial Completion of Phase 1 74 Calendar Days
- b. Substantial Completion of Phase 2 (Work in Runway 5-23 Safety Area)..... 21 Calendar Days

3.3 Final Completion of the work shall occur not more than thirty (30) calendar days after the Substantial Completion date.

3.4 The parties acknowledge and agree that it would be extremely difficult and impracticable to ascertain the damages that the Owner would incur should the Contractor fail to achieve, (1) Substantial Completion of the work by the milestone completion date(s), or (2) Final Completion of the work, as specified in this Article 3. Accordingly, if the Contractor fails to achieve (1) Partial Acceptance, (2) Substantial Completion, or (3) Final Completion of the work as specified in this Article 3, the Contractor shall be liable for and shall pay to the Owner liquidated damages for each calendar day of delay until the Contractor achieves (1) Partial Acceptance, (2) Substantial Completion, or (3) Final Completion of the work as the case may be. The liquidated damages shall be as follows:

a. Substantial Completion

- i. Substantial Completion of Phase 1\$500 per Day
- ii. Substantial Completion of Phase 2\$1,500 per Day
(The start/finish of Phase 2 must be coordinated and approved by the airport)

b. Final Completion within 30 Calendar Days of Substantial Completion\$1,000 per Day

Whether the Owner assesses liquidated damages or not for the Contractor's failure to achieve Substantial Completion or Final Completion of the work, the Owner shall have the right to retain any liquidated damages from payments due Contractor.

ARTICLE 4 CONTRACT SUM

4.1 The Owner shall pay the Contractor in current funds for the Contractor's performance of the Contract the Contract Sum of _____ Dollars (\$_____), subject to the additions and deductions as provided in the Contract.

4.2 Unit prices are set forth in the Bid Proposal attached hereto as Schedule I and II in Exhibit A. The unit prices include (1) all materials, equipment, labor, delivery, installation, overhead, profit, taxes, bond, insurance, and commissions, and (2) any other costs or expenses in connection with or incidental to the performance of that portion of the work to which such unit prices apply.

ARTICLE 5 PROGRESS PAYMENTS

Progress payments will be made in accordance with Article 9 of the *General Conditions* to the Construction Contract.

ARTICLE 6 FINAL PAYMENT

Final payment will be made in accordance with Article 9 of the *General Conditions* to the Construction Contract.



TABLE 1 - Required Equipment and Furniture

Quantity	Description of Item or Items
2	Desks (2.5-feet by 5-feet) with armed swivel desk chairs.
1	Three shelf bookcases (each shelf to accommodate at least 12" high binders).
1	Four-drawer legal file cabinet.
4	Folding padded chairs.
4	Folding Tables (2.5-feet by 5-feet).
1	high speed internet connection.
1	Equipment cabinets with lock (36-inches wide by 72-inches tall by 15-inches deep minimum).
1	Carbon dioxide fire extinguisher (as required by code for office and computers).
1	First aid kit (as required by code).
3	Smoke detectors (as required by code).
1	Electric water cooler hot and cold dispenser with water and cups supplied as needed.
2	Trash cans (1.2 cubic feet minimum capacity).
1	Dry erase board, 3-feet by 4-feet (with one set of four colored markers, eraser, and cleaner).
1	Microwave oven.
2	Pole mounted fixture, 1,000W, with photocell control for parking lot lighting security.
2	Straightedges (one 12-foot straightedge and one 16-foot straightedge).
As Needed	Cubed or crushed ice for inspection and testing staff for continuous usage.

The field office building, equipment, materials and furnishings, shall remain fully operational and maintained on the job site until thirty (30) calendar days after final acceptance, unless released at an earlier date by the Engineer.

The Contractor shall provide continuous maintenance and refuse removal. Weekly cleaning and janitorial services shall be provided, except that sanitary facilities shall be cleaned daily. In addition to office supplies stated herein, the Contractor shall provide soap, paper towels, cleansers, and sanitary supplies to maintain a functional field office for the duration of the contract.

002-2.2 CONCRETE CURING AND TESTING FACILITY. A curing facility is not required for this project.

002-2.3 TEMPORARY UTILITIES. The Contractor shall make all arrangements, obtain any necessary permits, install utilities and pay for all installation fees and all monthly billings for the following utilities for the Field:

SUMMARY OF QUANTITIES

IFB Quantities
Base Bid A

Item No.	Specification Number	Bid Item Description	Quantity	Unit
1	P-100-3.1	Contractor Quality Control	1	LS
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS
3	P-101-6.3	Sawcut Existing AC Pavement	240	LF
4	P-101-6.2	Sawcut Existing PCC Pavement	0	LF
5	P-101-6.1	Bituminous Pavement Removal (5 in. Depth)	10,000	SY
6	P-152-4.1	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	6,700	CY
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8	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	5,900	SY
9	P-155-8.2	Lime	120	TONS
10	P-156-5.1	Storm Water Pollution Prevention	1	LS
11	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	3,500	SY
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15	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder & Service)	0	SY
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33	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	1	EA

IFB Quantities
Alternate 1A

Item No.	Specification Number	Bid Item Description	Quantity	Unit
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3	P-104.2	Sawcut Existing PCC Pavement	480	LF
4	P-152-4.1	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	5,050	CY
5	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	5,300	SY
6	P-155-8.2	Lime	110	TONS
7	P-156-5.1	Storm Water Pollution Prevention	1	LS
8	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	3,100	SY
9	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	300	CY
10	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	300	TONS
11	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	700	TONS
12	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder)	100	SY
13	P-620-5.1-1	Pavement Markings (Yellow)	1,890	SF
14	P-620-5.1-2	Pavement Markings (Black)	630	SF
15	P-620-5.1-3	Pavement Markings (White)	0	SF
16	D-100-1.4	Drywell	3	EA
17	M-002-4.1	Field Office and Curing Facilities	1	LS
18	GP-120.1	Airside Safety and Security / Traffic Control	1	LS
19	L-100-5.1	Electrical Demolition	1	LS
20	L-100-5.2	Remove and Re-install Runway End Light	0	EA
21	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	0	LF
22	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	1,300	LF
23	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	0	LF
24	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	250	LF
25	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	1	EA
26	L-858-5.2	2-Module, Size 1 Airfield Sign with Concrete Base	0	EA
27	L-858-5.2	3-Module, Size 1 Airfield Sign with Concrete Base	2	EA
28	L-861T-5.1	New L-861T(L) Elevated Taxiway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit	23	EA
29	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	23	EA
30	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	0	EA

IFB Quantities
Alternate 2A

Item No.	Specification Number	Bid Item Description	Quantity	Unit
1	P-100-3.1	Contractor Quality Control	1	LS
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS
3	P-104.2	Sawcut Existing PCC Pavement	250	LF
4	P-152-4.1	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	10,050	CY
5	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	9,900	SY
6	P-155-8.2	Lime	210	TONS
7	P-156-5.1	Storm Water Pollution Prevention	1	LS
8	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	6,100	SY
9	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	400	CY
10	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	500	TONS
11	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	1,400	TONS
12	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder & Service)	400	SY
13	P-620-5.1-1	Pavement Markings (Yellow)	4,200	SF
14	P-620-5.1-2	Pavement Markings (Black)	1,890	SF
15	P-620-5.1-3	Pavement Markings (White)	0	SF
16	D-100-1.4	Drywell	3	EA
17	D-100.2	Adjust Existing Sanitary Sewer Structure	1	EA
18	M-002-4.1	Field Office and Curing Facilities	1	LS
19	GP-120.1	Airside Safety and Security / Traffic Control	1	LS
20	L-100-5.1	Electrical Demolition	1	LS
21	L-100-5.2	Remove and Re-install Runway End Light	0	EA
22	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	0	LF
23	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	2,750	LF
24	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	0	LF
25	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	900	LF
26	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	3	EA
27	L-858-5.2	2-Module, Size 1 Airfield Sign with Concrete Base	1	EA
28	L-858-5.2	3-Module, Size 1 Airfield Sign with Concrete Base	4	EA
29	L-861T-5.1	New L-861T(L) Elevated Taxiway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit	45	EA
30	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	45	EA
31	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	0	EA

IFB Quantities
Base Bid B

Item No.	Specification Number	Bid Item Description	Quantity	Unit
1	P-100-3.1	Contractor Quality Control	1	LS
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS
3	P-101-6.3	Sawcut Existing AC Pavement	240	LF
4	P-101-6.2	Sawcut Existing PCC Pavement	0	LF
5	P-101-6.1	Bituminous Pavement Removal (5 in. Depth)	10,000	SY
6	P-152-4.1	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	6,700	CY
7	P-151-4.2	Clearing and Grubbing	11	AC
8	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	5,900	SY
9	P-155-8.2	Lime	120	TONS
10	P-156-5.1	Storm Water Pollution Prevention	1	LS
11	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	3,500	SY
12	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	260	CY
13	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	270	TONS
14	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	790	TONS
15	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder & Service)	0	SY
16	P-620-5.1-1	Pavement Markings (Yellow)	2,205	SF
17	P-620-5.1-2	Pavement Markings (Black)	630	SF
18	P-620-5.1-3	Pavement Markings (White)	189	SF
19	D-100-1.4	Drywell	3	EA
20	M-002-4.1	Field Office and Curing Facilities	1	LS
21	GP-120.1	Airside Safety and Security / Traffic Control	1	LS
22	L-100-5.1	Electrical Demolition	1	LS
23	L-100-5.2	Remove and Re-install Runway End Light	2	EA
24	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	250	LF
25	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	0	LF
26	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	225	LF
27	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	550	LF
28	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	4	EA
29	L-853-4.1	New L-853 Stake Mounted Retroreflective Marker	25	EA
30	L-858-5.3	Unlit 2-Module, Size 1 Airfield Sign with Concrete Base	3	EA
31	L-858-5.4	Unlit 3-Module, Size 1 Airfield Sign with Concrete Base	1	EA
32	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	2	EA
33	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	1	EA

IFB Quantities
Alternate 1B

Item No.	Specification Number	Bid Item Description	Quantity	Unit
1	P-100-3.1	Contractor Quality Control	1	LS
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS
3	P-104.2	Sawcut Existing PCC Pavement	480	LF
4	P-152-4.1	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	5,050	CY
5	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	5,300	SY
6	P-155-8.2	Lime	110	TONS
7	P-156-5.1	Storm Water Pollution Prevention	1	LS
8	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	3,100	SY
9	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	300	CY
10	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	300	TONS
11	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	700	TONS
12	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder)	100	SY
13	P-620-5.1-1	Pavement Markings (Yellow)	1,890	SF
14	P-620-5.1-2	Pavement Markings (Black)	630	SF
15	P-620-5.1-3	Pavement Markings (White)	0	SF
16	D-100-1.4	Drywell	3	EA
17	M-002-4.1	Field Office and Curing Facilities	1	LS
18	GP-120.1	Airside Safety and Security / Traffic Control	1	LS
19	L-100-5.1	Electrical Demolition	1	LS
20	L-100-5.2	Remove and Re-install Runway End Light	0	EA
21	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	0	LF
22	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	0	LF
23	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	225	LF
24	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	250	LF
25	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	1	EA
26	L-853-4.1	New L-853 Stake Mounted Retroreflective Marker	23	EA
27	L-858-5.2	2-Module, Size 1 Airfield Sign with Concrete Base	0	EA
28	L-858-5.2	3-Module, Size 1 Airfield Sign with Concrete Base	2	EA
29	L-861T-5.1	New L-861T(L) Elevated Taxiway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit	0	EA
30	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	0	EA
31	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	0	EA

IFB Quantities
Alternate 2B

Item No.	Specification Number	Bid Item Description	Quantity	Unit
1	P-100-3.1	Contractor Quality Control	1	LS
2	GP-105-2	Mobilization/Demobilization (Maximum of 5%)	1	LS
3	P-152	Unclassified Excavation / Replacement of Unsuitable Materials, Backfill and Compaction	10,100	CY
4	P-104.2	Sawcut Existing PCC Pavement	250	LF
5	P-155-8.1	Lime Treated Subgrade - 9" (Taxiway and Shoulder)	9,900	SY
6	P-155-8.2	Lime	210	TONS
7	P-156-5.1	Storm Water Pollution Prevention	1	LS
8	P-304-8.1	Cement Treated Base Course - 4" (Taxiway)	6,100	SY
9	Sect 702-4.1	Aggregate Base Course - 4" (Shoulder)	400	CY
10	Sect 710-4.3	Plant Mix Bituminous Pavements (2" Surface Course - Shoulder)	500	TONS
11	P-401-8.1.1	Plant Mix Bituminous Pavements (4" Surface Course - Taxiway)	1,400	TONS
12	P-101-6.5	Bituminous Pavement Milling Placement - 4" (Shoulder)	400	SY
13	P-620-5.1-1	Pavement Markings (Yellow)	4,200	SF
14	P-620-5.1-2	Pavement Markings (Black)	1,890	SF
15	P-620-5.1-3	Pavement Markings (White)	0	SF
16	D-100-1.4	Drywell	3	EA
17	D-100.2	Adjust Existing Sanitary Sewer Structure	1	EA
18	M-002-4.1	Field Office and Curing Facilities	1	LS
19	GP-120.1	Airside Safety and Security / Traffic Control	1	LS
20	L-100-5.1	Electrical Demolition	1	LS
21	L-100-5.2	Remove and Re-install Runway End Light	0	EA
22	L-108-5.1	L-824, Type C, 1/C #8, 5 kV Cable	0	LF
23	L-110-5.1	Single-way (1) 2" Conduit, Direct Buried	0	LF
24	L-110-5.2	Single-way (1) 2" Conduit, Concrete Encased	0	LF
25	L-110-5.3	Multi-way (4) 2" Conduit, Concrete Encased	900	LF
26	L-115-5.1	H-20 Traffic Load Rated Concrete Handhole	7	EA
27	L-853-4.1	New L-853 Stake Mounted Retroreflective Marker	45	EA
28	L-858-5.2	2-Module, Size 1 Airfield Sign with Concrete Base	1	EA
29	L-858-5.2	3-Module, Size 1 Airfield Sign with Concrete Base	4	EA
30	L-861T-5.1	New L-861T(L) Elevated Taxiway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit	0	EA
31	L-867-6.1	New Size "B" L-867 Base Can for Any New Elevated Fixture	0	EA
32	L-867-6.2	New Size "B" L-867 Junction Can with Blank Lid	0	EA

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ADDENDUM 5	8/5/16
ADDENDUM 2	7/29/16
REVISION	DATE

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 7740 North 16th Street, Suite 300
 Phoenix, Arizona 85020 (602) 944-6500



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DATE: 07/29/16	

COOLIDGE MUNICIPAL AIRPORT
 CITY OF COOLIDGE
 GROWTH MANAGEMENT
 151 W PINKLEY AVE
 COOLIDGE, AZ 85228



COOLIDGE MUNICIPAL AIRPORT
 REHABILITATE TAXIWAY B & B4
 PROJECT QUANTITIES

PROJECT NO.
191593007

DRAWING NAME
191593007.N.dwg

C1.3
SHEET NO. 3 OF 45



