

COUNCIL AGENDA: AUGUST 6, 2013

SUBJECT: AUTHORIZATION TO ADVERTISE FOR BIDS – REHABILITATION OF RUNWAY 25-7

SOURCE: Public Works Department - Engineering Division

COMMENT: Plans and specifications for the Rehabilitation of Runway 25-7 have been developed by the City's Airport Consultant, Tartaglia Engineering. The plans and specifications are available for Council's review in the La Barca Room.

The purpose of this report is to seek Council's authorization to advertise for bids. However, for the purpose of full disclosure, the advertisement process began on July 25, 2013, when Tartaglia Engineering informed the City that the FAA grant would be forfeited if advertisement for construction bids did not begin by July 26, 2013. The 3rd and final advertisement notice is scheduled for August 9, 2013. The City Council can direct that the final advertisement notice alert contractors that the project will not be pursued if that is Council's direction. The Public Works Department apologizes for the breach in standard protocol but felt it necessary to act so as not to jeopardize the grant.

The Runway Rehabilitation project includes the removal of a 50' wide x 1,200' long swath of asphalt concrete along Runway 25-7 located immediately south of the main runway. Runway 25-7 is approximately 4,200' in total length but the current grant has a \$1 million limit. Tartaglia Engineering estimates that only 1,200' of runway can be reconstructed at this time. The project also includes the construction of a 15,000 square foot concrete heliport and significant storm drain improvements. The runway in question has been abandoned for many years. Rehabilitating the runway opens up this corridor for aviation related commercial development. Public Works, in conjunction with our airport consultant, will actively monitor and pursue FAA grant opportunities to complete full construction of Runway 25-7.

The Engineer's Estimate of Probable Cost for the Base Bid is \$953,010. Included in this estimate is the construction of approximately \$73,000 of off-site storm drain improvements. The Engineering Division recognized an opportunity to expand the airport runway storm drain system to include these off-site improvements to prevent or retard storm runoff from reaching the OHV Park. Tartaglia Engineering was directed to include these improvements in the basic airport runway design. The off-site storm

Dir BSW Appropriated/Funded MB CM J

Item No. 3

drain improvement costs will be borne by Storm Drain Developer fees as approved in the 2013/2014 Annual Budget.

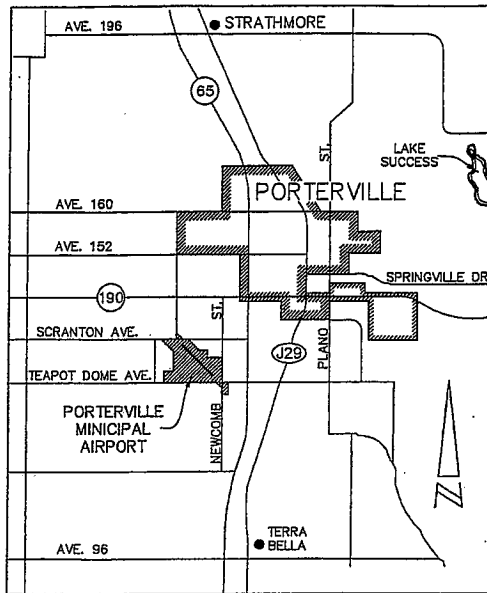
The cost estimate on the contract items of work covered by the FAA grant is \$880,010. A 10% construction contingency (\$88,000) and \$20,000 construction administration fee is requested for a final construction estimate of \$988,010.

Construction management, inspection and material testing will be handled by Tartaglia Engineering under their existing airport consulting contract. The FAA grant will fund 90% (\$889,210) and the remaining 10% (\$98,800) will come from the Airport Development Fund as approved in the 2013/2014 Annual Budget.

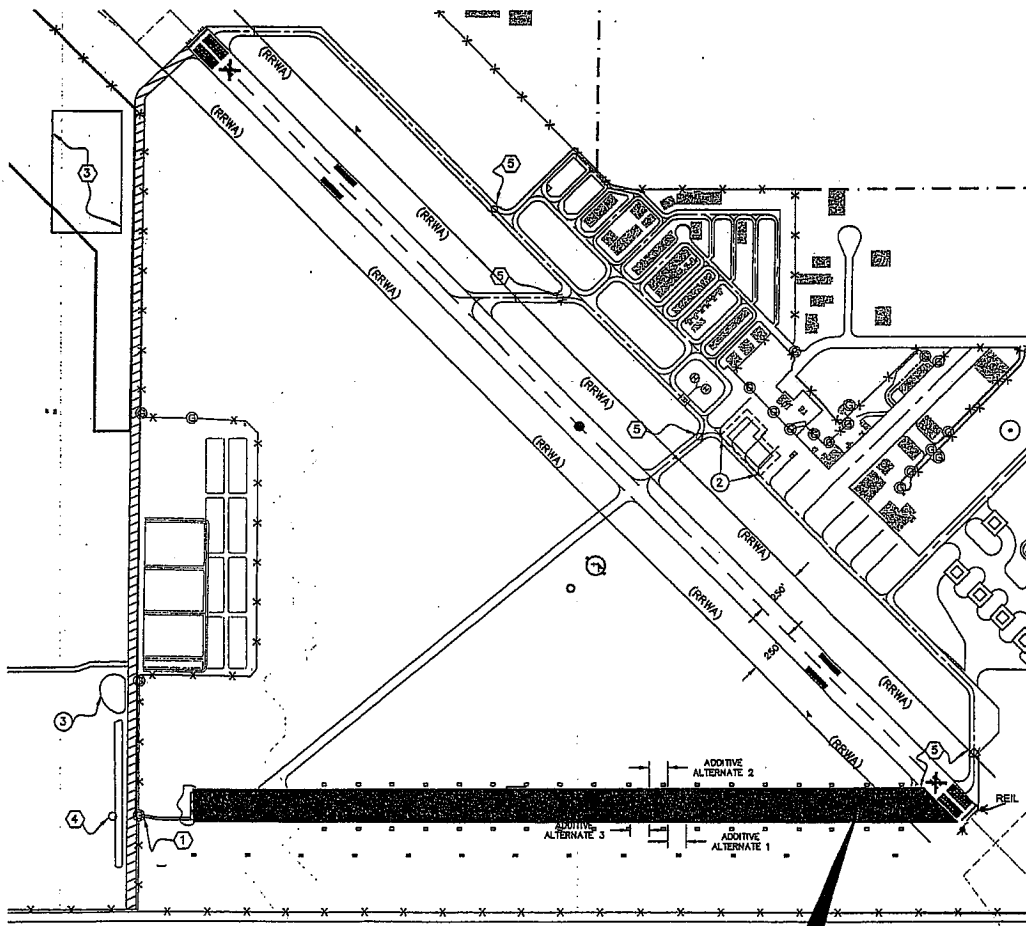
RECOMMENDATION: That the City Council:

- 1 Approve the proposed plans and project manual; and
- 2 Affirm staff's decision to begin advertisement on July 25, 2013.

ATTACHMENTS: Locator Map
Engineer's Estimate of Probable Cost



VICINITY MAP



SUBJET LOCATION

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ENGINEERS OPINION OF PROBABLE COST
 July 28, 2013

Base Bid - To station 14+00

Bid Item	Description	Estimated Quantity	Unit	Unit Price	Total
1	Mobilization	1.0	LS	\$50,000.00	\$50,000.00
2	Airfield Safety and Security	1.0	LS	\$20,000.00	\$20,000.00
3	Sawcut	1,100.0	LF	\$1.70	\$1,870.00
4	Recycle Existing Material	1,830.0	CY	\$10.00	\$18,300.00
5	Clear and Grub	450.0	SY	\$2.00	\$900.00
6	Excavation	2,150.0	CY	\$4.50	\$9,675.00
7	Embankment	610.0	CY	\$8.00	\$4,880.00
8	Subgrade Preparation	7,440.0	SY	\$14.00	\$104,160.00
9	Unsuitable Subgrade Allowance	1.0	T&M	\$40,000.00	\$40,000.00
10	Compacted Shoulder Grading and Backing	4,900.0	SY	\$3.00	\$14,700.00
11	Graded Shoulder	7,330.0	SY	\$2.00	\$14,660.00
12	Aggregate Base	4,710.0	TON	\$35.00	\$164,850.00
13	Asphalt Pavement	1,350.0	TON	\$108.00	\$145,800.00
14	Pavement Marking	1,250.0	SF	\$2.00	\$2,500.00
15	Hydro Mulch Erosion Control	4:3	ACRE	\$2,800.00	\$12,040.00
16	Storm Water Pollution Prevention	1.0	LS	\$10,000.00	\$10,000.00
17	Storm Water Sampling Allowance	1.0	T&M	\$5,000.00	\$5,000.00
18	Portland Cement Concrete Flatwork	15,000.0	SF	\$14.00	\$210,000.00
19	Encase Existing Electrical Conduit	150.0	LF	\$10.00	\$1,500.00
20	Remove Existing Stockpiles Off-Site	1.0	LS	\$5,000.00	\$5,000.00
21	Convert Edge Light to Junction Box	1.0	LS	\$5,000.00	\$5,000.00
22	Remove Concrete Footing	52.0	EA	\$200.00	\$10,400.00
23	Remove Asphalt Section At Apron	1,600.0	SF	\$3.00	\$4,800.00
24	Asphalt Pavement Patch Repair	1,600.0	SF	\$15.00	\$24,000.00
25	Install Dry Well	2.0	EA	\$14,000.00	\$28,000.00
26	P. Clear and Grub	1,300.0	SY	\$2.00	\$2,600.00
27	P. Excavation	2,750.0	CY	\$4.50	\$12,375.00
28	P. Embankment	520.0	CY	\$6.00	\$3,120.00
29	P. Storm Drain: 24" RCP, Class III	80.0	LF	\$80.00	\$6,400.00
30	P. Storm Drain Flared Outlet	1.0	EA	\$1,500.00	\$1,500.00
31	P. Cast-In-Place Headwall	1.0	LS	\$4,000.00	\$4,000.00
32	P. Perimeter Fence	460.0	LF	\$26.00	\$11,960.00
33	P. Vehicle Access Gate, Manual Swing	1.0	LS	\$1,500.00	\$1,500.00
34	P. Outlet Grading	40.0	CY	\$8.00	\$320.00
35	P. Modification to Catch Basin	1.0	LS	\$1,200.00	\$1,200.00
Base Bid Estimated Construction Cost					\$953,010.00

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Bid Item	Description	Estimated Quantity	Unit	Unit Price	Total
Additive Alternate A: Station 14+00 to Station 15+00					
A1	Mobilization	1.0	LS	\$2,400.00	\$2,400.00
A2	Airfield Safety and Security	1.0	LS	\$2,000.00	\$2,000.00
A3	Sawcut	0.0	LF	\$1.70	\$0.00
A4	Recycle Existing Material	140.0	CY	\$10.00	\$1,400.00
A5	Clear and Grub	0.0	SY	\$2.00	\$0.00
A6	Excavation	50.0	CY	\$4.50	\$225.00
A7	Embankment	50.0	CY	\$8.00	\$400.00
A8	Subgrade Preparation	560.0	SY	\$14.00	\$7,840.00
A9	Unsuitable Subgrade Allowance	1.0	T&M	\$2,000.00	\$2,000.00
A10	Compacted Shoulder Grading and Backing	450.0	SY	\$3.00	\$1,350.00
A11	Graded Shoulder	670.0	SY	\$2.00	\$1,340.00
A12	Aggregate Base	390.0	TON	\$35.00	\$13,650.00
A13	Asphalt Pavement	130.0	TON	\$108.00	\$14,040.00
A14	Pavement Marking	50.0	SF	\$2.00	\$100.00
A15	Hydro-Mulch Erosion Control	0.2	ACRE	\$2,800.00	\$560.00
A16	Storm Water Pollution Prevention	1.0	LS	\$1,000.00	\$1,000.00
A17	Storm Water Sampling Allowance	1.0	T&M	\$500.00	\$500.00
Additive Alternate A Estimated Construction Cost					\$48,805.00

Additive Alternate B: Station 15+00 to Station 16+00					
B1	Mobilization	1.0	LS	\$2,400.00	\$2,400.00
B2	Airfield Safety and Security	1.0	LS	\$2,000.00	\$2,000.00
B3	Sawcut	0.0	LF	\$1.70	\$0.00
B4	Recycle Existing Material	140.0	CY	\$10.00	\$1,400.00
B5	Clear and Grub	0.0	SY	\$2.00	\$0.00
B6	Excavation	50.0	CY	\$4.50	\$225.00
B7	Embankment	50.0	CY	\$8.00	\$400.00
B8	Subgrade Preparation	560.0	SY	\$14.00	\$7,840.00
B9	Unsuitable Subgrade Allowance	1.0	T&M	\$2,000.00	\$2,000.00
B10	Compacted Shoulder Grading and Backing	450.0	SY	\$3.00	\$1,350.00
B11	Graded Shoulder	670.0	SY	\$2.00	\$1,340.00
B12	Aggregate Base	390.0	TON	\$35.00	\$13,650.00
B13	Asphalt Pavement	130.0	TON	\$108.00	\$14,040.00
B14	Pavement Marking	50.0	SF	\$2.00	\$100.00
B15	Hydro-Mulch Erosion Control	0.2	ACRE	\$2,800.00	\$560.00
B16	Storm Water Pollution Prevention	1.0	LS	\$1,000.00	\$1,000.00
B17	Storm Water Sampling Allowance	1.0	T&M	\$500.00	\$500.00
Additive Alternate B Estimated Construction Cost					\$48,805.00

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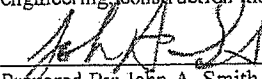
Bid Item	Description	Estimated Quantity	Unit	Unit Price	Total
Additive Alternate C: Station 16+00 to Station 17+00					
C1	Mobilization	1.0	LS	\$2,400.00	\$2,400.00
C2	Airfield Safety and Security	1.0	LS	\$2,000.00	\$2,000.00
C3	Sawcut	0.0	LF	\$1.70	\$0.00
C4	Recycle Existing Material	140.0	CY	\$10.00	\$1,400.00
C5	Clear and Grub	0.0	SY	\$2.00	\$0.00
C6	Excavation	50.0	CY	\$4.50	\$225.00
7C	Embankment	50.0	CY	\$8.00	\$400.00
C8	Subgrade Preparation	560.0	SY	\$14.00	\$7,840.00
C9	Unsuitable Subgrade Allowance	1.0	T&M	\$2,000.00	\$2,000.00
C10	Compacted Shoulder Grading and Backing	450.0	SY	\$3.00	\$1,350.00
C11	Graded Shoulder	670.0	SY	\$2.00	\$1,340.00
C12	Aggregate Base	390.0	TON	\$35.00	\$13,650.00
C13	Asphalt Pavement	130.0	TON	\$108.00	\$14,040.00
C14	Pavement Marking	50.0	SF	\$2.00	\$100.00
C15	Hydro-Mulch Erosion Control	0.2	ACRE	\$2,800.00	\$560.00
C16	Storm Water Pollution Prevention	1.0	LS	\$1,000.00	\$1,000.00
C17	Storm Water Sampling Allowance	1.0	T&M	\$500.00	\$500.00
Additive Alternate C Estimated Construction Cost					\$48,805.00

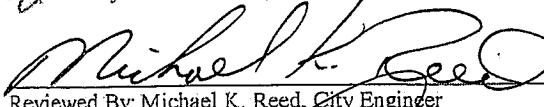
ESTIMATE SUMMARY

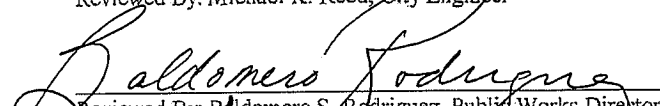
Base Bid	\$953,010.00
Base Bid Plus Additive Alternate A	\$1,001,815.00
Base Bid Plus Additive Alternate A & B	\$1,050,620.00
Base Bid Plus Additive Alternate A, B, & C	\$1,099,425.00
TOTAL ESTIMATED CONSTRUCTION COST	\$1,099,425.00

Notes:

- This opinion of cost is based upon information available at this time. This office assumes no liability for changes on quantities or prices due to unforeseen conditions, circumstances, or changes required by governing agencies.
- This opinion of cost does not include any permits, engineering design, construction administration, geotechnical engineering, construction materials testing, construction staking or layout, or construction observation.


 Prepared By: John A. Smith, P.E. 7/28/2013
Date


 Reviewed By: Michael K. Reed, City Engineer 8/01/2013
Date


 Reviewed By: Baldomero S. Rodriguez, Public Works Director 8/01/13
Date


 Reviewed By: John Lollis, City Manager 08/01/13
Date