STATUS OF DATA COLLECTION EFFORTS

Process

Foursquare ITP started the data collection task for the Hot Spots project immediately upon NTP so that as much data as possible could be collected early on for the development of the database. The data that we focused on collecting is as follows:

1. Level of Service – Span, headway
2. Route GIS layers (or use from COG's database)
3. Vehicle travel time data (AVL, manual) for a recent month: time between timepoints
4. Ridership by route for a recent month
5. Boardings by stop (APC, ridecheck) for a recent month
6. On time performance – preferably at segment level, for a recent month
7. Specific known "hot spots"

The table below shows the status of the data collection efforts, and the table on the next page shows each data item and its status for each service provider.

Transit Provider	Date of Call/Meeting	Participants	FITP Lead
ART	*10/28*	Steve Yaffe, Kelley MacKinnon	David
DASH	10/14	Jim Maslanka, Raymond Mui	David
CUE	10/17	Alex Verzosa	Lora
Fairfax Connector	10/18	Christy Wegener, Paul Mounier, Randy White	Lora
PRTC	10/14	Chuck Steigerwald	David
Ride On	*10/26*	Phil McLaughlin	Lora
TheBus	*10/26*	Kevin Thornton	David
DC Circulator	10/13	Sarah Powell	Lora

Data Collection: What Exists (Core Agencies)

	Primary Needs			Secondary Analysis			
	LOS	**GIS**	**Vehicle Travel Time/Speeds**	**Route Level Ridership**	**Stop Level Ridership**	**OTP**	**Other**
WMATA	WMATA Study database	WMATA Study database	WMATA Study database	They will provide	They will provide	They will provide	List of hot spots from previous study
ART	They will provide	They will provide	AVL data (but we will have to pull it from the system)	They will provide	APC data (but we will have to pull it from the system)	Yes (but we will have to pull it from the system)	
DASH	They will provide	They will provide	Don't have	They will provide	Yes, and by link	Schedule adherence spot checks (handwritten)	Previous studies with identified hot spots; historical schedule adjustments
CUE	Online	Use from COG	They will provide AVL data	They will provide	Don't have – can pull NTD sampling data if we want to (get from their consultant)	They will provide a report	Hot spots locations provided during call
Fairfax Connector	They will provide	They will provide	Use Geologger data for few routes that have data	They will provide	Use TDP data Round 2 (2008)	Paper sheets for specific stations focused on problem routes	Hot spot info to be provided from MV Transportation
DC Circulator	Online	On DC GIS Website	They will provide	They will provide	Don't have	They will provide	Hot spot info to be provided by First Transit
Ride On	Tbd						
TheBus	Tbd						

Data Collection: What we have

	Primary Needs			Secondary Analysis			
	LOS	GIS	Vehicle Travel Time/Speeds	Route Level Ridership	Stop Level Ridership	OTP	Other
WMATA	✓	✓	✓				✓
ART				✓			
DASH			n/a		✓		✓
CUE	✓		✓	✓	n/a	✓	✓
Fairfax Connector			✓		✓		
DC Circulator	✓		✓	✓	n/a	✓	
Ride On							
TheBus							

Detailed Data Collection Notes

DASH can provide the following:

- Ridership by route, by stop, and by link.
- GIS layers
- Schedule adherence spot checks (hand written on paper)
- Historical schedule adjustments
- Previous studies with identified hot spots
- They have no AVL, GPS, or CAD systems

ART can provide the following:

- Monthly Ridership by route
- GIS Layers
- List of Hot Spots
- Speeds, travel time, on-time performance, and APC data (but we have to pull it from their system ourselves)

CUE can provide the following:

- Ridership by route (from Cubic farebox data) – they suggested we mine the WMATA farebox data, but I have since asked them to send it to me.
- AVL data
- They don't have boardings by stop other than through NTD sampling. We can contact their consultant to get that if we want.
- GIS layers haven't changed from the COG database

Fairfax Connector can provide the following:

- Level of service spreadsheet
- Ridership by rout for September
- Route GIS
- Boardings by stop – use TDP data
- Point check OTP from paper checks at specific stations
- Hot spot information from contractor

DC Circulator can provide the following:

- GIS layers on DC GIS
- Route level ridership
- Trip time between internal timepoints
- OTP based on actual headways (since there is no published schedule)