

Development Costs for Commercial Service Airports

Airport Code	CHO
Airport Name	Charlottesville-Albemarle
Airport Region	2
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Carpet Rehabilitation	\$ 246,000	\$ 240,000	\$ -	\$ 196,800	\$ 49,200	ACIP
2	2015	Commuter / ADA Ramps	\$ 308,000	\$ 300,000	\$ 277,200	\$ 24,640	\$ 6,160	ACIP
3	2015	Emergency Generator - Full Terminal	\$ 616,000	\$ 600,000	\$ -	\$ 492,800	\$ 123,200	ACIP
4	2015	Escalator Replacement Gate 1A	\$ 616,000	\$ 600,000	\$ -	\$ 492,800	\$ 123,200	ACIP
5	2015	FIDS Upgrade	\$ 246,000	\$ 240,000	\$ 221,400	\$ 19,680	\$ 4,920	ACIP
6	2015	Music School Land Acquisition	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
7	2015	PA System Upgrade	\$ 185,000	\$ 180,000	\$ -	\$ 148,000	\$ 37,000	ACIP
8	2015	PAX Walkways Ramp Area	\$ 492,000	\$ 480,000	\$ 442,800	\$ 39,360	\$ 9,840	ACIP
9	2015	Replace Baggage Claim Device	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
10	2015	Replace Inbound Baggage Belts	\$ 246,000	\$ 240,000	\$ 221,400	\$ 19,680	\$ 4,920	ACIP
11	2015	RW 3-21 Overlay / Glideslope Phase 1 (Construction)	\$ 7,387,000	\$ 7,200,000	\$ 6,648,300	\$ 590,960	\$ 147,740	ACIP
12	2015	Signage Upgrade	\$ 246,000	\$ 240,000	\$ 221,400	\$ 19,680	\$ 4,920	ACIP
13	2015	Taxiway Rehabilitation (Design)	\$ 246,000	\$ 240,000	\$ 221,400	\$ 19,680	\$ 4,920	ACIP
14	2015	Terminal Building Debt Service FY15	\$ 159,000	\$ 154,500	\$ -	\$ 127,200	\$ 31,800	ACIP
15	2015	Terminal Improvements (Construction)	\$ 7,387,000	\$ 7,200,000	\$ 4,321,395	\$ 384,124	\$ 2,681,481	ACIP
16	2016	Admin / ARFF Training Room Rehabilitation	\$ 253,000	\$ 240,000	\$ 227,700	\$ 20,240	\$ 5,060	ACIP
17	2016	Air Carrier Ramp North (Design)	\$ 758,000	\$ 720,000	\$ 682,200	\$ 60,640	\$ 15,160	ACIP
18	2016	Airline Podiums Concourse	\$ 316,000	\$ 300,000	\$ -	\$ -	\$ 316,000	ACIP
19	2016	AOA Ramp Lighting (Design)	\$ 126,000	\$ 120,000	\$ 113,400	\$ 10,080	\$ 2,520	ACIP
20	2016	Covered Sidewalks / Ticket Spitters	\$ 632,000	\$ 600,000	\$ -	\$ -	\$ 632,000	ACIP
21	2016	Energy Modification - Windows	\$ 126,000	\$ 120,000	\$ -	\$ 100,800	\$ 25,200	ACIP
22	2016	Entrance Doors - 3 Sets	\$ 189,000	\$ 180,000	\$ -	\$ 151,200	\$ 37,800	ACIP
23	2016	Escalator Replacement Gate 5	\$ 1,011,000	\$ 960,000	\$ -	\$ 808,800	\$ 202,200	ACIP
24	2016	Fire Gear Contaminate Extractor	\$ 11,000	\$ 10,200	\$ 9,900	\$ 880	\$ 220	ACIP
25	2016	Replace ARFF Protective Clothing	\$ 16,000	\$ 15,600	\$ -	\$ 12,800	\$ 3,200	ACIP
26	2016	RW 3-21 Overlay / Glideslope Phase 2 (Construction)	\$ 7,579,000	\$ 7,200,000	\$ 6,821,100	\$ 606,320	\$ 151,580	ACIP
27	2016	SCBA Mask Fit Test Machine	\$ 18,000	\$ 16,800	\$ -	\$ 14,400	\$ 3,600	ACIP
28	2016	Taxiway Rehabilitation (Construction)	\$ 1,516,000	\$ 1,440,000	\$ 1,364,400	\$ 121,280	\$ 30,320	ACIP
29	2016	Terazzo Repair	\$ 126,000	\$ 120,000	\$ 113,400	\$ 10,080	\$ 2,520	ACIP
30	2016	Terminal Building Debt Service FY16	\$ 63,000	\$ 60,000	\$ -	\$ 50,400	\$ 12,600	ACIP
31	2016	Terminal Ticketing Rehabilitation	\$ 316,000	\$ 300,000	\$ -	\$ -	\$ 316,000	ACIP
32	2017	Air Carrier Ramp North (Construction)	\$ 3,240,000	\$ 2,880,000	\$ 2,916,000	\$ 259,200	\$ 64,800	ACIP
33	2017	Airport Wide Security Upgrade	\$ 2,700,000	\$ 2,400,000	\$ 2,430,000	\$ 216,000	\$ 54,000	ACIP
34	2017	AOA Ramp Lighting (Construction)	\$ 1,215,000	\$ 1,080,000	\$ 1,093,500	\$ 97,200	\$ 24,300	ACIP
35	2017	Heating and Cooling Upgrade	\$ 945,000	\$ 840,000	\$ 850,500	\$ 75,600	\$ 18,900	ACIP
36	2017	Terminal Building Debt Service FY17	\$ 67,000	\$ 60,000	\$ -	\$ 53,600	\$ 13,400	ACIP
37	2017	Terminal Roof Rehabilitation	\$ 675,000	\$ 600,000	\$ -	\$ 351,000	\$ 324,000	ACIP
38	2018	GA Facilities (Design)	\$ 1,123,000	\$ 960,000	\$ 1,010,700	\$ 89,840	\$ 22,460	ACIP
39	2018	SRE Facility Modification (Construction)	\$ 2,808,000	\$ 2,400,000	\$ 2,527,200	\$ 224,640	\$ 56,160	ACIP
40	2018	Terminal Building Debt Service FY18	\$ 70,000	\$ 60,000	\$ -	\$ 56,000	\$ 14,000	ACIP
41	2019	ARFF Vehicle Replacement	\$ 1,482,000	\$ 1,218,000	\$ 1,333,800	\$ 118,560	\$ 29,640	ACIP
42	2019	Fence Project	\$ 1,460,000	\$ 1,200,000	\$ 1,314,000	\$ 116,800	\$ 29,200	ACIP

Airport Code	CHO
Airport Name	Charlottesville-Albemarle
Airport Region	2
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
43	2019	GA Facilities Phase 1 (Construction)	\$ 4,380,000	\$ 3,600,000	\$ 3,942,000	\$ 350,400	\$ 87,600	ACIP
44	2019	Roadway Lighting / Signage Rehab (Design)	\$ 292,000	\$ 240,000	\$ 262,800	\$ 23,360	\$ 5,840	ACIP
45	2020	Airport Security Upgrade	\$ 683,000	\$ 540,000	\$ 614,700	\$ 54,640	\$ 13,660	ACIP
46	2020	GA Facilities Phase 2 (Construction)	\$ 4,555,000	\$ 3,600,000	\$ 4,099,500	\$ 364,400	\$ 91,100	ACIP
47	2020	Roadway Lighting / Signage Rehabilitation (Construction)	\$ 3,037,000	\$ 2,400,000	\$ 2,733,300	\$ 242,960	\$ 60,740	ACIP
48	2020	Land Acquisition 10.35 acres	\$ 511,000	\$ 403,650	\$ 459,900	\$ 40,880	\$ 10,220	2011 ALP
49	2020	T-Hangar Site Construction (15 Units)	\$ 5,177,000	\$ 4,091,713	\$ 4,659,300	\$ 414,160	\$ 103,540	2011 ALP
50	2020	T-Hangar Building Construction (15 Units)	\$ 1,063,000	\$ 840,000	\$ -	\$ -	\$ 1,063,000	2011 ALP
51	2025	5.5 acre land acquisition	\$ 330,000	\$ 214,500	\$ 297,000	\$ 26,400	\$ 6,600	2011 ALP
52	2025	Relocate Localizer	\$ 216,000	\$ 140,000	\$ 194,400	\$ 17,280	\$ 4,320	2011 ALP
53	2025	Fuel Farm	\$ 140,000	\$ 91,000	\$ 126,000	\$ 11,200	\$ 2,800	2011 ALP
54	2020	Maintenance Hangar Site Construction (1 Unit 150' x 150')	\$ 1,668,000	\$ 1,318,441	\$ 1,501,200	\$ 133,440	\$ 33,360	2011 ALP
55	2025	Maintenance Hangar Building Construction (1 Unit 150' x 150')	\$ 216,000	\$ 140,000	\$ -	\$ -	\$ 216,000	2011 ALP
56	2025	Deicing Containment Tank	\$ 647,000	\$ 420,000	\$ 582,300	\$ 51,760	\$ 12,940	2011 ALP
57	2025	Employee parking expansion (1,111 SY)	\$ 1,197,000	\$ 777,700	\$ 1,077,300	\$ 95,760	\$ 23,940	2011 ALP
58	2025	Multi-level parking deck	\$ 5,388,000	\$ 3,500,000	\$ 4,849,200	\$ 431,040	\$ 107,760	2011 ALP
59	2025	Snow / maintenance Site Design	\$ 2,100,000	\$ 1,363,904	\$ 1,890,000	\$ 168,000	\$ 42,000	2011 ALP
60	2025	Snow / Maintenance Building Construction	\$ 539,000	\$ 350,000	\$ -	\$ -	\$ 539,000	2011 ALP
61	2025	West side GSE fuel storage	\$ 54,000	\$ 35,000	\$ 48,600	\$ 4,320	\$ 1,080	2011 ALP
62	2025	GSA Tenant Parking (1,111 SY)	\$ 1,197,000	\$ 777,700	\$ 1,077,300	\$ 95,760	\$ 23,940	2011 ALP
63	2025	Conventional Hangar Site Construction (1 Unit 80' X 80')	\$ 778,000	\$ 505,099	\$ 700,200	\$ 62,240	\$ 15,560	2011 ALP
64	2030	Conventional Hangar Building Construction (1 Unit 80' X 80')	\$ 1,311,000	\$ 700,000	\$ -	\$ -	\$ 1,311,000	2011 ALP
65	2030	Instrument Improvements (MALS - RW 21, PAPI - RW 3)	\$ 524,000	\$ 280,000	\$ 471,600	\$ 41,920	\$ 10,480	Facilities Requirements
66	2030	Corporate Hangar Site Construction (6 Units 60' x 60')	\$ 4,087,000	\$ 2,182,247	\$ 3,678,300	\$ 326,960	\$ 81,740	Facilities Requirements
67	2030	Corporate Hangar Building Construction (6 Units 60' x 60')	\$ 1,573,000	\$ 840,000	\$ -	\$ -	\$ 1,573,000	Facilities Requirements
68	2030	Apron Area Expansion (104,341 SY)	\$ 29,386,000	\$ 15,689,589	\$ 26,447,400	\$ 2,350,880	\$ 587,720	Facilities Requirements
69	2030	Aircraft Rental Services	\$ 112,000	\$ 60,000	\$ -	\$ -	\$ 112,000	Facilities Requirements
70	2030	Pavement Rehab (Taxiway & Apron)	\$ 40,588,000	\$ 21,670,040	\$ 36,529,200	\$ 3,247,040	\$ 811,760	Facilities Requirements
71	2030	RPZ Land Acquisition (39.5 Acres Fee Simple)	\$ 2,885,000	\$ 1,540,500	\$ 2,596,500	\$ 230,800	\$ 57,700	Facilities Requirements
72	2030	ALP and Master Plan Update	\$ 1,011,000	\$ 540,000	\$ 909,900	\$ 80,880	\$ 20,220	Facilities Requirements

Total Project Cost at Airport	\$164,098,000	\$114,066,183
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Project Cost Totals by Contribution		
Federal Contribution	83.0%	\$ 136,239,795
State Contribution	9.2%	\$ 15,166,804
Airport Contribution	7.7%	\$ 12,691,401
Total		\$ 164,098,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 104,193,000	\$ 770,000	\$ 27,630,000	\$ 11,111,000	\$ 246,000	\$ 2,134,000	\$ 6,184,000	\$ 11,437,000	\$ 393,000
63.5%	0.5%	16.8%	6.8%	0.1%	1.3%	3.8%	7.0%	0.2%

Airport Code	LYH
Airport Name	Lynchburg Regional
Airport Region	5
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Air Traffic Control Tower Replacement (Construction)	\$ 2,709,000	\$ 2,640,000	\$ 2,438,100	\$ 216,720	\$ 54,180	ACIP
2	2015	Multi-Purpose Snow Equipment	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
3	2015	T-Hangar Construction, Phase II	\$ 985,000	\$ 960,000	\$ -	\$ -	\$ 985,000	ACIP
4	2015	South Mid-Field Corporate Hangar (8)	\$ 8,582,000	\$ 8,364,482	\$ -	\$ -	\$ 8,582,000	MPU
5	2016	Runway 4-22 Parallel Taxiway (Design/Construction)	\$ 5,684,000	\$ 5,400,000	\$ 5,115,600	\$ 454,720	\$ 113,680	ACIP
6	2017	Airfield Lighting Rehabilitation	\$ 1,620,000	\$ 1,440,000	\$ 1,458,000	\$ 129,600	\$ 32,400	ACIP
7	2018	Mid-Field Aprons & Taxiways G & H Rehabilitation	\$ 1,965,000	\$ 1,680,000	\$ 1,768,500	\$ 157,200	\$ 39,300	ACIP
8	2019	South General Aviation Development Area	\$ 1,971,000	\$ 1,620,000	\$ 1,773,900	\$ 157,680	\$ 39,420	ACIP
9	2020	Terminal Refurbishment (Baggage System/Lighting/Counters)	\$ 2,126,000	\$ 1,680,000	\$ 1,243,710	\$ 110,552	\$ 771,738	ACIP
10	2015	North GA Development Area - Phase 2B	\$ 3,459,000	\$ 3,326,260	\$ 3,113,100	\$ 276,720	\$ 69,180	MPU
11	2015	Expand GA Apron	\$ 878,000	\$ 844,466	\$ 790,200	\$ 70,240	\$ 17,560	MPU
12	2016	South Midfield Apron Earthwork	\$ 1,508,000	\$ 1,394,638	\$ 1,357,200	\$ 120,640	\$ 30,160	MPU
13	2017	RW 22 RPZ Property Acquisition	\$ 997,000	\$ 885,885	\$ 897,300	\$ 79,760	\$ 19,940	MPU
14	2017	South Mid-Field Apron, Access Taxilane, and Access Road	\$ 1,396,000	\$ 1,240,918	\$ 1,256,400	\$ 111,680	\$ 27,920	MPU
15	2017	Rehabilitate Terminal Parking lot - Phase 1	\$ 852,000	\$ 757,624	\$ 766,800	\$ 68,160	\$ 17,040	MPU
16	2017	Air Cargo Facility	\$ 2,898,000	\$ 2,576,448	\$ -	\$ -	\$ 2,898,000	MPU
17	2017	North GA Conventional Hangar Site Construction (9 Units 60' x 60')	\$ 3,197,000	\$ 2,842,157	\$ 2,877,300	\$ 255,760	\$ 63,940	MPU
18	2017	North GA Conventional Hangar Building Construction (9 Units 60' x 60')	\$ 1,417,000	\$ 1,260,000	\$ -	\$ -	\$ 1,417,000	MPU
19	2017	Rehabilitate Terminal Area Taxiways A & C	\$ 733,000	\$ 651,798	\$ 659,700	\$ 58,640	\$ 14,660	MPU
20	2018	Rehab Terminal Parking Lot - Phase 2	\$ 917,000	\$ 784,140	\$ 825,300	\$ 73,360	\$ 18,340	MPU
21	2018	North Mid-Field Corporate Hangar (1)	\$ 1,743,000	\$ 1,489,614	\$ -	\$ -	\$ 1,743,000	MPU
22	2018	Install MALS Approach Lighting System (RW 22)	\$ 2,273,000	\$ 1,943,242	\$ 2,045,700	\$ 181,840	\$ 45,460	MPU
23	2018	Central Mid-Field Expansion Area Earthwork - Phase 1	\$ 5,243,000	\$ 4,481,904	\$ 4,718,700	\$ 419,440	\$ 104,860	MPU
24	2018	Expand Snow/Maintenance Building	\$ 1,209,000	\$ 1,033,830	\$ 1,088,100	\$ 96,720	\$ 24,180	MPU
25	2019	Expand GA Terminal - Phase I	\$ 1,486,000	\$ 1,221,276	\$ 869,310	\$ 77,272	\$ 539,418	MPU
26	2019	Reconstruct Hangars 1, 2, 3, & 4	\$ 10,330,000	\$ 8,490,314	\$ -	\$ -	\$ 10,330,000	MPU
27	2019	Expand Deplaning Passenger Corridor & Admin Suite	\$ 1,773,000	\$ 1,457,344	\$ 1,037,205	\$ 92,196	\$ 643,599	MPU
28	2020	Central Mid-Field Expansion Area Earthwork - Phase 2	\$ 6,075,000	\$ 4,801,132	\$ 5,467,500	\$ 486,000	\$ 121,500	MPU
29	2021	Passanger Boarding Bridges (2)	\$ 2,881,000	\$ 2,189,544	\$ 2,592,900	\$ 230,480	\$ 57,620	MPU
30	2021	Central Mid-Field Apron, Taxilane & GA Access Road	\$ 2,091,000	\$ 1,589,322	\$ 1,881,900	\$ 167,280	\$ 41,820	MPU
31	2022	Expand GA Terminal - Phase II	\$ 1,853,000	\$ 1,354,038	\$ 1,084,005	\$ 96,356	\$ 672,639	MPU
32	2023	Reconstruct Hangar 5	\$ 4,944,000	\$ 3,473,554	\$ -	\$ -	\$ 4,944,000	MPU
33	2024	Reconstruct Hangar 6	\$ 6,360,000	\$ 4,296,684	\$ -	\$ -	\$ 6,360,000	MPU
34	2024	South GA Development Hangars - (4 box hangars accommodating 4 aircraft per hangar)	\$ 29,571,000	\$ 19,976,810	\$ -	\$ -	\$ 29,571,000	MPU
35	2024	Parking Space Reallocation	\$ 90,000	\$ 60,690	\$ 81,000	\$ 7,200	\$ 1,800	MPU
36	2024	Rental Car Ready Return Improvements	\$ 549,000	\$ 371,070	\$ -	\$ -	\$ 549,000	MPU
37	2024	Install 15,000 Gallon Jet A Fuel Tank	\$ 539,000	\$ 364,140	\$ 485,100	\$ 43,120	\$ 10,780	MPU
38	2024	RW 4 Hold Apron	\$ 632,000	\$ 427,140	\$ 568,800	\$ 50,560	\$ 12,640	MPU
39	2024	RW Approach Easements (Parcels 133, 135, 140, & 141)	\$ 863,000	\$ 583,271	\$ 776,700	\$ 69,040	\$ 17,260	MPU
40	2024	RW 17-35 RPZ Easements	\$ 41,000	\$ 28,002	\$ 36,900	\$ 3,280	\$ 820	MPU
41	2024	T-Hangar Site Construction (34 Units)	\$ 11,920,000	\$ 8,052,778	\$ 10,728,000	\$ 953,600	\$ 238,400	MPU

Airport Code	LYH
Airport Name	Lynchburg Regional
Airport Region	5
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
42	2024	T-Hangar Building Construction (34 Units)	\$ 3,171,000	\$ 2,142,000	\$ -	\$ -	\$ 3,171,000	MPU
43	2024	Instrument Improvements (PAPI RW4)	\$ 104,000	\$ 70,000	\$ 93,600	\$ 8,320	\$ 2,080	Facilities Requirements
44	2024	Fuel Improvements (24/7 Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
Total Project Cost at Airport			\$140,303,000	\$110,881,514				

Project Cost Totals by Contribution		
Federal Contribution	43.1%	\$ 60,497,730
State Contribution	3.8%	\$ 5,377,576
Airport Contribution	53.0%	\$ 74,427,694
Total		\$ 140,303,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 40,281,000	\$ 2,377,000	\$ 87,999,000	\$ 2,408,000	\$ -	\$ -	\$ -	\$ 7,238,000	\$ -	
28.7%	1.7%	62.7%	1.7%	0.0%	0.0%	0.0%	5.2%	0.0%	

Airport Code	PHF
Airport Name	Newport News-Williamsburg International
Airport Region	7
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Bond Debt South Corporate	\$ 215,000	\$ 210,000	\$ 193,500	\$ 17,200	\$ 4,300	ACIP
2	2015	Construction-Security Checkpoint Consolidation	\$ 15,513,000	\$ 15,120,000	\$ 9,075,105	\$ 806,676	\$ 5,631,219	ACIP
3	2015	Environmental Assesment	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
4	2014	SRE Broom	\$ 600,000	\$ 600,000	\$ 540,000	\$ 48,000	\$ 12,000	ACIP
5	2016	Bond Debt South Corporate	\$ 221,000	\$ 210,000	\$ 198,900	\$ 17,680	\$ 4,420	ACIP
6	2016	Design - Runway 7 & 2 Perimeter Road	\$ 221,000	\$ 210,000	\$ 198,900	\$ 17,680	\$ 4,420	ACIP
7	2016	Design - Taxiway A Shoulders and Lighting Upgrade	\$ 316,000	\$ 300,000	\$ 284,400	\$ 25,280	\$ 6,320	ACIP
8	2016	Obstruction Removal - Runway 20	\$ 139,000	\$ 132,000	\$ 125,100	\$ 11,120	\$ 2,780	ACIP
9	2016	Outbound Baggage Handling System Replacement (BHS)	\$ 1,263,000	\$ 1,200,000	\$ 1,136,700	\$ 101,040	\$ 25,260	ACIP
10	2016	Planning - Oriana Road Realignment	\$ 253,000	\$ 240,000	\$ 227,700	\$ 20,240	\$ 5,060	ACIP
11	2017	Bond Debt South Corporate	\$ 236,000	\$ 210,000	\$ 212,400	\$ 18,880	\$ 4,720	ACIP
12	2017	Construction - RW 7 & RW 2 Perimeter Road	\$ 2,160,000	\$ 1,920,000	\$ 1,944,000	\$ 172,800	\$ 43,200	ACIP
13	2017	Construction - Taxiway A Shoulders & Lighting Upgrade	\$ 3,712,000	\$ 3,300,000	\$ 3,340,800	\$ 296,960	\$ 74,240	ACIP
14	2017	Design - Apron Access Improvement Taxiway C, D, & B at Alpha	\$ 162,000	\$ 144,000	\$ 145,800	\$ 12,960	\$ 3,240	ACIP
15	2017	Design - Oriana Road Realignment	\$ 810,000	\$ 720,000	\$ 729,000	\$ 64,800	\$ 16,200	ACIP
16	2017	Planning - Dominion Power Line Relocation	\$ 337,000	\$ 300,000	\$ 303,300	\$ 26,960	\$ 6,740	ACIP
17	2018	Bond Debt South Corporate	\$ 246,000	\$ 210,000	\$ 221,400	\$ 19,680	\$ 4,920	ACIP
18	2018	Construction - Apron Access Improvement Taxiway C, D, & B at Alpha	\$ 1,544,000	\$ 1,320,000	\$ 1,389,600	\$ 123,520	\$ 30,880	ACIP
19	2018	Construction - Oriana Road Realignment	\$ 7,861,000	\$ 6,720,000	\$ 7,074,900	\$ 628,880	\$ 157,220	ACIP
20	2018	Design - Dominion Power Line Relocation	\$ 1,263,000	\$ 1,080,000	\$ 1,136,700	\$ 101,040	\$ 25,260	ACIP
21	2019	Bond Debt South Corporate	\$ 255,000	\$ 210,000	\$ 229,500	\$ 20,400	\$ 5,100	ACIP
22	2019	Design - Baggage Claim Expansion	\$ 730,000	\$ 600,000	\$ 427,050	\$ 37,960	\$ 264,990	ACIP
23	2019	Design - RW 2/20 Relocation	\$ 1,256,000	\$ 1,032,000	\$ 1,130,400	\$ 100,480	\$ 25,120	ACIP
24	2019	Design - Taxiway A, D, & J Improvements	\$ 1,606,000	\$ 1,320,000	\$ 1,445,400	\$ 128,480	\$ 32,120	ACIP
25	2019	Mid-Term 5 Yr Environmental Assessment	\$ 730,000	\$ 600,000	\$ 657,000	\$ 58,400	\$ 14,600	ACIP
26	2019	Obstruction Removal - RW 25 & RW 7	\$ 1,460,000	\$ 1,200,000	\$ 1,314,000	\$ 116,800	\$ 29,200	ACIP
27	2020	Bond Debt South Corporate	\$ 266,000	\$ 210,000	\$ 239,400	\$ 21,280	\$ 5,320	ACIP
28	2020	Construction - RW 2/20 Relocation	\$ 16,247,000	\$ 12,840,000	\$ 14,622,300	\$ 1,299,760	\$ 324,940	ACIP
29	TBD	T-Hangar Site Construction (6 Units)	\$ 2,784,000	\$ 1,880,525	\$ 2,505,600	\$ 222,720	\$ 55,680	ALP
30	TBD	T-Hangar Building Construction (6 Units)	\$ 560,000	\$ 378,000	\$ -	\$ -	\$ 560,000	ALP
31	TBD	Corporate Hangar Site Construction (15 Units 60' x 60')	\$ 9,279,000	\$ 6,268,416	\$ 8,351,100	\$ 742,320	\$ 185,580	ALP
32	TBD	Corporate Hangar Building Construction (15 Units 60' x 60')	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	ALP
33	TBD	Instrument Improvements (MASL - RW 25, PAPI RW 7 & RW 25)	\$ 518,000	\$ 350,000	\$ 466,200	\$ 41,440	\$ 10,360	Facilities Requirements
34	TBD	Fuel Improvements (24/7 and Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
35	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
36	TBD	RPZ Land Acquisition (Fee Simple)	\$ 19,000	\$ 13,000	\$ 17,100	\$ 1,520	\$ 380	Facilities Requirements
37	TBD	ALP and Master Plan Update	\$ 799,000	\$ 540,000	\$ 719,100	\$ 63,920	\$ 15,980	Facilities Requirements
38	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
Total Project Cost at Airport			\$77,565,000	\$64,462,941				

Project Cost Totals by Contribution		
Federal Contribution	79.1%	\$ 61,389,855
State Contribution	7.0%	\$ 5,456,876
Airport Contribution	13.8%	\$ 10,718,269
Total		\$ 77,565,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 32,140,000	\$ 518,000	\$ 17,595,000	\$ 8,924,000	\$ -	\$ 2,145,000	\$ -	\$ 16,243,000	\$ -
41.4%	0.7%	22.7%	11.5%	0.0%	2.8%	0.0%	20.9%	0.0%

Airport Code	ORF
Airport Name	Norfolk International
Airport Region	7
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2014	EIS Parallel Runway 5R/23L - Phase 1	\$ 2,705,000	\$ 2,704,858	\$ 2,434,500	\$ 216,400	\$ 54,100	ACIP
2	2014	Repair Parking Lots	\$ 1,080,000	\$ 1,080,000	\$ 972,000	\$ 86,400	\$ 21,600	ACIP
3	2014	Replace Chiller	\$ 960,000	\$ 960,000	\$ 864,000	\$ 76,800	\$ 19,200	ACIP
4	2014	Replace Energy Management System Control Panels	\$ 600,000	\$ 600,000	\$ 540,000	\$ 48,000	\$ 12,000	ACIP
5	2015	Airside Electrical Improvements	\$ 4,925,000	\$ 4,800,000	\$ 4,432,500	\$ 394,000	\$ 98,500	ACIP
6	2015	Airside Pavement Improvements	\$ 1,847,000	\$ 1,800,000	\$ 1,662,300	\$ 147,760	\$ 36,940	ACIP
7	2015	Construct Public Restrooms on Concourses	\$ 5,910,000	\$ 5,760,000	\$ 3,457,350	\$ 307,320	\$ 2,145,330	ACIP
8	2015	Expand TSA Checkpoint Concourse A	\$ 8,618,000	\$ 8,400,000	\$ 5,041,530	\$ 448,136	\$ 3,128,334	ACIP
9	2015	Install Seating in Concourse Holdrooms	\$ 739,000	\$ 720,000	\$ 432,315	\$ 38,428	\$ 268,257	ACIP
10	2015	Phase 2 Terminal Improvements	\$ 19,699,000	\$ 19,200,000	\$ 11,523,915	\$ 1,024,348	\$ 7,150,737	ACIP
11	2015	Purchase McLeskey Property	\$ 1,477,000	\$ 1,440,000	\$ 1,329,300	\$ 118,160	\$ 29,540	ACIP
12	2015	Replace Public Safety Radio Server	\$ 246,000	\$ 240,000	\$ -	\$ 196,800	\$ 49,200	ACIP
13	2015	Safety Management Study	\$ 154,000	\$ 150,000	\$ 138,600	\$ 12,320	\$ 3,080	ACIP
14	2015	EIS Parallel Runway 5R/23L - Phase 2	\$ 3,694,000	\$ 3,600,000	\$ 3,324,600	\$ 295,520	\$ 73,880	ACIP
15	2015	Phase 3 Terminal Improvements	\$ 6,156,000	\$ 6,000,000	\$ 3,601,260	\$ 320,112	\$ 2,234,628	ACIP
16	2017	Engineering Design RW 5R/23L	\$ 6,749,000	\$ 6,000,000	\$ 6,074,100	\$ 539,920	\$ 134,980	ACIP
17	2018	Construct RW 5R/23L	\$ 210,575,000	\$ 180,000,000	\$ 189,517,500	\$ 16,846,000	\$ 4,211,500	ACIP
18	2019	Construct RW 5R/23L	\$ 218,998,000	\$ 180,000,000	\$ 197,098,200	\$ 17,519,840	\$ 4,379,960	ACIP
19	TBD	Rehab Lighting	\$ 725,000	\$ 490,000	\$ 652,500	\$ 58,000	\$ 14,500	Sponsor Input
20	TBD	Concourse Renovation	\$ 10,362,000	\$ 7,000,000	\$ 6,061,770	\$ 538,824	\$ 3,761,406	Sponsor Input
21	TBD	New Concourse A Checkpoint	\$ 4,145,000	\$ 2,800,000	\$ 2,424,825	\$ 215,540	\$ 1,504,635	Sponsor Input
22	TBD	Future Cargo Apron Expansion (133,333 SY)	\$ 53,008,000	\$ 35,810,044	\$ 47,707,200	\$ 4,240,640	\$ 1,060,160	ALP
23	TBD	Future Concourse C Apron Expansion (64,444 SY)	\$ 25,620,000	\$ 17,308,112	\$ 23,058,000	\$ 2,049,600	\$ 512,400	ALP
24	TBD	Future Aviation Development Apron Expansion (47,222 SY)	\$ 18,773,000	\$ 12,682,696	\$ 16,895,700	\$ 1,501,840	\$ 375,460	ALP
25	TBD	Terminal Improvements (109,784 SF)	\$ 68,253,000	\$ 46,109,280	\$ 39,928,005	\$ 3,549,156	\$ 24,775,839	Facilities Requirements
26	TBD	Pavement Improvement (Runway, Taxiway, Apron)	\$ 40,828,000	\$ 27,581,785	\$ 36,745,200	\$ 3,266,240	\$ 816,560	Facilities Requirements
27	TBD	RPZ Land Acquisition (34.2 Acres Fee Simple)	\$ 658,000	\$ 444,600	\$ 592,200	\$ 52,640	\$ 13,160	Facilities Requirements
Total Project Cost at Airport			\$717,504,000	\$573,681,374				

Project Cost Totals by Contribution		
Federal Contribution	84.5%	\$ 606,509,370
State Contribution	7.5%	\$ 54,108,744
Airport Contribution	7.9%	\$ 56,885,886
Total		\$ 717,504,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 590,736,000	\$ -	\$ 1,560,000	\$ 1,080,000	\$ 246,000	\$ -	\$ -	\$ 123,882,000	\$ -	
82.3%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	17.3%	0.0%	

Airport Code	RIC
Airport Name	Richmond International
Airport Region	4
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	800 Megahertz Radio System Replacement	\$ 4,925,000	\$ 4,800,000	\$ 4,432,500	\$ 394,000	\$ 98,500	ACIP
2	2014	Airport Geographical Information System	\$ 360,000	\$ 360,000	\$ 324,000	\$ 28,800	\$ 7,200	ACIP
3	2015	North Cargo Apron Rehabilitation (Design/Construction)	\$ 883,000	\$ 861,000	\$ 794,700	\$ 70,640	\$ 17,660	ACIP
4	2015	North Vehicle Service Road Rehabilitation (Design/Construction)	\$ 215,000	\$ 210,000	\$ 193,500	\$ 17,200	\$ 4,300	ACIP
5	2015	Portugee Road Repairs	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
6	2015	Repair Taxiways E & L	\$ 154,000	\$ 150,000	\$ 138,600	\$ 12,320	\$ 3,080	ACIP
7	2015	Snow Removal Equipment Storage Building	\$ 11,696,000	\$ 11,400,000	\$ 10,526,400	\$ 935,680	\$ 233,920	ACIP
8	2015	Taxiway E & L Rehabilitation (Design)	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
9	2015	West General Aviation Apron Rehabilitation (Design/Construction)	\$ 163,000	\$ 159,000	\$ 146,700	\$ 13,040	\$ 3,260	ACIP
10	2016	CNG Fueling Station Airport Maintenance Facility (Design/Construction)	\$ 1,516,000	\$ 1,440,000	\$ -	\$ -	\$ 1,516,000	ACIP
11	2016	Security Checkpoint Widening (Design/Construction)	\$ 7,579,000	\$ 7,200,000	\$ 6,821,100	\$ 606,320	\$ 151,580	ACIP
12	2016	Taxiway E Rehabilitation (Construction)	\$ 7,579,000	\$ 7,200,000	\$ 6,821,100	\$ 606,320	\$ 151,580	ACIP
13	2016	Taxiway V Realignment /Reconstruction (Design/Construction)	\$ 2,438,000	\$ 2,316,000	\$ 2,194,200	\$ 195,040	\$ 48,760	ACIP
14	2017	Airport Rescue & Fire Fighting Vehicle	\$ 1,147,000	\$ 1,020,000	\$ 1,032,300	\$ 91,760	\$ 22,940	ACIP
15	2017	Taxiway K & T Improvements	\$ 2,538,000	\$ 2,256,000	\$ 2,284,200	\$ 203,040	\$ 50,760	ACIP
16	2017	Taxiway L Rehabilitation (Construction)	\$ 8,099,000	\$ 7,200,000	\$ 7,289,100	\$ 647,920	\$ 161,980	ACIP
17	2018	Concourse A "Old" Apron Rehabilitation	\$ 3,096,000	\$ 2,646,294	\$ 2,786,400	\$ 247,680	\$ 61,920	ACIP
18	2018	East Side General Aviation Apron Expansion	\$ 8,142,000	\$ 6,960,000	\$ 7,327,800	\$ 651,360	\$ 162,840	ACIP
19	2018	Runway 7-25 Conversion to Taxiway	\$ 9,827,000	\$ 8,400,000	\$ 8,844,300	\$ 786,160	\$ 196,540	ACIP
20	2019	Taxiway B Apron Expansion	\$ 19,345,000	\$ 15,900,000	\$ 17,410,500	\$ 1,547,600	\$ 386,900	ACIP
21	2019	Rehabilitate Airport Drive and Airport Service Roads	\$ 2,190,000	\$ 1,800,000	\$ 1,971,000	\$ 175,200	\$ 43,800	ACIP
22	2020	Concourse 'A' Building Expansion	\$ 27,998,000	\$ 22,127,518	\$ 16,378,830	\$ 1,455,896	\$ 10,163,274	ACIP
23	2020	RON Apron Expansion	\$ 17,278,000	\$ 13,655,002	\$ 15,550,200	\$ 1,382,240	\$ 345,560	ACIP
24	2020	Relocated GA and Commercial Aviation Maintenance	\$ 3,231,000	\$ 2,553,600	\$ 2,907,900	\$ 258,480	\$ 64,620	ALP
25	2020	Relocated Air Cargo Facilities	\$ 5,001,000	\$ 3,952,200	\$ 4,500,900	\$ 400,080	\$ 100,020	ALP
26	2020	Corporate Aviation Hangar Facilities	\$ 1,417,000	\$ 1,120,000	\$ -	\$ -	\$ 1,417,000	ALP
27	2020	Phase II Relocated FBO Facilities	\$ 2,126,000	\$ 1,680,000	\$ -	\$ -	\$ 2,126,000	ALP
28	2020	East Airside Access Road and Beulah Rd. Realignment	\$ 1,329,000	\$ 1,050,000	\$ 1,196,100	\$ 106,320	\$ 26,580	ALP
29	2020	Relocated ARFF Station	\$ 1,949,000	\$ 1,540,000	\$ 1,754,100	\$ 155,920	\$ 38,980	ALP
30	2020	Air Carrier Support Facilities	\$ 1,506,000	\$ 1,190,000	\$ -	\$ -	\$ 1,506,000	ALP
31	2020	Deicing and Diversion Apron	\$ 2,001,000	\$ 1,581,300	\$ 1,800,900	\$ 160,080	\$ 40,020	ALP
32	2020	Consolidated Rental Car Facility	\$ 4,001,000	\$ 3,161,900	\$ -	\$ -	\$ 4,001,000	ALP
33	2022	Pavement Rehabilitation	\$ 2,000,000	\$ 1,461,600	\$ 1,800,000	\$ 160,000	\$ 40,000	ALP
34	2022	Parallel RW 16R-34L and Taxiway	\$ 25,002,000	\$ 18,268,600	\$ 22,501,800	\$ 2,000,160	\$ 500,040	ALP
35	2022	RW 34R Extension	\$ 1,437,000	\$ 1,050,000	\$ 1,293,300	\$ 114,960	\$ 28,740	ALP
36	2022	Taxiway L Realignment	\$ 3,000,000	\$ 2,192,400	\$ 2,700,000	\$ 240,000	\$ 60,000	ALP
37	2022	Phase I Apron Expansion	\$ 1,341,000	\$ 980,000	\$ 1,206,900	\$ 107,280	\$ 26,820	ALP
38	2022	Phase II Concourse B Expansion	\$ 2,491,000	\$ 1,820,000	\$ 1,457,235	\$ 129,532	\$ 904,233	ALP
39	2022	Phase I Surface Parking	\$ 958,000	\$ 700,000	\$ 862,200	\$ 76,640	\$ 19,160	ALP
40	2022	Phase II New Terminal and Concourse C	\$ 5,365,000	\$ 3,920,000	\$ 3,138,525	\$ 278,980	\$ 1,947,495	ALP
41	2022	Remote Parking Garage	\$ 3,066,000	\$ 2,240,000	\$ 2,759,400	\$ 245,280	\$ 61,320	ALP
42	2022	Surface Parking and Parking Garage	\$ 4,024,000	\$ 2,940,000	\$ 3,621,600	\$ 321,920	\$ 80,480	ALP
43	2024	RW 16L Extension	\$ 3,109,000	\$ 2,100,000	\$ 2,798,100	\$ 248,720	\$ 62,180	ALP
44	2024	Future Heavy Aircraft Maintenance and Modifications	\$ 425,000	\$ 287,000	\$ -	\$ -	\$ 425,000	ALP

Airport Code	RIC
Airport Name	Richmond International
Airport Region	4
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
45	2024	Air Cargo Support Facilities	\$ 3,001,000	\$ 2,027,200	\$ -	\$ -	\$ 3,001,000	ALP
46	TBD	Conference Center	\$ 4,766,000	\$ 3,220,000	\$ -	\$ -	\$ 4,766,000	ALP
47	TBD	Regional Rail Connection	\$ 7,046,000	\$ 4,760,000	\$ 6,341,400	\$ 563,680	\$ 140,920	ALP
48	2024	Relocated Fuel Farm	\$ 3,001,000	\$ 2,027,200	\$ 2,700,900	\$ 240,080	\$ 60,020	ALP
49	TBD	Airport Maintenance Facility Expansion	\$ 500,000	\$ 338,100	\$ 450,000	\$ 40,000	\$ 10,000	ALP
50	TBD	Instrument Improvements (PAPI - RW 16 & RW 34)	\$ 207,000	\$ 140,000	\$ 186,300	\$ 16,560	\$ 4,140	Facilities Requirements
51	TBD	T-Hangar Site Construction (7 Units)	\$ 2,436,000	\$ 1,645,459	\$ 2,192,400	\$ 194,880	\$ 48,720	Facilities Requirements
52	TBD	T-Hangar Building Construction (7 Units)	\$ 653,000	\$ 441,000	\$ -	\$ -	\$ 653,000	Facilities Requirements
53	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
54	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements

Total Project Cost at Airport	\$234,545,000	\$189,318,372
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Project Cost Totals by Contribution		
Federal Contribution	77.7%	\$ 182,326,590
State Contribution	6.9%	\$ 16,206,808
Airport Contribution	15.4%	\$ 36,011,602
Total		\$ 234,545,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 155,127,000	\$ 207,000	\$ 11,557,000	\$ 23,861,000	\$ -	\$ 360,000	\$ 7,579,000	\$ 35,854,000	\$ -	
66.1%	0.1%	4.9%	10.2%	0.0%	0.2%	3.2%	15.3%	0.0%	

Airport Code	ROA
Airport Name	Roanoke-Blacksburg Regional
Airport Region	2
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2014	Improve RSA 6/24 Construct non-standard EMAS (Design)	\$ 600,000	\$ 600,000	\$ 540,000	\$ 48,000	\$ 12,000	ACIP
2	2015	Improve RSA 6/24 Construct non-standard EMAS (Construction Phase 1)	\$ 7,363,000	\$ 7,176,000	\$ 6,626,700	\$ 589,040	\$ 147,260	ACIP
3	2015	Acquire Land for Approaches - RPZ (6 homes)	\$ 2,955,000	\$ 2,880,000	\$ 2,659,500	\$ 236,400	\$ 59,100	ACIP
4	2015	Acquire ARFF Vehicle	\$ 1,231,000	\$ 1,200,000	\$ 1,107,900	\$ 98,480	\$ 24,620	ACIP
5	2016	Improve RSA 6/24 Construct non-standard EMAS (Construction Phase 2)	\$ 8,765,000	\$ 8,326,200	\$ 7,888,500	\$ 701,200	\$ 175,300	ACIP
6	2016	Acquire Land for Approaches - RPZ (1 apartment)	\$ 1,895,000	\$ 1,800,000	\$ 1,705,500	\$ 151,600	\$ 37,900	ACIP
7	2016	Improve RSA 15/33 EMAS Replacement	\$ 2,526,000	\$ 2,400,000	\$ 2,273,400	\$ 202,080	\$ 50,520	ACIP
8	2017	Improve RSA 6/24 Construct non-standard EMAS (Construction Phase 3)	\$ 9,366,000	\$ 8,326,200	\$ 8,429,400	\$ 749,280	\$ 187,320	ACIP
9	2017	Acquire Land for Approaches - RPZ (8 homes)	\$ 4,319,000	\$ 3,840,000	\$ 3,887,100	\$ 345,520	\$ 86,380	ACIP
10	2018	Acquire Land for Approaches - RPZ (boy scout / 3 apartments)	\$ 9,827,000	\$ 8,400,000	\$ 8,844,300	\$ 786,160	\$ 196,540	ACIP
11	2019	Acquire Land for Approaches - RPZ (hotel)	\$ 7,300,000	\$ 6,000,000	\$ 6,570,000	\$ 584,000	\$ 146,000	ACIP
12	2020	Construct Secondary Deicing Pad	\$ 5,773,000	\$ 4,562,600	\$ 5,195,700	\$ 461,840	\$ 115,460	ALP/MPU
13	2020	Stripe Compass Rose	\$ 15,000	\$ 12,000	\$ -	\$ 12,000	\$ 3,000	ALP/MPU
14	2021	Airfield Perimeter Road Improvements	\$ 4,503,000	\$ 3,421,600	\$ 4,052,700	\$ 360,240	\$ 90,060	ALP/MPU
15	2022	Terminal Apron Rehab	\$ 8,013,000	\$ 5,854,800	\$ 7,211,700	\$ 641,040	\$ 160,260	ALP/MPU
16	2015	Replace Slats in Bag Claim Belts	\$ 84,000	\$ 81,600	\$ -	\$ 67,200	\$ 16,800	ALP/MPU
17	2015	Plaza Area Security Improvements	\$ 701,000	\$ 682,800	\$ 630,900	\$ 56,080	\$ 14,020	ALP/MPU
18	2016	Upgrade FIDS/Intercom System	\$ 534,000	\$ 507,600	\$ 312,390	\$ 27,768	\$ 193,842	ALP/MPU
19	2016	Replace Concourse Roof	\$ 632,000	\$ 600,000	\$ 369,720	\$ 32,864	\$ 229,416	ALP/MPU
20	2017	Replace Terminal Gate Seating	\$ 337,000	\$ 300,000	\$ 197,145	\$ 17,524	\$ 122,331	ALP/MPU
21	2017	Replace Terminal Carpeting & Flooring	\$ 1,012,000	\$ 900,000	\$ 592,020	\$ 52,624	\$ 367,356	ALP/MPU
22	2021	E-ticket Kiosk Project	\$ 85,000	\$ 64,800	\$ -	\$ -	\$ 85,000	ALP/MPU
23	2019	Hold Bag Screening Project Phase I	\$ 1,825,000	\$ 1,500,000	\$ 1,642,500	\$ 146,000	\$ 36,500	ALP/MPU
24	2020	Hold Bag Screening Project Phase II	\$ 1,898,000	\$ 1,500,000	\$ 1,708,200	\$ 151,840	\$ 37,960	ALP/MPU
25	2021	Hold Bag Screening Project Phase III	\$ 1,974,000	\$ 1,500,000	\$ 1,776,600	\$ 157,920	\$ 39,480	ALP/MPU
26	2018	Second Floor Restroom Renovation	\$ 328,000	\$ 280,000	\$ -	\$ 262,400	\$ 65,600	ALP/MPU
27	2018	First Floor Restroom Expansion	\$ 557,000	\$ 476,000	\$ -	\$ 445,600	\$ 111,400	ALP/MPU
28	2019	Central Term'l Improv (inc. Mech, Sec, Chkpt, & Inbnd Bag)	\$ 5,008,000	\$ 4,116,000	\$ 2,929,680	\$ 260,416	\$ 1,817,904	ALP/MPU
29	2020	Add Loading Bridge Gate 3	\$ 514,000	\$ 406,000	\$ 300,690	\$ 26,728	\$ 186,582	ALP/MPU
30	2020	Concourse Restroom Expansion	\$ 266,000	\$ 210,000	\$ -	\$ 212,800	\$ 53,200	ALP/MPU
31	2020	Gate 1 Area Expansion	\$ 372,000	\$ 294,000	\$ 217,620	\$ 19,344	\$ 135,036	ALP/MPU
32	2021	Gate Reconfiguration	\$ 2,155,000	\$ 1,638,000	\$ 1,260,675	\$ 112,060	\$ 782,265	ALP/MPU
33	2022	Additional Concourse Concession Space	\$ 1,360,000	\$ 994,000	\$ -	\$ -	\$ 1,360,000	ALP/MPU
34	2020	Energy Savings Projects	\$ 531,000	\$ 420,000	\$ 310,635	\$ 27,612	\$ 192,753	ALP/MPU
35	2020	Front Façade Sun Screening	\$ 531,000	\$ 420,000	\$ 310,635	\$ 27,612	\$ 192,753	ALP/MPU
36	2023	Airport Administration Office Expansion	\$ 2,491,000	\$ 1,750,000	\$ 1,457,235	\$ 129,532	\$ 904,233	ALP/MPU
37	2025	Expand Ticketing & Outbound Bag Room	\$ 2,873,000	\$ 1,866,200	\$ -	\$ -	\$ 2,873,000	ALP/MPU
38	2023	Construct Consolidated GSE Storage Area	\$ 199,000	\$ 140,000	\$ -	\$ -	\$ 199,000	ALP/MPU
39	2018	Tunnel Rehab	\$ 819,000	\$ 700,000	\$ 737,100	\$ 65,520	\$ 16,380	ALP/MPU
40	2022	Tunnel Rehab	\$ 958,000	\$ 700,000	\$ 862,200	\$ 76,640	\$ 19,160	ALP/MPU
41	2028	Tunnel Rehab	\$ 2,424,000	\$ 1,400,000	\$ 2,181,600	\$ 193,920	\$ 48,480	ALP/MPU
42	2017	Rehab Terminal Roadway Entrance	\$ 1,260,000	\$ 1,120,000	\$ 1,134,000	\$ 100,800	\$ 25,200	ALP/MPU
43	2018	Terminal Loop Roadway Rehab & Drainage Imp	\$ 1,638,000	\$ 1,400,000	\$ 1,474,200	\$ 131,040	\$ 32,760	ALP/MPU

Airport Code	ROA
Airport Name	Roanoke-Blacksburg Regional
Airport Region	2
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
44	2019	Public Parking Lot Rehab	\$ 2,592,000	\$ 2,130,800	\$ 2,332,800	\$ 207,360	\$ 51,840	ALP/MPU
45	2020	Waypoint Dr./SIDA Access Gate Intersection Reconfig.	\$ 266,000	\$ 210,000	\$ 239,400	\$ 21,280	\$ 5,320	ALP/MPU
46	2021	Rehab Tug Road, Waypoint Dr., and Employee Lot	\$ 833,000	\$ 632,800	\$ 749,700	\$ 66,640	\$ 16,660	ALP/MPU
47	2022	Parking System Expansion/Reorg.	\$ 6,706,000	\$ 4,900,000	\$ 6,035,400	\$ 536,480	\$ 134,120	ALP/MPU
48	2024	Secondary Access Route Improvements	\$ 4,974,000	\$ 3,360,000	\$ 4,476,600	\$ 397,920	\$ 99,480	ALP/MPU
49	2017	Construct Large T-hangar Bdg, Apron & Auto Pkg	\$ 995,000	\$ 884,800	\$ -	\$ -	\$ 995,000	ALP/MPU
50	2022	Construct Medium T-hangar Bdg, Apron & Auto Pkg	\$ 634,000	\$ 463,400	\$ -	\$ -	\$ 634,000	ALP/MPU
51	2017	Construct One 4,800SF Conventional Hangar	\$ 1,102,000	\$ 980,000	\$ -	\$ -	\$ 1,102,000	ALP/MPU
52	2022	Construct One 4,800SF Conventional Hangar	\$ 1,341,000	\$ 980,000	\$ -	\$ -	\$ 1,341,000	ALP/MPU
53	2024	Construct New FBO Bdg, Roadways, & Parking	\$ 3,865,000	\$ 2,611,000	\$ -	\$ -	\$ 3,865,000	ALP/MPU
54	2024	Construct New Wash Rack	\$ 207,000	\$ 140,000	\$ 186,300	\$ 16,560	\$ 4,140	ALP/MPU
55	2017	Construct Tanker Circulation Road	\$ 660,000	\$ 586,600	\$ 594,000	\$ 52,800	\$ 13,200	ALP/MPU
56	2018	Relocate Glycol Storage Facility	\$ 409,000	\$ 350,000	\$ 368,100	\$ 32,720	\$ 8,180	ALP/MPU
57	2025	Relocate Lavatory Disposal Facility	\$ 539,000	\$ 350,000	\$ -	\$ -	\$ 539,000	ALP/MPU
58	2021	Airfield Fire Hydrants	\$ 1,529,000	\$ 1,162,000	\$ -	\$ -	\$ 1,529,000	ALP/MPU
59	2023	Airline Maintenance Hangar Apron	\$ 1,068,000	\$ 750,400	\$ 961,200	\$ 85,440	\$ 21,360	ALP/MPU
60	2022	Land Acquisition (Cargo-related)	\$ 4,971,000	\$ 3,632,200	\$ 4,473,900	\$ 397,680	\$ 99,420	ALP/MPU
61	2020	Land Acquisition (Term'l Auto Pkg-related)	\$ 4,884,000	\$ 3,859,700	\$ 4,395,600	\$ 390,720	\$ 97,680	ALP/MPU
62	2028	Land Acquisition (Other)	\$ 66,876,000	\$ 38,619,100	\$ 60,188,400	\$ 5,350,080	\$ 1,337,520	ALP/MPU
63	2018	Noise Program - Sound Insulation I	\$ 3,104,000	\$ 2,653,000	\$ 2,793,600	\$ 248,320	\$ 62,080	ALP/MPU
64	2020	Noise Program - Sound Insulation II	\$ 7,086,000	\$ 5,600,000	\$ 6,377,400	\$ 566,880	\$ 141,720	ALP/MPU
65	2022	Purchase Snow Removal Equipment	\$ 4,448,000	\$ 3,250,000	\$ 4,003,200	\$ 355,840	\$ 88,960	ALP/MPU
66	2015	Master Plan Update	\$ 1,231,000	\$ 1,200,000	\$ 1,107,900	\$ 98,480	\$ 24,620	ALP/MPU
67	2017	MALS (RW24)	\$ 236,000	\$ 210,000	\$ 212,400	\$ 18,880	\$ 4,720	Facilities Requirements
68	2017	PAPI (RW6 & RW24)	\$ 157,000	\$ 140,000	\$ 141,300	\$ 12,560	\$ 3,140	Facilities Requirements
69	2017	Fuel Card Reader	\$ 39,000	\$ 35,000	\$ 35,100	\$ 3,120	\$ 780	Facilities Requirements
70	2022	Pavement Rehab. (Runway, Taxiway, Apron, Taxilane)	\$ 17,386,000	\$ 12,703,880	\$ 15,647,400	\$ 1,390,880	\$ 347,720	Facilities Requirements

Total Project Cost at Airport	\$245,955,000	\$183,161,080
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Project Cost Totals by Contribution		
Federal Contribution	82.4%	\$ 202,717,845
State Contribution	7.7%	\$ 19,019,364
Airport Contribution	9.8%	\$ 24,217,791
Total		\$ 245,955,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 168,626,000	\$ 157,000	\$ 16,339,000	\$ 33,320,000	\$ 15,000	\$ 1,231,000	\$ 6,398,000	\$ 19,869,000	\$ -	
68.6%	0.1%	6.6%	13.5%	0.0%	0.5%	2.6%	8.1%	0.0%	

Airport Code	SHD
Airport Name	Shenandoah Valley Regional
Airport Region	2
Airport Category	Commercial Service
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE									
Project Number	Year	Project Name	Project Type	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Acquire New ARFF Vehicle	FS&E	\$ 923,000	\$ 900,000	\$ 830,700	\$ 73,840	\$ 18,460	ACIP
2	2015	Acquire New Field Maint. Tractor	FS&E	\$ 123,000	\$ 120,000	\$ 110,700	\$ 9,840	\$ 2,460	ACIP
3	2015	Acquire Snow Removal Equipment	FS&E	\$ 400,000	\$ 390,000	\$ 360,000	\$ 32,000	\$ 8,000	ACIP
4	2015	Construct Entrance Sign - Package & Bidding	Landside	\$ 123,000	\$ 120,000	\$ 110,700	\$ 9,840	\$ 2,460	ACIP
5	2015	Construct Entrance Sign - Construction	Landside	\$ 123,000	\$ 120,000	\$ 110,700	\$ 9,840	\$ 2,460	ACIP
6	2015	Court Yard Landscaping - Package & Bidding	Landside	\$ 18,000	\$ 18,000	\$ 16,200	\$ 1,440	\$ 360	ACIP
7	2015	EA for 5-year Program	Planning	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
8	2015	Expand Air Carrier Apron - Design	Airside	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
9	2015	Expand Air Carrier Apron - Construction	Airside	\$ 308,000	\$ 300,000	\$ 277,200	\$ 24,640	\$ 6,160	ACIP
10	2015	Expand Air Carrier Terminal - Design	Terminal	\$ 92,000	\$ 90,000	\$ -	\$ 73,600	\$ 18,400	ACIP
11	2015	Expand Air Carrier Terminal - Construction	Terminal	\$ 492,000	\$ 480,000	\$ 287,820	\$ 25,584	\$ 178,596	ACIP
12	2015	Fuel Truck Parking Pad - Design	FS&E	\$ 37,000	\$ 36,000	\$ 33,300	\$ 2,960	\$ 740	ACIP
13	2016	Court Yard Landscaping - Construction	Landside	\$ 126,000	\$ 120,000	\$ 113,400	\$ 10,080	\$ 2,520	ACIP
14	2016	Fuel Truck Parking Pad - Construction	FS&E	\$ 95,000	\$ 90,000	\$ 85,500	\$ 7,600	\$ 1,900	ACIP
15	2016	Hangar #6 Site - Package & Bid	FS&E	\$ 63,000	\$ 60,000	\$ 56,700	\$ 5,040	\$ 1,260	ACIP
16	2016	Install RTR	FS&E	\$ 101,000	\$ 96,000	\$ 90,900	\$ 8,080	\$ 2,020	ACIP
17	2017	Hangar #6 Site - Construct	FS&E	\$ 108,000	\$ 96,000	\$ 97,200	\$ 8,640	\$ 2,160	ACIP
18	2018	Runway Extension (500' x 150')	Airside	\$ 5,615,000	\$ 4,800,000	\$ 5,053,500	\$ 449,200	\$ 112,300	ACIP
19	2019	Acquire Parcel 37	Airside	\$ 511,000	\$ 420,000	\$ 459,900	\$ 40,880	\$ 10,220	ACIP
20	2019	Taxiway Adjustment for non-standard taxiway	Airside	\$ 10,220,000	\$ 8,400,000	\$ 9,198,000	\$ 817,600	\$ 204,400	Sponsor Input
21	2020	Control Tower - Design	Airside	\$ 190,000	\$ 150,000	\$ 171,000	\$ 15,200	\$ 3,800	ACIP
22	2021	Control Tower - Construction	Airside	\$ 3,421,000	\$ 2,600,000	\$ 3,078,900	\$ 273,680	\$ 68,420	2006 ALP
23	2024	Cargo Building Site Construction (1 Unit 150' x 150')	FS&E	\$ 1,952,000	\$ 1,318,441	\$ 1,756,800	\$ 156,160	\$ 39,040	2006 ALP
24	2024	Cargo Building Construction (1 Unit 150' x 150')	FS&E	\$ 207,000	\$ 140,000	\$ -	\$ -	\$ 207,000	2006 ALP
25	2022	Corporate Hangar Site Construction (12 Units 60' x 60')	FS&E	\$ 5,973,000	\$ 4,364,494	\$ 5,375,700	\$ 477,840	\$ 119,460	2006 ALP
26	2022	Corporate Hangar Building Construction (12 Units 60' x 60')	FS&E	\$ 2,299,000	\$ 1,680,000	\$ -	\$ -	\$ 2,299,000	2006 ALP
27	2025	Avigation Easement Acquisition (26.8 Acres Fee Simple)	Airside	\$ 536,000	\$ 348,400	\$ 482,400	\$ 42,880	\$ 10,720	2006 ALP
28	2025	Beacon Installation	F&E	\$ 108,000	\$ 70,000	\$ 97,200	\$ 8,640	\$ 2,160	2006 ALP
29	2025	T-Hangar Site Construction (16 Units)	FS&E	\$ 6,719,000	\$ 4,364,494	\$ 6,047,100	\$ 537,520	\$ 134,380	2006 ALP
30	2025	T-Hangar Building Construction (16 Units)	FS&E	\$ 1,552,000	\$ 1,008,000	\$ -	\$ -	\$ 1,552,000	2006 ALP
31	2025	Auto Parking and Rental Car Prep Area (10,000 SY)	Landside	\$ 383,000	\$ 248,964	\$ 344,700	\$ 30,640	\$ 7,660	Facilities Requirements
32	2025	Connector Taxiway to Cargo Ramp (300' x 50')	Airside	\$ 625,000	\$ 405,840	\$ 562,500	\$ 50,000	\$ 12,500	2006 ALP
33	2035	Fuel Farm Expansion	FS&E	\$ 207,000	\$ 91,000	\$ 186,300	\$ 16,560	\$ 4,140	2006 ALP
34	2035	Land Acquisition - Future Aviation Related Use (5 Acres)	Airside	\$ 148,000	\$ 65,000	\$ 133,200	\$ 11,840	\$ 2,960	2006 ALP
35	2025	Install MALS - RW 23	Airside	\$ 323,000	\$ 210,000	\$ 290,700	\$ 25,840	\$ 6,460	Facilities Requirements
36	2025	Apron Area Expansion (27,566 SY)	Airside	\$ 9,510,000	\$ 6,177,258	\$ 8,559,000	\$ 760,800	\$ 190,200	Facilities Requirements
37	2025	Terminal Building Expansion (9702 SF)	Terminal	\$ 6,272,000	\$ 4,074,000	\$ 3,669,120	\$ 326,144	\$ 2,276,736	Facilities Requirements
38	2025	Master Plan and ALP Update	Planning	\$ 831,000	\$ 540,000	\$ 747,900	\$ 66,480	\$ 16,620	Facilities Requirements

Total Project Cost at Airport	\$61,412,000	\$45,171,890
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Project Cost Totals by Contribution		
Federal Contribution	80.4%	\$ 49,405,140
State Contribution	7.3%	\$ 4,465,168
Airport Contribution	12.3%	\$ 7,541,692
Total		\$ 61,412,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 31,469,000	\$ 108,000	\$ 20,759,000	\$ 773,000	\$ -	\$ 1,447,000	\$ -	\$ 6,856,000	\$ -	
51.2%	0.2%	33.8%	1.3%	0.0%	2.4%	0.0%	11.2%	0.0%	

Development Costs for Reliever Airports

Airport Code	CPK
Airport Name	Chesapeake Regional
Airport Region	7
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2014	Repair MALSR Control Cabinet - Deductable Amount	\$ 14,000	\$ 14,000	\$ -	\$ 11,200	\$ 2,800	VATSP Review
2	2014	Crack-Seal, Seal Coat and Re-Mark Runway, Taxiways, Aprons and Access Road (\$ 300,000	\$ 300,000	\$ -	\$ 240,000	\$ 60,000	VATSP Review
3	2015	Obstruction Removal - Easement Acquisition (20 Acres)	\$ 270,000	\$ 260,000	\$ 243,000	\$ 21,600	\$ 5,400	VATSP Review
4	2015	North Terminal Area Apron - Phase 1 (Construction)	\$ 1,576,000	\$ 1,536,000	\$ 1,418,400	\$ 126,080	\$ 31,520	ACIP
5	2015	Obstruction Removal - Easement Services & Acquisition	\$ 985,000	\$ 960,000	\$ 886,500	\$ 78,800	\$ 19,700	ACIP
6	2015	North Terminal - Hangar No. 21 ("O") Building (Construction)	\$ 369,000	\$ 360,000	\$ -	\$ -	\$ 369,000	ACIP
7	2015	North Terminal - Hangar No. 21 ("O") Site/Parking (Construction)	\$ 308,000	\$ 300,000	\$ 277,200	\$ 24,640	\$ 6,160	ACIP
8	2015	North Terminal - Hangar No. 21 ("O") Site/Parking (Design)	\$ 49,000	\$ 48,000	\$ 44,100	\$ 3,920	\$ 980	ACIP
9	2016	North Terminal Area Apron - Phase 2 (Construction)	\$ 1,794,000	\$ 1,704,000	\$ 1,614,600	\$ 143,520	\$ 35,880	ACIP
10	2016	Obstruction Removal - Off-Airport (Design)	\$ 177,000	\$ 168,000	\$ 159,300	\$ 14,160	\$ 3,540	ACIP
11	2017	Hangar Road Ph 1 & T-Hangar Parking Ph 1 Site (Design)	\$ 74,000	\$ 66,000	\$ 66,600	\$ 5,920	\$ 1,480	ACIP
12	2017	Hangar Road Ph 1 & T-Hangar Parking Ph 1 Site (Construction)	\$ 378,000	\$ 336,000	\$ 340,200	\$ 30,240	\$ 7,560	ACIP
13	2016	North Terminal - Hangar No. 22 ("P") Site/Parking (Design)	\$ 52,000	\$ 48,000	\$ 46,800	\$ 4,160	\$ 1,040	ACIP
14	2016	North Terminal - Hangar No. 22 ("P") Site/Parking (Construction)	\$ 324,000	\$ 300,000	\$ 291,600	\$ 25,920	\$ 6,480	ACIP
15	2016	North Terminal - Hangar No. 22 ("P") Building (Construction)	\$ 389,000	\$ 360,000	\$ -	\$ -	\$ 389,000	ACIP
16	2017	North Terminal Area Apron - Phase 3 (Design)	\$ 202,000	\$ 180,000	\$ 181,800	\$ 16,160	\$ 4,040	ACIP
17	2017	Obstruction Removal - Off-Airport - Silviculture (20 Acres)	\$ 270,000	\$ 240,000	\$ 243,000	\$ 21,600	\$ 5,400	ACIP
18	2018	North Terminal Area Apron - Phase 3 (Construction)	\$ 1,572,000	\$ 1,344,000	\$ 1,414,800	\$ 125,760	\$ 31,440	ACIP
19	2017	T-Hangars ("R" & "S") (Construction)	\$ 945,000	\$ 840,000	\$ -	\$ -	\$ 945,000	ACIP
20	TBD	Instrument Improvements (MALSR RW 23)	\$ 311,000	\$ 210,000	\$ 279,900	\$ 24,880	\$ 6,220	Facilities Requirements
21	TBD	Communication Improvements (RTR)	\$ 166,000	\$ 112,000	\$ 149,400	\$ 13,280	\$ 3,320	Facilities Requirements
22	TBD	T-Hangar Site Construction (60 Units)	\$ 27,836,000	\$ 18,805,248	\$ 25,052,400	\$ 2,226,880	\$ 556,720	Facilities Requirements
23	TBD	T-Hangar Building Construction (60 Units)	\$ 5,595,000	\$ 3,780,000	\$ -	\$ -	\$ 5,595,000	Facilities Requirements
24	TBD	Corporate Hangar Site Construction (8 Units 80' x 80')	\$ 714,000	\$ 482,081	\$ 642,600	\$ 57,120	\$ 14,280	Facilities Requirements
25	TBD	Corporate Hangar Building Construction (8 Units 80' x 80')	\$ 1,658,000	\$ 1,120,000	\$ -	\$ -	\$ 1,658,000	Facilities Requirements
26	TBD	Apron Expansion (63,351 SY)	\$ 25,186,000	\$ 17,014,558	\$ 22,667,400	\$ 2,014,880	\$ 503,720	Facilities Requirements
27	TBD	Airport Parking Expansion (110 Spaces)	\$ 593,000	\$ 400,400	\$ -	\$ -	\$ 593,000	Facilities Requirements
28	TBD	Fuel Improvements (24/7 Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
29	TBD	RPZ Improvements (18.3 Acres Fee Simple)	\$ 325,000	\$ 219,600	\$ 292,500	\$ 26,000	\$ 6,500	Facilities Requirements
Total Project Cost at Airport			\$72,484,000	\$51,542,887				

Project Cost Totals by Contribution		
Federal Contribution	77.8%	\$ 56,358,900
State Contribution	7.3%	\$ 5,260,880
Airport Contribution	15.0%	\$ 10,864,220
Total		\$ 72,484,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 32,834,000	\$ -	\$ 38,291,000	\$ 1,045,000	\$ 314,000	\$ -	\$ -	\$ -	\$ -	
45.3%	0.0%	52.8%	1.4%	0.4%	0.0%	0.0%	0.0%	0.0%	

Airport Code	PVG
Airport Name	Hampton Roads Executive
Airport Region	7
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Corporate Hangar Site (Construction)	\$ 308,000	\$ 300,000	\$ 277,200	\$ 24,640	\$ 6,160	ACIP
2	2015	Terminal Area Hangars (Short Form Environmental Assessment)	\$ 142,000	\$ 138,000	\$ 127,800	\$ 11,360	\$ 2,840	ACIP
3	2016	Terminal Apron Expansion - Phase 1 (Construction)	\$ 4,042,000	\$ 3,840,000	\$ 3,637,800	\$ 323,360	\$ 80,840	ACIP
4	2017	Easement Acquisition - Runway 28 Approach (Land Services Bridge Loan)	\$ 270,000	\$ 240,000	\$ 243,000	\$ 21,600	\$ 5,400	ACIP
5	2018	Easement Acquisition - Runway 28 Approach (Services & Acquisition)	\$ 1,404,000	\$ 1,200,000	\$ 1,263,600	\$ 112,320	\$ 28,080	ACIP
6	2018	Terminal Apron Expansion - Phase 2 (Design)	\$ 168,000	\$ 144,000	\$ 151,200	\$ 13,440	\$ 3,360	ACIP
7	2019	Terminal Apron Expansion - Phase 2 (Construction)	\$ 3,212,000	\$ 2,640,000	\$ 2,890,800	\$ 256,960	\$ 64,240	ACIP
8	2019	Land Acquisition for Airport and Research Park	\$ 4,161,000	\$ 3,420,000	\$ 3,744,900	\$ 332,880	\$ 83,220	ACIP
9	TBD	Corporate Hangar Site Construction (1 Unit 60' x 60')	\$ 592,000	\$ 399,750	\$ 532,800	\$ 47,360	\$ 11,840	ALP
10	2024	Corporate Hangar Building Construction (1 Unit 60' x 60')	\$ 1,658,000	\$ 1,120,000	\$ -	\$ -	\$ 1,658,000	ALP
11	TBD	Runway Extension (150' x 100')	\$ 727,000	\$ 490,845	\$ 654,300	\$ 58,160	\$ 14,540	Facilities Requirements
12	TBD	T-Hangar Site Construction (21)	\$ 9,753,000	\$ 6,588,540	\$ 8,777,700	\$ 780,240	\$ 195,060	Facilities Requirements
13	TBD	T-Hangar Building Construction (21)	\$ 1,958,000	\$ 1,323,000	\$ -	\$ -	\$ 1,958,000	Facilities Requirements
14	TBD	Apron Expansion (248,153 SY)	\$ 98,655,000	\$ 66,647,940	\$ 88,789,500	\$ 7,892,400	\$ 1,973,100	Facilities Requirements
15	TBD	Primary Runway Strength Improvements (17,500)	\$ 3,039,000	\$ 2,053,330	\$ 2,735,100	\$ 243,120	\$ 60,780	Facilities Requirements
16	TBD	Instrument Improvements (MALSR - RW 10, MALSR RW 28)	\$ 622,000	\$ 420,000	\$ 559,800	\$ 49,760	\$ 124,400	Facilities Requirements
17	TBD	Communication Improvements (RTR)	\$ 166,000	\$ 112,000	\$ 149,400	\$ 13,280	\$ 33,200	Facilities Requirements
18	TBD	Auto Parking Expansion (126 Spaces)	\$ 6,789,000	\$ 4,586,400	\$ 6,110,100	\$ 543,120	\$ 135,780	Facilities Requirements
19	TBD	Pavment Improvement (Apron)	\$ 15,073,000	\$ 10,182,480	\$ 13,565,700	\$ 1,205,840	\$ 301,460	Facilities Requirements
20	TBD	RPZ Land Acquisition (4.6 Acres Fee Simple)	\$ 89,000	\$ 59,800	\$ 80,100	\$ 7,120	\$ 1,780	Facilities Requirements
21	TBD	Master Plan and ALP Update	\$ 799,000	\$ 540,000	\$ 719,100	\$ 63,920	\$ 15,980	Facilities Requirements
Total Project Cost at Airport			\$153,627,000	\$106,446,085				

Project Cost Totals by Contribution		
Federal Contribution	87.9%	\$ 135,009,900
State Contribution	7.8%	\$ 12,000,880
Airport Contribution	4.4%	\$ 6,758,060
Total		\$ 153,627,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 130,840,000	\$ 788,000	\$ 14,411,000	\$ 6,789,000	\$ -	\$ 799,000	\$ -	\$ -	\$ -	
85.2%	0.5%	9.4%	4.4%	0.0%	0.5%	0.0%	0.0%	0.0%	

Airport Code	OFF
Airport Name	Hanover County Municipal
Airport Region	4
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	East Taxiway Apron Design, Phase I and II	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
2	2016	Land Acquisition - Avigation Easement RW 16 Approach	\$ 330,000	\$ 313,772	\$ 297,000	\$ 26,400	\$ 6,600	ACIP
3	2017	East Taxiway Apron Construction, Including Construction Management	\$ 5,521,000	\$ 4,908,000	\$ 4,968,900	\$ 441,680	\$ 110,420	ACIP
4	2017	Land Acquisition (Foley / Leadbetter)	\$ 2,626,000	\$ 2,334,240	\$ 2,363,400	\$ 210,080	\$ 52,520	ACIP
5	2018	Obstruction Removal - Design Runway 16 Approach	\$ 168,000	\$ 144,000	\$ 151,200	\$ 13,440	\$ 3,360	ACIP
6	2018	Phase II East Taxiway Apron Construction (Including CPS)	\$ 5,742,000	\$ 4,908,000	\$ 5,167,800	\$ 459,360	\$ 114,840	ACIP
7	2018	Master Plan Update	\$ 632,000	\$ 540,000	\$ 568,800	\$ 50,560	\$ 12,640	Sponsor Input
8	2019	Design Terminal Facilities, Apron, Automobile Parking	\$ 401,000	\$ 330,000	\$ 360,900	\$ 32,080	\$ 8,020	ACIP
9	2019	Land Acquisition, Approach North Runway 16, HLP Property	\$ 1,452,000	\$ 1,193,821	\$ 1,306,800	\$ 116,160	\$ 29,040	ACIP
10	2020	Jet Fuel Tank Replacement	\$ 219,000	\$ 172,800	\$ 197,100	\$ 17,520	\$ 4,380	ACIP
11	TBD	East Side T-Hangar Site Construction (60 Units)	\$ 20,877,000	\$ 14,103,936	\$ 18,789,300	\$ 1,670,160	\$ 417,540	Sponsor Input
12	TBD	East Side T-Hangar Building Construction (60 Units)	\$ 5,595,000	\$ 3,780,000	\$ -	\$ -	\$ 5,595,000	Sponsor Input
13	TBD	New Apron Pavement (44,196 SY)	\$ 13,583,000	\$ 8,921,274	\$ 12,224,700	\$ 1,086,640	\$ 271,660	Sponsor Input
14	TBD	Runway extension	\$ 596,000	\$ 391,314	\$ 536,400	\$ 47,680	\$ 11,920	Facilities Requirements
15	TBD	Approach Lighting	\$ 746,000	\$ 490,000	\$ 671,400	\$ 59,680	\$ 14,920	Facilities Requirements
16	TBD	New East Side Terminal Building (4140 SF)	\$ 2,647,000	\$ 1,738,800	\$ -	\$ 1,376,440	\$ 1,270,560	Sponsor Input
17	TBD	Auto Parking Expansion (96 Spaces)	\$ 532,000	\$ 349,440	\$ 478,800	\$ 42,560	\$ 10,640	Facilities Requirements
18	TBD	Fuel Improvements (24/7 and AVGAS Card Reader)	\$ 49,000	\$ 32,500	\$ 44,100	\$ 3,920	\$ 980	Facilities Requirements
19	TBD	Pavement Rehab (Runway and Apron)	\$ 25,691,000	\$ 16,874,095	\$ 23,121,900	\$ 2,055,280	\$ 513,820	Facilities Requirements
Total Project Cost at Airport			\$88,023,000	\$62,125,992				

Project Cost Totals by Contribution		
Federal Contribution	81.6%	\$ 71,802,900
State Contribution	8.8%	\$ 7,758,920
Airport Contribution	9.6%	\$ 8,461,180
Total		\$ 88,023,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 43,010,000	\$ 746,000	\$ 26,472,000	\$ 14,516,000	\$ -	\$ 632,000	\$ -	\$ 2,647,000	\$ -
48.9%	0.8%	30.1%	16.5%	0.0%	0.7%	0.0%	3.0%	0.0%

Airport Code	JYO
Airport Name	Leesburg Executive
Airport Region	3
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Airport Storm Water Management Plan / Drainage Study	\$ 123,000	\$ 120,000	\$ 110,700	\$ 9,840	\$ 2,460	ACIP
2	2015	Wildlife Hazard Assessment	\$ 74,000	\$ 72,000	\$ 66,600	\$ 5,920	\$ 1,480	ACIP
3	2016	Airport Master Plan Update	\$ 505,000	\$ 480,000	\$ 454,500	\$ 40,400	\$ 10,100	ACIP
4	2019	Maintenance Equipment Storage Building & Site (Design)	\$ 73,000	\$ 60,000	\$ -	\$ 58,400	\$ 14,600	ACIP
5	2019	North End Hangar Complex (Design) (22 T- Hangars and 5-6 Corporate Hangars)	\$ 219,000	\$ 180,000	\$ 197,100	\$ 17,520	\$ 4,380	ACIP/Sponsor Input
6	2019	Taxiway/Runway Lighting System & Vault Modification (Design)	\$ 146,000	\$ 120,000	\$ 131,400	\$ 11,680	\$ 2,920	ACIP
7	2020	Maintenance Equipment Storage Building & Site (Construction)	\$ 531,000	\$ 420,000	\$ -	\$ 424,800	\$ 106,200	ACIP
8	2020	North End Hangar Complex Site (Construction)	\$ 1,518,000	\$ 1,200,000	\$ 1,366,200	\$ 121,440	\$ 30,360	ACIP
9	2020	ODALS - Land Services & Acquisition	\$ 531,000	\$ 420,000	\$ 477,900	\$ 42,480	\$ 10,620	ACIP
10	2020	Taxiway/Runway Lighting System & Vault Modification (Construction)	\$ 1,518,000	\$ 1,200,000	\$ 1,366,200	\$ 121,440	\$ 30,360	ACIP
11	2024	Intrument Improvements (MALSR RW 17, MALS RW 35)	\$ 622,000	\$ 420,000	\$ 559,800	\$ 49,760	\$ 12,440	Facilities Requirements
12	2024	Visual Aid Improvements (Light Wind Cone)	\$ 21,000	\$ 14,000	\$ 18,900	\$ 1,680	\$ 420	Facilities Requirements
13	2024	Runway Extension (500' x 100')	\$ 1,816,000	\$ 1,226,965	\$ 1,634,400	\$ 145,280	\$ 36,320	Sponsor Input
14	2024	Apron Area (13,198 SY)	\$ 3,935,000	\$ 2,658,500	\$ 3,541,500	\$ 314,800	\$ 78,700	Facilities Requirements
15	2024	Auto Parking Expansion (359 spaces)	\$ 1,934,000	\$ 1,306,760	\$ 1,740,600	\$ 154,720	\$ 38,680	Facilities Requirements
16	2024	Fuel Improvements (24/7 Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
17	2024	Pavement Rehab (Apron, Taxilane)	\$ 16,850,000	\$ 11,383,120	\$ 15,165,000	\$ 1,348,000	\$ 337,000	Facilities Requirements
18	2024	RSA Improvements	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
19	2024	RPZ Land Acquisition (18.0 Acres Fee Simple)	\$ 346,000	\$ 234,000	\$ 311,400	\$ 27,680	\$ 6,920	Facilities Requirements
20	2024	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
21	2024	ROFA Improvements	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
22	2024	Master Plan and ALP Update	\$ 799,000	\$ 540,000	\$ 719,100	\$ 63,920	\$ 15,980	Facilities Requirements
23	2024	Roadway Relocation	\$ 2,072,000	\$ 1,400,000	\$ 1,864,800	\$ 165,760	\$ 41,440	Sponsor Input
24	2024	ATCT	\$ 5,181,000	\$ 3,500,000	\$ 4,662,900	\$ 414,480	\$ 103,620	Sponsor Input

Total Project Cost at Airport	\$39,228,000	\$27,235,344
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Project Cost Totals by Contribution		
Federal Contribution	88.6%	\$ 34,761,600
State Contribution	9.1%	\$ 3,573,120
Airport Contribution	2.3%	\$ 893,280
Total		\$ 39,228,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 30,882,000	\$ 643,000	\$ 2,393,000	\$ 4,006,000	\$ -	\$ 1,304,000	\$ -	\$ -	\$ -	
78.7%	1.6%	6.1%	10.2%	0.0%	3.3%	0.0%	0.0%	0.0%	

Airport Code	HEF
Airport Name	Manassas Regional
Airport Region	3
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Airfield Sign & Marking Plan	\$ 34,000	\$ 33,600	\$ 30,600	\$ 2,720	\$ 680	ACIP
2	2015	Airport Landscaping	\$ 43,000	\$ 42,000	\$ 38,700	\$ 3,440	\$ 860	ACIP
3	2015	EA for West Side Airport Study	\$ 308,000	\$ 300,000	\$ 277,200	\$ 24,640	\$ 6,160	ACIP
4	2015	Installation for MALS for Runway 34R	\$ 492,000	\$ 480,000	\$ 442,800	\$ 39,360	\$ 9,840	ACIP
5	2015	New Airport Signage	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
6	2014	Glen-Gerry Property Reimbursment	\$ 1,882,000	\$ 1,881,600	\$ 1,882,000	\$ -	\$ -	ACIP
7	2016	West Apron Rehabilitation and Expansion (Design)	\$ 379,000	\$ 360,000	\$ 341,100	\$ 30,320	\$ 7,580	ACIP
8	2017	Economic Impact Study	\$ 67,000	\$ 60,000	\$ 60,300	\$ 5,360	\$ 1,340	ACIP
9	2017	South West Taxilane and Apron Rehabilitation (Design)	\$ 270,000	\$ 240,000	\$ 243,000	\$ 21,600	\$ 5,400	ACIP
10	2017	West Apron Expansion and Rehabilitation (Construction)	\$ 4,050,000	\$ 3,600,000	\$ 3,645,000	\$ 324,000	\$ 81,000	ACIP
11	2018	16R/34L Runway Rehabilitation (Design only)	\$ 281,000	\$ 240,000	\$ 252,900	\$ 22,480	\$ 5,620	ACIP
12	2018	South West Taxilane and Apron Rehabilitation (Construction)	\$ 281,000	\$ 240,000	\$ 252,900	\$ 22,480	\$ 5,620	ACIP
13	2019	16R/34L Runway Rehabilitation	\$ 2,920,000	\$ 2,400,000	\$ 2,628,000	\$ 233,600	\$ 58,400	ACIP
14	2019	Rehabilitate Taxiway A	\$ 2,190,000	\$ 1,800,000	\$ 1,971,000	\$ 175,200	\$ 43,800	ACIP
15	2020	East Apron Expansion North (Design)	\$ 380,000	\$ 300,000	\$ 342,000	\$ 30,400	\$ 7,600	ACIP
16	2020	East Apron Expansion North (Const.)	\$ 380,000	\$ 300,000	\$ 342,000	\$ 30,400	\$ 7,600	ACIP
17	2020	Land Acquisition (south west side of Airport)	\$ 3,037,000	\$ 2,400,000	\$ 2,733,300	\$ 242,960	\$ 60,740	ACIP
18	2020	New ATCT Preliminary Design	\$ 762,000	\$ 602,400	\$ 685,800	\$ 60,960	\$ 15,240	ACIP
19	2022	By-Pass Taxiway Construction (700' x 50')	\$ 1,175,000	\$ 858,831	\$ 1,057,500	\$ 94,000	\$ 23,500	ALP
20	2022	Business Aviation Terminal Parking Expansion (500' x 100')	\$ 1,679,000	\$ 1,226,965	\$ -	\$ -	\$ 1,679,000	ACIP
21	2022	Wakeman Drive Extension (1,965 LF)	\$ 3,765,000	\$ 2,751,000	\$ 3,388,500	\$ 301,200	\$ 75,300	ALP
22	2022	Runway Extension (300' x 100')	\$ 1,007,000	\$ 736,046	\$ 906,300	\$ 80,560	\$ 20,140	Sponsor Input
23	2022	Partial Parallel Taxiway Lima Construction (2,500' x 50')	\$ 4,198,000	\$ 3,067,191	\$ 3,778,200	\$ 335,840	\$ 83,960	ALP
24	2022	Coporate Hangar Site Construction (1 Units 100' x 150')	\$ 1,108,000	\$ 809,801	\$ 997,200	\$ 88,640	\$ 22,160	ALP
25	2022	Coporate Hangar Building Construction (1 Units 100' x 150')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
26	2022	Maintenance Hangar Site Construction (1 Unit 260' x 260')	\$ 4,242,000	\$ 3,099,340	\$ 3,817,800	\$ 339,360	\$ 84,840	ALP
27	2022	Maintenance Hangar Building Construction (1 Unit 260' x 260')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
28	TBD	Maintenance Hangar Site Construction (1 Unit 310' x 310')	\$ 5,725,000	\$ 4,182,992	\$ 5,152,500	\$ 458,000	\$ 114,500	ALP
29	TBD	Maintenance Hangar Building Construction (1 Unit 310' x 310')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
30	TBD	Business Aviation Terminal Parking Expansion (228 Spaces)	\$ 1,136,000	\$ 829,920	\$ -	\$ -	\$ 1,136,000	ALP
31	TBD	Fuel Improvements (24/7 Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
32	2024	RPZ Land Acquisition (22.3 Acres Fee Simple)	\$ 429,000	\$ 289,900	\$ 386,100	\$ 34,320	\$ 8,580	Facilities Requirements
33	TBD	ALP and Master Plan Update	\$ 799,000	\$ 540,000	\$ 719,100	\$ 63,920	\$ 15,980	Facilities Requirements
34	TBD	West Side T-Hangar Site Construction (30 Units)	\$ 3,217,000	\$ 2,350,656	\$ 2,895,300	\$ 257,360	\$ 64,340	Sponsor Input
35	2022	West Side T-Hangar Building Replacement (30 Units)	\$ 2,587,000	\$ 1,890,000	\$ -	\$ -	\$ 2,587,000	Sponsor Input
36	2024	Taxiway V to Group 3 (400' x 10')	\$ 145,000	\$ 98,051	\$ 130,500	\$ 11,600	\$ 2,900	Sponsor Input
37	2024	Shoulders on 16L and 34R (5,700' x 40')	\$ 8,281,000	\$ 5,594,438	\$ 7,452,900	\$ 662,480	\$ 165,620	Sponsor Input

Airport Code	HEF
Airport Name	Manassas Regional
Airport Region	3
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
38	2030	Widening all taxiways to 50' (8,900 x 10')	\$ 4,090,000	\$ 2,183,847	\$ 3,681,000	\$ 327,200	\$ 81,800	Sponsor Input

Total Project Cost at Airport	\$62,029,000	\$46,303,580
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Project Cost Totals by Contribution		
Federal Contribution	81.6%	\$ 50,634,100
State Contribution	7.0%	\$ 4,333,520
Airport Contribution	11.4%	\$ 7,061,380
Total		\$ 62,029,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 36,663,000	\$ 62,000	\$ 17,507,000	\$ 6,623,000	\$ -	\$ 1,174,000	\$ -	\$ -	\$ -	
59.1%	0.1%	28.2%	10.7%	0.0%	1.9%	0.0%	0.0%	0.0%	

Airport Code	FCI
Airport Name	Richmond Executive-Chesterfield County
Airport Region	4
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Extend Runway 15-33 - Land Acquisition Services	\$ 308,000	\$ 300,000	\$ 277,200	\$ 24,640	\$ 6,160	ACIP
2	2015	Obstruction Removal - Runway 33	\$ 566,000	\$ 552,000	\$ 509,400	\$ 45,280	\$ 11,320	ACIP
3	2015	Wetland Mitigation - Runway 33 Obstruction Removal	\$ 326,000	\$ 318,000	\$ 293,400	\$ 26,080	\$ 6,520	ACIP
4	2016	Extend Runway 15-33 - Land & Easement Acquisition - Phase 1	\$ 2,147,000	\$ 2,040,000	\$ 1,932,300	\$ 171,760	\$ 42,940	ACIP
5	2016	Install Obstruction Lights (DD/CO)	\$ 95,000	\$ 90,000	\$ 85,500	\$ 7,600	\$ 1,900	ACIP
6	2016	Obstruction Removal - Runway 33	\$ 126,000	\$ 120,000	\$ 113,400	\$ 10,080	\$ 2,520	ACIP
7	2017	Extend Runway 15-33 - Land & Easement Acquisition - Phase 2	\$ 1,350,000	\$ 1,200,000	\$ 1,215,000	\$ 108,000	\$ 27,000	ACIP
8	2018	Extend Runway 15-33 - Wetland Mitigation	\$ 3,229,000	\$ 2,760,000	\$ 2,906,100	\$ 258,320	\$ 64,580	ACIP
9	2018	Extend Runway 15-33 (DD) (incl. Obstr. Removal)	\$ 702,000	\$ 600,000	\$ 631,800	\$ 56,160	\$ 14,040	ACIP
10	2018	Rehabilitate Airport Rotating Beacon (DD/CO)	\$ 105,000	\$ 90,000	\$ -	\$ 84,000	\$ 21,000	ACIP
11	2019	Extend Runway 15-33 (CO) (incl. Obstr, Utility, NAVAIDS)	\$ 8,111,000	\$ 6,666,666	\$ 7,299,900	\$ 648,880	\$ 162,220	ACIP
12	2020	Extend Runway 15-33 (CO) (incl. Obstr, Utility, NAVAIDS)	\$ 8,435,000	\$ 6,666,666	\$ 7,591,500	\$ 674,800	\$ 168,700	ACIP
13	2015	Rehabilitate Auto Parking (DD)	\$ 437,000	\$ 420,000	\$ 393,300	\$ 34,960	\$ 8,740	MPU
14	2015	Construct Taxiway Turnout/Hold Apron (DD)	\$ 100,000	\$ 112,000	\$ 90,000	\$ 8,000	\$ 2,000	MPU
15	2016	Corporate Hangar Site Construction (45 Units 60' x 60')	\$ 15,255,000	\$ 14,103,936	\$ 13,729,500	\$ 1,220,400	\$ 305,100	MPU
16	2016	Corporate Hangar Building Construction (45 Units 60' x 60')	\$ 6,814,000	\$ 6,300,000	\$ -	\$ -	\$ 6,814,000	MPU
17	2016	Construct Taxiway Turnout/Hold Apron (CO)	\$ 221,000	\$ 238,000	\$ 198,900	\$ 17,680	\$ 4,420	MPU
18	2016	Rehabilitate Auto Parking (CO)	\$ 2,726,000	\$ 2,520,000	\$ 2,453,400	\$ 218,080	\$ 54,520	MPU
19	TBD	Pilot Activity Center - ALP Facility #24	\$ 2,271,000	\$ 2,100,000	\$ -	\$ -	\$ 2,271,000	MPU
20	TBD	Relocate Power Lines Underground	\$ 518,000	\$ 350,000	\$ 466,200	\$ 41,440	\$ 10,360	MPU
21	TBD	Relocate Localizer (DD/CO)	\$ 414,000	\$ 280,000	\$ 372,600	\$ 33,120	\$ 8,280	MPU
22	TBD	Relocate PAPI (DD/CO)	\$ 145,000	\$ 98,000	\$ 130,500	\$ 11,600	\$ 2,900	MPU
23	TBD	Construct Blast Pads (DD/CO)	\$ 829,000	\$ 560,000	\$ 746,100	\$ 66,320	\$ 16,580	MPU
24	TBD	Relocate Glideslope Equipment	\$ 622,000	\$ 420,000	\$ 559,800	\$ 49,760	\$ 12,440	MPU
25	TBD	Install MALS (DD/CO)	\$ 1,036,000	\$ 700,000	\$ 932,400	\$ 82,880	\$ 20,720	MPU
26	TBD	Relocate Fuel Farm (DD/CO) - ALP Facility #27	\$ 4,145,000	\$ 2,800,000	\$ 3,730,500	\$ 331,600	\$ 82,900	MPU
27	TBD	Construct Alternative 24-Hour Fueling Site (DD/CO) - ALP Facility #36	\$ 311,000	\$ 210,000	\$ 279,900	\$ 24,880	\$ 6,220	MPU
28	TBD	Expand Airfield Maintenance & Equipment Building (DD/CO) - ALP Facility #17	\$ 311,000	\$ 210,000	\$ -	\$ -	\$ 311,000	MPU
29	TBD	Acquire SRE Equipment - Wheel loader & attachments (sweeper, displacement & rotary plows)	\$ 818,000	\$ 552,500	\$ -	\$ -	\$ 818,000	MPU
30	TBD	Public Observation Park - ALP Facility #31	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	MPU
31	TBD	Construct 10 - Unit T-Hangar (Small) (DD/CO) - ALP Facility #23	\$ 1,865,000	\$ 1,260,000	\$ -	\$ -	\$ 1,865,000	MPU
32	TBD	Relocate Taxiway (DD/CO)	\$ 8,289,000	\$ 5,600,000	\$ 7,460,100	\$ 663,120	\$ 165,780	MPU
33	TBD	Demolition of TW 'B' & 'C'/Construct Replacement TW (DD/CO)	\$ 1,036,000	\$ 700,000	\$ 932,400	\$ 82,880	\$ 20,720	MPU
34	TBD	Aviation Education Facility - ALP Facility #32	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	MPU
35	TBD	Fuel Improvements (24/7 Card Reader)	\$ 44,000	\$ 35,000	\$ 39,600	\$ 3,520	\$ 880	Facilities Requirements
36	TBD	Pavement Rehab (Taxiway & Apron)	\$ 15,636,000	\$ 10,563,280	\$ 14,072,400	\$ 1,250,880	\$ 312,720	Facilities Requirements

Total Project Cost at Airport	\$95,561,000	\$75,736,048
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Project Cost Totals by Contribution		
Federal Contribution	72.7%	\$ 69,443,100
State Contribution	6.5%	\$ 6,256,720
Airport Contribution	20.8%	\$ 19,861,180
Total		\$ 95,561,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 52,447,000	\$ 1,276,000	\$ 38,052,000	\$ 3,681,000	\$ 105,000	\$ -	\$ -	\$ -	\$ -	
54.9%	1.3%	39.8%	3.9%	0.1%	0.0%	0.0%	0.0%	0.0%	

Airport Code	RMN
Airport Name	Stafford Regional
Airport Region	3
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Runway Extension - Environmental Permitting & Mitigation - SCOPE CHANGE & INCREASE	\$ 298,000	\$ 290,400	\$ 268,200	\$ 23,840	\$ 5,960	ACIP
2	2015	T-Hangar #6 (Construction)	\$ 1,477,000	\$ 1,440,000	\$ -	\$ -	\$ 1,477,000	ACIP
3	2016	Runway Extension (Design)	\$ 1,055,000	\$ 1,002,000	\$ 949,500	\$ 84,400	\$ 21,100	ACIP
4	2017	Runway Extension Phase 1 (Construction)	\$ 12,149,000	\$ 10,800,000	\$ 10,934,100	\$ 971,920	\$ 242,980	ACIP
5	2018	Runway Extension Phase 2 (Construction)	\$ 4,211,000	\$ 3,600,000	\$ 3,789,900	\$ 336,880	\$ 84,220	ACIP
6	2019	Apron Expansion (Design)	\$ 219,000	\$ 180,000	\$ 197,100	\$ 17,520	\$ 4,380	ACIP
7	2020	Apron Expansion (Construction)	\$ 1,265,000	\$ 1,000,000	\$ 1,138,500	\$ 101,200	\$ 25,300	ACIP
8	2020	Obstruction Removal - Runway 15, 34:1 Approach - Easement Acquisition	\$ 1,184,000	\$ 936,000	\$ 1,065,600	\$ 94,720	\$ 23,680	ACIP
9	2022	T-Hangar Site Construction (10 Units)	\$ 3,217,000	\$ 2,350,656	\$ 2,895,300	\$ 257,360	\$ 64,340	ALP
10	2022	T-Hangar Building Construction (10 Units)	\$ 862,000	\$ 630,000	\$ -	\$ -	\$ 862,000	ALP
11	2022	Corporate Hangar Site Construction (3 Units 120' x 100')	\$ 2,788,000	\$ 2,037,235	\$ 2,509,200	\$ 223,040	\$ 55,760	ALP
12	2022	Corporate Hangar Building Construction (3 Units 120' x 100')	\$ 575,000	\$ 420,000	\$ -	\$ -	\$ 575,000	ALP
13	2022	Corporate Hangar Site Construction (3 Units 120' x 120')	\$ 3,217,000	\$ 2,350,656	\$ 2,895,300	\$ 257,360	\$ 64,340	ALP
14	2022	Corporate Hangar Building Construction (3 Units 120' x 120')	\$ 575,000	\$ 420,000	\$ -	\$ -	\$ 575,000	ALP
15	2022	Corporate Hangar Site Construction (1 Units 150' x 200')	\$ 2,002,000	\$ 1,462,500	\$ 1,801,800	\$ 160,160	\$ 40,040	ALP
16	TBD	Corporate Hangar Building Construction (1 Units 150' x 200')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
17	TBD	Maintenance Hangar Site Construction (1 Units 100' x 150')	\$ 1,108,000	\$ 809,801	\$ 997,200	\$ 88,640	\$ 22,160	ALP
18	TBD	Maintenance Hangar Building Construction (1 Units 100' x 150')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
19	TBD	Maintenance Hangar Site Construction (1 Units 100' x 190')	\$ 1,132,000	\$ 827,039	\$ 1,018,800	\$ 90,560	\$ 22,640	ALP
20	TBD	Maintenance Hangar Building Construction (1 Units 100' x 190')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
21	TBD	Apron Expansion (129,993 SY)	\$ 35,836,000	\$ 26,184,750	\$ 32,252,400	\$ 2,866,880	\$ 716,720	ALP
22	TBD	Instrument Improvements (MALS - RW 15)	\$ 311,000	\$ 210,000	\$ 279,900	\$ 24,880	\$ 6,220	Facilities Requirements
23	TBD	Communications Improvements (RTR)	\$ 166,000	\$ 112,000	\$ 149,400	\$ 13,280	\$ 3,320	Facilities Requirements
24	TBD	Auto Parking Expansion (149 Spaces)	\$ 803,000	\$ 542,360	\$ 722,700	\$ 64,240	\$ 16,060	Facilities Requirements
25	TBD	Fuel Improvements (24/7 and Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
26	TBD	Offer Aircraft Maintenance	\$ 178,000	\$ 120,000	\$ -	\$ -	\$ 178,000	Facilities Requirements
27	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
28	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
29	TBD	Add Full-Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
30	TBD	RPZ Land Acquisitions (33 Acres Fee Simple)	\$ 635,000	\$ 429,000	\$ 571,500	\$ 50,800	\$ 12,700	Facilities Requirements
Total Project Cost at Airport			\$76,202,000	\$58,819,397				

Project Cost Totals by Contribution		
Federal Contribution	84.6%	\$ 64,483,200
State Contribution	7.5%	\$ 5,731,840
Airport Contribution	7.9%	\$ 5,986,960
Total		\$ 76,202,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 56,852,000	\$ 477,000	\$ 18,070,000	\$ 803,000	\$ -	\$ -	\$ -	\$ -	\$ -	
74.6%	0.6%	23.7%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	

Airport Code	HWY
Airport Name	Warrenton-Fauquier
Airport Region	3
Airport Category	Reliever
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	20 Unit T-Hangars	\$ 923,000	\$ 900,000	\$ -	\$ -	\$ 923,000	ACIP
2	2015	Design/Construct Washrack	\$ 222,000	\$ 216,000	\$ 199,800	\$ 17,760	\$ 4,440	ACIP
3	2015	Hangar Apron (Design)	\$ 123,000	\$ 120,000	\$ 110,700	\$ 9,840	\$ 2,460	ACIP
4	2015	SR610 Improvements (Design)	\$ 185,000	\$ 180,000	\$ 166,500	\$ 14,800	\$ 3,700	ACIP
5	2015	T-Hangar and Corporate Site Drainage Impr. - Ph. 1 Construct	\$ 1,847,000	\$ 1,800,000	\$ 1,662,300	\$ 147,760	\$ 36,940	ACIP
6	2015	T-Hangar Apron	\$ 1,431,000	\$ 1,395,000	\$ 1,287,900	\$ 114,480	\$ 28,620	ACIP
7	2016	SR610 Improvements (Construction)	\$ 2,526,000	\$ 2,400,000	\$ 2,273,400	\$ 202,080	\$ 50,520	ACIP
8	2016	Terminal Apron/Access TW (Design)	\$ 505,000	\$ 480,000	\$ 454,500	\$ 40,400	\$ 10,100	ACIP
9	2016	Terminal Building (Design)	\$ 253,000	\$ 240,000	\$ -	\$ 202,400	\$ 50,600	ACIP
10	2016	Terminal Entrance Road (Design)	\$ 189,000	\$ 180,000	\$ 170,100	\$ 15,120	\$ 3,780	ACIP
11	2016	Terminal Parking Lot/Utilities (Design)	\$ 95,000	\$ 90,000	\$ 85,500	\$ 7,600	\$ 1,900	ACIP
12	2017	Self Service Fueling (Installation)	\$ 175,000	\$ 156,000	\$ 157,500	\$ 14,000	\$ 3,500	ACIP
13	2017	Terminal Apron and Access TW, Phase 1 (Construction)	\$ 2,295,000	\$ 2,040,000	\$ 2,065,500	\$ 183,600	\$ 45,900	ACIP
14	2017	Terminal Building (Construction)	\$ 2,933,000	\$ 2,607,000	\$ -	\$ 1,525,160	\$ 1,407,840	ACIP
15	2017	Terminal Building Furniture (Purchase)	\$ 94,000	\$ 84,000	\$ -	\$ 48,880	\$ 45,120	ACIP
16	2017	Terminal Entrance Road (Construction)	\$ 1,215,000	\$ 1,080,000	\$ 1,093,500	\$ 97,200	\$ 24,300	ACIP
17	2017	Terminal Parking Lot/Utilities (Construction)	\$ 810,000	\$ 720,000	\$ 729,000	\$ 64,800	\$ 16,200	ACIP
18	2018	Corporate Apron (Design)	\$ 421,000	\$ 360,000	\$ 378,900	\$ 33,680	\$ 8,420	ACIP
19	2018	Corporate Area Access Road (Design)	\$ 491,000	\$ 420,000	\$ 441,900	\$ 39,280	\$ 9,820	ACIP
20	2018	Drainage Improvements - Phase II	\$ 2,667,000	\$ 2,280,000	\$ 2,400,300	\$ 213,360	\$ 53,340	ACIP
21	2018	Terminal Apron and Access Taxiway, Phase 2 (Construction)	\$ 4,176,000	\$ 3,570,000	\$ 3,758,400	\$ 334,080	\$ 83,520	ACIP
22	2019	Corporate Access Road (Construction)	\$ 4,380,000	\$ 3,600,000	\$ 3,942,000	\$ 350,400	\$ 87,600	ACIP
23	2019	Corporate Apron (Construction)	\$ 6,570,000	\$ 5,400,000	\$ 5,913,000	\$ 525,600	\$ 131,400	ACIP
24	2020	RPZ Land Acquisition (18 Acres Fee Simple)	\$ 296,000	\$ 234,000	\$ 266,400	\$ 23,680	\$ 5,920	MPU/ALP
25	2022	T-Hangar Site Construction (28 Units)	\$ 9,008,000	\$ 6,581,837	\$ 8,107,200	\$ 720,640	\$ 180,160	MPU/ALP
26	2022	T-Hangar Building Construction (28 Units)	\$ 2,414,000	\$ 1,764,000	\$ -	\$ -	\$ 2,414,000	MPU/ALP
27	2022	Corporate Hangar Site Construction (5 Units 60' x 60')	\$ 2,145,000	\$ 1,567,104	\$ 1,930,500	\$ 171,600	\$ 42,900	MPU/ALP
28	2022	Corporate Hangar Building Construction (5 Units 60' x 60')	\$ 958,000	\$ 700,000	\$ -	\$ -	\$ 958,000	MPU/ALP
29	2022	Demo T-Hangars	\$ 192,000	\$ 140,000	\$ 172,800	\$ 15,360	\$ 3,840	MPU/ALP
30	2022	Install MALSR - RW 15	\$ 287,000	\$ 210,000	\$ 258,300	\$ 22,960	\$ 5,740	MPU/ALP
31	2022	T-Hangars Access Road (1,800 LF)	\$ 3,449,000	\$ 2,520,000	\$ 3,104,100	\$ 275,920	\$ 68,980	MPU/ALP
32	2022	Apron Expansion (13,198 SY)	\$ 6,426,000	\$ 4,695,057	\$ 5,783,400	\$ 514,080	\$ 128,520	MPU/ALP
33	2024	Install ODALS - RW 3	\$ 1,098,000	\$ 742,000	\$ 988,200	\$ 87,840	\$ 21,960	MPU/ALP
34	TBD	Helistop (100' x 100')	\$ 585,000	\$ 395,227	\$ 526,500	\$ 46,800	\$ 11,700	MPU/ALP
35	TBD	Runway Extension (500' x 100')	\$ 2,926,000	\$ 1,976,491	\$ 2,633,400	\$ 234,080	\$ 58,520	MPU/ALP
36	TBD	Primary Runway Strength Improvements (15,000 lbs)	\$ 3,039,000	\$ 2,053,330	\$ 2,735,100	\$ 243,120	\$ 60,780	Facilities Requirements
37	TBD	Communications Improvements (RTR)	\$ 166,000	\$ 112,000	\$ 149,400	\$ 13,280	\$ 3,320	Facilities Requirements

Total Project Cost at Airport \$67,515,000 \$54,009,045

Project Cost Totals by Contribution		
Federal Contribution	79.9%	\$ 53,946,000
State Contribution	9.7%	\$ 6,571,640
Airport Contribution	10.4%	\$ 6,997,360
Total		\$ 67,515,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 29,906,000	\$ 1,551,000	\$ 19,438,000	\$ 13,340,000	\$ -	\$ -	\$ -	\$ 3,280,000	\$ -	
44.3%	2.3%	28.8%	19.8%	0.0%	0.0%	0.0%	4.9%	0.0%	

Development Costs for General Aviation Regional Airports

Airport Code	MFV
Airport Name	Accomack County
Airport Region	7
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Land Acquisition Services - Phase 1	\$ 81,000	\$ 79,200	\$ 72,900	\$ 6,480	\$ 1,620	ACIP
2	2015	SWPPP Update	\$ 12,000	\$ 12,000	\$ 10,800	\$ 960	\$ 240	ACIP
3	2016	Land Acquisition Services - Phase 2	\$ 47,000	\$ 45,000	\$ 42,300	\$ 3,760	\$ 940	ACIP
4	2016	Obstruction Removal - Easement Acquisition (Phase 1)	\$ 322,000	\$ 306,000	\$ 289,800	\$ 25,760	\$ 6,440	ACIP
5	2017	Land Acquisition Services - Phase 3	\$ 35,000	\$ 31,200	\$ 31,500	\$ 2,800	\$ 700	ACIP
6	2017	Obstruction Removal - Easement Acquisition (Phase 2)	\$ 135,000	\$ 120,000	\$ 121,500	\$ 10,800	\$ 2,700	ACIP
7	2018	Land Acquisition Services - Phase 4	\$ 51,000	\$ 43,800	\$ 45,900	\$ 4,080	\$ 1,020	ACIP
8	2018	Obstruction Removal - Easement Acquisition (Phase 3)	\$ 45,000	\$ 38,400	\$ 40,500	\$ 3,600	\$ 900	ACIP
9	2018	Obstruction Removal - Off-Airport - Phase 1 (Design)	\$ 118,000	\$ 100,800	\$ 106,200	\$ 9,440	\$ 2,360	ACIP
10	2018	T-Hangar Site & Taxiway (Bidding & Construction)	\$ 562,000	\$ 480,000	\$ 505,800	\$ 44,960	\$ 11,240	ACIP
11	2019	Land Acquisition Services - Phase 5	\$ 46,000	\$ 37,800	\$ 41,400	\$ 3,680	\$ 920	ACIP
12	2019	Obstruction Removal - Easement Acquisition (Phase 4)	\$ 58,000	\$ 48,000	\$ 52,200	\$ 4,640	\$ 1,160	ACIP
13	2019	Obstruction Removal - Off-Airport - Phase 1 (Construction)	\$ 496,000	\$ 408,000	\$ 446,400	\$ 39,680	\$ 9,920	ACIP
14	2019	T-Hangar Building (Construction)	\$ 365,000	\$ 300,000	\$ -	\$ -	\$ 365,000	ACIP
15	2020	Land Acquisition Services - Phase 6	\$ 58,000	\$ 46,200	\$ 52,200	\$ 4,640	\$ 1,160	ACIP
16	2020	Obstruction Removal - Easement Acquisition (Phase 5)	\$ 76,000	\$ 60,000	\$ 68,400	\$ 6,080	\$ 1,520	ACIP
17	2020	Partial Parallel Taxiway North - Phase 1 (Bidding & Construction)	\$ 1,822,000	\$ 1,440,000	\$ 1,639,800	\$ 145,760	\$ 36,440	ACIP
18	TBD	Refurbish Rotation Beacon	\$ 18,000	\$ 12,000	\$ -	\$ 14,400	\$ 3,600	MPU
19	TBD	T-Hangar Site Construction (15 Units)	\$ 6,959,000	\$ 4,701,312	\$ 6,263,100	\$ 556,720	\$ 139,180	MPU
20	TBD	T-Hangar Building Construction (15 Units)	\$ 1,399,000	\$ 945,000	\$ -	\$ -	\$ 1,399,000	MPU
21	TBD	Corporate Hangar Site Construction (5 Units 60' x 60')	\$ 3,093,000	\$ 2,089,472	\$ 2,783,700	\$ 247,440	\$ 61,860	MPU
22	TBD	Corporate Hangar Building Construction (5 Units 60' x 60')	\$ 1,000	\$ 700	\$ -	\$ -	\$ 1,000	MPU
23	TBD	Apron Area Expansion (7,104 SY)	\$ 2,824,000	\$ 1,907,964	\$ 2,541,600	\$ 225,920	\$ 56,480	MPU
24	TBD	Groove Runway	\$ 128,000	\$ 86,800	\$ 115,200	\$ 10,240	\$ 2,560	MPU
25	TBD	Electric Vault Relocation and Upgrade (12' x 16')	\$ 518,000	\$ 350,000	\$ 466,200	\$ 41,440	\$ 10,360	MPU
26	TBD	Primary Runway Strength Improvements (4,000 lbs)	\$ 4,145,000	\$ 2,799,989	\$ 3,730,500	\$ 331,600	\$ 82,900	Facilities Requirements
27	TBD	Add Full-Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	Facilities Requirements
28	TBD	Offer Aircraft Maintenance	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements
29	TBD	Add Full-Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
30	TBD	Terminal/Pilot Services (add Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
31	TBD	Pavement Improvements (Taxiway, Apron)	\$ 7,006,000	\$ 4,733,260	\$ 6,305,400	\$ 560,480	\$ 140,120	Facilities Requirements
32	TBD	RPZ Land Acquisition (27.4 Acres Fee Simple)	\$ 527,000	\$ 356,200	\$ 474,300	\$ 42,160	\$ 10,540	Facilities Requirements
33	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
Total Project Cost at Airport			\$34,372,000	\$23,893,097				

Project Cost Totals by Contribution		
Federal Contribution	76.8%	\$ 26,387,100
State Contribution	6.9%	\$ 2,359,920
Airport Contribution	16.4%	\$ 5,624,980
Total		\$ 34,372,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 18,693,000	\$ -	\$ 15,649,000	\$ -	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ -
54.4%	0.0%	45.5%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%

Airport Code	MTV
Airport Name	Blue Ridge Regional
Airport Region	1
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	State Route 698 Relocation (Design)	\$ 629,000	\$ 612,948	\$ 566,100	\$ 50,320	\$ 12,580	ACIP
2	2015	Taxilane Pavement Rehabilitation (Construction)	\$ 616,000	\$ 600,000	\$ 554,400	\$ 49,280	\$ 12,320	ACIP
3	2016	Route 698 Relocation (Construction)	\$ 3,790,000	\$ 3,600,000	\$ 3,411,000	\$ 303,200	\$ 75,800	ACIP
4	2017	Terminal Apron Expansion - Phase 1 (Design)	\$ 432,000	\$ 384,000	\$ 388,800	\$ 34,560	\$ 8,640	ALP/MPU
5	2018	Terminal Apron Expansion Phase 1 (Construction)	\$ 7,300,000	\$ 6,240,000	\$ 6,570,000	\$ 584,000	\$ 146,000	ALP/MPU
6	2018	Land Acquisition Runway 30 RPZ	\$ 1,200,000	\$ 1,026,000	\$ 1,080,000	\$ 96,000	\$ 24,000	ACIP
7	2019	Clearspan Hangars Relocation (Design)	\$ 584,000	\$ 480,000	\$ 525,600	\$ 46,720	\$ 11,680	ACIP
8	2019	Clearspan Hangars Relocation (Construction)	\$ 5,840,000	\$ 4,800,000	\$ -	\$ -	\$ 5,840,000	ACIP
9	2019	T-Hangars Relocation (Design)	\$ 365,000	\$ 300,000	\$ 328,500	\$ 29,200	\$ 7,300	ALP/MPU
10	2019	T-Hangars Relocation (Construction)	\$ 6,327,000	\$ 5,200,000	\$ -	\$ -	\$ 6,327,000	ALP/MPU
11	2020	RW 30 Glideslope (Design)	\$ 456,000	\$ 360,000	\$ 410,400	\$ 36,480	\$ 9,120	ACIP
12	2020	Terminal Building & Parking Relocation (Design)	\$ 334,000	\$ 264,000	\$ 300,600	\$ 26,720	\$ 6,680	ALP/MPU
13	2021	RW 30 Glideslope (Construction)	\$ 855,000	\$ 650,000	\$ 769,500	\$ 68,400	\$ 17,100	ALP/MPU
14	2021	Terminal Building & Parking Relocation (Construction)	\$ 14,370,000	\$ 10,920,000	\$ -	\$ -	\$ 14,370,000	ALP/MPU
15	2021	EA for 500' Runway Extension	\$ 790,000	\$ 600,000	\$ 711,000	\$ 63,200	\$ 15,800	ALP/MPU
16	2022	Relocate Fuel Farm	\$ 144,000	\$ 105,000	\$ 129,600	\$ 11,520	\$ 2,880	ALP/MPU
17	2022	South Land & Easement Acquisition (45 AC)	\$ 801,000	\$ 585,000	\$ 720,900	\$ 64,080	\$ 16,020	ALP/MPU
18	2022	Relocate CAP Trailers	\$ 19,000	\$ 14,000	\$ 17,100	\$ 1,520	\$ 380	ALP/MPU
19	2022	Relocate Rotating Beacon	\$ 96,000	\$ 70,000	\$ 86,400	\$ 7,680	\$ 1,920	ALP/MPU
20	2023	Upgrade to HIRLs	\$ 399,000	\$ 280,000	\$ 359,100	\$ 31,920	\$ 7,980	ALP/MPU
21	2023	Potential RW30 MALSR	\$ 299,000	\$ 210,000	\$ 269,100	\$ 23,920	\$ 5,980	ALP/MPU
22	2023	Revise Zoning Language	\$ 85,000	\$ 60,000	\$ -	\$ -	\$ 85,000	ALP/MPU
23	2023	West Corporate Hangar #1 Building Construction	\$ 1,295,000	\$ 910,000	\$ -	\$ -	\$ 1,295,000	ALP/MPU
24	2024	West Easement Acquisition	\$ 43,000	\$ 29,250	\$ 38,700	\$ 3,440	\$ 860	ALP/MPU
25	2024	Runway Extension (500')	\$ 9,418,000	\$ 1,352,395	\$ 8,476,200	\$ 753,440	\$ 188,360	ALP/MPU
26	2025	Terminal Apron Expansion - Phase 2	\$ 9,418,000	\$ 6,117,650	\$ 8,476,200	\$ 753,440	\$ 188,360	ALP/MPU
27	2028	T-Hangar Site Construction (10 Units)	\$ 4,724,000	\$ 2,727,808	\$ 4,251,600	\$ 377,920	\$ 94,480	ALP/MPU
28	2028	T-Hangar Building Construction (10 Units)	\$ 1,091,000	\$ 630,000	\$ -	\$ -	\$ 1,091,000	ALP/MPU
29	2030	West Public Apron Expansion	\$ 10,913,000	\$ 5,826,333	\$ 9,821,700	\$ 873,040	\$ 218,260	ALP/MPU
30	2030	West Corporate Hangar #2 Site Construction (1 Unit 60' x 60')	\$ 681,000	\$ 363,708	\$ 612,900	\$ 54,480	\$ 13,620	ALP/MPU
31	2030	West Corporate Hangar #2 Building Construction (1 Unit 60' x 60')	\$ 262,000	\$ 140,000	\$ -	\$ -	\$ 262,000	ALP/MPU
32	2032	West Corporate Hangar #3 Building Construction (1 Unit 60' x 60')	\$ 284,000	\$ 140,000	\$ -	\$ -	\$ 284,000	ALP/MPU
33	2032	West Corporate Hangar #3 Site Construction (1 Unit 60' x 60')	\$ 737,000	\$ 363,708	\$ 663,300	\$ 58,960	\$ 14,740	ALP/MPU
34	2024	Runway Pavement Strengthening	\$ 5,757,000	\$ 3,888,889	\$ 5,181,300	\$ 460,560	\$ 115,140	Facilities Requirements
35	2020	Aircraft Rental Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	Facilities Requirements
36	2020	Add Full-Time Flight Training	\$ 114,000	\$ 90,000	\$ -	\$ -	\$ 114,000	Facilities Requirements
37	2024	Taxiway Rehabilitation	\$ 898,000	\$ 606,667	\$ 808,200	\$ 71,840	\$ 17,960	Facilities Requirements

Project Cost Totals by Contribution		
Federal Contribution	60.7%	\$ 55,528,200
State Contribution	5.4%	\$ 4,935,840
Airport Contribution	33.9%	\$ 30,977,960
Total		\$ 91,442,000

Total Project Cost at Airport	\$91,442,000	\$60,607,356
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Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 48,506,000	\$ 395,000	\$ 22,543,000	\$ 4,753,000	\$ -	\$ 875,000	\$ -	\$ 14,370,000	\$ -
53.0%	0.4%	24.7%	5.2%	0.0%	1.0%	0.0%	15.7%	0.0%

Airport Code	CJR
Airport Name	Culpeper Regional
Airport Region	3
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2014	T-Hangar and Executive Hangar Building Construction	\$ 2,145,000	\$ 2,145,000	\$ -	\$ -	\$ 2,145,000	Bid
2	2015	Land Acquisition	\$ 741,000	\$ 722,400	\$ 666,900	\$ 59,280	\$ 14,820	ACIP
3	2015	Land Acquisition Services - Apron Development / Road Extension (+/- 70 Acres)	\$ 98,000	\$ 96,000	\$ 88,200	\$ 7,840	\$ 1,960	ACIP
4	2016	Greenhouse Road Extension (Design)	\$ 221,000	\$ 210,000	\$ 198,900	\$ 17,680	\$ 4,420	ACIP
5	2017	Greenhouse Road Extension (Construction)	\$ 3,678,000	\$ 3,270,000	\$ 3,310,200	\$ 294,240	\$ 73,560	ACIP
6	2017	Terminal Replacement Phase 1 (Construction)	\$ 2,362,000	\$ 2,100,000	\$ -	\$ 1,228,240	\$ 1,133,760	ACIP
7	2018	Taxiway / Apron Expansion Design	\$ 562,000	\$ 480,000	\$ 505,800	\$ 44,960	\$ 11,240	ACIP
8	2018	Terminal Replacement Phase 2 (Construction)	\$ 2,457,000	\$ 2,100,000	\$ -	\$ 1,277,640	\$ 1,179,360	ACIP
9	2019	Taxiway / Apron Expansion (Construction)	\$ 5,548,000	\$ 4,560,000	\$ 4,993,200	\$ 443,840	\$ 110,960	ACIP
10	2018	Corporate Hangar Site Construction (2 Units)	\$ 2,301,000	\$ 1,966,799	\$ 2,070,900	\$ 184,080	\$ 46,020	Master Plan Update
11	2018	Corporate Hangar Building Construction (2 Units)	\$ 481,000	\$ 280,000	\$ -	\$ -	\$ 481,000	Master Plan Update
12	2019	T-Hangar Site Construction (6 Units)	\$ 1,359,000	\$ 1,117,020	\$ 1,223,100	\$ 108,720	\$ 27,180	Master Plan Update
13	2018	T-Hangar Building Construction (6 Units)	\$ 442,000	\$ 378,000	\$ -	\$ -	\$ 442,000	Master Plan Update
14	2019	Jet Pod Site Work	\$ 1,133,000	\$ 930,850	\$ 1,019,700	\$ 90,640	\$ 22,660	Master Plan Update
15	2019	Jet Pod Building	\$ 852,000	\$ 700,000	\$ -	\$ -	\$ 852,000	Master Plan Update
16	2019	Environmental Assessment	\$ 728,000	\$ 598,320	\$ 655,200	\$ 58,240	\$ 14,560	Master Plan Update
17	2019	Land Acquisition	\$ 231,000	\$ 189,468	\$ 207,900	\$ 18,480	\$ 4,620	Master Plan Update
18	2019	Land Acquisition Assistance	\$ 113,000	\$ 93,072	\$ 101,700	\$ 9,040	\$ 2,260	Master Plan Update
19	2019	NAV-AID Relocation and ODALS	\$ 189,000	\$ 155,120	\$ 170,100	\$ 15,120	\$ 3,780	Master Plan Update
20	2020	Runway Shift and Extension to 5,500'	\$ 14,946,000	\$ 11,811,695	\$ 13,451,400	\$ 1,195,680	\$ 298,920	Master Plan Update
21	2020	Eastside Apron Expansion and Taxiway Phase 1	\$ 8,429,000	\$ 6,661,282	\$ 7,586,100	\$ 674,320	\$ 168,580	Master Plan Update
22	2025	ALP Update	\$ 409,000	\$ 265,920	\$ 368,100	\$ 32,720	\$ 8,180	Master Plan Update
23	2025	Environmental Assessment	\$ 921,000	\$ 598,320	\$ 828,900	\$ 73,680	\$ 18,420	Master Plan Update
24	2025	Land Acquisition	\$ 399,000	\$ 259,272	\$ 359,100	\$ 31,920	\$ 7,980	Master Plan Update
25	2025	AWOS Relocation	\$ 239,000	\$ 155,120	\$ 215,100	\$ 19,120	\$ 4,780	Master Plan Update
26	2025	Eastside Apron and Taxiway Phase 2	\$ 23,617,000	\$ 15,341,135	\$ 21,255,300	\$ 1,889,360	\$ 472,340	Master Plan Update
27	2025	Eastside Taxiway Extension	\$ 3,031,000	\$ 1,968,616	\$ 2,727,900	\$ 242,480	\$ 60,620	Master Plan Update
28	2025	Phase 3 T-Hangar Site Construction (2 Units)	\$ 606,000	\$ 393,360	\$ 545,400	\$ 48,480	\$ 12,120	Master Plan Update
29	2025	Phase 3 T-Hangar Building Construction (2 Units)	\$ 194,000	\$ 126,000	\$ -	\$ -	\$ 194,000	Master Plan Update
30	2025	Phase 3 Corporate Hangar Site Construction (4 Units 80' x 80')	\$ 561,000	\$ 364,186	\$ 504,900	\$ 44,880	\$ 11,220	Master Plan Update
31	2025	Phase 3 Corporate Hangar Building Construction (4 Units 80' x 80')	\$ 388,000	\$ 252,000	\$ -	\$ -	\$ 388,000	Master Plan Update
32	2035	Phase 4 ALP Update	\$ 547,000	\$ 240,000	\$ 492,300	\$ 43,760	\$ 10,940	Master Plan Update
33	2035	Phase 4 Environmental Assessment	\$ 1,231,000	\$ 540,000	\$ 1,107,900	\$ 98,480	\$ 24,620	Master Plan Update
34	2035	Land Acquisition (Easements)	\$ 1,080,000	\$ 473,850	\$ 972,000	\$ 86,400	\$ 21,600	Master Plan Update
35	2035	NAVAID Relocation	\$ 319,000	\$ 140,000	\$ 287,100	\$ 25,520	\$ 6,380	Master Plan Update
36	2035	Runway Extension to 6,000'	\$ 2,447,000	\$ 1,073,790	\$ 2,202,300	\$ 195,760	\$ 48,940	Master Plan Update
37	2035	Phase 4 T-Hangar Site Construction (2 Units)	\$ 4,482,000	\$ 1,966,799	\$ 4,033,800	\$ 358,560	\$ 89,640	Master Plan Update
38	2035	Phase 4 T-Hangar Building Construction (2 Units)	\$ 287,000	\$ 126,000	\$ -	\$ -	\$ 287,000	Master Plan Update
39	2035	Phase Corporate Hangar Site Construction (4 Units 150' x 150')	\$ 2,166,000	\$ 950,620	\$ 1,949,400	\$ 173,280	\$ 43,320	Master Plan Update
40	2035	Phase 4 Corporate Hangar Buildings (4 Units 150' x 150')	\$ 1,276,000	\$ 560,000	\$ -	\$ -	\$ 1,276,000	Master Plan Update

Airport Code	CJR
Airport Name	Culpeper Regional
Airport Region	3
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
41	2019	24/7 AVGAS Card Reader	\$ 85,000	\$ 70,000	\$ 76,500	\$ 6,800	\$ 1,700	Facilities Requirements
Total Project Cost at Airport			\$93,301,000	\$66,430,015				

Project Cost Totals by Contribution		
Federal Contribution	79.5%	\$ 74,175,300
State Contribution	9.8%	\$ 9,099,240
Airport Contribution	10.7%	\$ 10,026,460
Total		\$ 93,301,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 37,625,000	\$ 1,135,000	\$ 23,189,000	\$ 27,516,000	\$ -	\$ 3,836,000	\$ -	\$ -	\$ -
40.3%	1.2%	24.9%	29.5%	0.0%	4.1%	0.0%	0.0%	0.0%

Airport Code	DAN
Airport Name	Danville Regional
Airport Region	5
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Airport Maintenance Equipment Storage Building	\$ 43,000	\$ 42,000	\$ -	\$ 34,400	\$ 8,600	ACIP
2	2015	Taxilane Rehab - Construction	\$ 502,000	\$ 489,600	\$ 451,800	\$ 40,160	\$ 10,040	ACIP
3	2015	Taxilane Rehab - Design Services	\$ 57,000	\$ 55,200	\$ 51,300	\$ 4,560	\$ 1,140	ACIP
4	2015	Taxiway A Fillet Widening (Design)	\$ 33,000	\$ 32,400	\$ 29,700	\$ 2,640	\$ 660	ACIP
5	2015	Taxiway A Pavement Rehabilitation (Design)	\$ 220,000	\$ 214,800	\$ 198,000	\$ 17,600	\$ 4,400	ACIP
6	2015	Taxiway 'D' and 'E' Connectors Rehabilitation - Construction	\$ 377,000	\$ 367,200	\$ 339,300	\$ 30,160	\$ 7,540	ACIP
7	2015	Pavement Maintenance Project - Airfield	\$ 123,000	\$ 120,000	\$ 110,700	\$ 9,840	\$ 2,460	ACIP
8	2016	Taxiway A Fillet Widening (Construction)	\$ 135,000	\$ 128,400	\$ 121,500	\$ 10,800	\$ 2,700	ACIP
9	2016	Taxiway A Rehabilitation - Construction	\$ 3,663,000	\$ 3,480,000	\$ 3,296,700	\$ 293,040	\$ 73,260	ACIP
10	2016	Terminal Apron Expansion - Construction	\$ 734,000	\$ 697,200	\$ 660,600	\$ 58,720	\$ 14,680	ACIP
11	2016	Terminal Apron Expansion - Design	\$ 71,000	\$ 67,320	\$ 63,900	\$ 5,680	\$ 1,420	ACIP
12	2016	West T-Hangar Area - Construction 10 Unit T-Hangar	\$ 758,000	\$ 720,000	\$ -	\$ -	\$ 758,000	ACIP
13	2016	Extend Taxiway F to GA Apron	\$ 568,000	\$ 540,000	\$ 511,200	\$ 45,440	\$ 11,360	ACIP
14	2016	Pavement Maintenance Project - Airfield	\$ 126,000	\$ 120,000	\$ 113,400	\$ 10,080	\$ 2,520	ACIP
15	2017	14 Unit T-Hangar Site Prep/Taxilane Installation - Design	\$ 67,000	\$ 60,000	\$ 60,300	\$ 5,360	\$ 1,340	ACIP
16	2017	70 x 70 Hangar Development - Design	\$ 73,000	\$ 64,800	\$ 65,700	\$ 5,840	\$ 1,460	ACIP
17	2017	70 x 70 Hangar Site Prep and Apron Install. - Construction	\$ 918,000	\$ 816,000	\$ 826,200	\$ 73,440	\$ 18,360	ACIP
18	2017	Terminal Apron Resurfacing (Design)	\$ 101,000	\$ 90,000	\$ 90,900	\$ 8,080	\$ 2,020	ACIP
19	2018	14 Unit T-Hangar Site Prep/Taxilane Installation - Construction	\$ 1,067,000	\$ 912,000	\$ 960,300	\$ 85,360	\$ 21,340	ACIP
20	2018	Terminal Apron Resurfacing - Construction	\$ 1,404,000	\$ 1,200,000	\$ 1,263,600	\$ 112,320	\$ 28,080	ACIP
21	TBD	Construct NW Box Hangar (80' x 80')	\$ 1,554,000	\$ 1,050,000	\$ -	\$ -	\$ 1,554,000	MPU
22	TBD	Multi-Use Apron - Construct (1) 100 x 100 hangar w/parking	\$ 1,243,000	\$ 840,000	\$ -	\$ -	\$ 1,243,000	MPU
23	TBD	Multi-Use Apron - Construct (1) 100 x 200 hangar w/parking	\$ 2,487,000	\$ 1,680,000	\$ -	\$ -	\$ 2,487,000	MPU
24	TBD	Terminal Apron Expansion PH 1 (Design)	\$ 2,487,000	\$ 1,680,000	\$ 2,238,300	\$ 198,960	\$ 49,740	MPU
25	TBD	Multi-Use Apron - Construct (2) 100 x 100 hangar w/parking	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	MPU
26	TBD	Site Prep - 12 Unit T-Hangar (West T-Hangar Area)	\$ 311,000	\$ 210,000	\$ 279,900	\$ 24,880	\$ 6,220	MPU
27	TBD	West Central GA - Construct (2) 70' x 70' Box Hangars w/parking lot and apron	\$ 1,658,000	\$ 1,120,000	\$ -	\$ -	\$ 1,658,000	MPU
28	TBD	Box Hangar Development - PH 1 (10 Hangars)	\$ 4,145,000	\$ 2,800,000	\$ -	\$ -	\$ 4,145,000	MPU
29	TBD	Terminal Apron Expansion PH 2 (Construction)	\$ 829,000	\$ 560,000	\$ 746,100	\$ 66,320	\$ 16,580	MPU
30	TBD	Multi-Use Apron - Construct (1) 100' x 100' Conv. Hangar	\$ 1,036,000	\$ 700,000	\$ -	\$ -	\$ 1,036,000	MPU
31	TBD	Box Hangar Development PH 2 (12 Hangars)	\$ 4,974,000	\$ 3,360,000	\$ -	\$ -	\$ 4,974,000	MPU
32	TBD	PH 1 - SE Mixed Use Area Infrastructure and Access	\$ 414,000	\$ 280,000	\$ 372,600	\$ 33,120	\$ 8,280	MPU
33	TBD	PH 1 - North Comm/Industrial Complex Infrastructure	\$ 2,072,000	\$ 1,400,000	\$ 1,864,800	\$ 165,760	\$ 41,440	MPU
34	TBD	PH 1 - East GA Area Infrastructure and Site Prep	\$ 414,000	\$ 280,000	\$ 372,600	\$ 33,120	\$ 8,280	MPU
35	TBD	PH 2 SE Mixed Use - Construct 2 (100' x 300') Hangars, parking, and partial taxiway	\$ 5,388,000	\$ 3,640,000	\$ -	\$ -	\$ 5,388,000	MPU
36	TBD	PH 2 - North Commercial/Industrial Site Prep, Access and Infrastructure	\$ 2,072,000	\$ 1,400,000	\$ 1,864,800	\$ 165,760	\$ 41,440	MPU
37	TBD	PH 2 - East GA Construct 2 T-Hangars	\$ 207,000	\$ 140,000	\$ -	\$ -	\$ 207,000	MPU
38	TBD	Construct Full-Length Parallel Taxiway w/connectors E of RW 2-20	\$ 12,434,000	\$ 8,400,000	\$ 11,190,600	\$ 994,720	\$ 248,680	MPU
39	TBD	Construct Platform and Raise VOR	\$ 518,000	\$ 350,000	\$ 466,200	\$ 41,440	\$ 10,360	MPU
40	TBD	Master Plan Update	\$ 888,000	\$ 600,000	\$ 799,200	\$ 71,040	\$ 17,760	MPU

Airport Code	DAN
Airport Name	Danville Regional
Airport Region	5
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
41	TBD	PH 3 - North Commercial/Industrial - Construct 3 Large Hangars - 100' x 250'	\$ 4,145,000	\$ 2,800,000	\$ -	\$ -	\$ 4,145,000	MPU
42	TBD	PH 1 - East Central GA Area Infrastructure/Access	\$ 414,000	\$ 280,000	\$ 372,600	\$ 33,120	\$ 8,280	MPU
43	TBD	PH 1 - Full Length Parallel Taxiway N of RW 13-31 - Infrastructure and Site	\$ 5,181,000	\$ 3,500,000	\$ 4,662,900	\$ 414,480	\$ 103,620	MPU
44	TBD	PH 3 - East GA Construct 2 T-Hangars and Taxilanes	\$ 1,451,000	\$ 980,000	\$ -	\$ -	\$ 1,451,000	MPU
45	TBD	West Corporate/GA Infrastructure and Site Prep	\$ 1,036,000	\$ 700,000	\$ 932,400	\$ 82,880	\$ 20,720	MPU
46	TBD	PH 2 - Construct Full-Length Parallel Taxiway w/connectors N of RW 13-31	\$ 5,181,000	\$ 3,500,000	\$ 4,662,900	\$ 414,480	\$ 103,620	MPU
47	TBD	PH 1 - NW Corporate Area Infrastructure & Site Prep	\$ 622,000	\$ 420,000	\$ 559,800	\$ 49,760	\$ 12,440	MPU
48	TBD	PH 2 - East Central GA Area - Construct 2 80' x 80' Box Hangars with Apron	\$ 1,761,000	\$ 1,190,000	\$ -	\$ -	\$ 1,761,000	MPU
49	TBD	West Corporate/GA - PH 2 - Construct (6) 50' x 50' Hangars with Apron	\$ 2,487,000	\$ 1,680,000	\$ -	\$ -	\$ 2,487,000	MPU
50	TBD	PH 4 - North Commercial/Industrial - Construct (1) 100' x 100' and (1) 50' x 50'	\$ 2,072,000	\$ 1,400,000	\$ -	\$ -	\$ 2,072,000	MPU
51	TBD	PH 1 - NE GA Infrastructure & Site Prep	\$ 414,000	\$ 280,000	\$ 372,600	\$ 33,120	\$ 8,280	MPU
52	TBD	PH 3 - East Central GA Area - Cons 3 T-Hangars w/taxilane	\$ 2,176,000	\$ 1,470,000	\$ -	\$ -	\$ 2,176,000	MPU
53	TBD	PH 2 - NE GA Construct 4 T-Hangars w/apron and taxilane	\$ 2,901,000	\$ 1,960,000	\$ -	\$ -	\$ 2,901,000	MPU
54	TBD	PH 1 - Mixed Use North Area Infrastructure and Site Prep	\$ 622,000	\$ 420,000	\$ 559,800	\$ 49,760	\$ 12,440	MPU
55	TBD	PH 2 - NW Corporate Area Construct 5 Box Hangars (50' x 50') w/apron	\$ 1,658,000	\$ 1,120,000	\$ -	\$ -	\$ 1,658,000	MPU
56	TBD	PH 4 - East Central GA Area - Cons 3 T-Hangars w/taxilane	\$ 2,176,000	\$ 1,470,000	\$ -	\$ -	\$ 2,176,000	MPU
57	TBD	PH 2 - Mixed Use North Construct 1 80' x 80' Box Hangar w/apron	\$ 2,280,000	\$ 1,540,000	\$ -	\$ -	\$ 2,280,000	MPU
58	TBD	West Corporate/GA - PH 3 Construct (5) - 50' x 50' Hangars w/apron	\$ 2,280,000	\$ 1,540,000	\$ -	\$ -	\$ 2,280,000	MPU
59	TBD	Pavement Maintenance Project	\$ 1,451,000	\$ 980,000	\$ 1,305,900	\$ 116,080	\$ 29,020	MPU
60	TBD	Auto Parking Expansion (29 Spaces)	\$ 156,000	\$ 105,560	\$ -	\$ -	\$ 156,000	MPU
61	TBD	Fuel Improvements (24/7 Card Reader)	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	MPU
62	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	MPU
63	TBD	Terminal Pilot Services Improvements (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	MPU
64	TBD	RPZ Land Acquisiton (47.4 Acres Fee Simple)	\$ 912,000	\$ 616,200	\$ 820,800	\$ 72,960	\$ 18,240	MPU

Total Project Cost at Airport	\$100,807,000	\$70,860,680
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Project Cost Totals by Contribution		
Federal Contribution	43.3%	\$ 43,659,900
State Contribution	3.9%	\$ 3,956,880
Airport Contribution	52.8%	\$ 53,190,220
Total		\$ 100,807,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 52,121,000	\$ -	\$ 47,642,000	\$ 156,000	\$ -	\$ 888,000	\$ -	\$ -	\$ -	
51.7%	0.0%	47.3%	0.2%	0.0%	0.9%	0.0%	0.0%	0.0%	

Airport Code	PTB
Airport Name	Dinwiddie County
Airport Region	5
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Apron and Taxiway Rehabilitation (Construction)	\$ 821,000	\$ 799,999	\$ 738,900	\$ 65,680	\$ 16,420	ACIP
2	2015	T-Hangar (10 Units) (Design)	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
3	2015	T-Hangar Parking Lot (Design)	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
4	2015	T-Hangar Taxilanes (Design)	\$ 92,000	\$ 90,000	\$ 82,800	\$ 7,360	\$ 1,840	ACIP
5	2016	T-Hangar (10 Units) (Construction)	\$ 442,000	\$ 420,000	\$ -	\$ -	\$ 442,000	ACIP
6	2016	T-Hangar Parking Lot (Construction)	\$ 189,000	\$ 180,000	\$ 170,100	\$ 15,120	\$ 3,780	ACIP
7	2016	T-Hangar Taxilanes (Construction)	\$ 632,000	\$ 600,000	\$ 568,800	\$ 50,560	\$ 12,640	ACIP
8	2018	South Hangar Apron Area - Phase 1 (Preliminary Design)	\$ 140,000	\$ 120,000	\$ 126,000	\$ 11,200	\$ 2,800	ACIP
9	2019	South Hangar Apron Area - Phase 1 (Design)	\$ 243,000	\$ 200,000	\$ 218,700	\$ 19,440	\$ 4,860	ACIP
10	2019	South Hangar Apron Area - Phase 1 (Construction) Local	\$ 190,000	\$ 156,000	\$ 171,000	\$ 15,200	\$ 3,800	ACIP
11	2019	South Hangar Apron Area - Phase 1 (Construction) Non-AIP	\$ 511,000	\$ 420,000	\$ 459,900	\$ 40,880	\$ 10,220	ACIP
12	2020	South Hangar Apron Area - Phase 1 (Construction)	\$ 2,885,000	\$ 2,280,000	\$ 2,596,500	\$ 230,800	\$ 57,700	ACIP
13	TBD	Ruway 5-23 Extension (400' x 100')	\$ 1,464,000	\$ 988,830	\$ 1,317,600	\$ 117,120	\$ 29,280	ALP
14	TBD	Taxiway Extension (400' x 35')	\$ 4,611,000	\$ 3,115,126	\$ 4,149,900	\$ 368,880	\$ 92,220	ALP
15	TBD	T-Hangar Site Construction (32 Units)	\$ 11,219,000	\$ 7,579,085	\$ 10,097,100	\$ 897,520	\$ 224,380	ALP
16	TBD	T-Hangar Building Construction (32 Units)	\$ 2,984,000	\$ 2,016,000	\$ -	\$ -	\$ 2,984,000	ALP
17	TBD	Corporate Hangar Site Construction (6 Units 60' x 60')	\$ 2,805,000	\$ 1,894,771	\$ 2,524,500	\$ 224,400	\$ 56,100	ALP
18	TBD	Corporate Hangar Building Construction (6 Units 60' x 60')	\$ 1,243,000	\$ 840,000	\$ -	\$ -	\$ 1,243,000	ALP
19	TBD	Executive Hangar Site Construction (4 Units 80' x 80')	\$ 2,597,000	\$ 1,754,242	\$ 2,337,300	\$ 207,760	\$ 51,940	ALP
20	TBD	Executive Hangar Building Construction (4 Units 80' x 80')	\$ 829,000	\$ 560,000	\$ -	\$ -	\$ 829,000	ALP
21	TBD	Storage Hangar Site Construction (3 Units 40' x 40')	\$ 1,013,000	\$ 684,091	\$ 911,700	\$ 81,040	\$ 20,260	ALP
22	TBD	Storage Hangar Building Construction (3 Units 40' x 40')	\$ 622,000	\$ 420,000	\$ -	\$ -	\$ 622,000	ALP
23	TBD	Primary Runway Strength Improvements (17,500 lbs)	\$ 2,764,000	\$ 1,867,051	\$ 2,487,600	\$ 221,120	\$ 55,280	Facilities Requirements
24	TBD	Auto Parking Expansion (49 Spaces)	\$ 264,000	\$ 178,360	\$ -	\$ 211,200	\$ 52,800	Facilities Requirements
25	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
26	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
27	TBD	Add Full-Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
28	TBD	RPZ Land Acquisition (30.9 Acres Fee Simple)	\$ 595,000	\$ 401,700	\$ 535,500	\$ 47,600	\$ 11,900	Facilities Requirements
Total Project Cost at Airport			\$39,590,000	\$27,895,256				

Project Cost Totals by Contribution		
Federal Contribution	74.8%	\$ 29,605,500
State Contribution	7.2%	\$ 2,842,800
Airport Contribution	18.0%	\$ 7,141,700
Total		\$ 39,590,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 14,948,000	\$ -	\$ 24,127,000	\$ 515,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37.8%	0.0%	60.9%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Airport Code	EMV
Airport Name	Emporia-Greenville Regional
Airport Region	6
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Partial Parallel Taxiway - Phase 4 (Environmental & Design)	\$ 234,000	\$ 228,000	\$ 210,600	\$ 18,720	\$ 4,680	ACIP
3	2015	T-Hangar Site (Design)	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
4	2015	T-Hangar Site (Environmental)	\$ 25,000	\$ 24,000	\$ 22,500	\$ 2,000	\$ 500	ACIP
5	2016	Partial Parallel Taxiway - Phase 4	\$ 1,011,000	\$ 960,000	\$ 909,900	\$ 80,880	\$ 20,220	ACIP
6	2016	T-Hangar Site (Construction)	\$ 395,000	\$ 375,600	\$ 355,500	\$ 31,600	\$ 7,900	ACIP
7	2016	Drainage System Rehab - Ph 2 (Design)	\$ 63,000	\$ 60,000	\$ 56,700	\$ 5,040	\$ 1,260	MPU
8	2016	Drainage System Rehab - Ph 2 (Construction)	\$ 684,000	\$ 650,000	\$ 615,600	\$ 54,720	\$ 13,680	MPU
9	2016	Rehab Airport Beacon (Design)	\$ 6,000	\$ 6,000	\$ -	\$ 4,800	\$ 1,200	MPU
10	2016	Rehab Airport Beacon (Construction)	\$ 55,000	\$ 52,000	\$ -	\$ 44,000	\$ 11,000	MPU
11	2016	Install ODALs RW 33 (Design)	\$ 8,000	\$ 7,200	\$ 7,200	\$ 640	\$ 160	MPU
12	2016	Install ODALs RW 33 (Construction)	\$ 96,000	\$ 91,000	\$ 86,400	\$ 7,680	\$ 1,920	MPU
13	2016	Rehabilitate Fuel Farm (Design)	\$ 6,000	\$ 6,000	\$ 5,400	\$ 480	\$ 120	MPU
14	2016	Rehabilitate Fuel Farm (Construction)	\$ 34,000	\$ 32,500	\$ 30,600	\$ 2,720	\$ 680	MPU
15	2016	T-Hangar Site Construction (10 Units)	\$ 2,493,000	\$ 2,368,464	\$ 2,243,700	\$ 199,440	\$ 49,860	MPU
16	2016	T-Hangar Building Construction (10 Units)	\$ 663,000	\$ 630,000	\$ -	\$ -	\$ 663,000	MPU
17	2016	Rehabilitate Apron (Design)	\$ 114,000	\$ 108,000	\$ 102,600	\$ 9,120	\$ 2,280	MPU
18	2016	Rehabilitate Apron (Construction)	\$ 1,806,000	\$ 1,716,000	\$ 1,625,400	\$ 144,480	\$ 36,120	MPU
19	2016	Corporate Hangar (Construction) (Site Already Graded)	\$ 1,710,000	\$ 1,624,000	\$ -	\$ -	\$ 1,710,000	MPU
20	2016	Taxiway "A" Rehab (Design)	\$ 38,000	\$ 36,000	\$ 34,200	\$ 3,040	\$ 760	MPU
21	2016	Taxiway "A" Rehab (Construction)	\$ 411,000	\$ 390,000	\$ 369,900	\$ 32,880	\$ 8,220	MPU
22	2016	Landside Access Road Phase 1 (Design)	\$ 379,000	\$ 360,000	\$ 341,100	\$ 30,320	\$ 7,580	MPU
23	2016	Landside Access Road Phase 1 (Construction)	\$ 2,190,000	\$ 2,080,000	\$ 1,971,000	\$ 175,200	\$ 43,800	MPU
24	2016	Rehabilitate TW "A" MITL (Design)	\$ 13,000	\$ 12,000	\$ 11,700	\$ 1,040	\$ 260	MPU
25	2016	Rehabilitate TW "A" MITL (Construction)	\$ 89,000	\$ 84,500	\$ 80,100	\$ 7,120	\$ 1,780	MPU
26	2016	Install MITLs Parallel TW (Design)	\$ 32,000	\$ 30,000	\$ 28,800	\$ 2,560	\$ 640	MPU
27	2016	Install MITLs Parallel TW (Construction)	\$ 349,000	\$ 331,500	\$ 314,100	\$ 27,920	\$ 6,980	MPU
28	2016	Construct Airport Maint. Bldg (Design)	\$ 63,000	\$ 60,000	\$ -	\$ -	\$ 63,000	MPU
29	2016	Construct Airport Maint. Bldg (Construction)	\$ 342,000	\$ 325,000	\$ -	\$ -	\$ 342,000	MPU
30	2016	Construct Aircraft Wash Rack (Design)	\$ 38,000	\$ 36,000	\$ -	\$ 7,600	\$ 30,400	MPU
31	2016	Construct Aircraft Wash Rack (Construction)	\$ 246,000	\$ 234,000	\$ -	\$ 196,800	\$ 49,200	MPU
32	2016	Obstruction Removal - Phase 2	\$ 29,000	\$ 28,000	\$ -	\$ 23,200	\$ 5,800	MPU
33	2016	Rehab Access Rd and Parking (Construction)	\$ 177,000	\$ 168,000	\$ 159,300	\$ 14,160	\$ 3,540	MPU
34	2016	Security Fence (Construction)	\$ 147,000	\$ 140,000	\$ 132,300	\$ 11,760	\$ 2,940	MPU
35	2024	T-Hangar Site Construction (10 Units)	\$ 3,506,000	\$ 2,368,464	\$ 3,155,400	\$ 280,480	\$ 70,120	MPU
36	2024	T-Hangar Building Construction (10 Units)	\$ 933,000	\$ 630,000	\$ -	\$ -	\$ 933,000	MPU
37	2024	Corporate Hangar Site Construction (1 Unit 100' x 100')	\$ 876,000	\$ 591,974	\$ 788,400	\$ 70,080	\$ 17,520	MPU
38	2024	Corporate Hangar Building Construction (1 Unit 100' x 100')	\$ 207,000	\$ 140,000	\$ -	\$ -	\$ 207,000	MPU
39	2024	Airport Master Plan Update	\$ 266,000	\$ 180,000	\$ 239,400	\$ 21,280	\$ 5,320	MPU
40	2016	Drainage System Rehab - Ph 3 (Design)	\$ 13,000	\$ 12,000	\$ 11,700	\$ 1,040	\$ 260	MPU
41	2024	Drainage System Rehab - Ph 3 (Construction)	\$ 577,000	\$ 390,000	\$ 519,300	\$ 46,160	\$ 11,540	MPU
42	TBD	RW 15-33 Ext./SR 623 Relocation (Preliminary Eng and Environ.)	\$ 931,000	\$ 720,000	\$ 837,900	\$ 74,480	\$ 18,620	MPU

Airport Code	EMV
Airport Name	Emporia-Greenville Regional
Airport Region	6
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE									
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source	
43	TBD	RW 15-33 Extension (Design)	\$ 543,000	\$ 420,000	\$ 488,700	\$ 43,440	\$ 10,860	MPU	
44	TBD	SR 623 Relocation (Design)	\$ 465,000	\$ 360,000	\$ 418,500	\$ 37,200	\$ 9,300	MPU	
45	2024	RW 15-33 Extension (Construction)	\$ 5,292,000	\$ 3,575,000	\$ 4,762,800	\$ 423,360	\$ 105,840	MPU	
46	2024	SR 623 Relocation (Construction)	\$ 2,886,000	\$ 1,950,000	\$ 2,597,400	\$ 230,880	\$ 57,720	MPU	
47	2016	Landside Access Road - Phase 2 (Design)	\$ 379,000	\$ 360,000	\$ 341,100	\$ 30,320	\$ 7,580	MPU	
48	2024	Landside Access Road - Phase 2 (Construction)	\$ 3,464,000	\$ 2,340,000	\$ 3,117,600	\$ 277,120	\$ 69,280	MPU	
49	2024	Relocated Fire Training Bldg (Design & Construction)	\$ 192,000	\$ 130,000	\$ 172,800	\$ 15,360	\$ 3,840	MPU	
50	2024	Land Acquisition	\$ 693,000	\$ 468,000	\$ 623,700	\$ 55,440	\$ 13,860	MPU	
51	2016	Terminal Building Rehabilitation (Design)	\$ 9,000	\$ 9,000	\$ -	\$ 4,680	\$ 4,320	MPU	
52	2024	Terminal Building Rehabilitation (Construction)	\$ 96,000	\$ 65,000	\$ -	\$ 49,920	\$ 46,080	MPU	
53	2024	Obstruction Removal - Phase III	\$ 456,000	\$ 308,000	\$ 410,400	\$ 36,480	\$ 9,120	MPU	
54	2024	Security Fence - Phase 3 (Construction)	\$ 207,000	\$ 140,000	\$ 186,300	\$ 16,560	\$ 4,140	MPU	
55	2024	Add Full Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	Facilities Requirements	
56	2024	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements	
57	2024	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements	
58	2024	Add Full Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements	
59	2024	Pavement Rehab (Taxilane)	\$ 1,036,000	\$ 700,000	\$ 932,400	\$ 82,880	\$ 20,720	Facilities Requirements	
Total Project Cost at Airport			\$40,455,000	\$31,481,202					

Project Cost Totals by Contribution		
Federal Contribution	72.6%	\$ 29,374,200
State Contribution	7.3%	\$ 2,942,040
Airport Contribution	20.1%	\$ 8,138,760
Total		\$ 40,455,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 18,761,000	\$ -	\$ 14,290,000	\$ 6,589,000	\$ 90,000	\$ 266,000	\$ 354,000	\$ 105,000	\$ -	
46.4%	0.0%	35.3%	16.3%	0.2%	0.7%	0.9%	0.3%	0.0%	

Airport Code	FVX
Airport Name	Farmville Municipal
Airport Region	5
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2016	Construct Apron - Relocate Access Road/Beacon/Vault (CO)	\$ 1,579,000	\$ 1,500,000	\$ 1,421,100	\$ 126,320	\$ 31,580	ACIP
2	2016	Relocate Maintenance Building (CO)	\$ 221,000	\$ 210,000	\$ 198,900	\$ 17,680	\$ 4,420	ACIP
3	2016	Relocate Parking Lot (CO)	\$ 505,000	\$ 480,000	\$ 454,500	\$ 40,400	\$ 10,100	ACIP
4	2017	Construct Apron - New Apron & Taxiway (DD/CO)	\$ 4,050,000	\$ 3,600,000	\$ 3,645,000	\$ 324,000	\$ 81,000	ACIP
5	2017	Extend RW 3-21 - Remove Obstructions, off Airport (DD/CO)	\$ 675,000	\$ 600,000	\$ 607,500	\$ 54,000	\$ 13,500	ACIP
6	2018	Construct T-Hangar Taxilanes & T-Hangar (DD)	\$ 140,000	\$ 120,000	\$ 126,000	\$ 11,200	\$ 2,800	ACIP
7	2018	Extend RW 3-21 600' & Widen 25' (DD/CO)	\$ 5,615,000	\$ 4,800,000	\$ 5,053,500	\$ 449,200	\$ 112,300	ACIP
8	2019	Construct T-Hangar (10 Units) (CO)	\$ 292,000	\$ 240,000	\$ -	\$ -	\$ 292,000	ACIP
9	2019	Construct T-Hangar Taxilanes (CO)	\$ 584,000	\$ 480,000	\$ 525,600	\$ 46,720	\$ 11,680	ACIP
10	2019	Extend RW 3-21 600' & Widen 25' (CO)	\$ 3,285,000	\$ 2,700,000	\$ 2,956,500	\$ 262,800	\$ 65,700	ACIP
11	2020	Construct Parallel Taxiway - Phase 1 (DD)	\$ 304,000	\$ 240,000	\$ 273,600	\$ 24,320	\$ 6,080	ACIP
12	2022	Construct Parallel Taxiway - Phase 2	\$ 1,916,000	\$ 1,400,000	\$ 1,724,400	\$ 153,280	\$ 38,320	MPU
13	2022	Install Fence	\$ 287,000	\$ 210,000	\$ 258,300	\$ 22,960	\$ 5,740	MPU
14	2024	Environmental Assessment - Extension	\$ 888,000	\$ 600,000	\$ -	\$ -	\$ 888,000	MPU
15	TBD	Install Localizer	\$ 912,000	\$ 616,000	\$ -	\$ 729,600	\$ 182,400	MPU
16	TBD	Install ODALS	\$ 622,000	\$ 420,000	\$ -	\$ 497,600	\$ 124,400	MPU
17	TBD	Construct T-Hangar Taxiway	\$ 1,243,000	\$ 840,000	\$ 1,118,700	\$ 99,440	\$ 24,860	MPU
18	TBD	Construct T-Hangar (2 ten-unit)	\$ 1,243,000	\$ 840,000	\$ -	\$ -	\$ 1,243,000	MPU
19	TBD	Corporate Hangar Site Construction (9 Units 60' x 60')	\$ 4,207,000	\$ 2,842,157	\$ 3,786,300	\$ 336,560	\$ 84,140	MPU
20	TBD	Corporate Hangar Building Construction (9 Units 60' x 60')	\$ 1,865,000	\$ 1,260,000	\$ -	\$ -	\$ 1,865,000	MPU
21	TBD	Primary Runway Strength Improvements (17,500 lbs)	\$ 3,039,000	\$ 2,053,330	\$ 2,735,100	\$ 243,120	\$ 60,780	Facilities Requirements
22	TBD	Instrumentation Improvements (REILs - RW 3)	\$ 104,000	\$ 70,000	\$ 93,600	\$ 8,320	\$ 2,080	Facilities Requirements
23	TBD	Terminal Expansion (1359 SF)	\$ 845,000	\$ 570,780	\$ -	\$ 439,400	\$ 405,600	Facilities Requirements
24	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
25	TBD	Pavement Rehab (Taxiway & Apron)	\$ 7,090,000	\$ 4,789,540	\$ 6,381,000	\$ 567,200	\$ 141,800	Facilities Requirements
26	TBD	RPZ Land Acquisition (4.9 Acres Fee Simple)	\$ 94,000	\$ 63,700	\$ 84,600	\$ 7,520	\$ 1,880	Facilities Requirements

Total Project Cost at Airport	\$41,694,000	\$31,605,506
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Project Cost Totals by Contribution		
Federal Contribution	75.4%	\$ 31,444,200
State Contribution	10.7%	\$ 4,461,640
Airport Contribution	13.9%	\$ 5,788,160
Total		\$ 41,694,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 30,747,000	\$ 726,000	\$ 7,696,000	\$ 505,000	\$ -	\$ 888,000	\$ 287,000	\$ 845,000	\$ -	
73.7%	1.7%	18.5%	1.2%	0.0%	2.1%	0.7%	2.0%	0.0%	

Airport Code	HSP
Airport Name	Ingalls Field
Airport Region	2
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Maintenance Equipment Storage Building Design	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
2	2015	Obstruction Removal - Runway 7-25 - Phase 4 (Rebid & CO)	\$ 1,477,000	\$ 1,440,000	\$ 1,329,300	\$ 118,160	\$ 29,540	ACIP
3	2015	Terminal Assessment and Conceptual Study	\$ 74,000	\$ 72,000	\$ -	\$ 59,200	\$ 14,800	ACIP
4	2016	Hangar Demolition	\$ 189,000	\$ 180,000	\$ 170,100	\$ 15,120	\$ 3,780	ACIP
5	2016	Maintenance Equipment Storage Building Construction	\$ 568,000	\$ 540,000	\$ -	\$ 454,400	\$ 113,600	ACIP
6	2017	Terminal Renovation /Replacement Design	\$ 135,000	\$ 120,000	\$ -	\$ 108,000	\$ 27,000	ACIP
7	2018	Construct Hangar (6 Unit w/End Unit)	\$ 702,000	\$ 600,000	\$ -	\$ -	\$ 702,000	ACIP
8	2019	Terminal Renovation/Replacement Construction	\$ 1,752,000	\$ 1,440,000	\$ -	\$ 911,040	\$ 840,960	ACIP
9	2022	Taxiway A Relocation (1,425' x 35')	\$ 1,847,000	\$ 1,349,230	\$ 1,662,300	\$ 147,760	\$ 36,940	ALP
10	2022	Taxiway D Relocation (218' x 35')	\$ 283,000	\$ 206,450	\$ 254,700	\$ 22,640	\$ 5,660	ALP
11	2022	Corporate Hangar Site Construction (1 Unit 70' x 80')	\$ 391,000	\$ 285,568	\$ 351,900	\$ 31,280	\$ 7,820	ALP
12	2022	Corporate Hangar Building Construction (1 Unit 70' x 80')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
13	2022	T-Hangar Site Construction (10 Units)	\$ 2,294,000	\$ 1,676,523	\$ 2,064,600	\$ 183,520	\$ 45,880	ALP
14	2022	T-Hangar Building Construction (10 Units)	\$ 862,000	\$ 630,000	\$ -	\$ -	\$ 862,000	ALP
15	TBD	Instrument Improvements (REILs - RW 25)	\$ 104,000	\$ 70,000	\$ 93,600	\$ 8,320	\$ 2,080	Facilities Requirements
16	TBD	Communications Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ -	\$ 124,000	Facilities Requirements
17	TBD	Corporate Hangar Site Construction (5 Units 60' x 60')	\$ 1,654,000	\$ 1,117,682	\$ 1,488,600	\$ 132,320	\$ 33,080	Facilities Requirements
18	TBD	Corporate Hangar Building Construction (5 Units 60' x 60')	\$ 1,036,000	\$ 700,000	\$ -	\$ -	\$ 1,036,000	Facilities Requirements
19	TBD	Apron Area Expansion (6,472)	\$ 2,147,000	\$ 1,450,309	\$ 1,932,300	\$ 171,760	\$ 42,940	Facilities Requirements
20	TBD	Add Full-Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	Facilities Requirements
21	TBD	Fuel Improvements (24/7 Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
22	TBD	Offer Aircraft Maintenance	\$ 178,000	\$ 120,000	\$ -	\$ -	\$ 178,000	Facilities Requirements
23	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
24	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
25	TBD	Add Full-Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
26	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
27	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
28	TBD	Master Plan and ALP Update	\$ 799,000	\$ 540,000	\$ 719,100	\$ 63,920	\$ 15,980	Facilities Requirements
			Total Project Cost at Airport	\$20,549,000	\$15,306,763			

Project Cost Totals by Contribution		
Federal Contribution	50.4%	\$ 10,355,400
State Contribution	11.9%	\$ 2,453,120
Airport Contribution	37.7%	\$ 7,740,480
Total		\$ 20,549,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 5,961,000	\$ 228,000	\$ 11,600,000	\$ -	\$ -	\$ 799,000	\$ -	\$ 1,961,000	\$ -	
29.0%	1.1%	56.5%	0.0%	0.0%	3.9%	0.0%	9.5%	0.0%	

Airport Code	LNP
Airport Name	Lonesome Pine
Airport Region	1
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2016	Obstruction Removal (Design)	\$ 316,000	\$ 300,000	\$ 284,400	\$ 25,280	\$ 6,320	ACIP
2	2017	Obstruction Removal (Construction)	\$ 1,350,000	\$ 1,200,000	\$ 1,215,000	\$ 108,000	\$ 27,000	ACIP
3	2018	Construct Standard RSA - Phase I (Design)	\$ 1,404,000	\$ 1,200,000	\$ 1,263,600	\$ 112,320	\$ 28,080	ACIP
4	2019	Construct Standard RSA - Phase II (Construction)	\$ 7,738,000	\$ 6,360,000	\$ 6,964,200	\$ 619,040	\$ 154,760	ACIP
5	2020	Construct Standard RSA - Phase III (Construction)	\$ 8,047,000	\$ 6,360,000	\$ 7,242,300	\$ 643,760	\$ 160,940	ACIP
6	2021	MALSR (RW24 End)	\$ 276,000	\$ 210,000	\$ 248,400	\$ 22,080	\$ 5,520	ALP/MPU
7	2022	Parallel Taxiway (RW6 End)	\$ 5,124,000	\$ 3,744,051	\$ 4,611,600	\$ 409,920	\$ 102,480	ALP/MPU
8	2023	Helipad	\$ 107,000	\$ 74,881	\$ 96,300	\$ 8,560	\$ 2,140	ALP/MPU
9	2024	Maintenance Hangar Site Construction (1 Unit 250' x 250')	\$ 4,942,000	\$ 3,338,838	\$ 4,447,800	\$ 395,360	\$ 98,840	ALP/MPU
10	2024	Maintenance Hangar Building Construction (1 Unit 250' x 250')	\$ 207,000	\$ 140,000	\$ -	\$ -	\$ 207,000	ALP/MPU
11	2025	Self-Serve Fuel Pump	\$ 108,000	\$ 70,000	\$ 97,200	\$ 8,640	\$ 2,160	ALP/MPU
12	2025	Perimeter Fence	\$ 1,541,000	\$ 1,001,000	\$ 1,386,900	\$ 123,280	\$ 30,820	ALP/MPU
13	2026	T-Hangar Site Construction (15 Units)	\$ 6,551,000	\$ 4,091,713	\$ 5,895,900	\$ 524,080	\$ 131,020	ALP/MPU
14	2026	T-Hangar Building Construction (15 Units)	\$ 1,513,000	\$ 945,000	\$ -	\$ -	\$ 1,513,000	ALP/MPU
15	2027	Conventional Hangar #1 Site Construction (1 Unit 80' x 80')	\$ 841,000	\$ 505,099	\$ 756,900	\$ 67,280	\$ 16,820	ALP/MPU
16	2027	Conventional Hangar #1 Building Construction (1 Unit 80' x 80')	\$ 1,299,000	\$ 910,000	\$ -	\$ -	\$ 1,299,000	ALP/MPU
17	2028	Conventional Hangar #2 Site Construction (1 Unit 80' x 80')	\$ 875,000	\$ 505,099	\$ 787,500	\$ 70,000	\$ 17,500	ALP/MPU
18	2028	Conventional Hangar #2 Building Construction (1 Unit 80' x 80')	\$ 242,000	\$ 140,000	\$ -	\$ -	\$ 242,000	ALP/MPU
19	2026	Runway Extension (100')	\$ 476,000	\$ 297,117	\$ 428,400	\$ 38,080	\$ 9,520	Facilities Requirements
20	2020	Add GCO	\$ 106,000	\$ 84,000	\$ -	\$ 84,800	\$ 21,200	Facilities Requirements
21	2024	Apron Expansion	\$ 6,730,000	\$ 4,546,347	\$ 6,057,000	\$ 538,400	\$ 134,600	Facilities Requirements
22	2020	Add Full-Service FBO	\$ 2,657,000	\$ 2,100,000	\$ -	\$ -	\$ 2,657,000	Facilities Requirements
23	2020	Offer Aircraft Maintenance	\$ 152,000	\$ 120,000	\$ -	\$ -	\$ 152,000	Facilities Requirements
24	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	Facilities Requirements
25	2020	Rehabilitate Pavement (Runway, Taxiway, Apron)	\$ 14,039,000	\$ 11,095,665	\$ 12,635,100	\$ 1,123,120	\$ 280,780	Facilities Requirements
Total Project Cost at Airport			\$66,717,000	\$49,398,810				

Project Cost Totals by Contribution		
Federal Contribution	81.6%	\$ 54,418,500
State Contribution	7.4%	\$ 4,922,000
Airport Contribution	11.1%	\$ 7,376,500
Total		\$ 66,717,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 45,331,000	\$ 382,000	\$ 19,463,000	\$ -	\$ -	\$ -	\$ 1,541,000	\$ -	\$ -
67.9%	0.6%	29.2%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%

Airport Code	AVC
Airport Name	Mecklenburg-Brunswick Regional
Airport Region	6
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2016	Rehabilitate Runway 1-19 (CO)	\$ 3,158,000	\$ 3,000,000	\$ 2,842,200	\$ 252,640	\$ 63,160	ACIP
2	2017	Rehabilitate T-Hangar Taxiways (DD)	\$ 135,000	\$ 120,000	\$ 121,500	\$ 10,800	\$ 2,700	ACIP
3	2018	MES Building	\$ 140,000	\$ 120,000	\$ -	\$ 112,000	\$ 28,000	ACIP
4	2018	Rehabilitate T-Hangar Taxiways (CO)	\$ 1,544,000	\$ 1,320,000	\$ 1,389,600	\$ 123,520	\$ 30,880	ACIP
5	2019	Construct Helicopter Parking Apron (DD)	\$ 73,000	\$ 60,000	\$ 65,700	\$ 5,840	\$ 1,460	ACIP
6	2019	Rehabilitate Terminal Apron (DD)	\$ 219,000	\$ 180,000	\$ 197,100	\$ 17,520	\$ 4,380	ACIP
7	2020	Construct Helicopter Parking Apron (CO)	\$ 304,000	\$ 240,000	\$ 273,600	\$ 24,320	\$ 6,080	ACIP
8	2020	Rehabilitate Terminal Apron (CO)	\$ 1,518,000	\$ 1,200,000	\$ 1,366,200	\$ 121,440	\$ 30,360	ACIP
9	2020	Corporate Hangar Demolition	\$ 89,000	\$ 70,000	\$ 80,100	\$ 7,120	\$ 1,780	ALP
10	TBD	Corporate Hangar Site Construction (35 Units 60' x 60')	\$ 16,361,000	\$ 11,052,832	\$ 14,724,900	\$ 1,308,880	\$ 327,220	ALP
11	TBD	Corporate Hangar Building Construction (35 Units 60' x 60')	\$ 7,253,000	\$ 4,900,000	\$ -	\$ -	\$ 7,253,000	ALP
12	TBD	Apron Expansion (18,030 SY)	\$ 5,417,000	\$ 3,659,333	\$ 4,875,300	\$ 433,360	\$ 108,340	ALP
13	TBD	Primary Runway Strength Improvements (17,500 lbs)	\$ 2,072,000	\$ 1,400,011	\$ 1,864,800	\$ 165,760	\$ 41,440	Facilities Requirements
14	TBD	Terminal Expansion (2574 SF)	\$ 1,600,000	\$ 1,081,080	\$ -	\$ 832,000	\$ 768,000	Facilities Requirements
15	TBD	Add Full Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	Facilities Requirements
16	TBD	Offer Aircraft Maintenance	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements
17	TBD	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
18	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
19	TBD	Add Full Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
20	TBD	RPZ Land Acquisition (1.8 Acres Fee Simple)	\$ 35,000	\$ 23,400	\$ 31,500	\$ 2,800	\$ 700	Facilities Requirements
21	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
22	TBD	Master Plan Update	\$ 799,000	\$ 540,000	\$ 719,100	\$ 63,920	\$ 15,980	Facilities Requirements
Total Project Cost at Airport			\$44,310,000	\$31,393,656				

Project Cost Totals by Contribution		
Federal Contribution	64.8%	\$ 28,691,100
State Contribution	7.9%	\$ 3,494,320
Airport Contribution	27.4%	\$ 12,124,580
Total		\$ 44,310,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 14,630,000	\$ -	\$ 27,281,000	\$ -	\$ -	\$ 799,000	\$ -	\$ 1,600,000	\$ -	
33.0%	0.0%	61.6%	0.0%	0.0%	1.8%	0.0%	3.6%	0.0%	

Airport Code	FYJ
Airport Name	Middle Peninsula Regional
Airport Region	7
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Obstruction Removal - Runway 28 - Environmental Assessment	\$ 205,000	\$ 200,000	\$ 184,500	\$ 16,400	\$ 4,100	ACIP
2	2016	Corporate Hangar Apron (Design)	\$ 51,000	\$ 48,000	\$ 45,900	\$ 4,080	\$ 1,020	ACIP
3	2016	Obstruction Removal - Runway 28 - Easement Acquisition	\$ 491,000	\$ 466,667	\$ 441,900	\$ 39,280	\$ 9,820	ACIP
4	2016	Obstruction Removal - Runway 28 - Easement Acquisition Services	\$ 76,000	\$ 72,000	\$ 68,400	\$ 6,080	\$ 1,520	ACIP
5	2016	Transient Aircraft Apron (Design)	\$ 78,000	\$ 72,000	\$ 70,200	\$ 6,240	\$ 1,560	ACIP
6	2017	Obstruction Removal - Runway 28 (Design)	\$ 150,000	\$ 133,333	\$ 135,000	\$ 12,000	\$ 3,000	ACIP
7	2016	Transient Aircraft Apron (Construction)	\$ 649,000	\$ 600,000	\$ 584,100	\$ 51,920	\$ 12,980	ACIP
8	2018	Corporate Hangar Apron (Construction)	\$ 281,000	\$ 240,000	\$ 252,900	\$ 22,480	\$ 5,620	ACIP
9	2018	Obstruction Removal - Runway 28 (Construction)	\$ 1,365,000	\$ 1,166,666	\$ 1,228,500	\$ 109,200	\$ 27,300	IVATSP Review
10	2019	Corporate Hangar (Construction)	\$ 511,000	\$ 420,000	\$ -	\$ -	\$ 511,000	ACIP
11	2019	Partial Parallel Taxiway Rehabilitation (Design)	\$ 243,000	\$ 200,000	\$ 218,700	\$ 19,440	\$ 4,860	ACIP
12	2020	Partial Parallel Taxiway Rehabilitation (Construction)	\$ 3,290,000	\$ 2,600,000	\$ 2,961,000	\$ 263,200	\$ 65,800	ACIP
13	TBD	Runway Extension (1,300' x 25')	\$ 1,574,000	\$ 1,063,252	\$ 1,416,600	\$ 125,920	\$ 31,480	MPU
14	TBD	T-Hangar Site Construction (27 Units)	\$ 12,526,000	\$ 8,462,362	\$ 11,273,400	\$ 1,002,080	\$ 250,520	MPU
15	TBD	T-Hangar Building Construction (27 Units)	\$ 2,518,000	\$ 1,701,000	\$ -	\$ -	\$ 2,518,000	MPU
16	TBD	Corporate Hangar Site Construction (6 Units 60' x 60')	\$ 3,712,000	\$ 2,507,366	\$ 3,340,800	\$ 296,960	\$ 74,240	MPU
17	TBD	Corporate Hangar Building Construction (6 Units 60' x 60')	\$ 1,243,000	\$ 840,000	\$ -	\$ -	\$ 1,243,000	MPU
18	TBD	Apron Area Expansion (46, 477 SY)	\$ 18,477,000	\$ 12,482,607	\$ 16,629,300	\$ 1,478,160	\$ 369,540	MPU
19	TBD	Auto Parking Expansion (54 Spaces)	\$ 291,000	\$ 196,560	\$ 261,900	\$ 23,280	\$ 5,820	MPU
20	TBD	GA Terminal Expansion (5598 SF)	\$ 3,480,000	\$ 2,351,160	\$ -	\$ 1,809,600	\$ 1,670,400	MPU
21	TBD	Security Fencing - North Perimeter	\$ 311,000	\$ 210,000	\$ 279,900	\$ 24,880	\$ 6,220	MPU
22	TBD	PAPIs and REILs - RW 9-27	\$ 166,000	\$ 112,000	\$ 149,400	\$ 13,280	\$ 3,320	MPU
23	TBD	Communications Improvements (GCO)	\$ 124,000	\$ 84,000	\$ 111,600	\$ 9,920	\$ 2,480	Facilities Requirements
24	TBD	Add Full Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	Facilities Requirements
25	TBD	Offer Aircraft Maintenance	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements
26	TBD	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
27	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
28	TBD	Add Full Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
29	TBD	Pavement Improvements (Taxiway)	\$ 1,554,000	\$ 1,050,000	\$ 1,398,600	\$ 124,320	\$ 31,080	Facilities Requirements
Total Project Cost at Airport			\$56,804,000	\$39,600,974				

Project Cost Totals by Contribution		
Federal Contribution	72.3%	\$ 41,052,600
State Contribution	9.6%	\$ 5,458,720
Airport Contribution	18.1%	\$ 10,292,680
Total		\$ 56,804,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 28,228,000	\$ 290,000	\$ 23,999,000	\$ 291,000	\$ -	\$ 205,000	\$ 311,000	\$ 3,480,000	\$ -	
49.7%	0.5%	42.2%	0.5%	0.0%	0.4%	0.5%	6.1%	0.0%	

Airport Code	MKJ
Airport Name	Mountain Empire
Airport Region	1
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Rehabilitate Runway 8-26 (Design)	\$ 185,000	\$ 180,000	\$ 166,500	\$ 14,800	\$ 3,700	ACIP
2	2016	Rehabilitate Runway 8-26 (Construction)	\$ 2,526,000	\$ 2,400,000	\$ 2,273,400	\$ 202,080	\$ 50,520	ACIP
3	2018	Obstruction Removal Phase VI Land Acquisition / Install ODALS	\$ 421,000	\$ 360,000	\$ 378,900	\$ 33,680	\$ 8,420	ACIP
4	2019	Obstruction Removal Phase VII (Design)	\$ 197,000	\$ 162,000	\$ 177,300	\$ 15,760	\$ 3,940	ACIP
5	2020	Obstruction Removal Phase VIII (Construction)	\$ 1,139,000	\$ 900,000	\$ 1,025,100	\$ 91,120	\$ 22,780	ACIP
6	2021	Excavation for ROFA Compliance and Pt.77 Transitional Surface Clearance	\$ 921,000	\$ 700,000	\$ 828,900	\$ 73,680	\$ 18,420	ALP/MPU
7	2022	Install Perimeter Fence	\$ 958,000	\$ 700,000	\$ 862,200	\$ 76,640	\$ 19,160	ALP/MPU
8	2023	Apron Expansion Near Fuel Farm	\$ 60,000	\$ 42,000	\$ 54,000	\$ 4,800	\$ 1,200	ALP/MPU
9	2023	TSS Grading/ Install MITLs	\$ 1,594,000	\$ 1,120,000	\$ 1,434,600	\$ 127,520	\$ 31,880	ALP/MPU
10	2024	Fuel Improvements (24/7 and Card Reader)	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	ALP/MPU
11	2025	Replace and Relocate Electrical Vault	\$ 539,000	\$ 350,000	\$ 485,100	\$ 43,120	\$ 10,780	ALP/MPU
12	2026	Westside Automobile Parking (25 spaces)	\$ 146,000	\$ 91,000	\$ 131,400	\$ 11,680	\$ 2,920	ALP/MPU
13	2027	Conventional Hangar Site Construction (2 Units 60' x 100')	\$ 1,615,000	\$ 969,736	\$ 1,453,500	\$ 129,200	\$ 32,300	ALP/MPU
14	2027	Conventional Hangar Building Construction (2 Units 60' x 100')	\$ 466,000	\$ 280,000	\$ -	\$ -	\$ 466,000	ALP/MPU
15	2028	T-Hangar Site Construction (15 Units)	\$ 7,086,000	\$ 4,091,713	\$ 6,377,400	\$ 566,880	\$ 141,720	ALP/MPU
16	2028	T-Hangar Building Construction (15 Units)	\$ 1,636,000	\$ 945,000	\$ -	\$ -	\$ 1,636,000	ALP/MPU
17	2029	Apron Area Expansion	\$ 2,764,000	\$ 1,534,791	\$ 2,487,600	\$ 221,120	\$ 55,280	Facilities Requirements
18	2020	Aircraft Rental Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	Facilities Requirements
19	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	Facilities Requirements
20	2020	Add Full-Time Flight Training	\$ 114,000	\$ 90,000	\$ -	\$ -	\$ 114,000	Facilities Requirements

Total Project Cost at Airport \$22,571,000 \$15,071,239

Project Cost Totals by Contribution		
Federal Contribution	80.6%	\$ 18,182,700
State Contribution	7.2%	\$ 1,616,240
Airport Contribution	12.3%	\$ 2,772,060
Total		\$ 22,571,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 10,346,000	\$ -	\$ 11,121,000	\$ 146,000	\$ -	\$ -	\$ 958,000	\$ -	\$ -	
45.8%	0.0%	49.3%	0.6%	0.0%	0.0%	4.2%	0.0%	0.0%	

Airport Code	PSK
Airport Name	New River Valley
Airport Region	1
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE									
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Project-Specific Contribution Distribution	Source
1	2015	Auto Parking Rehabilitation (Design)	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	No	ACIP
2	2015	CatEx Partial Taxiway & Apron Expansion	\$ 58,000	\$ 56,400	\$ 52,200	\$ 4,640	\$ 1,160	No	ACIP
3	2015	Hangar Site Preparation (Design)	\$ 289,000	\$ 282,000	\$ 260,100	\$ 23,120	\$ 5,780	No	ACIP
4	2015	Partial Parallel Taxiway Runway 24 (Design)	\$ 295,000	\$ 288,000	\$ 265,500	\$ 23,600	\$ 5,900	No	ACIP
5	2015	Terminal Furniture Replacement	\$ 25,000	\$ 24,000	\$ -	\$ 20,000	\$ 5,000	Yes	ACIP
6	2016	Airport Entrance Sign Installation	\$ 13,000	\$ 12,000	\$ 11,700	\$ 1,040	\$ 260	No	ACIP
7	2016	Auto Parking Rehabilitation (Construction)	\$ 253,000	\$ 240,000	\$ 227,700	\$ 20,240	\$ 5,060	No	ACIP
8	2016	Partial Parallel Taxiway Runway 24 (Construction)	\$ 4,042,000	\$ 3,840,000	\$ 3,637,800	\$ 323,360	\$ 80,840	No	ACIP
9	2017	Hangar Site Preparation (Construction)	\$ 405,000	\$ 360,000	\$ 364,500	\$ 32,400	\$ 8,100	No	ACIP
10	2017	Partial Parallel Taxiway 6 (Design)	\$ 244,000	\$ 216,600	\$ 219,600	\$ 19,520	\$ 4,880	No	ACIP
11	2018	Partial Parallel Taxiway Runway 6 (Construction)	\$ 2,000,000	\$ 1,710,000	\$ 1,800,000	\$ 160,000	\$ 40,000	No	ACIP
12	2019	Apron Expansion (Design)	\$ 175,000	\$ 144,000	\$ 157,500	\$ 14,000	\$ 3,500	No	ACIP
13	2020	Apron Expansion (Construction)	\$ 1,488,000	\$ 1,176,000	\$ 1,339,200	\$ 119,040	\$ 29,760	No	ACIP
14	2021	Perimeter Fencing (8,000LF)	\$ 413,000	\$ 313,600	\$ 371,700	\$ 33,040	\$ 8,260	No	ALP/MPU
15	2021	Obstruction Removal	\$ 709,000	\$ 539,000	\$ 638,100	\$ 56,720	\$ 14,180	No	ALP/MPU
16	2022	Relocate and Replace Segmented Circle	\$ 82,000	\$ 60,000	\$ -	\$ 65,600	\$ 16,400	No	ALP/MPU
17	2022	Box Hangars Site Construction (5 Units)	\$ 1,867,000	\$ 1,363,904	\$ 1,680,300	\$ 149,360	\$ 37,340	No	ALP/MPU
18	2022	Box Hangars Building Construction (5 Units)	\$ 958,000	\$ 700,000	\$ -	\$ -	\$ 958,000	Yes	ALP/MPU
19	2023	T-Hangar Site Construction (8 Units)	\$ 3,106,000	\$ 2,182,247	\$ 2,795,400	\$ 248,480	\$ 62,120	No	ALP/MPU
20	2023	T-Hangar Building Construction (8 Units)	\$ 717,000	\$ 504,000	\$ -	\$ -	\$ 717,000	Yes	ALP/MPU
21	2023	PAPI Installation (4L, RW 6)	\$ 130,000	\$ 91,000	\$ 117,000	\$ 10,400	\$ 2,600	No	ALP/MPU
22	2025	T-Hangar Site Construction (10 Units)	\$ 4,199,000	\$ 2,727,808	\$ 3,779,100	\$ 335,920	\$ 83,980	No	ALP/MPU
23	2025	T-Hangar Building Construction (10 Units)	\$ 970,000	\$ 630,000	\$ -	\$ -	\$ 970,000	Yes	ALP/MPU
24	2028	Corporate Hangars Site Construction (2 Units 80' x 80')	\$ 1,749,000	\$ 1,010,198	\$ 1,574,100	\$ 139,920	\$ 34,980	No	ALP/MPU
25	2028	Corporate Hangars Building Construction (2 Units 80' x 80')	\$ 485,000	\$ 280,000	\$ -	\$ -	\$ 485,000	Yes	ALP/MPU
26	2032	Conventional Hangars Site Construction (4 Units 60' x 60')	\$ 2,947,000	\$ 1,454,831	\$ 2,652,300	\$ 235,760	\$ 58,940	No	ALP/MPU
27	2032	Conventional Hangars Building Construcion (4 Units 60' x 60')	\$ 1,134,000	\$ 560,000	\$ -	\$ -	\$ 1,134,000	Yes	ALP/MPU
28	2024	Add Full-Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	Yes	ALP/MPU
29	2020	24/7 Fuel & Card Reader	\$ 44,000	\$ 35,000	\$ 39,600	\$ 3,520	\$ 880	No	ALP/MPU
30	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	Yes	ALP/MPU
31	2020	Add Full-Time Flight Training	\$ 114,000	\$ 90,000	\$ -	\$ -	\$ 114,000	Yes	ALP/MPU
32	2025	Taxiway Pavement Rehab	\$ 727,000	\$ 472,500	\$ 654,300	\$ 58,160	\$ 14,540	No	ALP/MPU

Project Cost Totals by Contribution		
Federal Contribution	69.0%	\$ 22,693,500
State Contribution	6.4%	\$ 2,102,800
Airport Contribution	24.6%	\$ 8,088,700
Total		\$ 32,885,000

Total Project Cost at Airport	\$32,885,000	\$23,583,089
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Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 9,680,000	\$ 130,000	\$ 22,169,000	\$ 328,000	\$ 82,000	\$ 58,000	\$ 413,000	\$ 25,000	\$ -	
29.4%	0.4%	67.4%	1.0%	0.2%	0.2%	1.3%	0.1%	0.0%	

Airport Code	SFQ
Airport Name	Suffolk Executive
Airport Region	7
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Obstruction Removal - Silviculture (Construction)	\$ 492,000	\$ 480,000	\$ 442,800	\$ 39,360	\$ 9,840	ACIP
2	2015	Parallel Taxiway & Localizer Relocation (Construction)	\$ 2,462,000	\$ 2,400,000	\$ 2,215,800	\$ 196,960	\$ 49,240	ACIP
3	2015	Runway 4-22 Rehabilitation (Environmental)	\$ 25,000	\$ 24,000	\$ 22,500	\$ 2,000	\$ 500	ACIP
4	2015	Taxiway "A" Rehabilitation (Construction)	\$ 369,000	\$ 360,000	\$ 332,100	\$ 29,520	\$ 7,380	ACIP
5	2015	Taxiway "A" Rehabilitation (Design)	\$ 123,000	\$ 120,000	\$ 110,700	\$ 9,840	\$ 2,460	ACIP
6	2015	Terminal Auto Parking Rehabilitation (Design)	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
7	2015	Terminal Building Covered Drop Off (Design & Construction)	\$ 80,000	\$ 78,000	\$ -	\$ 41,600	\$ 38,400	ACIP
8	2015	T-Hangar "G" Site Preparation (Construction)	\$ 579,000	\$ 564,000	\$ 521,100	\$ 46,320	\$ 11,580	ACIP
9	2016	Maintenance Equipment Storage Building (Construction)	\$ 134,000	\$ 127,530	\$ -	\$ 107,200	\$ 26,800	ACIP
10	2016	Runway 4-22 Rehabilitation (Design)	\$ 947,000	\$ 900,000	\$ 852,300	\$ 75,760	\$ 18,940	ACIP
11	2016	Terminal Auto Parking Rehabilitation (Construction)	\$ 505,000	\$ 480,000	\$ 454,500	\$ 40,400	\$ 10,100	ACIP
12	2016	T-Hangar "H" Site Preparation (Design)	\$ 44,000	\$ 42,000	\$ 39,600	\$ 3,520	\$ 880	ACIP
13	2017	Runway 4-22 Rehabilitation (Construction)	\$ 6,749,000	\$ 6,000,000	\$ 6,074,100	\$ 539,920	\$ 134,980	ACIP
14	2017	T-Hangar "H" Site Preparation (Construction)	\$ 675,000	\$ 600,000	\$ 607,500	\$ 54,000	\$ 13,500	ACIP
15	2018	Master Plan Update	\$ 351,000	\$ 300,000	\$ 315,900	\$ 28,080	\$ 7,020	ACIP
16	2018	Terminal Building Expansion Study	\$ 56,000	\$ 48,000	\$ -	\$ 44,800	\$ 11,200	ACIP
17	2019	Terminal Building Expansion (Design)	\$ 117,000	\$ 96,000	\$ -	\$ 93,600	\$ 23,400	ACIP
18	2020	Terminal Building Expansion (Construction)	\$ 456,000	\$ 360,000	\$ -	\$ 237,120	\$ 218,880	ACIP
19	2020	Runway 4-22 Extension (500' x 100')	\$ 2,070,000	\$ 1,635,659	\$ 1,863,000	\$ 165,600	\$ 41,400	MPU
20	2020	T-Hangar Site Construction (10 Units)	\$ 3,966,000	\$ 3,134,208	\$ 3,569,400	\$ 317,280	\$ 79,320	MPU
21	2020	T-Hangar Building Construction (10 Units)	\$ 797,000	\$ 630,000	\$ -	\$ -	\$ 797,000	MPU
22	2020	Corporate Hangar Site Construction (2 Units 80' x 80')	\$ 1,469,000	\$ 1,160,702	\$ 1,322,100	\$ 117,520	\$ 29,380	MPU
23	2020	Corporate Hangar Building Construction (2 Units 80' x 80')	\$ 354,000	\$ 280,000	\$ -	\$ -	\$ 354,000	MPU
25	TBD	Install Fuel Tank - 12,000 Gal	\$ 221,000	\$ 175,000	\$ 198,900	\$ 17,680	\$ 4,420	MPU
26	TBD	Corporate Hangar Site Construction (7 Units 60' x 60')	\$ 4,330,000	\$ 2,925,261	\$ 3,897,000	\$ 346,400	\$ 86,600	MPU
27	TBD	Corporate Hangar Building Construction (7 Units 60' x 60')	\$ 414,000	\$ 280,000	\$ -	\$ -	\$ 414,000	MPU
28	TBD	Fuel Improvements (Card Reader (Jet A))	\$ 52,000	\$ 35,000	\$ 46,800	\$ 4,160	\$ 1,040	Facilities Requirements
29	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
30	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
31	TBD	Add Full Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
32	TBD	Pavement Improvements (Taxilane & Apron)	\$ 5,492,000	\$ 3,710,000	\$ 4,942,800	\$ 439,360	\$ 109,840	Facilities Requirements
Total Project Cost at Airport			\$33,968,000	\$27,425,359				

Project Cost Totals by Contribution		
Federal Contribution	82.8%	\$ 28,124,100
State Contribution	8.9%	\$ 3,024,240
Airport Contribution	8.3%	\$ 2,819,660
Total		\$ 33,968,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 19,002,000	\$ -	\$ 13,073,000	\$ 833,000	\$ -	\$ 351,000	\$ -	\$ 709,000	\$ -	
55.9%	0.0%	38.5%	2.5%	0.0%	1.0%	0.0%	2.1%	0.0%	

Airport Code	XSA
Airport Name	Tappahannock-Essex County
Airport Region	4
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2014	Hangars (FAA Multi-year project, year 2 of 2)	\$ 180,000	\$ 180,000	\$ 180,000	\$ -	\$ -	ACIP
2	2016	Construct Taxiway EA - Re-evaluation and Cult Resources Phase I and II	\$ 211,000	\$ 200,000	\$ 189,900	\$ 16,880	\$ 4,220	ACIP
3	2018	Construction Parallel Taxiway - Design	\$ 429,000	\$ 366,666	\$ 386,100	\$ 34,320	\$ 8,580	ACIP
4	2019	Land Acquisition - Parcel 8	\$ 3,096,000	\$ 2,544,983	\$ 2,786,400	\$ 247,680	\$ 61,920	ACIP
5	TBD	Runway Extension (700' x 75')	\$ 1,562,000	\$ 1,283,825	\$ 1,405,800	\$ 124,960	\$ 31,240	Facilities Requirements
6	TBD	Construct Parallel Taxiway - Construction	\$ 3,489,000	\$ 2,757,065	\$ 3,140,100	\$ 279,120	\$ 69,780	Sponsor Input
7	TBD	T-Hangar Site Construction (20 Units)	\$ 6,959,000	\$ 4,701,312	\$ 6,263,100	\$ 556,720	\$ 139,180	ALP
8	TBD	T-Hangar Building Construction (20 Units)	\$ 1,865,000	\$ 1,260,000	\$ -	\$ -	\$ 1,865,000	ALP
9	TBD	Taxiway Lighting Improvements (MITL)	\$ 124,000	\$ 84,000	\$ 111,600	\$ 9,920	\$ 2,480	ALP
10	TBD	Airport NAV Aids Improvements (Localizer)	\$ 207,000	\$ 140,000	\$ 186,300	\$ 16,560	\$ 4,140	ALP
11	TBD	Primary Runway Strength Improvements (17,500lbs)	\$ 2,072,000	\$ 1,400,011	\$ 1,864,800	\$ 165,760	\$ 41,440	Facilities Requirements
12	TBD	Communications Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
13	TBD	Corporate Hangar Site Construction (18 Units 60' x 60')	\$ 8,351,000	\$ 5,641,574	\$ 7,515,900	\$ 668,080	\$ 167,020	Facilities Requirements
14	TBD	Corporate Hangar Building Construction (18 Units 60' x 60')	\$ 3,730,000	\$ 2,520,000	\$ -	\$ -	\$ 3,730,000	Facilities Requirements
15	TBD	Terminal Building Expansion (1863 SF)	\$ 1,158,000	\$ 782,460	\$ -	\$ 602,160	\$ 555,840	Facilities Requirements
16	TBD	Auto Parking Expansion (35 Spaces)	\$ 189,000	\$ 127,400	\$ 170,100	\$ 15,120	\$ 3,780	Facilities Requirements
17	TBD	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
18	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
19	TBD	Add Full-Time Flight Training Sevices	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
20	TBD	RPZ Land Acquisition (0.3 Acres Fee Simple)	\$ 6,000	\$ 3,900	\$ 5,400	\$ 480	\$ 120	Facilities Requirements

Total Project Cost at Airport	\$34,063,000	\$24,287,196
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Project Cost Totals by Contribution		
Federal Contribution	71.1%	\$ 24,205,500
State Contribution	8.3%	\$ 2,836,960
Airport Contribution	20.6%	\$ 7,020,540
Total		\$ 34,063,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 10,778,000	\$ 331,000	\$ 21,396,000	\$ 189,000	\$ -	\$ 211,000	\$ -	\$ 1,158,000	\$ -
31.6%	1.0%	62.8%	0.6%	0.0%	0.6%	0.0%	3.4%	0.0%

Airport Code	JFZ
Airport Name	Tazewell County
Airport Region	1
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Obstruction Removal (Easement Services)	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
2	2015	Runway Turnaround Expansions (7 & 25) (Environmental Assessment)	\$ 185,000	\$ 180,000	\$ 166,500	\$ 14,800	\$ 3,700	ACIP
3	2015	Sink Hole Repair (Construction)	\$ 308,000	\$ 300,000	\$ 277,200	\$ 24,640	\$ 6,160	ACIP
4	2016	Obstruction Removal (Easement Services & Acquisition)	\$ 351,000	\$ 333,333	\$ 315,900	\$ 28,080	\$ 7,020	ACIP
5	2016	Runway Turnaround Expansions (7 & 25) (Design)	\$ 56,000	\$ 53,333	\$ 50,400	\$ 4,480	\$ 1,120	ACIP
6	2017	Obstruction Removal (Design)	\$ 75,000	\$ 66,667	\$ 67,500	\$ 6,000	\$ 1,500	ACIP
7	2017	Runway Turnaround Expansions (7 & 25) (Construction)	\$ 225,000	\$ 200,000	\$ 202,500	\$ 18,000	\$ 4,500	ACIP
8	2018	Obstruction Removal (Construction)	\$ 780,000	\$ 666,667	\$ 702,000	\$ 62,400	\$ 15,600	ACIP
9	2018	Security Fencing (Design)	\$ 56,000	\$ 48,133	\$ 50,400	\$ 4,480	\$ 1,120	ACIP
10	2019	Security Fencing (Construction)	\$ 277,000	\$ 228,000	\$ 249,300	\$ 22,160	\$ 5,540	ACIP
11	2020	24/7 Fuel and Card Reader	\$ 44,000	\$ 35,000	\$ 39,600	\$ 3,520	\$ 880	Facilities Requirements
12	2020	Add Terminal Public Phone	\$ 9,000	\$ 7,000	\$ -	\$ -	\$ 9,000	Facilities Requirements
13	2021	Runway Overlay & Strengthening	\$ 4,951,000	\$ 3,762,465	\$ 4,455,900	\$ 396,080	\$ 99,020	Facilities Requirements
14	2022	Apron Overlay	\$ 2,395,000	\$ 1,750,000	\$ 2,155,500	\$ 191,600	\$ 47,900	Facilities Requirements
15	2023	Relocate AWOS & Beacon	\$ 349,000	\$ 245,000	\$ 314,100	\$ 27,920	\$ 6,980	ALP/MPU
16	2024	Apron Expansion - Phase 1	\$ 3,732,000	\$ 2,521,010	\$ 3,358,800	\$ 298,560	\$ 74,640	ALP/MPU
17	2025	Helicopter Pads (2)	\$ 191,000	\$ 124,370	\$ 171,900	\$ 15,280	\$ 3,820	ALP/MPU
18	2024	T-Hangar #2 Site Construction (10 Units)	\$ 4,038,000	\$ 2,727,808	\$ 3,634,200	\$ 323,040	\$ 80,760	ALP/MPU
19	2026	T-Hangar #2 Building Construction (10 Units)	\$ 1,009,000	\$ 630,000	\$ -	\$ -	\$ 1,009,000	ALP/MPU
20	2027	Apron Expansion - Phase 2	\$ 1,360,000	\$ 896,359	\$ 1,224,000	\$ 108,800	\$ 27,200	ALP/MPU
21	2028	Corporate Hangar #3 Site Construction (1 Unit 50' x 60')	\$ 583,000	\$ 336,430	\$ 524,700	\$ 46,640	\$ 11,660	ALP/MPU
22	2028	Corporate Hangar #3 Building Construction (1 Unit 50' x 60')	\$ 242,000	\$ 140,000	\$ -	\$ -	\$ 242,000	ALP/MPU
23	2030	Full Parallel Taxiway	\$ 8,394,000	\$ 4,481,795	\$ 7,554,600	\$ 671,520	\$ 167,880	Facilities Requirements
24	2031	Acquire Avigation Easement for RW Extension (9AC)	\$ 2,532,000	\$ 1,300,000	\$ 2,278,800	\$ 202,560	\$ 50,640	ALP/MPU
25	2032	Runway Extension (700')	\$ 2,877,000	\$ 1,420,076	\$ 2,589,300	\$ 230,160	\$ 57,540	ALP/MPU
26	2034	Land Acquisition for T-Hangars	\$ 2,848,000	\$ 1,300,000	\$ 2,563,200	\$ 227,840	\$ 56,960	ALP/MPU
27	2036	T-Hangar #3 Site Construction (12 Units)	\$ 7,758,000	\$ 3,273,370	\$ 6,982,200	\$ 620,640	\$ 155,160	ALP/MPU
28	2036	T-Hangar #3 Building Construction (12 Units)	\$ 1,792,000	\$ 756,000	\$ -	\$ -	\$ 1,792,000	ALP/MPU
29	2038	T-Hangar #4 Site Construction (20 Units)	\$ 13,984,000	\$ 5,455,617	\$ 12,585,600	\$ 1,118,720	\$ 279,680	ALP/MPU
30	2038	T-Hangar #4 Building Construction (20 Units)	\$ 3,230,000	\$ 1,260,000	\$ -	\$ -	\$ 3,230,000	ALP/MPU
31	2040	T-Hangar #5 Site Construction (8 Units)	\$ 6,050,000	\$ 2,182,247	\$ 5,445,000	\$ 484,000	\$ 121,000	ALP/MPU
32	2040	T-Hangar #5 Building Construction (8 Units)	\$ 1,397,000	\$ 504,000	\$ -	\$ -	\$ 1,397,000	ALP/MPU
33	2024	Add Full-Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	ALP/MPU
34	2020	Offer Aircraft Maintenance	\$ 152,000	\$ 120,000	\$ -	\$ -	\$ 152,000	ALP/MPU
35	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	ALP/MPU
36	2024	Add Full-Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	ALP/MPU

Total Project Cost at Airport	\$75,610,000	\$39,614,679
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Project Cost Totals by Contribution		
Federal Contribution	76.7%	\$ 58,014,900
State Contribution	6.8%	\$ 5,156,880
Airport Contribution	16.5%	\$ 12,438,220
Total		\$ 75,610,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 28,399,000	\$ 349,000	\$ 46,454,000	\$ 75,000	\$ -	\$ -	\$ 333,000	\$ -	\$ -	
37.6%	0.5%	61.4%	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	

Airport Code	VJI
Airport Name	Virginia Highlands
Airport Region	1
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Extend Runway 6-24 - Relocate SR 611 (Design)	\$ 739,000	\$ 720,000	\$ 665,100	\$ 59,120	\$ 14,780	ACIP
2	2015	Extend Runway 6-24 - Runway Extension (Design)	\$ 1,231,000	\$ 1,200,000	\$ 1,107,900	\$ 98,480	\$ 24,620	ACIP
3	2015	Extend Runway 6-24 - Relocate SR 611 (Construction)	\$ 3,694,000	\$ 3,600,000	\$ 3,324,600	\$ 295,520	\$ 73,880	ACIP
4	2016	Extend Runway 6-24 - Land Acquisition (Easements)	\$ 1,263,000	\$ 1,200,000	\$ 1,136,700	\$ 101,040	\$ 25,260	ACIP
5	2016	Extend Runway 6-24 - Wetland Stream Mitigation	\$ 1,390,000	\$ 1,320,000	\$ 1,251,000	\$ 111,200	\$ 27,800	ACIP
6	2017	Extend Runway 6-24 - Runway Extension (Construction)	\$ 6,344,000	\$ 5,640,000	\$ 5,709,600	\$ 507,520	\$ 126,880	ACIP
7	2018	Extend Runway 6-24 - Runway Extension (Construction)	\$ 6,598,000	\$ 5,640,000	\$ 5,938,200	\$ 527,840	\$ 131,960	ACIP
8	2019	Extend Runway 6-24 - Runway Extension (Construction)	\$ 6,862,000	\$ 5,640,000	\$ 6,175,800	\$ 548,960	\$ 137,240	ACIP
9	2020	Extend Runway 6-24 - Land Acquisition	\$ 2,863,000	\$ 2,262,600	\$ 2,576,700	\$ 229,040	\$ 57,260	ACIP
10	2021	T-Hangar (Facility #20) Site Construction (15 Units)	\$ 5,384,000	\$ 4,091,713	\$ 4,845,600	\$ 430,720	\$ 107,680	ALP
11	2021	T-Hangar (Facility #20) Building Construction (15 Units)	\$ 1,244,000	\$ 945,000	\$ -	\$ -	\$ 1,244,000	ALP
12	2022	Corporate Hangar (Facility #16) Site Construction (1 Unit 150' x 150')	\$ 1,804,000	\$ 1,318,441	\$ 1,623,600	\$ 144,320	\$ 36,080	ALP
13	2022	Corporate Hangar (Facility #16) Building Construction (1 Unit 150' x 150')	\$ 192,000	\$ 140,000	\$ -	\$ -	\$ 192,000	ALP
14	2023	Runway Rehabilitation/Strengthen Pavement	\$ 3,712,000	\$ 2,608,083	\$ 3,340,800	\$ 296,960	\$ 74,240	ALP & Facilities Requirements
15	2025	Extend Parallel Taxiway	\$ 3,986,000	\$ 2,589,533	\$ 3,587,400	\$ 318,880	\$ 79,720	ALP
16	2026	T-Hangar (Facility #18) Site Construction (15 Units)	\$ 6,551,000	\$ 4,091,713	\$ 5,895,900	\$ 524,080	\$ 131,020	ALP
17	2026	T-Hangar (Facility #18) Building Construction (15 Units)	\$ 1,513,000	\$ 945,000	\$ -	\$ -	\$ 1,513,000	ALP
18	2026	Apron Expansion	\$ 8,371,000	\$ 5,228,761	\$ 7,533,900	\$ 669,680	\$ 167,420	ALP
19	2026	Corporate Hangars (Facility #22 and #23) Site Construction (2 Units 150' x 150')	\$ 4,222,000	\$ 2,636,881	\$ 3,799,800	\$ 337,760	\$ 84,440	ALP
20	2026	Corporate Hangars (Facility #22 and #23) Building Construction (2 Units 150' x 150')	\$ 448,000	\$ 280,000	\$ -	\$ -	\$ 448,000	ALP
21	2028	Storage/Maintenance Hangar (Facility #24) Site Construction (1 Unit 150' x 150')	\$ 2,283,000	\$ 1,318,441	\$ 2,054,700	\$ 182,640	\$ 45,660	ALP
22	2028	Storage/Maintenance Hangar (Facility #24) Building Construction (1 Unit 150' x 150')	\$ 1,576,000	\$ 910,000	\$ -	\$ -	\$ 1,576,000	ALP
23	2020	Add GCO	\$ 106,000	\$ 84,000	\$ -	\$ 84,800	\$ 21,200	Facilities Requirements
24	2024	Add Full Service FBO	\$ 3,109,000	\$ 2,100,000	\$ -	\$ -	\$ 3,109,000	Facilities Requirements
25	2020	24/7 Fuel and Card Reader	\$ 44,000	\$ 35,000	\$ 39,600	\$ 3,520	\$ 880	Facilities Requirements
26	2020	Offer Aircraft Maintenance	\$ 152,000	\$ 120,000	\$ -	\$ -	\$ 152,000	Facilities Requirements
27	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	Facilities Requirements
28	2020	Add Full-Time Flight Training	\$ 114,000	\$ 90,000	\$ -	\$ -	\$ 114,000	Facilities Requirements
29	2026	Terminal Apron Pavement Rehabilitation	\$ 697,000	\$ 435,556	\$ 627,300	\$ 55,760	\$ 13,940	Facilities Requirements
30	2031	New Terminal Apron	\$ 8,002,000	\$ 4,108,237	\$ 7,201,800	\$ 640,160	\$ 160,040	ALP
31	2031	New GA Terminal Building	\$ 29,452,000	\$ 15,120,000	\$ -	\$ 15,315,040	\$ 14,136,960	ALP
32	2031	Corporate Hangars Site Construction (3 Units at 60' x 60')	\$ 2,125,000	\$ 1,091,123	\$ 1,912,500	\$ 170,000	\$ 42,500	ALP
33	2031	Corporate Hangars Building Construction (3 Units at 60' x 60')	\$ 818,000	\$ 420,000	\$ -	\$ -	\$ 818,000	ALP
34	2033	T-Hangars Site Construction (45 Units)	\$ 25,862,000	\$ 12,275,138	\$ 23,275,800	\$ 2,068,960	\$ 517,240	ALP
35	2033	T-Hangars Building Construction (45 Units)	\$ 5,120,000	\$ 2,430,000	\$ -	\$ -	\$ 5,120,000	ALP
Total Project Cost at Airport			\$147,947,000	\$92,695,219				

Project Cost Totals by Contribution		
Federal Contribution	63.3%	\$ 93,624,300
State Contribution	16.0%	\$ 23,722,000
Airport Contribution	20.7%	\$ 30,600,700
Total		\$ 147,947,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 55,752,000	\$ 106,000	\$ 62,637,000	\$ -	\$ -	\$ -	\$ -	\$ 29,452,000	\$ -
37.7%	0.1%	42.3%	0.0%	0.0%	0.0%	0.0%	19.9%	0.0%

Airport Code	W78
Airport Name	William M. Tuck
Airport Region	5
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Apron Expansion and Fuel Farm Relocation (Construction)	\$ 281,000	\$ 274,000	\$ 252,900	\$ 22,480	\$ 5,620	ACIP
2	2015	Taxiway Lighting System and Supplemental Wind Sock (Design)	\$ 49,000	\$ 48,000	\$ 44,100	\$ 3,920	\$ 980	ACIP
3	2016	Taxiway Lighting System and Supplemental Wind Sock (Construction)	\$ 320,000	\$ 304,000	\$ 288,000	\$ 25,600	\$ 6,400	ACIP
4	2017	Security/Wildlife Fencing (Design)	\$ 54,000	\$ 48,000	\$ 48,600	\$ 4,320	\$ 1,080	ACIP
5	2018	Security/Wildlife Fencing (Construction)	\$ 468,000	\$ 400,000	\$ 421,200	\$ 37,440	\$ 9,360	ACIP
6	2019	Fuel Farm Expansion - Jet A (Design)	\$ 51,000	\$ 42,000	\$ 45,900	\$ 4,080	\$ 1,020	ACIP
7	2020	Fuel Farm Expansion - Jet A (Construction)	\$ 453,000	\$ 358,000	\$ 407,700	\$ 36,240	\$ 9,060	ACIP
8	2020	Easement Acquisition & Clearing - East #2 (21 Acres)	\$ 158,000	\$ 124,600	\$ 142,200	\$ 12,640	\$ 3,160	MPU
9	2020	ODALS	\$ 434,000	\$ 343,000	\$ 390,600	\$ 34,720	\$ 8,680	MPU
10	2022	Runway Extension (989' x 75')	\$ 2,510,000	\$ 1,833,919	\$ 2,259,000	\$ 200,800	\$ 50,200	MPU
11	TBD	T-Hangar Site Construction (50 Units)	\$ 17,530,000	\$ 11,842,320	\$ 15,777,000	\$ 1,402,400	\$ 350,600	ALP
12	TBD	T-Hangar Building Construction (50 Units)	\$ 4,663,000	\$ 3,150,000	\$ -	\$ -	\$ 4,663,000	ALP
13	TBD	Corporate Hangar Site Construction (3 Units 100' x 100')	\$ 2,649,000	\$ 1,789,375	\$ 2,384,100	\$ 211,920	\$ 52,980	ALP
14	TBD	Corporate Hangar Building Construction (3 Units 100' x 100')	\$ 622,000	\$ 420,000	\$ -	\$ -	\$ 622,000	ALP
15	TBD	Executive Hangar Site Construction (6 Units 60' x 60')	\$ 2,805,000	\$ 1,894,771	\$ 2,524,500	\$ 224,400	\$ 56,100	ALP
16	TBD	Executive Hangar Building Construction (6 Units 60' x 60')	\$ 1,243,000	\$ 840,000	\$ -	\$ -	\$ 1,243,000	ALP
17	TBD	Primary Runway Strength Improvements (17,500 lbs)	\$ 2,072,000	\$ 1,400,011	\$ 1,864,800	\$ 165,760	\$ 41,440	Facilities Requirements
18	TBD	Instrumentation Improvements (REILs - RW 19)	\$ 104,000	\$ 70,000	\$ 93,600	\$ 8,320	\$ 2,080	Facilities Requirements
19	TBD	Communication Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
20	TBD	Corporate Hangar Site Construction (35 Units 60' x 60')	\$ 16,361,000	\$ 11,052,832	\$ 14,724,900	\$ 1,308,880	\$ 327,220	Facilities Requirements
21	TBD	Corporate Hangar Building Construction (35 Units 60' x 60')	\$ 7,253,000	\$ 4,900,000	\$ -	\$ -	\$ 7,253,000	Facilities Requirements
22	TBD	Apron Expansion (8,749 SY)	\$ 2,628,000	\$ 1,775,680	\$ 2,365,200	\$ 210,240	\$ 52,560	Facilities Requirements
23	TBD	Terminal Building Improvements (2124 SF)	\$ 1,320,000	\$ 892,080	\$ -	\$ 686,400	\$ 633,600	Facilities Requirements
24	TBD	Fuel Improvements (Jet A, 24/7 and Card Reader)	\$ 104,000	\$ 70,000	\$ 93,600	\$ 8,320	\$ 2,080	Facilities Requirements
25	TBD	Offer Aircraft Maintenance	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements
26	TBD	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
27	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
28	TBD	Add Full Time Flight Training	\$ 133,000	\$ 90,000	\$ -	\$ -	\$ 133,000	Facilities Requirements
29	TBD	Terminal/Pilot Service Improvements (Flight Planning)	\$ 52,000	\$ 35,000	\$ -	\$ 27,040	\$ 24,960	Facilities Requirements
30	TBD	Pavement Rehab (Taxilane)	\$ 1,554,000	\$ 1,050,000	\$ 1,398,600	\$ 124,320	\$ 31,080	Facilities Requirements
31	TBD	RPZ Land Acquisition (9.6 Acres Fee Simple)	\$ 185,000	\$ 124,800	\$ 166,500	\$ 14,800	\$ 3,700	Facilities Requirements

Total Project Cost at Airport	\$66,376,000	\$45,388,386
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Project Cost Totals by Contribution		
Federal Contribution	68.8%	\$ 45,693,000
State Contribution	7.3%	\$ 4,874,240
Airport Contribution	23.8%	\$ 15,808,760
Total		\$ 66,376,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 10,365,000	\$ 662,000	\$ 53,455,000	\$ -	\$ -	\$ -	\$ 522,000	\$ 1,372,000	\$ -	
15.6%	1.0%	\$ -	0.0%	0.0%	0.0%	0.8%	2.1%	0.0%	

Airport Code	OKV
Airport Name	Winchester Regional
Airport Region	3
Airport Category	Regional
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	LA - Parcels 64-A-69, 64-A-70 & 64-A-71 -Prelim & Acquire	\$ 955,000	\$ 931,001	\$ 859,500	\$ 76,400	\$ 19,100	ACIP
2	2015	New Terminal - Study (DD)	\$ 62,000	\$ 60,000	\$ -	\$ 49,600	\$ 12,400	ACIP
3	2015	North Side Connector (DD)	\$ 369,000	\$ 360,000	\$ 332,100	\$ 29,520	\$ 7,380	ACIP
4	2016	Acquire Parcel 64B-A-33A	\$ 421,000	\$ 400,001	\$ 378,900	\$ 33,680	\$ 8,420	ACIP
5	2016	LA - Parcels 64-A-66 & 64-A-67 - Prelim & Acquire	\$ 713,000	\$ 677,666	\$ 641,700	\$ 57,040	\$ 14,260	ACIP
6	2016	North Side Connector (Bid & CO)	\$ 1,579,000	\$ 1,500,000	\$ 1,421,100	\$ 126,320	\$ 31,580	ACIP
7	2017	LA - Parcels 64-A-63, 64-A-64, & 64-A-60 - Prelim & Acquire	\$ 762,000	\$ 677,666	\$ 685,800	\$ 60,960	\$ 15,240	ACIP
8	2017	New Terminal - Building (DD)	\$ 337,000	\$ 300,000	\$ -	\$ 175,240	\$ 161,760	ACIP
9	2017	New Terminal - Site (DD)	\$ 108,000	\$ 96,000	\$ -	\$ 86,400	\$ 21,600	ACIP
10	2017	Relocate TW A, Phase 2/3/4 (DD)	\$ 715,000	\$ 636,000	\$ 643,500	\$ 57,200	\$ 14,300	ACIP
11	2018	LA - Parcels 64-A-59 & 64B-A-52 - Prelim & Acquire	\$ 129,000	\$ 110,400	\$ 116,100	\$ 10,320	\$ 2,580	ACIP
12	2018	New Terminal - Building (CO)	\$ 2,808,000	\$ 2,400,000	\$ -	\$ 1,460,160	\$ 1,347,840	ACIP
13	2018	New Terminal - Furniture Plan (Private)	\$ 42,000	\$ 36,000	\$ -	\$ -	\$ 42,000	ACIP
14	2018	New Terminal - Furniture Plan (Public)	\$ 70,000	\$ 60,000	\$ -	\$ -	\$ 70,000	ACIP
15	2018	New Terminal - Site (CO)	\$ 842,000	\$ 720,000	\$ -	\$ 673,600	\$ 168,400	ACIP
16	2019	LA - Parcels 64B-A-47, 64B-A-49, & 64B-A-50 - Prelim & Acquire	\$ 165,000	\$ 135,600	\$ 148,500	\$ 13,200	\$ 3,300	ACIP
17	2019	Relocate TW A, Phase II (CO)	\$ 6,935,000	\$ 5,700,000	\$ 6,241,500	\$ 554,800	\$ 138,700	ACIP
18	2020	Relocate TW A, Phase III and IV (CO)	\$ 3,530,000	\$ 2,790,000	\$ 3,177,000	\$ 282,400	\$ 70,600	ACIP
19	2022	Construct Corporate Hangars W/Auto Parking - Phase IV	\$ 8,814,000	\$ 6,440,000	\$ -	\$ -	\$ 8,814,000	MPU
20	2022	Construct Corporate Hangars W/Auto Parking - Phase V	\$ 8,814,000	\$ 6,440,000	\$ -	\$ -	\$ 8,814,000	MPU
21	2022	Construct Taxiway F - Phase II and Corporate Hangars W/Auto Parking - Phase VI	\$ 11,113,000	\$ 8,120,000	\$ -	\$ -	\$ 11,113,000	MPU
22	2022	Construct North Side Hold Apron	\$ 479,000	\$ 350,000	\$ 431,100	\$ 38,320	\$ 9,580	MPU
23	2022	Construct Taxiway D and Corporate Hangars W/Auto Parking - Phase VII	\$ 18,010,000	\$ 13,160,000	\$ -	\$ -	\$ 18,010,000	MPU
24	2022	Construct Corporate Hangars W/Auto Parking - Phase VIII	\$ 14,370,000	\$ 10,500,000	\$ -	\$ -	\$ 14,370,000	MPU
25	2022	Construct Corporate Hangars W/Auto Parking - Phase IX	\$ 14,753,000	\$ 10,780,000	\$ -	\$ -	\$ 14,753,000	MPU
26	2022	Construct Taxiway F - Phase III	\$ 6,131,000	\$ 4,480,000	\$ 5,517,900	\$ 490,480	\$ 122,620	MPU
27	2022	Construct Corporate Hangars W/Auto Parking - Phase X	\$ 15,520,000	\$ 11,340,000	\$ -	\$ -	\$ 15,520,000	MPU
28	2022	Construct Corporate Hangars W/Auto Parking - Phase XI	\$ 16,861,000	\$ 12,320,000	\$ -	\$ -	\$ 16,861,000	MPU
29	2022	Construct Taxiway F - Phase IV	\$ 6,514,000	\$ 4,760,000	\$ 5,862,600	\$ 521,120	\$ 130,280	MPU
30	2022	Environmental Assesment	\$ 575,000	\$ 420,000	\$ 517,500	\$ 46,000	\$ 11,500	MPU
31	2022	Master Plan Update	\$ 575,000	\$ 420,000	\$ 517,500	\$ 46,000	\$ 11,500	MPU
32	TBD	T-Hangar Site Construction (31)	\$ 10,684,000	\$ 7,217,767	\$ 9,615,600	\$ 854,720	\$ 213,680	Facilities Requirements
33	TBD	T-Hangar Building Construction (31)	\$ 2,891,000	\$ 1,953,000	\$ -	\$ -	\$ 2,891,000	Facilities Requirements
34	TBD	Apron Area Expansion (58,480 SY)	\$ 17,437,000	\$ 11,779,743	\$ 15,693,300	\$ 1,394,960	\$ 348,740	Facilities Requirements
35	TBD	Auto Parking Expansion (79 Spaces)	\$ 426,000	\$ 287,560	\$ 383,400	\$ 34,080	\$ 8,520	Facilities Requirements
36	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
37	TBD	Pavement Improvements (Apron)	\$ 24,203,000	\$ 16,350,740	\$ 21,782,700	\$ 1,936,240	\$ 484,060	Facilities Requirements

Project Cost Totals by Contribution		
Federal Contribution	37.7%	\$ 74,967,300
State Contribution	4.6%	\$ 9,108,760
Airport Contribution	57.7%	\$ 114,724,940
Total		\$ 198,801,000

Total Project Cost at Airport \$198,801,000 \$144,769,145

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 100,160,000	\$ -	\$ 92,796,000	\$ 426,000	\$ -	\$ 1,150,000	\$ -	\$ 4,269,000	\$ -	
50.4%	0.0%	46.7%	0.2%	0.0%	0.6%	0.0%	2.1%	0.0%	

Development Costs for General Aviation Community Airports

Airport Code	BKT
Airport Name	Blackstone AAF
Airport Region	5
Airport Category	Community
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal (Special DOD Funds)	State	Airport	Source
1	TBD	Corporate Hangar Site Construction (6 Units 60' x 60')	\$ 3,010,000	\$ 2,033,304	\$ -	\$ 2,408,000	\$ 602,000	ALP
2	TBD	Corporate Hangar Building Construction (6 Units 60' x 60')	\$ 1,243,000	\$ 840,000	\$ -	\$ -	\$ 1,243,000	ALP
3	TBD	Apron Expansion (30,000 SY)	\$ 9,013,000	\$ 6,088,740	\$ -	\$ 7,210,400	\$ 1,802,600	ALP
4	TBD	Instrument Improvements (REILs & PAPI - RW 6 & RW 22)	\$ 414,000	\$ 280,000	\$ 414,000	\$ -	\$ -	Facilities Requirements
6	TBD	Communication Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
7	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
8	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
9	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
10	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
11	TBD	Offer Courtesy Car	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements
12	TBD	Utility Improvements (WiFi)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
13	TBD	Pavement Rehab (Taxiway, Apron, & Taxilane) - DOD Outside Town Limits	\$ 7,518,000	\$ 5,079,200	\$ 7,518,000	\$ -	\$ -	Facilities Requirements
14	TBD	Pavement Rehab (Taxiway, Apron, & Taxilane) - Inside Town Limits	\$ 985,000	\$ 665,420	\$ -	\$ 788,000	\$ 197,000	Facilities Requirements
15	TBD	RPZ Land Acquisition (2.3 Acres Fee Simple)	\$ 44,000	\$ 29,900	\$ -	\$ 35,200	\$ 8,800	Facilities Requirements
16	TBD	Master Plan and ALP Update	\$ 799,000	\$ 540,000	\$ -	\$ 639,200	\$ 159,800	Facilities Requirements

Total Project Cost at Airport	\$26,139,000	\$17,659,564
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Project Cost Totals by Contribution		
Federal Contribution	30.3%	\$ 7,932,000
State Contribution	42.8%	\$ 11,180,000
Airport Contribution	26.9%	\$ 7,027,000
Total		\$ 26,139,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 17,974,000	\$ 124,000	\$ 7,224,000	\$ 18,000	\$ -	\$ 799,000	\$ -	\$ -	\$ -	
68.8%	0.5%	27.6%	0.1%	0.0%	3.1%	0.0%	0.0%	0.0%	

Airport Code	OV4
Airport Name	Brookneal-Campbell County
Airport Region	5
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Rehabilitate and Upgrade Airfield Electrical (Construction) and Instrument Improvements (REILs & PAPI - RW 6 & RW 24)	\$ 997,000	\$ 972,000	\$ -	\$ 797,600	\$ 199,400	ACIP
2	2016	Crack Seal Runway 6-24	\$ 32,000	\$ 30,000	\$ -	\$ 25,600	\$ 6,400	ACIP
3	2016	Master Plan/ALP Update	\$ 189,000	\$ 180,000	\$ -	\$ 151,200	\$ 37,800	ACIP
4	2016	Remark Runway 6-24	\$ 32,000	\$ 30,000	\$ -	\$ 25,600	\$ 6,400	ACIP
5	2017	Environmental Assessment 5-Year	\$ 135,000	\$ 120,000	\$ -	\$ 108,000	\$ 27,000	ACIP
6	2017	Minimum Standards Review	\$ 34,000	\$ 30,000	\$ -	\$ -	\$ 34,000	ACIP
7	2017	Rules and Regulations Review	\$ 34,000	\$ 30,000	\$ -	\$ -	\$ 34,000	ACIP
8	2019	Crack Seal Runway 6-24	\$ 36,000	\$ 30,000	\$ -	\$ 28,800	\$ 7,200	ACIP
9	2019	Remark Runway	\$ 36,000	\$ 30,000	\$ -	\$ 28,800	\$ 7,200	ACIP
10	2020	Rehabilitate Runway 6-24 (Design)	\$ 137,000	\$ 108,000	\$ -	\$ 109,600	\$ 27,400	ACIP
11	TBD	Runway 6-24 Widening (3,800' x 15')	\$ 2,086,000	\$ 1,409,149	\$ -	\$ 1,668,800	\$ 417,200	Facilities Requirements
12	TBD	Add Taxiway Turnarounds	\$ 1,554,000	\$ 1,050,000	\$ -	\$ 1,243,200	\$ 310,800	Facilities Requirements
13	TBD	Communication Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ -	\$ 124,000	Facilities Requirements
14	TBD	Corporate Hangar Site Construction (4 Units 60' x 60')	\$ 1,870,000	\$ 1,263,181	\$ -	\$ 1,496,000	\$ 374,000	Facilities Requirements
15	TBD	Corporate Hangar Building Construction (4 Units 60' x 60')	\$ 829,000	\$ 560,000	\$ -	\$ -	\$ 829,000	Facilities Requirements
16	TBD	Terminal Expansion (1800 SF)	\$ 1,119,000	\$ 756,000	\$ -	\$ 581,880	\$ 537,120	Facilities Requirements
17	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
18	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
19	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
20	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
21	TBD	Offer Courtesy Car	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements
22	TBD	Utility Improvements (WiFi)	\$ 10,000	\$ 6,500	\$ -	\$ -	\$ 10,000	Facilities Requirements
23	TBD	Runway Rehab (Taxiway, Apron, & Taxilane)	\$ 4,456,000	\$ 3,010,000	\$ -	\$ 3,564,800	\$ 891,200	Facilities Requirements
24	TBD	RPZ Land Acquisition (Fee Simple)	\$ 19,000	\$ 13,000	\$ -	\$ 15,200	\$ 3,800	Facilities Requirements
25	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements

Total Project Cost at Airport \$16,863,000 \$11,828,830

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	59.1%	\$ 9,969,080
Airport Contribution	40.9%	\$ 6,893,920
Total		\$ 16,863,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 8,547,000	\$ 1,121,000	\$ 5,688,000	\$ -	\$ 64,000	\$ 324,000	\$ -	\$ 1,119,000	\$ -
50.7%	6.6%	33.7%	0.0%	0.4%	1.9%	0.0%	6.6%	0.0%

Airport Code	FKN
Airport Name	Franklin Municipal
Airport Region	6
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Partial Parallel Taxiway Extension (Design)	\$ 164,000	\$ 160,200	\$ 147,600	\$ 13,120	\$ 3,280	ACIP
2	2016	Partial Parallel Taxiway (Construction)	\$ 821,000	\$ 780,000	\$ 738,900	\$ 65,680	\$ 16,420	ACIP
3	2017	Airport Layout Plan Update & Drainage Study	\$ 270,000	\$ 240,000	\$ 243,000	\$ 21,600	\$ 5,400	ACIP
4	2018	Drainage Rehabilitation (Design)	\$ 84,000	\$ 72,000	\$ 75,600	\$ 6,720	\$ 1,680	ACIP
5	2019	Drainage Rehabilitation (Construction)	\$ 1,095,000	\$ 900,000	\$ 985,500	\$ 87,600	\$ 21,900	ACIP
6	2020	Hangar Site Preparation (Design)	\$ 61,000	\$ 48,000	\$ 54,900	\$ 4,880	\$ 1,220	ACIP
7	2024	Instrument Improvements (REILs - RW 9 & RW 27)	\$ 207,000	\$ 140,000	\$ 186,300	\$ 16,560	\$ 4,140	Facilities Requirements
8	2024	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
9	2024	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
10	2024	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
11	2024	Pavement Rehab (Taxiway & Apron)	\$ 8,450,000	\$ 5,708,500	\$ 7,605,000	\$ 676,000	\$ 169,000	Facilities Requirements
12	2024	RPZ Land Acquisition (9.1 Acres Fee Simple)	\$ 175,000	\$ 118,300	\$ 157,500	\$ 14,000	\$ 3,500	Facilities Requirements
13	2024	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
14	2024	ALP and Master Plan Update	\$ 799,000	\$ 540,000	\$ 719,100	\$ 63,920	\$ 15,980	Facilities Requirements
Total Project Cost at Airport			\$12,548,000	\$8,992,000				

Project Cost Totals by Contribution		
Federal Contribution	88.1%	\$ 11,052,900
State Contribution	7.8%	\$ 982,480
Airport Contribution	4.1%	\$ 512,620
Total		\$ 12,548,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 10,944,000	\$ 207,000	\$ 328,000	\$ -	\$ -	\$ 1,069,000	\$ -	\$ -	\$ -
87.2%	1.6%	2.6%	0.0%	0.0%	8.5%	0.0%	0.0%	0.0%

Airport Code	FRR
Airport Name	Front Royal-Warren County
Airport Region	2
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2016	Obstruction Removal	\$ 467,000	\$ 443,333	\$ 420,300	\$ 37,360	\$ 9,340	ACIP
2	2016	Terminal Renovation (Design)	\$ 15,000	\$ 14,400	\$ -	\$ 12,000	\$ 3,000	ACIP
3	2016	Runway Overlay	\$ 442,000	\$ 420,000	\$ 397,800	\$ 35,360	\$ 8,840	MPU
4	2016	REIL/PAPI Lights Design	\$ 25,000	\$ 24,000	\$ 22,500	\$ 2,000	\$ 500	MPU
5	2016	REIL/PAPI Lights Construction/Bidding	\$ 68,000	\$ 65,000	\$ 61,200	\$ 5,440	\$ 1,360	MPU
6	2016	GCO Design	\$ 19,000	\$ 18,000	\$ 17,100	\$ 1,520	\$ 380	MPU
7	2016	GCO Construction/Bidding	\$ 68,000	\$ 65,000	\$ 61,200	\$ 5,440	\$ 1,360	MPU
8	2016	Apron/Fuel Farm Expansion Design/Bidding	\$ 38,000	\$ 36,000	\$ 34,200	\$ 3,040	\$ 760	MPU
9	2016	Apron Expansion/Fuel Farm Construction/Relocation	\$ 233,000	\$ 221,000	\$ 209,700	\$ 18,640	\$ 4,660	MPU
10	2016	Auto Parking Expansion Construction/Bidding	\$ 103,000	\$ 98,000	\$ 92,700	\$ 8,240	\$ 2,060	MPU
11	2016	Two 6-Unit T-Hangars (Turnkey)	\$ 663,000	\$ 630,000	\$ -	\$ -	\$ 663,000	MPU
12	2016	SWPPP/SPCC Update	\$ 25,000	\$ 24,000	\$ 22,500	\$ 2,000	\$ 500	MPU
13	2017	Airport Master Plan Update	\$ 225,000	\$ 200,000	\$ 202,500	\$ 18,000	\$ 4,500	ACIP
14	2017	Terminal Renovation (Construction)	\$ 40,000	\$ 36,000	\$ -	\$ 20,800	\$ 19,200	ACIP
15	2017	T-Hangar Site Preparation - Phase II (Construction)	\$ 810,000	\$ 720,000	\$ 729,000	\$ 64,800	\$ 16,200	ACIP
16	2018	Land Acquisition (Reimbursement - Nicholson & Menefee)	\$ 579,000	\$ 494,933	\$ 521,100	\$ 46,320	\$ 11,580	ACIP
17	2018	Security Fencing & Access Control - Phase 2 (Construction)	\$ 140,000	\$ 120,000	\$ 126,000	\$ 11,200	\$ 2,800	ACIP
18	2020	Apron Expansion (Design)	\$ 121,000	\$ 96,000	\$ 108,900	\$ 9,680	\$ 2,420	ACIP
19	2022	Airport Access Road Resurfacing	\$ 77,000	\$ 56,000	\$ 69,300	\$ 6,160	\$ 1,540	MPU
20	TBD	Runway/Taxiway EA/Permitting	\$ 266,000	\$ 180,000	\$ 239,400	\$ 21,280	\$ 5,320	MPU
21	TBD	Land Acquisition/Obstruction Removal Services (Runway Extension)	\$ 104,000	\$ 70,000	\$ 93,600	\$ 8,320	\$ 2,080	MPU
22	TBD	Acquire Land/Remove Obstructions (Runway Extension)	\$ 1,924,000	\$ 1,300,000	\$ 1,731,600	\$ 153,920	\$ 38,480	MPU
23	TBD	Runway/Taxiway Extension Design/Bidding	\$ 124,000	\$ 84,000	\$ 111,600	\$ 9,920	\$ 2,480	MPU
24	TBD	Runway/Taxiway Extension Construction (includes lighting)	\$ 20,648,000	\$ 13,949,000	\$ 18,583,200	\$ 1,651,840	\$ 412,960	MPU
25	TBD	Three Corporate Hangars/Apron Design (Turnkey)	\$ 124,000	\$ 84,000	\$ 111,600	\$ 9,920	\$ 2,480	MPU
26	TBD	Three Corporate Hangars/Apron Construction (Turnkey)	\$ 2,174,000	\$ 1,469,000	\$ -	\$ -	\$ 2,174,000	MPU
27	TBD	Add On-Site Weather Reporting	\$ 259,000	\$ 175,000	\$ 233,100	\$ 20,720	\$ 5,180	Facilities Requirements
28	TBD	Corporate Hangar Site Construction (1 Unit 100' x 100')	\$ 1,017,000	\$ 686,953	\$ 915,300	\$ 81,360	\$ 20,340	Facilities Requirements
29	TBD	Corporate Hangar Building Construction (1 Unit 100' x 100')	\$ 207,000	\$ 140,000	\$ -	\$ -	\$ 207,000	Facilities Requirements
30	TBD	Apron Expansion (42,930 SY)	\$ 14,240,000	\$ 9,620,173	\$ 12,816,000	\$ 1,139,200	\$ 284,800	Facilities Requirements
31	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
32	TBD	Offer Courtesy Car	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements
33	TBD	Pavement Rehab (Taxiway, Apron, & Taxilane)	\$ 13,912,000	\$ 9,398,200	\$ 12,520,800	\$ 1,112,960	\$ 278,240	Facilities Requirements
34	TBD	RPZ Land Acquisition (0.1 Acres Fee Simple)	\$ 2,000	\$ 1,300	\$ 1,800	\$ 160	\$ 40	Facilities Requirements
35	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
36	TBD	Terminal / Pilot Services (Add Phone)	\$ 9,000	\$ 6,000	\$ -	\$ -	\$ 9,000	Facilities Requirements

Total Project Cost at Airport	\$59,430,000	\$41,122,292
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Project Cost Totals by Contribution		
Federal Contribution	85.1%	\$ 50,593,500
State Contribution	7.6%	\$ 4,530,000
Airport Contribution	7.2%	\$ 4,306,500
Total		\$ 59,430,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 52,989,000	\$ 439,000	\$ 5,111,000	\$ 180,000	\$ -	\$ 516,000	\$ 140,000	\$ -	\$ -	
89.2%	0.7%	8.6%	0.3%	0.0%	0.9%	0.2%	0.0%	0.0%	

Airport Code	W63
Airport Name	Lake Country Regional
Airport Region	6
Airport Category	Community
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Easement Acquisition (Runway 22 Approach)	\$ 43,000	\$ 42,000	\$ -	\$ 34,400	\$ 8,600	ACIP
2	2015	Runway Rehabilitation & RSA Stabilization (Design)	\$ 105,000	\$ 102,000	\$ -	\$ 84,000	\$ 21,000	ACIP
3	2015	T-Hangar Site (Design)	\$ 62,000	\$ 60,000	\$ -	\$ 49,600	\$ 12,400	ACIP
4	2015	T-Hangar Site (Construction)	\$ 369,000	\$ 360,000	\$ -	\$ 295,200	\$ 73,800	ACIP
5	2015	Design/Install PAPIs (2 Box) & REILs	\$ 147,000	\$ 143,000	\$ -	\$ 117,600	\$ 29,400	MPU
6	2015	Design/Install Security Fencing	\$ 104,000	\$ 101,400	\$ -	\$ 83,200	\$ 20,800	MPU
7	2015	T-Hangar Site Construction (14 Units)	\$ 3,402,000	\$ 3,315,850	\$ -	\$ 2,721,600	\$ 680,400	MPU
8	2015	T-Hangar Building Construction (14 Units)	\$ 905,000	\$ 882,000	\$ -	\$ -	\$ 905,000	MPU
9	2016	Runway Lighting System Rehabilitation (Design)	\$ 73,000	\$ 69,600	\$ -	\$ 58,400	\$ 14,600	ACIP
10	2016	Runway Rehabilitation & RSA Stabilization (Construction)	\$ 1,026,000	\$ 975,000	\$ -	\$ 820,800	\$ 205,200	ACIP
11	2017	Runway Lighting System Rehabilitation (Construction)	\$ 366,000	\$ 325,000	\$ -	\$ 292,800	\$ 73,200	ACIP
12	2018	Design/Construct Taxiway Apron	\$ 776,000	\$ 663,000	\$ -	\$ 620,800	\$ 155,200	MPU
13	2018	Design/Construct Access and Auto Parking	\$ 671,000	\$ 573,300	\$ -	\$ 536,800	\$ 134,200	MPU
14	2018	Relocate/Construct Terminal Building	\$ 131,000	\$ 112,000	\$ -	\$ 68,120	\$ 62,880	MPU
15	2020	Taxiway & Apron (Design)	\$ 76,000	\$ 60,000	\$ -	\$ 60,800	\$ 15,200	ACIP
16	TBD	T-Hangar Site Construction (7 Units)	\$ 2,454,000	\$ 1,657,925	\$ -	\$ 1,963,200	\$ 490,800	MPU
17	2024	T-Hangar Building Construction (7 Units)	\$ 653,000	\$ 441,000	\$ -	\$ -	\$ 653,000	MPU
18	2024	Design/Construct Apron Expansion	\$ 318,000	\$ 214,500	\$ -	\$ 254,400	\$ 63,600	MPU
19	TBD	Design/Upgrade Fuel Storage System	\$ 416,000	\$ 280,800	\$ -	\$ 332,800	\$ 83,200	MPU
20	TBD	Runway Widening (4,500' x 25')	\$ 4,117,000	\$ 2,781,362	\$ -	\$ 3,293,600	\$ 823,400	Facilities Requirements
21	TBD	Add Taxiway Turnarounds	\$ 1,554,000	\$ 1,050,000	\$ -	\$ 1,243,200	\$ 310,800	Facilities Requirements
22	TBD	Communications Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
23	TBD	Apron Area Expansion (6,205)	\$ 1,864,000	\$ 1,259,354	\$ -	\$ 1,491,200	\$ 372,800	Facilities Requirements
24	TBD	Add Limited Service Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
25	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
26	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
27	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
28	TBD	Terminal/Pilot Service Improvements (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
29	TBD	Utility Upgrades (WiFi)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
30	TBD	Pavement Rehab (Taxiway, Apron, & Taxilane)	\$ 6,185,000	\$ 4,178,300	\$ -	\$ 4,948,000	\$ 1,237,000	Facilities Requirements
31	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
32	TBD	RPZ Land Acquisition (23.4 Acres Fee Simple)	\$ 450,000	\$ 304,200	\$ -	\$ 360,000	\$ 90,000	Facilities Requirements
33	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
34	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$29,734,000	\$22,294,591				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	67.7%	\$ 20,119,320
Airport Contribution	32.3%	\$ 9,614,680
Total		\$ 29,734,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 17,731,000	\$ 271,000	\$ 10,826,000	\$ 671,000	\$ -	\$ -	\$ 104,000	\$ 131,000	\$ -	
59.6%	0.9%	36.4%	2.3%	0.0%	0.0%	0.3%	0.4%	0.0%	

Airport Code	OVG
Airport Name	Lee County
Airport Region	1
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Construct Community Hangar	\$ 369,000	\$ 360,000	\$ -	\$ -	\$ 369,000	ACIP
2	2015	Construct Community Hangar - Site Preparation (Construction)	\$ 369,000	\$ 360,000	\$ 332,000	\$ 29,520	\$ 7,380	ACIP
3	2018	Install Taxiway Lighting (Design)	\$ 70,000	\$ 60,000	\$ 63,000	\$ 5,600	\$ 1,400	ACIP
4	2019	Install Taxiway Lighting (Construction)	\$ 628,000	\$ 516,000	\$ 565,000	\$ 50,240	\$ 12,560	ACIP
5	2019	Rehabilitate Airfield Guidance Signs (Design & Construction)	\$ 109,000	\$ 90,000	\$ 98,000	\$ 8,720	\$ 2,180	ACIP
6	2024	T-Hangar Site Construction - Phase III (15 Units)	\$ 6,941,000	\$ 4,689,285	\$ 6,247,000	\$ 555,280	\$ 138,820	ALP
7	2024	T-Hangar Building Construction - Phase III (15 Units)	\$ 1,399,000	\$ 945,000	\$ -	\$ -	\$ 1,399,000	ALP
8	2024	T-Hangar Site Construction - Future (30 Units)	\$ 13,883,000	\$ 9,378,571	\$ 12,495,000	\$ 1,110,640	\$ 277,660	ALP
9	2024	T-Hangar Building Construction - Future (30 Units)	\$ 2,798,000	\$ 1,890,000	\$ -	\$ -	\$ 2,798,000	ALP
10	2024	Corporate Hangar Site Construction - Phase III (2 units 60 x 60)	\$ 1,234,000	\$ 833,651	\$ 1,111,000	\$ 98,720	\$ 24,680	ALP
11	2024	Coporate Hangar Building Construction - Phase III (2 units 60 x 60)	\$ 414,000	\$ 280,000	\$ -	\$ -	\$ 414,000	ALP
12	2024	Apron Expansion - Phase III	\$ 1,111,000	\$ 750,701	\$ 1,000,000	\$ 88,880	\$ 22,220	ALP
13	2024	Terminal Auto Parking Expansion	\$ 398,000	\$ 268,908	\$ 358,000	\$ 31,840	\$ 7,960	ALP
14	2024	Apron Expansion - Future	\$ 3,914,000	\$ 2,644,259	\$ 3,523,000	\$ 313,120	\$ 78,280	ALP
15	2024	Corporate Hangar Site Construction - Future (1 Unit 60 x 60)	\$ 617,000	\$ 416,825	\$ 555,000	\$ 49,360	\$ 12,340	ALP
16	2024	Corporate Hangar Building Construction - Future (1 Unit 60 x 60)	\$ 207,000	\$ 140,000	\$ -	\$ -	\$ 207,000	ALP
17	2024	Add GCO	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
18	2024	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
19	2024	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
20	2024	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
21	2024	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
22	2024	Terminal/Pilot Phone	\$ 9,000	\$ 6,000	\$ -	\$ -	\$ 9,000	Facilities Requirements
23	2024	Offer Courtesy Car	\$ 18,000	\$ 12,000	\$ -	\$ -	\$ 18,000	Facilities Requirements

Total Project Cost at Airport	\$37,573,000	\$25,725,199
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Project Cost Totals by Contribution		
Federal Contribution	70.1%	\$ 26,347,000
State Contribution	6.5%	\$ 2,441,120
Airport Contribution	23.4%	\$ 8,785,280
Total		\$ 37,573,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 5,723,000	\$ 233,000	\$ 31,219,000	\$ 398,000	\$ -	\$ -	\$ -	\$ -	\$ -
15.2%	0.6%	83.1%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%

Airport Code	LKU
Airport Name	Louisa County
Airport Region	4
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	ODALS To Runway 27 - Construction	\$ 185,000	\$ 180,000	\$ 166,500	\$ 14,800	\$ 3,700	ACIP
2	2015	Runway/Taxiway Lighting & Vault Rehabilitation (Construction)	\$ 1,847,000	\$ 1,800,000	\$ 1,662,300	\$ 147,760	\$ 36,940	ACIP
3	2015	SWPPP Update	\$ 15,000	\$ 14,400	\$ -	\$ 12,000	\$ 3,000	ACIP
4	2015	Terminal Site & Building (Design)	\$ 123,000	\$ 120,000	\$ -	\$ 63,960	\$ 59,040	ACIP
5	2016	North Apron Expansion (Environmental Assessment)	\$ 126,000	\$ 120,000	\$ 113,400	\$ 10,080	\$ 2,520	ACIP
6	2016	Terminal Building (Construction)	\$ 1,516,000	\$ 1,440,000	\$ -	\$ 788,320	\$ 727,680	ACIP
7	2016	Terminal Furniture	\$ 25,000	\$ 24,000	\$ -	\$ 13,000	\$ 12,000	ACIP
8	2016	Terminal Site & Building Site (Construction)	\$ 632,000	\$ 600,000	\$ -	\$ 328,640	\$ 303,360	ACIP
9	2017	North Apron Expansion (Design)	\$ 150,000	\$ 133,333	\$ 135,000	\$ 12,000	\$ 3,000	ACIP
10	2017	Runway Extension (5,000' X 100') Justification Study	\$ 81,000	\$ 72,000	\$ 72,900	\$ 6,480	\$ 1,620	ACIP
11	2018	North Apron Expansion (Construction)	\$ 615,000	\$ 525,333	\$ 553,500	\$ 49,200	\$ 12,300	ACIP
12	2019	Security Fencing & Access Controls (Design)	\$ 105,000	\$ 86,667	\$ 94,500	\$ 8,400	\$ 2,100	ACIP
13	2020	Security Fencing & Access Controls - Phase 1 (Construction)	\$ 506,000	\$ 400,000	\$ 455,400	\$ 40,480	\$ 10,120	ACIP
14	TBD	T-Hangar Site Construction (36 Units)	\$ 12,526,000	\$ 8,462,362	\$ 11,273,400	\$ 1,002,080	\$ 250,520	ALP
15	TBD	T-Hangar Building Construction (36 Units)	\$ 3,357,000	\$ 2,268,000	\$ -	\$ -	\$ 3,357,000	ALP
16	TBD	Corporate Hangar Site Construction (7 Units 60' x 60')	\$ 3,248,000	\$ 2,193,946	\$ 2,923,200	\$ 259,840	\$ 64,960	ALP
17	TBD	Corporate Hangar Building Construction (7 Units 60' x 60')	\$ 1,451,000	\$ 980,000	\$ -	\$ -	\$ 1,451,000	ALP
18	TBD	Communications Update (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
19	TBD	Apron Area Expansion (36,479 SY)	\$ 10,877,000	\$ 7,348,038	\$ 9,789,300	\$ 870,160	\$ 217,540	Facilities Requirements
20	TBD	Terminal Improvements (4707 SF)	\$ 2,926,000	\$ 1,976,940	\$ -	\$ 1,521,520	\$ 1,404,480	Facilities Requirements
21	TBD	Auto Parking Expansion (66 Spaces)	\$ 356,000	\$ 240,240	\$ 320,400	\$ 28,480	\$ 7,120	Facilities Requirements
22	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
23	TBD	Terminal Pilot/Services (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ 5,200	\$ 4,800	Facilities Requirements
24	TBD	RPZ Land Acquisition (0.2 Acres Fee Simple)	\$ 4,000	\$ 2,600	\$ 3,600	\$ 320	\$ 80	Facilities Requirements
25	TBD	Runway Extension	\$ 6,107,000	\$ 4,125,437	\$ 5,496,300	\$ 488,560	\$ 122,140	Facilities Requirements

Total Project Cost at Airport	\$47,001,000	\$33,264,296
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Project Cost Totals by Contribution		
Federal Contribution	70.3%	\$ 33,059,700
State Contribution	12.3%	\$ 5,770,480
Airport Contribution	17.4%	\$ 8,170,820
Total		\$ 47,001,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 19,822,000	\$ 309,000	\$ 20,671,000	\$ 356,000	\$ -	\$ -	\$ 611,000	\$ 5,232,000	\$ -
42.2%	0.7%	44.0%	0.8%	0.0%	0.0%	1.3%	11.1%	0.0%

Airport Code	LUA
Airport Name	Luray Caverns
Airport Region	2
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Fuel Farm Relocation (Design)	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
2	2015	Land and Easement Acquisition for Runway 4 LPV Approach	\$ 369,000	\$ 360,000	\$ 332,100	\$ 29,520	\$ 7,380	ACIP
3	2016	Construct Safety Area Improvements (SR652/647)	\$ 4,421,000	\$ 4,200,000	\$ 3,978,900	\$ 353,680	\$ 88,420	ACIP
4	2016	Fuel Farm Relocation (Construction)	\$ 253,000	\$ 240,000	\$ 227,700	\$ 20,240	\$ 5,060	ACIP
5	2016	Land Acquisition - Runway 4 LVP Approach (FAA Reimb.) (43 Acres)	\$ 543,000	\$ 516,000	\$ 488,700	\$ 43,440	\$ 10,860	ACIP
6	2016	Terminal Apron (Design)	\$ 202,000	\$ 192,000	\$ 181,800	\$ 16,160	\$ 4,040	ACIP
7	2016	Terminal Building/Parking Lot (Design)	\$ 227,000	\$ 216,000	\$ 204,300	\$ 18,160	\$ 4,540	ACIP
8	2016	Design Taxiway	\$ 195,000	\$ 180,000	\$ 175,500	\$ 15,600	\$ 3,900	MPU
9	2016	Obstruction Removal - RW 22	\$ 76,000	\$ 70,000	\$ 68,400	\$ 6,080	\$ 1,520	MPU
10	2016	Construct T-Hangars (15 Units)	\$ 636,000	\$ 588,000	\$ -	\$ -	\$ 636,000	MPU
11	2017	Construct Terminal Building /Parking/Fuel	\$ 3,375,000	\$ 3,000,000	\$ -	\$ 1,755,000	\$ 1,620,000	ACIP
12	2017	Environmental Assessment, RW 22 Extension	\$ 472,000	\$ 420,000	\$ 424,800	\$ 37,760	\$ 9,440	ACIP
13	2017	Land and Easement Acquisition Services for RW Extension	\$ 270,000	\$ 240,000	\$ 243,000	\$ 21,600	\$ 5,400	ACIP
14	2017	Terminal Apron (Construction)	\$ 1,350,000	\$ 1,200,000	\$ 1,215,000	\$ 108,000	\$ 27,000	ACIP
15	2017	Terminal Building/Parking (Construction)	\$ 2,025,000	\$ 1,800,000	\$ 1,822,500	\$ 162,000	\$ 40,500	ACIP
16	2018	Land and Easement Acquisition for RW Extension	\$ 2,106,000	\$ 1,800,000	\$ 1,895,400	\$ 168,480	\$ 42,120	ACIP
17	2019	Runway 4/22 Design	\$ 584,000	\$ 480,000	\$ 525,600	\$ 46,720	\$ 11,680	ACIP
18	2022	Construct Runway 22 Extension (include. NAVAIDs, AWOS, REILs, PAPI, & Power)	\$ 8,526,000	\$ 6,230,000	\$ 7,673,400	\$ 682,080	\$ 170,520	MPU
19	2022	Construct Parallel Taxiway	\$ 3,449,000	\$ 2,520,000	\$ 3,104,100	\$ 275,920	\$ 68,980	MPU
20	2022	Design Maintenance Hangar	\$ 82,000	\$ 60,000	\$ -	\$ -	\$ 82,000	MPU
21	2022	Design Conventional Hangars (4 Units)	\$ 236,000	\$ 172,800	\$ -	\$ -	\$ 236,000	MPU
22	2022	Site Prep for Maintenance Hangar	\$ 287,000	\$ 210,000	\$ -	\$ -	\$ 287,000	MPU
23	2022	Site Prep for Conventional Hangars	\$ 766,000	\$ 560,000	\$ 689,400	\$ 61,280	\$ 15,320	MPU
24	2022	Construct Maintenance Hangar	\$ 890,000	\$ 650,000	\$ -	\$ -	\$ 890,000	MPU
25	2022	Construct Conventional Hangar (4 Units)	\$ 2,562,000	\$ 1,872,000	\$ -	\$ -	\$ 2,562,000	MPU
26	TBD	Primary Runway Strength Improvements (500 lbs)	\$ 1,368,000	\$ 924,000	\$ 1,231,200	\$ 109,440	\$ 27,360	Facilities Requirements
27	TBD	Communications Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
28	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
29	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
30	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
31	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
32	TBD	Pavement Rehab (Runway, Taxiway, & Apron)	\$ 9,367,000	\$ 6,327,860	\$ 8,430,300	\$ 749,360	\$ 187,340	Facilities Requirements
Total Project Cost at Airport			\$47,784,000	\$37,172,660				

Project Cost Totals by Contribution		
Federal Contribution	69.0%	\$ 32,967,900
State Contribution	10.0%	\$ 4,784,680
Airport Contribution	21.0%	\$ 10,031,420
Total		\$ 47,784,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 32,556,000	\$ 124,000	\$ 8,735,000	\$ 2,252,000	\$ -	\$ 742,000	\$ -	\$ 3,375,000	\$ -
68.1%	0.3%	18.3%	4.7%	0.0%	1.6%	0.0%	7.1%	0.0%

Airport Code	W96
Airport Name	New Kent County
Airport Region	4
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Taxiway Rehab and Lighting Installation (Design)	\$ 205,000	\$ 199,999	\$ 184,500	\$ 16,400	\$ 4,100	ACIP
2	2016	Rehabilitate Ramp Pavement - Design	\$ 120,000	\$ 114,000	\$ 108,000	\$ 9,600	\$ 2,400	ACIP
3	2016	Rehabilitate Taxiway and Intall Lighting - Construction	\$ 1,768,000	\$ 1,680,000	\$ 1,591,200	\$ 141,440	\$ 35,360	ACIP
4	2017	Five Year Environmental Assessment	\$ 540,000	\$ 480,000	\$ 486,000	\$ 43,200	\$ 10,800	ACIP
5	2017	MIRL Rehabilitation - Design	\$ 60,000	\$ 53,334	\$ 54,000	\$ 4,800	\$ 1,200	ACIP
6	2017	Rehabilitate Ramp Pavement - Construction	\$ 1,026,000	\$ 912,000	\$ 923,400	\$ 82,080	\$ 20,520	ACIP
7	2017	T-Hangar Site Prep - Design	\$ 61,000	\$ 54,000	\$ 54,900	\$ 4,880	\$ 1,220	ACIP
8	2018	Off-Airport Obstruction Removal - Design	\$ 42,000	\$ 36,000	\$ 37,800	\$ 3,360	\$ 840	ACIP
9	2019	Off-Airport Obstruction Removal - Construction	\$ 425,000	\$ 348,960	\$ 382,500	\$ 34,000	\$ 8,500	ACIP
10	2019	Remove Underground Tanks	\$ 88,000	\$ 72,000	\$ 79,200	\$ 7,040	\$ 1,760	ACIP
11	2020	Fuel Farm Upgrade	\$ 190,000	\$ 150,000	\$ 171,000	\$ 15,200	\$ 3,800	ACIP
12	2020	Rotating Beacon	\$ 90,000	\$ 70,000	\$ 81,000	\$ 7,200	\$ 1,800	ALP
13	2020	Corporate Hangar Site Construction (3 Units 100' x 100')	\$ 2,311,000	\$ 1,775,921	\$ 2,079,900	\$ 184,880	\$ 46,220	ALP
14	2020	Corporate Hangar Building Construction (3 Units 100' x 100')	\$ 547,000	\$ 420,000	\$ -	\$ -	\$ 547,000	ALP
15	2020	Parking Area and Road (12,000 SY)	\$ 3,146,000	\$ 2,417,184	\$ 2,831,400	\$ 251,680	\$ 62,920	ALP
16	2020	T-Hangar Site Construction (20 Units)	\$ 6,034,000	\$ 4,701,312	\$ 5,430,600	\$ 482,720	\$ 120,680	ALP
17	2020	T-Hangar Building Construction (20 Units)	\$ 1,617,000	\$ 1,260,000	\$ -	\$ -	\$ 1,617,000	ALP
18	2025	Demolish T-Hangars	\$ 333,000	\$ 210,000	\$ 299,700	\$ 26,640	\$ 6,660	ALP
19	2025	T-Hangar Site Construction (10 Units)	\$ 3,722,000	\$ 2,350,656	\$ 3,349,800	\$ 297,760	\$ 74,440	ALP
20	2025	T-Hangar Building Construction (10 Units)	\$ 998,000	\$ 630,000	\$ -	\$ -	\$ 998,000	ALP
21	2030	Land Acquisition (4.55 Acres)	\$ 111,000	\$ 59,150	\$ 99,900	\$ 8,880	\$ 2,220	ALP
22	2030	Taxiway Pavement Widening and Hangar Access	\$ 262,000	\$ 135,967	\$ 235,800	\$ 20,960	\$ 5,240	ALP
23	2030	T-Hangar Site Construction (10 Units)	\$ 4,529,000	\$ 2,350,656	\$ 4,076,100	\$ 362,320	\$ 90,580	ALP
24	2030	T-Hangar Building Construction (10 Units)	\$ 1,214,000	\$ 630,000	\$ -	\$ -	\$ 1,214,000	ALP
25	2024	Apron Construction (89,948 SY)	\$ 27,586,000	\$ 18,118,406	\$ 24,827,400	\$ 2,206,880	\$ 551,720	Facilities Requirements
26	2024	RPZ Land Acquisition (10.8 Acres Fee Simple)	\$ 211,000	\$ 140,400	\$ 189,900	\$ 16,880	\$ 4,220	Facilities Requirements
27	2024	Terminal / Pilot Services (Add Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
Total Project Cost at Airport			\$57,246,000	\$39,376,944				

Project Cost Totals by Contribution		
Federal Contribution	83.1%	\$ 47,574,000
State Contribution	7.4%	\$ 4,228,800
Airport Contribution	9.5%	\$ 5,443,200
Total		\$ 57,246,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 32,034,000	\$ 150,000	\$ 21,376,000	\$ 3,146,000	\$ -	\$ 540,000	\$ -	\$ -	\$ -	
56.0%	0.3%	37.3%	5.5%	0.0%	0.9%	0.0%	0.0%	0.0%	

Airport Code	OMH
Airport Name	Orange County
Airport Region	2
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Runway 26 Obstruction Removal - Short-Form EA	\$ 492,000	\$ 480,000	\$ 442,800	\$ 39,360	\$ 9,840	ACIP
2	2016	Runway 26 Obstruction Removal - Negotiations	\$ 189,000	\$ 180,000	\$ 170,100	\$ 15,120	\$ 3,780	ACIP
3	2017	Construct GA Apron and Taxiway MITLs (DD/CO)	\$ 2,295,000	\$ 2,040,000	\$ 2,065,500	\$ 183,600	\$ 45,900	ACIP
4	2017	Construct T-Hangar "A" 20-Unit (DD)	\$ 67,000	\$ 60,000	\$ -	\$ -	\$ 67,000	ACIP
5	2017	Construct T-Hangar "A" Taxilanes (DD)	\$ 108,000	\$ 96,000	\$ 97,200	\$ 8,640	\$ 2,160	ACIP
6	2017	Runway 26 Obstruction Removal (Acquisition/Design)	\$ 540,000	\$ 480,000	\$ 486,000	\$ 43,200	\$ 10,800	ACIP
7	2017	Runway 26 Obstruction Removal - Negotiations (FAA Reimb.)	\$ 202,000	\$ 180,000	\$ 202,000	\$ -	\$ -	ACIP
8	2018	Construct Corporate Hangar	\$ 842,000	\$ 720,000	\$ -	\$ -	\$ 842,000	ACIP
9	2018	Construct FBO/Maintenance Hangar	\$ 702,000	\$ 600,000	\$ -	\$ -	\$ 702,000	ACIP
10	2018	Construct T-Hangar "A" 20-Unit (CO)	\$ 1,123,000	\$ 960,000	\$ -	\$ -	\$ 1,123,000	ACIP
11	2018	Construct T-Hangar "A" Taxilanes (CO)	\$ 842,000	\$ 720,000	\$ 757,800	\$ 67,360	\$ 16,840	ACIP
12	2018	Demolish Old Skydive Orange Hangar	\$ 42,000	\$ 36,000	\$ 37,800	\$ 3,360	\$ 840	ACIP
13	2018	Expand Parking Lot (DD)	\$ 126,000	\$ 108,000	\$ 113,400	\$ 10,080	\$ 2,520	ACIP
14	2018	Runway 26 Obstruction Removal - Construction	\$ 562,000	\$ 480,000	\$ 505,800	\$ 44,960	\$ 11,240	ACIP
15	2019	Construct T-Hangar "B" 20-Unit (DD)	\$ 73,000	\$ 60,000	\$ -	\$ -	\$ 73,000	ACIP
16	2019	Construct T-Hangar "B" Taxilanes (DD)	\$ 117,000	\$ 96,000	\$ 105,300	\$ 9,360	\$ 2,340	ACIP
17	2019	Expand Parking Lot (CO)	\$ 730,000	\$ 600,000	\$ 657,000	\$ 58,400	\$ 14,600	ACIP
18	2019	Runway 8 Obstruction Removal - Short-Form	\$ 584,000	\$ 480,000	\$ 525,600	\$ 46,720	\$ 11,680	ACIP
19	2020	Construct T-Hangar "B" 20-Unit (CO)	\$ 1,063,000	\$ 840,000	\$ -	\$ -	\$ 1,063,000	ACIP
20	2020	Construct T-Hangar "B" Taxilanes (CO)	\$ 911,000	\$ 720,000	\$ 819,900	\$ 72,880	\$ 18,220	ACIP
21	2020	Runway 8 Obstruction Removal - Negotiations	\$ 228,000	\$ 180,000	\$ 205,200	\$ 18,240	\$ 4,560	ACIP
22	TBD	T-Hangar Site Design (16 Units)	\$ 5,567,000	\$ 3,761,050	\$ 5,010,300	\$ 445,360	\$ 111,340	ALP
23	TBD	T-Hangar Building Construction (16 Units)	\$ 1,492,000	\$ 1,008,000	\$ -	\$ -	\$ 1,492,000	ALP
24	TBD	Easement Acquisition (33 Acres RW 8 End)	\$ 635,000	\$ 429,000	\$ 571,500	\$ 50,800	\$ 12,700	ALP
25	TBD	Easement Acquisition (27 Acres RW 26 End)	\$ 520,000	\$ 351,000	\$ 468,000	\$ 41,600	\$ 10,400	ALP
26	TBD	Primary Runway Strength Improvements (500 lbs)	\$ 1,326,000	\$ 896,011	\$ 1,193,400	\$ 106,080	\$ 26,520	Facilities Requirements
27	TBD	Communications Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ 99,200	\$ 24,800	Facilities Requirements
28	TBD	Auto Parking (47 additional spaces)	\$ 253,000	\$ 171,080	\$ 227,700	\$ 20,240	\$ 5,060	Facilities Requirements
29	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ 71,200	\$ 17,800	Facilities Requirements
30	TBD	Terminal/Pilot Service Improvements (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
31	TBD	Pavement Rehab (Apron)	\$ 6,055,000	\$ 4,090,660	\$ 5,449,500	\$ 484,400	\$ 121,100	Facilities Requirements

Total Project Cost at Airport	\$27,909,000	\$20,973,801
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Project Cost Totals by Contribution		
Federal Contribution	72.1%	\$ 20,111,800
State Contribution	7.0%	\$ 1,940,160
Airport Contribution	21.0%	\$ 5,857,040
Total		\$ 27,909,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 13,136,000	\$ 124,000	\$ 11,975,000	\$ 2,172,000	\$ -	\$ 492,000	\$ -	\$ 10,000	\$ -	
47.1%	0.4%	42.9%	7.8%	0.0%	1.8%	0.0%	0.0%	0.0%	

Airport Code	EZF
Airport Name	Shannon
Airport Region	3
Airport Category	Community
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2020	Corporate Hangar Site Construction (5 Units 60' x 60')	\$ 1,983,000	\$ 1,567,104	\$ -	\$ 1,586,400	\$ 396,600	ALP
2	2020	Corporate Hangar Building Construction (5 Units 60' x 60')	\$ 886,000	\$ 700,000	\$ -	\$ -	\$ 886,000	ALP
3	TBD	Corporate Hangar Site Construction (5 Units 100' x 100')	\$ 3,746,000	\$ 2,960,259	\$ -	\$ 2,996,800	\$ 749,200	ALP
4	TBD	Corporate Hangar Building Construction (5 Units 100' x 100')	\$ 886,000	\$ 700,000	\$ -	\$ -	\$ 886,000	ALP
5	TBD	Runway Extension (140' x 100')	\$ 508,000	\$ 343,400	\$ -	\$ 406,400	\$ 101,600	Facilities Requirements
6	TBD	Instrument Improvements (REILs & PAPI - RW 6 & RW 24)	\$ 414,000	\$ 280,000	\$ -	\$ 331,200	\$ 82,800	Facilities Requirements
7	TBD	Apron Area Expansion (27,307 SY)	\$ 8,142,000	\$ 5,500,504	\$ -	\$ 6,513,600	\$ 1,628,400	Facilities Requirements
8	TBD	Auto Parking Expansion (61 Spaces)	\$ 329,000	\$ 222,040	\$ -	\$ 263,200	\$ 65,800	Facilities Requirements
9	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
10	TBD	Terminal/Pilot Service Improvements (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ 8,000	\$ 2,000	Facilities Requirements
11	TBD	Pavement Rehab (Runway & Taxiway)	\$ 1,686,000	\$ 1,138,670	\$ -	\$ 1,348,800	\$ 337,200	Facilities Requirements
12	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
13	TBD	RPZ Land Acquisition (11.4 Acres Fee Simple)	\$ 219,000	\$ 148,200	\$ -	\$ 175,200	\$ 43,800	Facilities Requirements
14	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
15	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
16	TBD	ALP and Master Plan Update	\$ 799,000	\$ 540,000	\$ -	\$ 639,200	\$ 159,800	Facilities Requirements
Total Project Cost at Airport			\$20,059,000	\$14,412,177				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	72.6%	\$ 14,558,400
Airport Contribution	27.4%	\$ 5,500,600
Total		\$ 20,059,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 10,917,000	\$ 414,000	\$ 7,590,000	\$ 329,000	\$ -	\$ 799,000	\$ -	\$ 10,000	\$ -
54.4%	2.1%	37.8%	1.6%	0.0%	4.0%	0.0%	0.0%	0.0%

Airport Code	TGI
Airport Name	Tangier Island
Airport Region	7
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	TBD	Runway Extension (90' x 75')	\$ 654,000	\$ 441,672	\$ 588,600	\$ 52,320	\$ 13,080	Facilities Requirements
2	TBD	Add Taxiway Turnarounds	\$ 3,109,000	\$ 2,100,000	\$ 2,798,100	\$ 248,720	\$ 62,180	Facilities Requirements
3	TBD	Instrument Improvements (REILs & PAPI - RW 6, RW 24, RW 2, & RW20, MIRLs)	\$ 933,000	\$ 630,000	\$ 839,700	\$ 74,640	\$ 18,660	Facilities Requirements
4	TBD	Install Onsite Weather Reporting	\$ 259,000	\$ 175,000	\$ 233,100	\$ 20,720	\$ 5,180	Facilities Requirements
5	TBD	Communication Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ -	\$ 124,000	Facilities Requirements
6	TBD	Construct New Terminal (1809 SF)	\$ 1,125,000	\$ 759,780	\$ -	\$ 585,000	\$ 540,000	Facilities Requirements
7	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
8	TBD	Fuel Improvements (24/7 and Avgas)	\$ 104,000	\$ 70,000	\$ 93,600	\$ 8,320	\$ 2,080	Facilities Requirements
9	TBD	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
10	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
11	TBD	Part Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
12	TBD	Utility Improvements (WiFi)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
13	TBD	Airport Lighting System	\$ 1,036,000	\$ 700,000	\$ 932,400	\$ 82,880	\$ 20,720	Facilities Requirements
Total Project Cost at Airport			\$10,315,000	\$6,967,452				

Project Cost Totals by Contribution		
Federal Contribution	53.2%	\$ 5,485,500
State Contribution	10.4%	\$ 1,072,600
Airport Contribution	36.4%	\$ 3,756,900
Total		\$ 10,315,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 4,903,000	\$ 1,316,000	\$ 2,971,000	\$ -	\$ -	\$ -	\$ -	\$ 1,125,000	\$ -
47.5%	12.8%	28.8%	0.0%	0.0%	0.0%	0.0%	10.9%	0.0%

Airport Code	HLX
Airport Name	Twin County
Airport Region	1
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Expand 100LL Fuel System	\$ 62,000	\$ 60,000	\$ 55,800	\$ 4,960	\$ 1,240	ACIP
2	2015	Master Plan Update	\$ 274,000	\$ 266,667	\$ 246,600	\$ 21,920	\$ 5,480	ACIP
3	2015	SWPPP Update	\$ 11,000	\$ 10,800	\$ -	\$ 8,800	\$ 2,200	ACIP
4	2016	Runway Extension - Environmental Assessment	\$ 351,000	\$ 333,333	\$ 315,900	\$ 28,080	\$ 7,020	ACIP
5	2017	Runway Extension - Land Acquisition Services	\$ 169,000	\$ 150,000	\$ 152,100	\$ 13,520	\$ 3,380	ACIP
6	2018	Runway Extension - Land Services & Acquisition	\$ 959,000	\$ 820,000	\$ 863,100	\$ 76,720	\$ 19,180	ACIP
7	2019	Runway Extension (Design)	\$ 1,622,000	\$ 1,333,333	\$ 1,459,800	\$ 129,760	\$ 32,440	ACIP
8	2020	Runway Extension - Phase 1 (Construction)	\$ 16,871,000	\$ 13,333,333	\$ 15,183,900	\$ 1,349,680	\$ 337,420	ACIP
9	2020	Add GCO	\$ 106,000	\$ 84,000	\$ -	\$ 84,800	\$ 21,200	Facilities Requirements
10	2020	Add Terminal Phone	\$ 9,000	\$ 7,000	\$ 8,100	\$ 720	\$ 180	Facilities Requirements
11	2022	Parallel Taxiway Extension	\$ 3,343,000	\$ 2,442,578	\$ 3,008,700	\$ 267,440	\$ 66,860	ALP/MPU
12	2022	New Terminal (Road & Parking)	\$ 1,165,000	\$ 851,541	\$ 1,048,500	\$ 93,200	\$ 23,300	ALP/MPU
13	2024	Apron Expansion - Phase 2	\$ 622,000	\$ 420,168	\$ 559,800	\$ 49,760	\$ 12,440	ALP/MPU
14	2022	T-Hangar #2 Site Construction (8 Units)	\$ 2,987,000	\$ 2,182,247	\$ -	\$ 2,389,600	\$ 597,400	ALP/MPU
15	2025	T-Hangar #2 Building Construction (8 Units)	\$ 776,000	\$ 504,000	\$ -	\$ -	\$ 776,000	ALP/MPU
16	2027	Corporate Hangar #2 Site Construction (1 Unit 150' x 150')	\$ 2,195,000	\$ 1,318,441	\$ -	\$ 1,756,000	\$ 439,000	ALP/MPU
17	2027	Corporate Hangar #2 Building Construction (1 Unit 150' x 150')	\$ 1,515,000	\$ 910,000	\$ -	\$ -	\$ 1,515,000	ALP/MPU
18	2030	T-Hangar #3 Site Construction (8 Units)	\$ 4,087,000	\$ 2,182,247	\$ -	\$ 3,269,600	\$ 817,400	ALP/MPU
19	2030	T-Hangar #3 Building Construction (8 Units)	\$ 1,573,000	\$ 840,000	\$ -	\$ -	\$ 1,573,000	ALP/MPU
20	2035	T-Hangar #4 Site Construction (8 Units)	\$ 3,108,000	\$ 1,363,904	\$ -	\$ 2,486,400	\$ 621,600	ALP/MPU
21	2035	T-Hangar #4 Building Construction (8 Units)	\$ 1,148,000	\$ 504,000	\$ -	\$ -	\$ 1,148,000	ALP/MPU
22	2035	Corporate Hangar Site Construction (2 Units 70' x 70')	\$ 6,216,000	\$ 2,727,808	\$ -	\$ 4,972,800	\$ 1,243,200	ALP/MPU
23	2035	Corporate Hangar Building Construction (2 Units 70' x 70')	\$ 638,000	\$ 280,000	\$ -	\$ -	\$ 638,000	ALP/MPU
24	2040	T-Hangar #5 Site Construction (10 Units)	\$ 3,781,000	\$ 1,363,904	\$ -	\$ 3,024,800	\$ 756,200	ALP/MPU
25	2040	T-Hangar #5 Building Construction (10 Units)	\$ 1,747,000	\$ 630,000	\$ -	\$ -	\$ 1,747,000	ALP/MPU
26	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	ALP/MPU

Total Project Cost at Airport	\$55,411,000	\$34,979,305
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Project Cost Totals by Contribution		
Federal Contribution	41.3%	\$ 22,902,300
State Contribution	36.1%	\$ 20,028,560
Airport Contribution	22.5%	\$ 12,480,140
Total		\$ 55,411,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 23,426,000	\$ 106,000	\$ 29,909,000	\$ 1,165,000	\$ -	\$ 805,000	\$ -	\$ -	\$ -	
42.3%	0.2%	54.0%	2.1%	0.0%	1.5%	0.0%	0.0%	0.0%	

Airport Code	BCB
Airport Name	Virginia Tech-Montgomery Executive
Airport Region	1
Airport Category	Community
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2014	Runway 12-30 Extension (Design)	\$ 867,000	\$ 866,641	\$ 780,300	\$ 69,360	\$ 17,340	Design Cost Estimate by Campbell & Paris
2	2015	Corporate Hangar #2 Site Preparation (Construction)	\$ 1,041,000	\$ 1,014,745	\$ 936,900	\$ 83,280	\$ 20,820	ACIP
3	2015	Research Center Drive & Huckleberry Trail Relocation	\$ 4,024,000	\$ 3,922,416	\$ 3,621,600	\$ 321,920	\$ 80,480	ACIP
4	2015	Runway Extension Phase 1 (Construction)	\$ 2,816,000	\$ 2,744,160	\$ 2,534,400	\$ 225,280	\$ 56,320	ACIP
5	2015	T-Hangar Site Preparation (Construction)	\$ 1,026,000	\$ 999,671	\$ 923,400	\$ 82,080	\$ 20,520	ACIP
6	2016	Fuel Farm Relocation (Design)	\$ 95,000	\$ 90,000	\$ 85,500	\$ 7,600	\$ 1,900	ACIP
7	2016	Runway Extension Phase 2 (Construction)	\$ 7,018,000	\$ 6,666,666	\$ 6,316,200	\$ 561,440	\$ 140,360	ACIP
8	2017	Fuel Farm Relocation (Construction)	\$ 304,000	\$ 270,000	\$ 273,600	\$ 24,320	\$ 6,080	ACIP
9	2017	Runway Extension Phase 3 (Construction)	\$ 7,499,000	\$ 6,666,666	\$ 6,749,100	\$ 599,920	\$ 149,980	ACIP
10	2018	Land Acquisition Phase 1	\$ 3,835,000	\$ 3,278,087	\$ 3,451,500	\$ 306,800	\$ 76,700	ACIP
11	2018	Runway Extension Phase 4 (Construction)	\$ 3,964,000	\$ 3,388,579	\$ 3,567,600	\$ 317,120	\$ 79,280	ACIP
12	2019	Land Acquisition Phase 2	\$ 8,111,000	\$ 6,666,666	\$ 7,299,900	\$ 648,880	\$ 162,220	ACIP
13	2020	Land Acquisition Phase 3	\$ 1,690,000	\$ 1,335,247	\$ 1,521,000	\$ 135,200	\$ 33,800	ACIP
14	2020	Terminal Apron Expansion - Phase 3 (Design)	\$ 221,000	\$ 175,000	\$ 198,900	\$ 17,680	\$ 4,420	MPU/ALP
15	2021	Terminal Apron Expansion - Phase 3 (Construction)	\$ 5,871,000	\$ 5,204,858	\$ 5,283,900	\$ 469,680	\$ 117,420	MPU/ALP
16	2021	Perimeter Road (Design)	\$ 276,000	\$ 210,000	\$ 248,400	\$ 22,080	\$ 5,520	MPU/ALP
17	2022	Perimeter Road (Construction)	\$ 3,449,000	\$ 2,520,000	\$ 3,104,100	\$ 275,920	\$ 68,980	MPU/ALP
18	2023	Terminal Building Expansion	\$ 1,196,000	\$ 840,000	\$ -	\$ 621,920	\$ 574,080	MPU/ALP
19	2023	Terminal Parking Lot Expansion	\$ 166,000	\$ 116,480	\$ 149,400	\$ 13,280	\$ 3,320	MPU/ALP
20	2028	New Hangars/Storage Facility Site Construction	\$ 4,724,000	\$ 2,727,808	\$ -	\$ 3,779,200	\$ 944,800	MPU/ALP
21	2023	New Hangars/Storage Facility Building Construction (Old Hokie Hangar Location)	\$ 399,000	\$ 280,000	\$ -	\$ -	\$ 399,000	MPU/ALP
22	2023	Self-Serve Fuel and Wash Rack	\$ 299,000	\$ 210,000	\$ 269,100	\$ 23,920	\$ 5,980	MPU/ALP
23	2028	Terminal Apron Expansion - Phase 4	\$ 7,896,000	\$ 4,559,811	\$ 7,106,400	\$ 631,680	\$ 157,920	MPU/ALP
24	2028	Corporate Hangar #3 Site Construction	\$ 2,362,000	\$ 1,363,904	\$ 2,125,800	\$ 188,960	\$ 47,240	MPU/ALP
25	2028	Corporate Hangar #3 Building Construction	\$ 242,000	\$ 140,000	\$ -	\$ -	\$ 242,000	MPU/ALP
26	2030	Executive Hangars Site Construction	\$ 2,555,000	\$ 1,363,904	\$ 2,299,500	\$ 204,400	\$ 51,100	MPU/ALP
27	2030	Executive Hangars Building Construction	\$ 262,000	\$ 140,000	\$ -	\$ -	\$ 262,000	MPU/ALP
28	2030	Relocate AWOS	\$ 328,000	\$ 175,000	\$ 295,200	\$ 26,240	\$ 6,560	MPU/ALP
29	2030	Terminal Apron Expansion - Phase 5	\$ 27,496,000	\$ 14,680,368	\$ 24,746,400	\$ 2,199,680	\$ 549,920	MPU/ALP
30	2032	T-Hangars Site Construction (30 Units)	\$ 16,578,000	\$ 8,183,425	\$ 14,920,200	\$ 1,326,240	\$ 331,560	MPU/ALP
31	2032	T-Hangars Building Construction (30 Units)	\$ 3,829,000	\$ 1,890,000	\$ -	\$ -	\$ 3,829,000	MPU/ALP
32	2030	Relocate Rotating Beacon	\$ 131,000	\$ 70,000	\$ 117,900	\$ 10,480	\$ 2,620	MPU/ALP
33	2035	Group Hangars Site Construction (8 Units)	\$ 4,973,000	\$ 2,182,247	\$ 4,475,700	\$ 397,840	\$ 99,460	MPU/ALP
34	2035	Group Hangars Building Construction (8 Units)	\$ 2,552,000	\$ 1,120,000	\$ -	\$ -	\$ 2,552,000	MPU/ALP
35	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	Facilities Requirements
36	2020	Parallel Taxiway Rehabilitation	\$ 1,860,000	\$ 1,470,000	\$ 1,674,000	\$ 148,800	\$ 37,200	Facilities Requirements

Total Project Cost at Airport \$130,031,000 \$87,592,350

Project Cost Totals by Contribution		
Federal Contribution	80.8%	\$ 105,075,900
State Contribution	10.6%	\$ 13,741,200
Airport Contribution	8.6%	\$ 11,213,900
Total		\$ 130,031,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 79,144,000	\$ 1,884,000	\$ 39,892,000	\$ 7,915,000	\$ -	\$ -	\$ -	\$ 1,196,000	\$ -
60.9%	1.4%	30.7%	6.1%	0.0%	0.0%	0.0%	0.9%	0.0%

Airport Code	AKQ
Airport Name	Wakefield Municipal
Airport Region	6
Airport Category	Community
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Airport Layout Plan Update	\$ 25,000	\$ 24,000	\$ -	\$ 20,000	\$ 5,000	ACIP
2	2015	Fuel Farm Containment Area - Construction	\$ 185,000	\$ 180,000	\$ -	\$ 148,000	\$ 37,000	ACIP
3	2016	Apron Rehabilitation (Design)	\$ 57,000	\$ 54,000	\$ -	\$ 45,600	\$ 11,400	ACIP
4	2016	Apron Rehabilitation (Construction)	\$ 284,000	\$ 270,000	\$ -	\$ 227,200	\$ 56,800	ACIP
5	2017	Western Land Acquisition - Land Services	\$ 34,000	\$ 30,000	\$ -	\$ 27,200	\$ 6,800	ACIP
6	2018	Western Land Acquisition / Land Swap	\$ 35,000	\$ 30,000	\$ -	\$ 28,000	\$ 7,000	ACIP
7	2024	Parallel Taxiway Construction	\$ 4,611,000	\$ 3,115,126	\$ -	\$ 3,688,800	\$ 922,200	ALP
8	TBD	Corporate Hangar Site Construction (5 Units 60' x 60')	\$ 2,337,000	\$ 1,578,976	\$ -	\$ 1,869,600	\$ 467,400	ALP
9	TBD	Corporate Hangar Building Construction (5 Units 60' x 60')	\$ 1,036,000	\$ 700,000	\$ -	\$ -	\$ 1,036,000	ALP
10	TBD	Instrument Improvements (REILs & PAPI - RW 2 & RW 20)	\$ 414,000	\$ 280,000	\$ -	\$ 331,200	\$ 82,800	Facilities Requirements
11	TBD	Communication Improvements (GCO)	\$ 124,000	\$ 84,000	\$ -	\$ -	\$ 124,000	Facilities Requirements
12	TBD	Apron Area Expansion (18,484 SY)	\$ 5,553,000	\$ 3,751,476	\$ -	\$ 4,442,400	\$ 1,110,600	Facilities Requirements
13	TBD	Terminal Expansion (1692 SF)	\$ 1,052,000	\$ 710,640	\$ -	\$ 547,040	\$ 504,960	Facilities Requirements
14	TBD	Auto Parking Expansion (27 Spaces)	\$ 145,000	\$ 98,280	\$ -	\$ -	\$ 145,000	Facilities Requirements
15	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
16	TBD	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
17	TBD	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
18	TBD	Add Part Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
19	TBD	Pavement Rehabilitation (Taxiway & Taxilane)	\$ 2,590,000	\$ 1,750,000	\$ -	\$ 2,072,000	\$ 518,000	Facilities Requirements
20	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
21	TBD	RPZ Land Acquisition (15.6 Acres Fee Simple)	\$ 300,000	\$ 202,800	\$ -	\$ 240,000	\$ 60,000	Facilities Requirements
22	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
23	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$22,105,000	\$15,104,298				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	63.2%	\$ 13,976,640
Airport Contribution	36.8%	\$ 8,128,360
Total		\$ 22,105,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 14,011,000	\$ 538,000	\$ 6,334,000	\$ 145,000	\$ -	\$ 25,000	\$ -	\$ 1,052,000	\$ -
63.4%	2.4%	28.7%	0.7%	0.0%	0.1%	0.0%	4.8%	0.0%

Airport Code	JGG
Airport Name	Williamsburg-Jamestown
Airport Region	7
Airport Category	Community
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Install Elevator in Terminal Building	\$ 92,000	\$ 90,000	\$ -	\$ 47,840	\$ 44,160	ACIP
2	2015	Wash Rack (Design)	\$ 31,000	\$ 30,000	\$ -	\$ 24,800	\$ 6,200	ACIP
3	2016	South Access Road Environmental Assessment	\$ 76,000	\$ 72,000	\$ -	\$ 60,800	\$ 15,200	ACIP
4	2016	Taxiway /Apron Rehabilitation (Design)	\$ 95,000	\$ 90,000	\$ -	\$ 76,000	\$ 19,000	ACIP
5	2016	Wash Rack (Construction)	\$ 126,000	\$ 120,000	\$ -	\$ 100,800	\$ 25,200	ACIP
6	2017	Taxiway/Apron rehabilitation (Construction)	\$ 675,000	\$ 600,000	\$ -	\$ 540,000	\$ 135,000	ACIP
7	2017	T-Hangar No. 2 Site (Design)	\$ 81,000	\$ 72,000	\$ -	\$ 64,800	\$ 16,200	ACIP
8	2018	Terminal Building Expansion Study	\$ 40,000	\$ 36,000	\$ -	\$ 20,800	\$ 19,200	ACIP
9	2018	T-Hangar No. 2 Site (Construction)	\$ 491,000	\$ 420,000	\$ -	\$ 392,800	\$ 98,200	ACIP
10	2019	Terminal Building Expansion (Design)	\$ 91,000	\$ 75,000	\$ -	\$ 47,320	\$ 43,680	ACIP
11	2020	Terminal Building Expansion (Construction)	\$ 456,000	\$ 360,000	\$ -	\$ 237,120	\$ 218,880	ACIP
12	TBD	T-Hangar Site Construction (22 Units)	\$ 10,207,000	\$ 6,895,258	\$ -	\$ 8,165,600	\$ 2,041,400	ALP
13	TBD	T-Hangar Building Construction (22 Units)	\$ 2,052,000	\$ 1,386,000	\$ -	\$ -	\$ 2,052,000	ALP
14	TBD	Corporate Hangar Site Construction (8 Units 60' x 60')	\$ 4,949,000	\$ 3,343,155	\$ -	\$ 3,959,200	\$ 989,800	ALP
15	TBD	Corporate Hangar Building Construction (8 Units 60' x 60')	\$ 1,658,000	\$ 1,120,000	\$ -	\$ -	\$ 1,658,000	ALP
16	TBD	Apron Area Expansion (52,244)	\$ 20,770,000	\$ 14,031,485	\$ -	\$ 16,616,000	\$ 4,154,000	ALP
17	TBD	Instrumentation Improvements (PAPI-RW 13 & RW 31)	\$ 207,000	\$ 140,000	\$ -	\$ 165,600	\$ 41,400	Facilities Requirements
18	TBD	Terminal Building Expansion (1857 SF)	\$ 1,136,000	\$ 767,340	\$ -	\$ 590,720	\$ 545,280	Facilities Requirements
19	TBD	Auto Parking Expansion (27 Spaces)	\$ 145,000	\$ 98,280	\$ -	\$ 116,000	\$ 29,000	Facilities Requirements
20	TBD	Fuel Improvements (24/7)	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
21	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
22	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
23	TBD	Pavement Improvements (Taxiway & Apron)	\$ 18,477,000	\$ 12,482,260	\$ -	\$ 14,781,600	\$ 3,695,400	Facilities Requirements
24	TBD	RPZ Land Acquisition (7.0 Acres Fee Simple)	\$ 135,000	\$ 91,000	\$ -	\$ 108,000	\$ 27,000	Facilities Requirements
Total Project Cost at Airport			\$62,220,000	\$42,474,777				

Contribution	Percentage	Amount
Federal Contribution	0.0%	\$ -
State Contribution	74.2%	\$ 46,157,400
Airport Contribution	25.8%	\$ 16,062,600
Total		\$ 62,220,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 40,361,000	\$ 207,000	\$ 19,616,000	\$ 145,000	\$ -	\$ 76,000	\$ -	\$ 1,815,000	\$ -
64.9%	0.3%	31.5%	0.2%	0.0%	0.1%	0.0%	2.9%	0.0%

Development Costs for Local Service Airports

Airport Code	VBW
Airport Name	Bridgewater Air Park
Airport Region	2
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Obstruction Removal - Runway 15 - Construction	\$ 106,000	\$ 103,200	\$ -	\$ 84,800	\$ 21,200	ACIP
2	TBD	Add On-Site Weather Reporting	\$ 259,000	\$ 175,000	\$ -	\$ 207,200	\$ 51,800	Facilities Requirements
3	TBD	Terminal Expansion (1611 SF)	\$ 1,002,000	\$ 676,620	\$ -	\$ -	\$ 1,002,000	Facilities Requirements
4	TBD	Auto Parking Expansion (81 Spaces)	\$ 436,000	\$ 294,840	\$ -	\$ -	\$ 436,000	Facilities Requirements
5	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
6	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
7	TBD	Terminal/Pilot Service Improvements (Shelter & Restroom)	\$ 73,000	\$ 49,000	\$ -	\$ -	\$ 73,000	Facilities Requirements
8	TBD	Pavement Rehab (Taxiway & Apron)	\$ 2,891,000	\$ 1,953,140	\$ -	\$ 2,312,800	\$ 578,200	Facilities Requirements
9	TBD	RPZ Land Acquisition (Fee Simple)	\$ 19,000	\$ 13,000	\$ -	\$ -	\$ 19,000	Facilities Requirements
10	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
11	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$5,119,000	\$3,489,800				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	54.1%	\$ 2,852,800
Airport Contribution	45.9%	\$ 2,421,200
Total		\$ 5,274,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 3,326,000	\$ 437,000	\$ -	\$ 436,000	\$ -	\$ -	\$ -	\$ 1,075,000	\$ -
63.1%	8.3%	0.0%	8.3%	0.0%	0.0%	0.0%	20.4%	0.0%

Airport Code	CXE
Airport Name	Chase City Municipal
Airport Region	6
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Obstruction Removal	\$ 6,000	\$ 5,400	\$ -	\$ 4,800	\$ 1,200	ACIP
2	2016	Resurface Runway	\$ 253,000	\$ 240,000	\$ -	\$ 202,400	\$ 50,600	ACIP
3	TBD	Add Stub Taxiway	\$ 1,554,000	\$ 1,050,000	\$ -	\$ -	\$ 1,554,000	Facilities Requirements
4	TBD	Terminal Expansion (1611 SF)	\$ 1,002,000	\$ 676,620	\$ -	\$ -	\$ 1,002,000	Facilities Requirements
5	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
6	TBD	Fuel Improvements (Avgas)	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
7	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
8	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
9	TBD	Add Part-time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
10	TBD	Terminal/Pilot Service Improvements (Shelter, Restroom, & Phone)	\$ 83,000	\$ 56,000	\$ -	\$ -	\$ 83,000	Facilities Requirements
11	TBD	Utility Improvements (Electrical)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
12	TBD	Pavement Rehabilitation (Taxiway & Apron)	\$ 2,220,000	\$ 1,499,960	\$ -	\$ 1,776,000	\$ 444,000	Facilities Requirements
13	TBD	RPZ Land Acquisition (7.5 Acres Fee Simple)	\$ 144,000	\$ 97,500	\$ -	\$ -	\$ 144,000	Facilities Requirements
14	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
15	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$8,595,000	\$5,877,480				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	26.4%	\$ 2,272,800
Airport Contribution	73.6%	\$ 6,322,200
Total		\$ 8,595,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 4,543,000	\$ -	\$ 2,961,000	\$ -	\$ 6,000	\$ -	\$ -	\$ 1,085,000	\$ -
52.9%	0.0%	34.5%	0.0%	0.1%	0.0%	0.0%	12.6%	0.0%

Airport Code	W81
Airport Name	Crewe Municipal
Airport Region	5
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	TBD	Primary Runway Strength Improvements (500 lbs)	\$ 1,094,000	\$ 739,200	\$ -	\$ 875,200	\$ 218,800	Facilities Requirements
2	TBD	Visual Aid Improvements (Rotating Beacon)	\$ 104,000	\$ 70,000	\$ -	\$ 83,200	\$ 20,800	Facilities Requirements
3	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
4	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
5	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
6	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
7	TBD	Pavement Rehab (Apron)	\$ 981,000	\$ 662,480	\$ -	\$ 784,800	\$ 196,200	Facilities Requirements
8	TBD	RPZ Land Acquisition (5.1 Acres Fee Simple)	\$ 98,000	\$ 66,300	\$ -	\$ -	\$ 98,000	Facilities Requirements
9	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
10	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
11	TBD	Terminal / Pilot Services (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
Total Project Cost at Airport			\$5,558,000	\$3,754,980				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	35.8%	\$ 1,991,200
Airport Contribution	64.2%	\$ 3,566,800
Total		\$ 5,558,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 2,483,000	\$ 104,000	\$ 2,971,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44.7%	1.9%	53.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Airport Code	W24
Airport Name	Falwell
Airport Region	5
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
2	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
3	TBD	RPZ Land Acquisition (Fee Simple)	\$ 19,000	\$ 13,000	\$ -	\$ -	\$ 19,000	Facilities Requirements
4	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
5	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$470,000	\$318,000				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	61.6%	\$ 289,600
Airport Contribution	38.4%	\$ 180,400
Total		\$ 470,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 381,000	\$ -	\$ 89,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81.1%	0.0%	18.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Airport Code	GVE
Airport Name	Gordonsville Municipal
Airport Region	2
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2022	Fuel Tank Installation (10,000 Gal)	\$ 602,000	\$ 490,000	\$ -	\$ 481,600	\$ 120,400	ALP
2	2022	T-Hangar Site Construction (21 Units)	\$ 7,044,000	\$ 5,736,225	\$ -	\$ 5,635,200	\$ 1,408,800	ALP
3	TBD	T-Hangar Building Construction (21 Units)	\$ 1,625,000	\$ 1,323,000	\$ -	\$ -	\$ 1,625,000	ALP
4	TBD	New Terminal (1611 SF)	\$ 1,002,000	\$ 676,620	\$ -	\$ -	\$ 1,002,000	Facilities Requirements
5	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ 46,280	\$ 42,720	Facilities Requirements
6	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
7	TBD	Pavement Rehab (Runway, Taxiway, & Apron)	\$ 3,661,000	\$ 2,473,310	\$ -	\$ -	\$ 3,661,000	Facilities Requirements
8	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
9	TBD	RPZ Land Acquisition (3.8 Acres Fee Simple)	\$ 73,000	\$ 49,400	\$ -	\$ -	\$ 73,000	Facilities Requirements
10	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
11	TBD	Utility Improvements (Water, Sewer, Hardwired Internet, Wi-Fi)	\$ 41,000	\$ 28,000	\$ -	\$ -	\$ 41,000	Facilities Requirements
Total Project Cost at Airport			\$14,433,000	\$11,036,555				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	43.8%	\$ 6,328,680
Airport Contribution	56.2%	\$ 8,104,320
Total		\$ 14,433,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024)

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 3,941,000	\$ -	\$ 9,490,000	\$ -	\$ -	\$ -	\$ -	\$ 1,002,000	\$ -
27.3%	0.0%	65.8%	0.0%	0.0%	0.0%	0.0%	6.9%	0.0%

Airport Code	GDY
Airport Name	Grundy Municipal (Replacement)
Airport Region	1
Airport Category	Local
NPIAS	Y

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Replacement Airport - Design	\$ 1,539,000	\$ 1,500,000	\$ 1,385,100	\$ 123,120	\$ 30,780	ACIP
2	2016	Replacement Airport - Phase I - Construction	\$ 8,842,000	\$ 8,400,000	\$ 7,957,800	\$ 707,360	\$ 176,840	ACIP
3	2016	Terminal Building Study	\$ 38,000	\$ 36,000	\$ -	\$ 30,400	\$ 7,600	ACIP
4	2017	Replacement Airport - Phase II - Construction	\$ 9,449,000	\$ 8,400,000	\$ 8,504,100	\$ 755,920	\$ 188,980	ACIP
5	2017	Terminal Building - Design	\$ 202,000	\$ 180,000	\$ -	\$ 161,600	\$ 40,400	ACIP
6	2018	T-Hangar Site - Design	\$ 42,000	\$ 36,000	\$ 37,800	\$ 3,360	\$ 840	ACIP
7	2019	Terminal Building - Construction	\$ 934,000	\$ 768,000	\$ -	\$ 485,680	\$ 448,320	ACIP
8	2019	T-Hangar Site - Construction	\$ 438,000	\$ 360,000	\$ 394,200	\$ 35,040	\$ 8,760	ACIP
9	2020	T-Hangar Building (10 Units) - Construction	\$ 759,000	\$ 600,000	\$ -	\$ -	\$ 759,000	ACIP
10	2021	Fuel Farm	\$ 138,000	\$ 105,000	\$ 124,200	\$ 11,040	\$ 2,760	ALP
11	2021	AWOS	\$ 230,000	\$ 175,000	\$ 207,000	\$ 18,400	\$ 4,600	ALP
12	2022	Helipads (2)	\$ 170,000	\$ 124,370	\$ 153,000	\$ 13,600	\$ 3,400	ALP
13	2024	Parallel Taxiway (RW 6 End)	\$ 3,169,000	\$ 2,141,177	\$ 2,852,100	\$ 253,520	\$ 63,380	ALP
14	2026	Parallel Taxiway (RW 24 End)	\$ 3,428,000	\$ 2,141,177	\$ 3,085,200	\$ 274,240	\$ 68,560	ALP
15	2028	T-Hangar Site Construction (10 Units)	\$ 4,724,000	\$ 2,727,808	\$ 4,251,600	\$ 377,920	\$ 94,480	ALP
16	2028	T-Hangar Building Construction (10 Units)	\$ 1,091,000	\$ 630,000	\$ -	\$ -	\$ 1,091,000	ALP
17	2030	Clear Span Hangar #1 Site Construction (1 Unit 150' x 150')	\$ 2,117,000	\$ 1,318,441	\$ 1,905,300	\$ 169,360	\$ 42,340	ALP
18	2030	Clear Span Hangar #1 Building Construction (1 Unit 150' x 150')	\$ 225,000	\$ 140,000	\$ -	\$ -	\$ 225,000	ALP
19	2032	Apron Expansion - Phase 1	\$ 3,405,000	\$ 1,680,673	\$ 3,064,500	\$ 272,400	\$ 68,100	ALP
20	2034	Apron Expansion - Phase 2	\$ 1,915,000	\$ 873,950	\$ 1,723,500	\$ 153,200	\$ 38,300	ALP
21	2036	Clear Span Hangar #2 Site Construction (1 Unit 150' x 150')	\$ 3,125,000	\$ 1,318,441	\$ 2,812,500	\$ 250,000	\$ 62,500	ALP
22	2036	Clear Span Hangar #2 Building Construction (1 Unit 150' x 150')	\$ 332,000	\$ 140,000	\$ -	\$ -	\$ 332,000	ALP
23	2038	Apron Expansion - Phase 3	\$ 2,240,000	\$ 873,950	\$ 2,016,000	\$ 179,200	\$ 44,800	ALP
24	2024	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	ALP
25	2020	Aircraft Rental Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	ALP
26	2020	Aircraft Charter Service	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	ALP
27	2020	Add Part-Time Flight Training	\$ 76,000	\$ 60,000	\$ -	\$ -	\$ 76,000	ALP
28	2024	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements
29	2024	ROFA Improvements	\$ 155,000	\$ 105,000	\$ 139,500	\$ 12,400	\$ 3,100	Facilities Requirements

Total Project Cost at Airport	\$51,784,000	\$36,879,988
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Project Cost Totals by Contribution		
Federal Contribution	78.7%	\$ 40,752,900
State Contribution	8.3%	\$ 4,300,160
Airport Contribution	13.0%	\$ 6,730,940
Total		\$ 51,784,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 34,467,000	\$ 230,000	\$ 15,913,000	\$ -	\$ -	\$ -	\$ -	\$ 1,174,000	\$ -	
66.6%	0.4%	30.7%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	

Airport Code	W75
Airport Name	Hummel Field
Airport Region	7
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	TBD	T-Hangar Site Construction (42 Units)	\$ 19,485,000	\$ 13,163,674	\$ -	\$ 15,588,000	\$ 3,897,000	ALP
2	TBD	T-Hangar Building Construction (42 Units)	\$ 3,917,000	\$ 2,646,000	\$ -	\$ -	\$ 3,917,000	ALP
3	TBD	Corporate Hangar Site Construction (16 Units 60' x 60')	\$ 9,897,000	\$ 6,686,310	\$ -	\$ 7,917,600	\$ 1,979,400	ALP
4	TBD	Corporate Hangar Building Construction (16 Units 60' x 60')	\$ 3,316,000	\$ 2,240,000	\$ -	\$ -	\$ 3,316,000	ALP
5	TBD	Apron Expansion (8570 SY)	\$ 3,407,000	\$ 2,301,696	\$ -	\$ -	\$ 3,407,000	ALP
6	TBD	Auto Parking Expansion (112 Spaces)	\$ 603,000	\$ 407,680	\$ -	\$ -	\$ 603,000	ALP
7	TBD	Proposed Turf Runway (3,700' x 100')	\$ 2,019,000	\$ 1,364,063	\$ -	\$ -	\$ 2,019,000	ALP
8	TBD	Proposed Turf Taxiway (3,700' x 40')	\$ 808,000	\$ 545,612	\$ -	\$ -	\$ 808,000	ALP
9	TBD	Add Part Time Flight Training	\$ 104,000	\$ 70,000	\$ -	\$ -	\$ 104,000	Facilities Requirements
10	TBD	Pavement Improvements (Taxiway)	\$ 1,554,000	\$ 1,050,000	\$ -	\$ 1,243,200	\$ 310,800	Facilities Requirements
11	TBD	RPZ Land Acquisition (7 Acres Fee Simple)	\$ 135,000	\$ 91,000	\$ -	\$ -	\$ 135,000	Facilities Requirements
12	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$45,400,000	\$30,671,035				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	54.8%	\$ 24,872,800
Airport Contribution	45.2%	\$ 20,527,200
Total		\$ 45,400,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category									
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other	
\$ 8,078,000	\$ -	\$ 36,719,000	\$ 603,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17.8%	0.0%	80.9%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Airport Code	7W4
Airport Name	Lake Anna
Airport Region	4
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	ALP & Airport Property Map Update	\$ 62,000	\$ 60,000	\$ -	\$ 49,600	\$ 12,400	ACIP
2	2016	Acquire Land	\$ 32,000	\$ 30,000	\$ -	\$ -	\$ 32,000	ACIP
3	2017	Obstruction Removal	\$ 1,012,000	\$ 900,000	\$ -	\$ 809,600	\$ 202,400	ACIP
4	TBD	Install VASI	\$ 104,000	\$ 70,000	\$ -	\$ 83,200	\$ 20,800	ALP
5	TBD	Construct New Terminal Building	\$ 4,145,000	\$ 2,800,000	\$ -	\$ 2,155,400	\$ 1,989,600	ALP
6	TBD	Runway Extension (440' x 50')	\$ 799,000	\$ 539,723	\$ -	\$ -	\$ 799,000	ALP
7	TBD	T-Hangar Site Construction (7 Units)	\$ 2,436,000	\$ 1,645,459	\$ -	\$ 1,948,800	\$ 487,200	ALP
8	TBD	T-Hangar Building Construction (7 Units)	\$ 653,000	\$ 441,000	\$ -	\$ -	\$ 653,000	ALP
9	TBD	Corporate Hangar Site Construction (2 Units 80' x 80')	\$ 1,289,000	\$ 870,526	\$ -	\$ 1,031,200	\$ 257,800	ALP
10	TBD	Corporate Hangar Building Construction (2 Units 80' x 80')	\$ 414,000	\$ 280,000	\$ -	\$ -	\$ 414,000	ALP
11	TBD	Maintenance Hangar Site Construction (1 Units 40' x 40')	\$ 336,000	\$ 227,230	\$ -	\$ 268,800	\$ 67,200	ALP
12	TBD	Maintenance Hangar Building Construction (1 Unit 40' x 40')	\$ 207,000	\$ 140,000	\$ -	\$ -	\$ 207,000	ALP
13	TBD	Primary Runway Strength Improvements (6,500 lbs)	\$ 707,000	\$ 477,859	\$ -	\$ 565,600	\$ 141,400	Facilities Requirements
14	TBD	Install Wind Cone	\$ 21,000	\$ 14,000	\$ -	\$ 16,800	\$ 4,200	Facilities Requirements
15	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
16	TBD	Fuel Improvements (Avgas)	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
17	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
18	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
19	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
20	TBD	Terminal/Pilot Services (Shelter, Restroom, & Phone)	\$ 83,000	\$ 56,000	\$ -	\$ -	\$ 83,000	Facilities Requirements
21	TBD	Utility Improvements (Electricity)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
22	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
23	TBD	RPZ Land Acquisition (12 Acres Fee Simple)	\$ 231,000	\$ 156,000	\$ -	\$ -	\$ 231,000	Facilities Requirements
24	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
25	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$15,916,000	\$10,994,798				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	45.6%	\$ 7,260,200
Airport Contribution	54.4%	\$ 8,655,800
Total		\$ 15,916,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 3,247,000	\$ 31,000	\$ 8,348,000	\$ -	\$ -	\$ 62,000	\$ -	\$ 4,228,000	\$ -
20.4%	0.2%	52.5%	0.0%	0.0%	0.4%	0.0%	26.6%	0.0%

Airport Code	LVL
Airport Name	Lawrenceville-Brunswick Municipal
Airport Region	6
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2016	Runway & Apron Rehabilitation - Bidding & Construction	\$ 979,000	\$ 930,000	\$ -	\$ 783,200	\$ 195,800	ACIP
2	2024	Add Stub Taxiway	\$ 1,554,000	\$ 1,050,000	\$ -	\$ -	\$ 1,554,000	Facilities Requirements
3	2024	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
4	2024	Aircraft Rental Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
5	2024	Aircraft Charter Services	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
6	2024	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
7	2024	Terminal/Pilot Service Improvements (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
8	2024	Pavement Rehab (Taxiway)	\$ 1,554,000	\$ 1,050,000	\$ -	\$ 1,243,200	\$ 310,800	Facilities Requirements
9	TBD	RPZ Land Acquisition (14.7 Acres Fee Simple)	\$ 283,000	\$ 191,100	\$ -	\$ -	\$ 283,000	Facilities Requirements
10	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$7,496,000	\$5,333,100				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	28.7%	\$ 2,150,400
Airport Contribution	71.3%	\$ 5,345,600
Total		\$ 7,496,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 4,525,000	\$ -	\$ 2,961,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -
60.4%	0.0%	39.5%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%

Airport Code	W31
Airport Name	Lunenburg County
Airport Region	6
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE

Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	Runway and Apron Rehabilitation (Design)	\$ 31,000	\$ 30,000	\$ -	\$ 24,800	\$ 6,200	ACIP
2	2015	Install REILS & MITL Phase 1 (RW 2 & RW 20)	\$ 291,000	\$ 280,000	\$ -	\$ 232,800	\$ 58,200	ALP
3	2015	Corporate Hangar Site Design - Phase 1 (1 Unit 100' x 100')	\$ 376,000	\$ 361,532	\$ -	\$ 300,800	\$ 75,200	ALP
4	2015	Corporate Hangar Building Construction - Phase 1 (1 Unit 100' x 100')	\$ 146,000	\$ 140,000	\$ -	\$ -	\$ 146,000	ALP
5	2015	Apron Expansion - Phase 1 (2,289 SY)	\$ 483,000	\$ 464,571	\$ -	\$ -	\$ 483,000	ALP
6	2016	Runway and Apron Rehabilitation (Construction)	\$ 1,390,000	\$ 1,320,000	\$ -	\$ 1,112,000	\$ 278,000	ACIP
7	2018	Terminal Roof Replacement	\$ 39,000	\$ 33,600	\$ -	\$ 20,280	\$ 18,720	ACIP
8	2018	Corporate Hangar Site Design - Phase 2 (1 Unit 100' x 100')	\$ 423,000	\$ 361,532	\$ -	\$ 338,400	\$ 84,600	ALP
9	2018	Corporate Hangar Building Construction - Phase 2 (1 Unit 100' x 100')	\$ 164,000	\$ 140,000	\$ -	\$ -	\$ 164,000	ALP
10	2018	Apron Expansion - Phase 2 (2,289 SY)	\$ 543,000	\$ 464,571	\$ -	\$ -	\$ 543,000	ALP
11	TBD	Runway Extension (600' x 60')	\$ 1,317,000	\$ 890,036	\$ -	\$ -	\$ 1,317,000	ALP
12	TBD	RPZ Land Acquisition (7.4 Acres Fee Simple)	\$ 54,000	\$ 36,400	\$ -	\$ -	\$ 54,000	ALP
13	TBD	Terminal Expansion (1611 SF)	\$ 1,002,000	\$ 676,620	\$ -	\$ -	\$ 1,002,000	Facilities Requirements
14	TBD	Add Limited Service FBO	\$ 2,694,000	\$ 1,820,000	\$ -	\$ -	\$ 2,694,000	Facilities Requirements
15	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
16	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
17	TBD	Pavement Rehab (Taxiway)	\$ 1,554,000	\$ 1,050,000	\$ -	\$ 1,243,200	\$ 310,800	Facilities Requirements
18	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
19	TBD	Terminal / Pilot Services (Add Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
Total Project Cost at Airport			\$10,850,000	\$8,300,863				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	31.3%	\$ 3,396,280
Airport Contribution	68.7%	\$ 7,453,720
Total		\$ 10,850,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 5,527,000	\$ 291,000	\$ 3,991,000	\$ -	\$ -	\$ -	\$ -	\$ 1,041,000	\$ -
50.9%	2.7%	36.8%	0.0%	0.0%	0.0%	0.0%	9.6%	0.0%

Airport Code	W90
Airport Name	New London
Airport Region	5
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	TBD	Visual Aid Improvements (Rotating Beacon)	\$ 104,000	\$ 70,000	\$ -	\$ 83,200	\$ 20,800	Facilities Requirements
2	TBD	Auto Parking Expansion (44 Spaces)	\$ 237,000	\$ 160,160	\$ -	\$ -	\$ 237,000	Facilities Requirements
3	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
4	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
5	TBD	RPZ Land Acquisition (Fee Simple)	\$ 19,000	\$ 13,000	\$ -	\$ -	\$ 19,000	Facilities Requirements
6	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
7	TBD	ALP and Master Plan Update	\$ 799,000	\$ 540,000	\$ -	\$ -	\$ 799,000	Facilities Requirements
8	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ -	\$ 155,000	Facilities Requirements
9	TBD	Airport Lighting System	\$ 1,066,000	\$ 700,000	\$ -	\$ -	\$ 1,066,000	Facilities Requirements
Total Project Cost at Airport			\$2,676,000	\$1,788,160				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	9.3%	\$ 248,800
Airport Contribution	90.7%	\$ 2,427,200
Total		\$ 2,676,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 1,447,000	\$ 104,000	\$ 89,000	\$ 237,000	\$ -	\$ 799,000	\$ -	\$ -	\$ -
54.1%	3.9%	3.3%	8.9%	0.0%	29.9%	0.0%	0.0%	0.0%

Airport Code	8W2
Airport Name	New Market
Airport Region	2
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	TBD	Terminal/Pilot Service Improvements (Phone)	\$ 10,000	\$ 6,500	\$ -	\$ -	\$ 10,000	Facilities Requirements
2	TBD	Auto Parking Expansion (32 Spaces)	\$ 172,000	\$ 116,480	\$ -	\$ -	\$ 172,000	Facilities Requirements
3	TBD	Pavement Rehab (Runway, Taxiway, & Apron)	\$ 5,305,000	\$ 3,584,035	\$ -	\$ 4,244,000	\$ 1,061,000	Facilities Requirements
4	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
5	TBD	RPZ Land Acquisition (12.8 Acres Fee Simple)	\$ 246,000	\$ 166,400	\$ -	\$ -	\$ 246,000	Facilities Requirements
6	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements

Total Project Cost at Airport	\$5,940,000	\$4,013,415
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Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	74.2%	\$ 4,409,600
Airport Contribution	25.8%	\$ 1,530,400
Total		\$ 5,940,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024)

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 5,758,000	\$ 10,000	\$ -	\$ 172,000	\$ -	\$ -	\$ -	\$ -	\$ -
96.9%	0.2%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%

Airport Code	W91
Airport Name	Smith Mountain Lake
Airport Region	5
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	2015	100LL Fuel Tank Replacement	\$ 49,000	\$ 48,060	\$ -	\$ 39,200	\$ 9,800	ACIP
2	2016	T-Hangar 10-Unit	\$ 320,000	\$ 304,200	\$ -	\$ -	\$ 320,000	ACIP
3	2016	T-Hangar Site Preparation	\$ 32,000	\$ 30,000	\$ -	\$ 25,600	\$ 6,400	ACIP
4	2016	T-Hangar Taxiway	\$ 35,000	\$ 33,600	\$ -	\$ -	\$ 35,000	ACIP
5	2019	Runway Resurfacing and Remarking	\$ 509,000	\$ 418,200	\$ -	\$ 407,200	\$ 101,800	ACIP
7	TBD	Aircraft Rental Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
8	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
9	TBD	Add Part-Time Flight Training	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
10	TBD	Terminal/Pilot Service Improvements (Phone)	\$ 10,000	\$ 7,000	\$ -	\$ -	\$ 10,000	Facilities Requirements
11	TBD	Pavement Rehab (Taxiway)	\$ 1,554,000	\$ 1,050,000	\$ -	\$ 1,243,200	\$ 310,800	Facilities Requirements
12	TBD	RSA Improvements	\$ 52,000	\$ 35,000	\$ -	\$ 41,600	\$ 10,400	Facilities Requirements
13	TBD	RPZ Land Acquisition (Fee Simple)	\$ 19,000	\$ 13,000	\$ -	\$ -	\$ 19,000	Facilities Requirements
14	TBD	Clear Part 77 Approach	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
15	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$3,157,000	\$2,329,060				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	63.5%	\$ 2,004,800
Airport Contribution	36.5%	\$ 1,152,200
Total		\$ 3,157,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 2,019,000	\$ -	\$ 619,000	\$ -	\$ 509,000	\$ -	\$ -	\$ 10,000	\$ -
64.0%	0.0%	19.6%	0.0%	16.1%	0.0%	0.0%	0.3%	0.0%

Airport Code	W13
Airport Name	Waynesboro-Eagle's Nest
Airport Region	2
Airport Category	Local
NPIAS	N

Appendix C - Development Costs

AIRPORT SUMMARY TABLE								
Project Number	Year	Project Name	Project Cost (Escalated)	Project Cost (2014 \$)	Federal	State	Airport	Source
1	TBD	Aircraft Charter Service	\$ 89,000	\$ 60,000	\$ -	\$ -	\$ 89,000	Facilities Requirements
2	TBD	Pavement Rehab (Runway & Taxiway)	\$ 3,289,000	\$ 2,221,905	\$ -	\$ 2,631,200	\$ 657,800	Facilities Requirements
3	TBD	RPZ Land Acquisition (4.7 Acres Fee Simple)	\$ 90,000	\$ 61,100	\$ -	\$ -	\$ 90,000	Facilities Requirements
4	TBD	ROFA Improvements	\$ 155,000	\$ 105,000	\$ -	\$ 124,000	\$ 31,000	Facilities Requirements
Total Project Cost at Airport			\$3,623,000	\$2,448,005				

Project Cost Totals by Contribution		
Federal Contribution	0.0%	\$ -
State Contribution	76.0%	\$ 2,755,200
Airport Contribution	24.0%	\$ 867,800
Total		\$ 3,623,000

Note: TBD indicates project phasing to be determined. In these cases cost escalation based on midpoint of development period (2024).

Project Cost Totals by Project Category								
Airside	F&E	FS&E	Landside	Maintenance	Planning	Security	Terminal	Other
\$ 3,534,000	\$ -	\$ 89,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97.5%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%