



To Carson City Airport Authority  
From Jim Clague  
Date February 10, 2016

**Subject Carson City Airport Authority Meeting for 2-17-16**

The following is a status summary of the projects in which ATKINS is involved:

### 1. North Apron Design AIP No. 3-32-0004-29

The design of the project was completed on February 1, 2016 and the advertisement for the project was published in the newspaper on February 3, 2016. A pre-bid meeting will be held with the potential bidders on February 24<sup>th</sup> and the bid opening will be held on March 4<sup>th</sup>. Attached is the most recent Engineer's Estimate for this project.

The following is the schedule for the design and bidding phase of the North Apron:

Task Item	Baseline Schedule	Actual Completion
Establish Grant Agreement	7/8/2015	7/8/2015
Execute Design Contract	7/16/2015	7/16/2015
Preparation of Geometry	10/19/2015	10/16/2015
Hydrology and Drainage Calculations	11/16/2015	11/13/2015
60% Improvement Plans	11/16/2015	11/13/2015
Airport Review of Plans	11/16/2015	11/13/2015
Construction Safety and Phasing Plan	11/16/2015	11/16/2015
95% Improvement Plans	1/4/2016	1/12/2016
95% Contract Documents and Specifications	1/4/2016	1/12/2016
Design Report	1/4/2016	1/12/2016
Final Review Submittal to CXP and FAA	1/4/2016	1/12/2016
Submit Form 7460 to FAA	1/4/2016	1/12/2016
FAA and CXP Review of Plans and Specs Completed	1/22/2016	1/28/2016
Final Signed Plans and Specs	1/29/2016	2/1/2016
Advertisement for Bids	2/1/2016	2/3/2016
Bid Opening	3/4/2016	
Carson City Airport Authority Approval	3/16/2016	
Submit Grant Application Based on Bids	3/17/2016	

**CARSON CITY AIRPORT  
REHABILITATE NORTH APRON  
PRELIMINARY COST ESTIMATE**

2/9/2016

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
G-100-1	Mobilization/Demobilization	1	L.S.	\$ 148,000.00	\$ 148,000
M-100-1	Airport Safety and Security	1	L.S.	\$ 28,000.00	\$ 28,000
P-104-1	Pulverize/Remove 17.5-inches of Existing Pavement	39,907	S.Y.	\$ 2.50	\$ 99,768
P-104-2	Pulverize/Remove 10-inches of Existing Pavement - Access Road	967	S.Y.	\$ 2.00	\$ 1,934
P-104-3	Remove Existing Aircraft Tie Down Anchors	171	Each	\$ 100.00	\$ 17,100
P-104-4	Remove Existing Drainage Inlet	2	Each	\$ 1,000.00	\$ 2,000
P-104-5	Remove Existing 4'x4' Frame & Grate & Concrete Collar/Apron	2	Each	\$ 1,000.00	\$ 2,000
P-104-6	Remove Existing Waterline	300	L.F.	\$ 20.00	\$ 6,000
P-104-7	Remove Existing Chain Link Fence and Manual Gates	1,411	L.F.	\$ 10.00	\$ 14,110
P-104-8	Remove Existing Automatic Gate	1	L.S.	\$ 2,000.00	\$ 2,000
P-104-9	Remove Existing Lawn and Split Rail Fence	1	L.S.	\$ 1,000.00	\$ 1,000
P-104-10	Remove Existing Tree	1	Each	\$ 1,000.00	\$ 1,000
P-151-1	Clearing and Grubbing	1,230	S.Y.	\$ 3.00	\$ 3,690
P-152-1	Unclassified Excavation and Embankment	1	L.S.	\$ 330,000.00	\$ 330,000
P-152-2	Unclassified Excavation and Embankment - Access Road	1	L.S.	\$ 8,000.00	\$ 8,000
P-152-3	Overexcavation of Unsuitable Soils & Backfill with Suitable Materials	4,200	C.Y.	\$ 20.00	\$ 84,000
P-156-1	Temporary Air and Water Pollution, Soil, Erosion and Siltation Control	1	L.S.	\$ 10,000.00	\$ 10,000
P-301-1	10.5-inch Soil-Cement Base Course	37,874	S.Y.	\$ 10.50	\$ 397,677
P-301-2	6-inch Soil-Cement Base Course	2,490	S.Y.	\$ 7.00	\$ 17,430
P-301-3	6-inch Soil-Cement Base Course - Access Road	967	S.Y.	\$ 7.00	\$ 6,769
P-401-1	4-inch Bituminous Surface Course	37,647	S.Y.	\$ 23.00	\$ 865,881
P-401-2	4-inch Bituminous Surface Course - Access Road	967	S.Y.	\$ 23.00	\$ 22,241
P-501-1	10.5-inch PCC Pavement	2,490	S.Y.	\$ 105.00	\$ 261,450
P-611-1	Asphalt Concrete Sawcut Control Joints	19,142	L.F.	\$ 2.25	\$ 43,070
P-611-2	Asphalt Concrete Sawcut Control Joints - Access Road	396	L.F.	\$ 2.25	\$ 891
P-620-1	4-inch Solid Yellow Stripe	1,640	L.F.	\$ 0.65	\$ 1,066
P-620-2	4-inch Solid Yellow Stripe - Access Road	285	L.F.	\$ 0.65	\$ 185
P-620-3	6-inch Solid Yellow Stripe	2,808	L.F.	\$ 0.75	\$ 2,106
P-620-4	6-inch Solid White Stripe	1,696	L.F.	\$ 0.75	\$ 1,272
P-620-5	6-inch Dashed White Stripe	310	L.F.	\$ 0.75	\$ 233
P-620-6	12-inch Solid Yellow Circle with Black Outline	378	L.F.	\$ 2.50	\$ 945
P-620-7	White Stop Bar and Yield Message	5	Each	\$ 200.00	\$ 1,000
P-620-8	Handicap Parking Symbol - Access Road	1	Each	\$ 200.00	\$ 200
P-700-1	Aircraft Tie Down Anchors	120	Each	\$ 300.00	\$ 36,000
P-700-2	Aircraft Tie Down Chain Sets	40	Each	\$ 250.00	\$ 10,000
P-700-3	Vehicular Loop Detector	2	Each	\$ 750.00	\$ 1,500
P-700-4	3/4-inch Waterline	192	L.F.	\$ 30.00	\$ 5,760
P-700-5	3/4-inch Gate Valve and Valve Box	1	Each	\$ 500.00	\$ 500
P-700-6	Concrete Patching	42	S.Y.	\$ 90.00	\$ 3,780
D-701-1	4-inch Sch 80 PVC Pipe	5	L.F.	\$ 50.00	\$ 250
D-701-2	6-inch Sch 80 PVC Pipe	28	L.F.	\$ 55.00	\$ 1,540
D-701-3	15-inch RCP Class III	47	L.F.	\$ 110.00	\$ 5,170
D-701-4	15-inch RCP Flared End Section	2	Each	\$ 1,200.00	\$ 2,400
D-701-5	18-inch RCP Class III	86	L.F.	\$ 120.00	\$ 10,320
D-701-6	Video Inspection and Pipe Cleaning	1	L.S.	\$ 7,000.00	\$ 7,000
D-702-1	24-inch Concrete Encased CMP Slotted Drain	832	L.F.	\$ 180.00	\$ 149,760
D-703-1	12-inch Thick Loose Rock Rip-Rap	32	S.F.	\$ 10.00	\$ 320
D-751-1	2'x3'x3' Drainage inlet	3	Each	\$ 4,000.00	\$ 12,000
D-751-2	3'x3'x3' Drainage inlet	4	Each	\$ 5,000.00	\$ 20,000
D-751-3	3'x3'x4' Drainage inlet	1	Each	\$ 6,000.00	\$ 6,000
D-751-4	Connect New or Existing Pipe to New or Existing Manhole or Drainage Inlet	8	Each	\$ 1,000.00	\$ 8,000
D-751-5	Adjust Manhole Frame and Grate to Finished Grade	4	Each	\$ 1,000.00	\$ 4,000
D-751-6	New 4'x4' Frame and Grate H20 Loading	1	Each	\$ 1,500.00	\$ 1,500
D-751-7	New 4'x4' Frame and Grate Aircraft Rated	1	Each	\$ 2,000.00	\$ 2,000
D-751-8	15-inch RCP Blind Connection	1	Each	\$ 2,000.00	\$ 2,000
D-754-1	Concrete Valley Gutter	261	L.F.	\$ 60.00	\$ 15,660
D-754-2	Concrete Valley Gutter - Access Road	84	L.F.	\$ 60.00	\$ 5,040
D-754-3	Concrete Median Curb	155	L.F.	\$ 30.00	\$ 4,650

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2/9/2016

**BASE BID Cont'd**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
D-754-4	Concrete Median Curb with Variable Depth	51	L.F.	\$ 100.00	\$ 5,100
D-754-5	Concrete Curb and Gutter	72	L.F.	\$ 50.00	\$ 3,600
F-162-1	6-foot Chain Link Fence	1,093	L.F.	\$ 30.00	\$ 32,790
F-162-2	Extension Arms w/ Barbed Wire on Existing Fence	356	L.F.	\$ 15.00	\$ 5,340
F-162-3	24-foot Double Swing Gate	1	Each	\$ 10,000.00	\$ 10,000
F-162-4	20-foot Automatic Cantilever Gate	1	L.S.	\$ 30,000.00	\$ 30,000
T-902-1	Dust Palliative	9,076	S.Y.	\$ 1.00	\$ 9,076
26000-1	Electrical Demolition	1	L.S.	\$ 4,000.00	\$ 4,000
26000-2	NV Energy Fees and Service Contract (Allowance)	1	Allow	\$ 10,000.00	\$ 10,000
26000-3	Main Service Pedestal	1	L.S.	\$ 7,000.00	\$ 7,000
26000-4	Complete Tower (Foundation, Tower, Fixtures, Fixture Breakers)	8	Each	\$ 15,000.00	\$ 120,000
26000-5	(2) 2-inch Conduit, Concrete Encased	450	L.F.	\$ 30.65	\$ 13,793
26000-6	(1) 2-inch Conduit, Direct Buried	800	L.F.	\$ 10.50	\$ 8,400
26000-7	600V Cable (AWG #10, #6, #4)	10,600	L.F.	\$ 2.00	\$ 21,200
26000-8	Electrical Pullbox, Traffic Rated, H-20	8	Each	\$ 1,175.00	\$ 9,400
<b>BASE BID SUBTOTAL</b>					<b>\$ 2,985,865</b>

Airport Administration (includes single audit)	\$ 20,000
Construction Management	\$ 297,500
<b>TOTAL PROJECT COST</b>	<b>\$ 3,303,365</b>
FAA SHARE 93.75%	\$ 3,096,905
SPONSOR'S SHARE 6.25%	\$ 206,460

**DEDUCTIVE ALTERNATIVE #1 - PERIMETER FENCE**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
P-104-7-D1	Remove Existing Chain Link Fence and Manual Gates	1,411	L.F.	\$ 10.00	\$ 14,110
F-162-1-D1	6-foot Chain Link Fence	1,093	L.F.	\$ 30.00	\$ 32,790
F-162-2-D1	Extension Arms w/ Barbed Wire on Existing Fence	356	L.F.	\$ 15.00	\$ 5,340
F-162-3-D1	24-foot Double Swing Gates	1	Each	\$ 10,000.00	\$ 10,000
<b>DEDUCTIVE ALTERNATIVE #1 SUBTOTAL</b>					<b>\$ 62,240</b>

**DEDUCTIVE ALTERNATIVE #2 - APRON LIGHTING**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
26000-2-D2	NV Energy Fees and Service Contract (Allowance)	1	Allow	\$ 10,000.00	\$ 10,000
26000-3-D2	Main Service Pedestal	1	L.S.	\$ 7,000.00	\$ 7,000
26000-4-D2	Complete Tower (Foundation, Tower, Fixtures, Fixture Breakers)	8	Each	\$ 15,000.00	\$ 120,000
26000-6-D2	(1) 2-inch Conduit, Direct Buried	800	L.F.	\$ 10.50	\$ 8,400
26000-7-D2	600V Cable (AWG #10, #6, #4)	10,600	L.F.	\$ 2.00	\$ 21,200
26000-8-D2	Electrical Pullbox, Traffic Rated, H-20	8	Each	\$ 1,175.00	\$ 9,400
<b>DEDUCTIVE ALTERNATIVE #2 SUBTOTAL</b>					<b>\$ 176,000</b>

**DEDUCTIVE ALTERNATIVE #3 - ACCESS ROAD**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
P-104-2-D3	Pulverize/Remove 10-inches of Existing Pavement - Access Road	967	S.Y.	\$ 2.00	\$ 1,934
P-152-2-D3	Unclassified Excavation and Embankment - Access Road	1	S.Y.	\$ 8,000.00	\$ 8,000
P-301-3-D3	6-inch Soil-Cement Base Course - Access Road	967	S.Y.	\$ 7.00	\$ 6,769
P-401S-2-D3	4-inch Bituminous Surface Course - Access Road	967	S.Y.	\$ 23.00	\$ 22,241
P-611-2-D3	Asphalt Concrete Sawcut Control Joints - Access Road	396	L.F.	\$ 2.25	\$ 891
P-620-2-D3	4-inch Solid Yellow Stripe - Access Road	285	L.F.	\$ 0.65	\$ 185
P-620-8-D3	Handicap Parking Symbol - Access Road	1	Each	\$ 200.00	\$ 200
D-754-2-D3	Concrete Valley Gutter - Access Road	84	L.F.	\$ 60.00	\$ 5,040
<b>DEDUCTIVE ALTERNATIVE #3 SUBTOTAL</b>					<b>\$ 45,260</b>

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<b>BASE BID CONSTRUCTION SUBTOTAL</b>	\$ 2,985,865
Airport Administration	\$ 20,000
Construction Management	\$ 297,500
<b>TOTAL PROJECT COST</b>	<b>\$ 3,303,365</b>
FAA SHARE 93.75%	\$ 3,096,905
SPONSOR'S SHARE 6.25%	\$ 206,460
<b>TOTAL PROJECT COST w/ DEDUCTIVE ALTERNATIVE #1</b>	<b>\$ 3,241,125</b>
FAA SHARE 93.75%	\$ 3,038,555
SPONSOR'S SHARE 6.25%	\$ 202,570
<b>TOTAL PROJECT COST w/ DEDUCTIVE ALTERNATIVE #2</b>	<b>\$ 3,127,365</b>
FAA SHARE 93.75%	\$ 2,931,905
SPONSOR'S SHARE 6.25%	\$ 195,460
<b>TOTAL PROJECT COST w/ DEDUCTIVE ALTERNATIVE #3</b>	<b>\$ 3,258,105</b>
FAA SHARE 93.75%	\$ 3,054,473
SPONSOR'S SHARE 6.25%	\$ 203,632
<b>TOTAL PROJECT COST w/ DEDUCTIVE ALTERNATIVE #1 and #2</b>	<b>\$ 3,065,125</b>
FAA SHARE 93.75%	\$ 2,873,555
SPONSOR'S SHARE 6.25%	\$ 191,570
<b>TOTAL PROJECT COST w/ DEDUCTIVE ALTERNATIVE #1 and #3</b>	<b>\$ 3,195,865</b>
FAA SHARE 93.75%	\$ 2,996,123
SPONSOR'S SHARE 6.25%	\$ 199,742
<b>TOTAL PROJECT COST w/ DEDUCTIVE ALTERNATIVE #2 and #3</b>	<b>\$ 3,082,105</b>
FAA SHARE 93.75%	\$ 2,889,473
SPONSOR'S SHARE 6.25%	\$ 192,632
<b>TOTAL PROJECT COST w/ DEDUCTIVE ALTERNATIVE #1 and #2 and #3</b>	<b>\$ 3,019,865</b>
FAA SHARE 93.75%	\$ 2,831,123
SPONSOR'S SHARE 6.25%	\$ 188,742