2009 Washington-Baltimore Regional Air Passenger Survey

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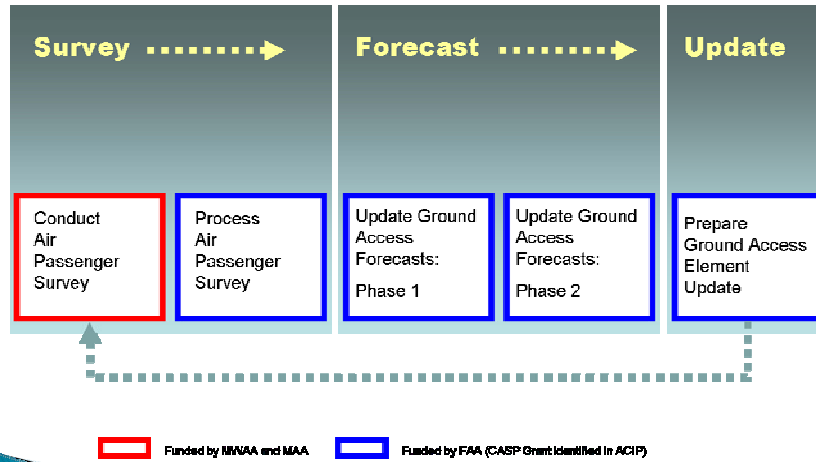*TPB Travel Forecasting Subcommittee*
November 20, 2009

Overview

➢ CASP – Continuous Airport System Planning
   is one of the elements of the TPB's work program.

➢ CASP programs are overseen by the Aviation Technical
   Subcommittee of the TPB Technical Committee.

➢ The Aviation Technical Subcommittee includes
   representatives from MWAA, MAA, DC Government,
   FAA, Virginia Department of Aviation and other
   interested groups.

The CASP Process occurs in three (3) distinct phases, each containing specific projects and milestones.

Survey ········➤ **Forecast** ········➤ **Update**

| Conduct Air Passenger Survey | Process Air Passenger Survey | Update Ground Access Forecasts: Phase 1 | Update Ground Access Forecasts: Phase 2 | Prepare Ground Access Element Update |

Funded by MWAA and MAA   Funded by FAA (CASP Grant identified in ACIP)

2009 Survey Background

➤ The purpose of the Air Passenger Survey is to collect Information about changing travel patterns and user characteristics of air passengers and help determine airport terminal and groundside needs.

➤ COG in conjunction with MWAA and MAA has conducted Air Passenger Surveys in the region for nearly 30 years.

➤ The first was conducted in 1981/82

2nd – 1987	3rd - 1992
4th – 1998	5th – 2000
6th – 2002	7th - 2005
8th – 2007	9th - 2009

➢ At-Gate lobby interview – (voluntary)

➢ Questionnaires distributed and collected before boarding

➢ Airline station personnel make announcement about survey to passengers at gate before questionnaires are distributed

➢ Airline station personnel provided field data collectors number of revenue passengers before departure

➢ Airport management provided field offices at airports

➢ Survey materials delivered to field offices at each airport before survey starting date

5

2009 Air Passenger Survey

➢ A random sample of 679 flights were surveyed (617 Domestic and 62 International)
  ▪ 227 at BWI
  ▪ 208 at DCA and
  ▪ 244 and IAD.

➢ Data collection began Sunday, October 11, and concluded Saturday, October 24.

➢ Re-survey began Sunday, October 25, and ended Saturday, November 7.

6

2009 Washington-Baltimore Regional Air Passenger Survey

A. ABOUT YOUR TRIP TODAY

1. **How did you get to Washington Dulles International Airport for this trip?**
   (Please circle ONE answer)

   a. I came to this airport by GROUND TRANS-PORTATION *(e.g. auto, taxi, Metro, etc.)* *(Please proceed directly to QUESTION #2)*

   b. I was on this flight when it arrived at this airport. *(STOP. That is all the information we need)*

   c. I made a connection at this airport from a DOMESTIC FLIGHT with _____ Airlines. *(Please fill in the name of the airline and STOP. That is all we need to know)*

   d. I made a connection at this airport from an INTERNATIONAL FLIGHT with _____ Airlines *(Please fill in the name of the airline and STOP. That is all we need to know)*

   If you arrived at this airport by GROUND TRANSPORTATION, please complete the rest of this survey.

2. **What is the destination of your trip today?**

   _____ _____
   Airport   City

   _____ _____
   State/Province   Country

3. **What type of trip is this?**
   (Please circle the answer for the main purpose of your travel)

   a. Business related to the federal government (Including military)
   b. Business related to state or local government
   c. Business that is not related to government
   d. Vacation
   e. Personal or family affairs
   f. Student or school related
   g. Other purpose (Specify)_____

4. **Since your arrival at the airport, did you stop at any of the following?** *(Please circle ALL that apply)*

   a. Curbside agent for boarding pass
   b. Curbside agent for bag check
   c. E-ticket kiosk for boarding pass
   d. E-ticket kiosk for bag check
   e. Ticket agent in terminal for boarding pass
   f. Ticket agent in terminal for bag check
   g. None of the above

B. ABOUT YOUR GROUND TRIP TO WASHINGTON DULLES INTERNATIONAL AIRPORT:

1. **Where did you start your ground trip to this airport (IAD)?**
   (Please circle ONE answer)

   a. Private residence
   b. Hotel/Motel
   c. My regular place of employment
   d. Another place of business
   e. Other _____ (Specify)

2. **What is the address of the place above?**
   (If you prefer to provide a less specific geographic location, please indicate the nearest intersection, or building name)

   | Street Number | Street Name | City Quadrant (e.g. SW, NE) |

   | City | State | Zip Code |

3. **What time did you begin your trip to the airport today?** *(Enter time and circle AM or PM)*

   _____ : _____ AM PM

4. **What time did you arrive at the airport today?** *(Enter time and circle AM or PM)*

   _____ : _____ AM PM

5. **Did any member of your household, friends, or business associates travel to the airport with you?**

   a. NO

   b. YES {
   1. How many? _____
   2. Of this group, how many came to board this flight? _____
   }

6. **How many checked-in bags on this flight are yours?** *(Enter '0' if no bags were checked)* _____

7. **What was your primary means of transportation to this airport?**
   (Please circle ONE answer)

   a. Private Car
   b. Rented Car
   c. Taxi
   d. Airport bus/van/limo
   e. Other (Specify) _____
   f. Metrorail (National)
   g. Amtrak/MARC (BWI)
   h. Light Rail (BWI)
   i. Hotel/Motel courtesy bus

8. **If you arrived in a private vehicle (excluding rental cars):**

   a. Were you dropped off at the terminal curbside?

   YES _____   NO _____

   b. Where was that vehicle parked (either directly or after dropping you off)?

   1. It was not parked
   2. Short term/hourly Parking Lot
   3. Long term/daily parking garage
   4. Long term/economy parking lot.
   5. Valet Parking

   } - For How Long?

   a. For a few hours or less
   b. Until you return from this trip.

C. ABOUT YOUR AIRPORT CHOICE

1. **Please rank the three most important reasons for choosing Washington Dulles International Airport for your flight today.**
(Please write #1, #2 or #3 in the appropriate spaces)
_____ Closest airport
_____ Easy road access
_____ Convenient limo, bus, or rail service
_____ Good parking facilities
_____ More convenient flight times
_____ Less expensive airfare
_____ Only airport with non-stop flights
_____ Only airport that serves market
_____ Frequent flyer specific airline
_____ Other
(Specify) _____

2. **If you could have arranged the airline schedule for your trip today, which airport would you have PREFERRED to use ?** (Please circle ONE answer)
   a. Baltimore/Washington International Thurgood Marshall
   b. Washington Dulles International
   c. Ronald Reagan Washington National
   d. No preference

3. **Please indicate which other airport(s) you considered using today.** (Please circle ALL answers that apply)
   a. Baltimore/Washington International Thurgood Marshall
   b. Ronald Reagan Washington National
   c. Other airport
      (Specify) _____
   d. Did not consider another airport

4. **During the last twelve months, how many flights did you make from each of the following airports?**
(Please write a number in the appropriate spaces. Count today's trip as one flight)
_____ Baltimore/Washington International Thurgood Marshall
_____ Washington Dulles International
_____ Ronald Reagan Washington National

D. ABOUT YOURSELF

1. **Please indicate the location of your current residence:**

   _____
   City/County   State   Zip Code   Country

2. **How many people live in your household?**

   _____ People (Enter '1' if you live alone)

3. **Please circle your age bracket:**
   a. 18 or younger   d. 35–49
   b. 19–24   e. 50–64
   c. 25–34   f. 65 or older

4. **Please circle the answer that approximates the total household annual income of all persons in your household:**

   a. Less than $15,000   e. $80,000-119,999
   b. $15,000-24,999   f. $120,000-159,999
   c. $25,000-44,999   g. $160,000-199,999
   d. $45,000-79,999   h. $200,000 or more

If you were visiting the Washington-Baltimore area, please answer questions #5 and #6, then proceed directly to section E.

5. **How many nights did you stay in the area?**
   _____ Nights (Enter '0' if you are leaving the same day you arrived)

6. **Approximately how much did you spend PER DAY while you were in the area?** (Include expenses which are meals, hotels, rental cars, etc. Do not include airfare. Please circle ONE answer)
   a. Less than $100   e. $400-499
   b. $100-199   f. $500-749
   c. $200-299   g. $750-999
   d. $300-399   h. $1,000 or more

If your air travel begins from this airport please answer Questions #7 and #8 below, then proceed to section E.

7. **How many nights will you spend away on this trip?**
   _____ Nights (Enter '0' if you are returning today)

8. **How many vehicles are usually available for use at your residence?**
   _____ Vehicles (Enter '0' if no vehicles are available)

E. PLEASE WRITE ANY COMMENTS YOU MAY WISH TO BRING TO OUR ATTENTION BELOW

Again, Thanks For Your Help!

I –

2009 WASHINGTON–BALTIMORE REGIONAL AIR PASSENGER SURVEY

TO DETERMINE LOCAL AIRPORT NEEDS

IAD

This survey is being conducted by:
Metropolitan Washington Council of Governments
Metropolitan Washington Airports Authority
Maryland Aviation Administration
in cooperation with the airlines
serving the region's airports.

This survey concerns your trip today.
Please complete this form, even if you have
received a form on other days.

Field Operation

- Field data collection staff hire and train - COG
  - 1 Lead Supervisor, 2 Lead Assistants and at least 10 interviewers made up one airport team.
  - WB&A Market Research contracted to provide staff
    - More than 10 years of experience in Airport and transportation-related data collection, including BWI, DCA and IAD.
- Field data collection staff stationed at airport for the duration of the survey.

9

No. of Survey Flights by Airport and Survey Date

	Survey Day		BWI	DCA	IAD	Total
1	Sunday	10/11/2009	17	17	22	56
2	Monday	10/12/2009	16	14	14	44
3	Tuesday	10/13/2009	15	13	14	42
4	Wednesday	10/14/2009	19	14	19	52
5	Thursday	10/15/2009	17	18	12	47
6	Friday	10/16/2009	15	20	14	49
7	Saturday	10/17/2009	14	8	27	49
8	Sunday	10/18/2009	14	11	16	41
9	Monday	10/19/2009	19	21	13	53
10	Tuesday	10/20/2009	15	19	18	52
11	Wednesday	10/21/2009	14	15	34	63
12	Thursday	10/22/2009	18	11	17	46
13	Friday	10/23/2009	19	14	15	48
14	Saturday	10/24/2009	15	13	9	37
	Total		227	208	244	679

10

2009 Washington-Baltimore Regional Air Passenger Survey

Data Collection Progress Report - BWI

Survey Day	Surveyed Flights	Canceled Flights	Surveys Completed (WITH Passenger Factor)	Revenue Passenger Count	Response Rate (WITH Passenger Factor)	Completed Surveys	Response Rate (WITHOUT Passenger Factor)
Sun: 11 Oct	17	0	1,041	1,928	54%	697	36%
Mon: 12 Oct	16	0	1,105	4,115	27%	1,355	33%
Tue: 13 Oct	15	0	652	1,201	54%	472	39%
Wed: 14 Oct	19	0	1,053	1,835	57%	625	34%
Thu: 15 Oct	17	0	1,059	1,986	53%	691	35%
Fri: 16 Oct	15	0	975	1,580	62%	623	39%
Sat: 17 Oct	14	0	856	1,392	61%	504	36%
Sun: 18 Oct	14	0	819	1,466	56%	549	37%
Mon: 19 Oct	19	0	1,021	2,002	51%	781	39%
Tue: 20 Oct	15	0	778	1,335	58%	519	39%
Wed: 21 Oct	14	0	623	1,190	52%	463	39%
Thu: 22 Oct	18	0	883	1,711	52%	628	37%
Fri: 23 Oct	19	0	1,175	2,102	56%	814	39%
Sat: 24 Oct	15	1	727	1,361	53%	450	33%
Total	**227**	**1**	**12,767**	**25,204**	**51%**	**9,171**	**36%**

2009 Washington-Baltimore Regional Air Passenger Survey

Data Collection Progress Report - DCA

Survey Day	Surveyed Flights	Canceled Flights	Surveys Completed (WITH Passenger Factor)	Revenue Passenger Count	Response Rate (WITH Passenger Factor)	Completed Surveys	Response Rate (WITHOUT Passenger Factor)
Sun: 11 Oct	17	1	741	1,480	50%	476	32%
Mon: 12 Oct	14	0	427	749	57%	298	40%
Tue: 13 Oct	13	0	386	1,000	39%	311	31%
Wed: 14 Oct	14	0	385	776	50%	287	37%
Thu: 15 Oct	18	0	557	1,366	41%	442	32%
Fri: 16 Oct	20	1	798	1,576	51%	579	37%
Sat: 17 Oct	8	0	270	623	43%	199	32%
Sun: 18 Oct	11	0	514	884	58%	325	37%
Mon: 19 Oct	21	0	1,070	1,902	56%	700	37%
Tue: 20 Oct	19	0	595	1,080	55%	444	41%
Wed: 21 Oct	15	0	593	916	65%	421	46%
Thu: 22 Oct	11	0	424	792	54%	295	37%
Fri: 23 Oct	14	0	640	1,126	57%	460	41%
Sat: 24 Oct	13	0	537	981	55%	331	34%
Total	**208**	**2**	**7,937**	**15,251**	**52%**	**5,568**	**37%**

2009 Washington-Baltimore Regional Air Passenger Survey

Data Collection Progress Report - IAD

Survey Day	Surveyed Flights	Canceled Flights	Surveys Completed (WITH Passenger Factor)	Revenue Passenger Count	Response Rate (WITH Passenger Factor)	Completed Surveys	Response Rate (WITHOUT Passenger Factor)
Sun: 11 Oct	22	0	1,081	2,024	53%	615	30%
Mon: 12 Oct	14	0	635	1,433	44%	441	31%
Tue: 13 Oct	14	0	553	1,321	42%	389	29%
Wed: 14 Oct	19	0	729	1,381	53%	517	37%
Thu: 15 Oct	12	0	458	1,128	41%	312	28%
Fri: 16 Oct	14	0	342	888	39%	285	32%
Sat: 17 Oct	27	0	950	2,652	36%	769	29%
Sun: 18 Oct	16	0	723	1,418	51%	384	27%
Mon: 19 Oct	13	0	504	1,120	45%	339	30%
Tue: 20 Oct	18	1	512	1,359	38%	440	32%
Wed: 21 Oct	34	1	1,123	2,429	46%	844	35%
Thu: 22 Oct	17	0	642	1,857	35%	507	27%
Fri: 23 Oct	15	1	513	1,357	38%	393	29%
Sat: 24 Oct	9	0	242	628	39%	188	30%
Total	**244**	**3**	**9,007**	**20,995**	**43%**	**6,423**	**31%**

13

2009 Washington-Baltimore Regional Air Passenger Survey

Data Collection Progress Report – All Airports

Survey Day	Surveyed Flights	Canceled Flights	Surveys Completed (WITH Passenger Factor)	Revenue Passenger Count	Response Rate (WITH Passenger Factor)	Completed Surveys	Response Rate (WITHOUT Passenger Factor)
Sun: 11 Oct	56	1	2,863	5,432	53%	1,788	33%
Mon: 12 Oct	44	0	2,167	6,297	34%	2,094	33%
Tue: 13 Oct	42	0	1,591	3,522	45%	1,172	33%
Wed: 14 Oct	52	0	2,167	3,992	54%	1,429	36%
Thu: 15 Oct	47	0	2,074	4,480	46%	1,445	32%
Fri: 16 Oct	49	1	2,115	4,044	52%	1,487	37%
Sat: 17 Oct	49	0	2,076	4,667	44%	1,472	32%
Sun: 18 Oct	41	0	2,056	3,768	55%	1,258	33%
Mon: 19 Oct	53	0	2,595	5,024	52%	1,820	36%
Tue: 20 Oct	52	1	1,885	3,774	50%	1,403	37%
Wed: 21 Oct	63	1	2,339	4,535	52%	1,728	38%
Thu: 22 Oct	46	0	1,949	4,360	45%	1,430	33%
Fri: 23 Oct	48	1	2,328	4,585	51%	1,667	36%
Sat: 24 Oct	37	1	1,506	2,970	51%	969	33%
Total	**679**	**6**	**29,711**	**61,450**	**48%**	**21,162**	**34%**

14

2009 Washington-Baltimore Regional Air Passenger Survey

- **30 Airlines**
  - **15 International**
  - **15 Domestic**

- **116 Destinations**
  - **30 International**
  - **86 Domestic**

No. of Destinations by Region

Region	No. of Destinations	No. of Flights
Great Lakes	7	60
Mid-Atlantic	21	94
New England	6	76
New York	3	66
South East	24	170
West	25	151
International	30	62
Total	**116**	**679**

2009 Washington-Baltimore Regional Air Passenger Survey

No. of Survey Flights by Airport and Destination Region

Region	BWI	DCA	IAD	Total
Great Lakes	20	20	20	60
Mid-Atlantic	30	22	42	94
New England	30	26	20	76
New York	20	26	20	66
South East	64	62	44	170
West	51	46	54	151
International	12	6	44	62
Total	**227**	**208**	**244**	**679**

No. of Survey Flights by Airport and Flight Hours

Survey Hours	BWI	DCA	IAD	Total
5:00 - 10:00 AM (AM Peak)	61	67	57	185
10:00 AM - 2:00 PM (Mid-Day)	53	46	53	152
2:00 PM - 6:30 PM (PM Peak)	69	57	78	204
6:30 PM - 12:00 AM (Night)	44	38	56	138
Total	227	208	244	679

Survey Response Rate by Airport

	BWI	DCA	IAD	Total
Actual No. of Completed Surveys	9,171	5,568	6,423	21,162
Mail-back	65	112	48	225
Total	9,236	5,680	6,471	21,387
No. Survey Completed (With Pass. Factor)	12,767	15,251	9,007	37,025
Revenue Passenger Count	25,204	15,251	20,995	61,450
Response Rate (With Pass. Factor)	51%	100%	43%	60%
Response Rate (Without Pass. Factor)	37%	37%	31%	35%

Next Steps

➢ Raw data keying – completion by mid- December

➢ Perform Logic check – completion by late December

➢ Geo-Coding of survey data to MWCOG and BMC TAZ's
   - completion by March/April 2010

➢ Factoring data to annual enplanements

➢ Data analysis and preliminary findings by June 2010

19

Contact . . .

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20