MEMORANDUM

DATE: September 4, 2012

TO: SFMTA Board of Directors

Tom Nolan, Chairman
Cheryl Brinkman, Vice Chairman
Leona M. Bridges, Director

Leona M. Bridges, Director Malcolm A. Heinicke, Director Jerry Lee Director

Jerry Lee, Director Joél Ramos, Director Cristina Rubke, Director

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SUBJECT: Private Shuttle Policy Development

sector and describes the key goals and objectives of the policy development process private shuttles. This memo summarizes new information gathered about the shuttle 2012 Policy and Governance Committee meeting. A presentation on the contents of this memo will be presented at the September 14, Board of Directors' request for an update on the SFMTA's work to develop policies for This memo responds to the San Francisco Municipal Transportation Agency (SFMTA)

Background

by SFMTA, the San Francisco County Transportation Authority, the Department for the Innovative Climate grant program, Muni Partners is one element of a larger Integrated in San Francisco. Environment, and the Planning Department. Transportation Demand Management (TDM) project, which is jointly being conducted The Muni Partners Program responds to a growing sector of privately operated shuttles Funded by Metropolitan Transportation Commission's (MTC's)

objectives The Muni Partners Program supports the following SFMTA's 2013-2018 Strategic Plan

- 2.3: Improve use of all non-private auto modes
- 3.2: Increase the transportation system's positive impact to the economy
- 4.4: Improve relationships with our partners and stakeholders

providers in the Muni Partners Program to: Through the Muni Partners Program, the SFMTA is working collaboratively with shuttle

- San Francisco Collect information about the benefits and effects of the private shuttle sector in
- Establish clear curb use policies
- Develop a shuttle identification system
- public sector Foster effective communications between private shuttle providers and the

Data Collection

extent of shuttle benefits. Table 1 outlines the data that has been collected to date understand where shuttle activity is happening, the nature of shuttle impacts, and the Over the past nine months, the SFMTA has collected a series of data to better

Data	Method	Purpose Provides inventory of	Status Completed—
Consolidated Shuttle Provider Inventory	SFMTA outreach and interviews with shuttle providers	Provides inventory of known shuttle services that operate wholly or partially within San Francisco	Completed— February 2012, with ongoing updates and additions
Shuttle-Related Public Communications	SFMTA consolidation of received communications from	Compiles range of communicated concerns and	Ongoing
# 3 a a a a a a a a a a a a a a a a a a	members of the public, including comments received via San Francisco Supervisorial offices and the 311 system	complaints, identifying hot spots of potential impacts	
Citywide Weekday Shuttle Activity	Shuttle operators provided stop locations, schedules, and routes across San Francisco. These were	Quantifies magnitude of shuttle activity at intersections and corridors	Completed – June 2012

		CONCILITANT TOTAL	
	ownership rates, etc	by MTC's evaluation	etc.,)
	commute trips, auto	institutions distributed	ownership rates,
0	impacts mode of non-	employers and	modes, auto
	how shuttle use	providers; of these, 14	non-shuttle trip
	information about	providers to 27	of access to shuttle,
	benefits and provides	San Francisco	shuttle use, mode
2012	environmental	for regional and intra-	(frequency of
Completed—August	Quantifies	Web-based surveys	Rider survey
	benefits	Ħ	2
100	trequency to quantity	consultant	
	for routes, and route	by MTC's evaluation	71
	ridership, vehicle size	by SFMTA, analysis	Boardings, Runs
2012	about route-level	surveys and interviews	Average Daily
Completed—August	Provides information	Shuttle provider	Fleet mix, Fuel use,
	impacts.		R
2.	other local-level		
	and other users, and	operational conflicts.	
	conflicts with Muni	frequency delay and	
	intensity of use	shuttle and Muni	
	stops with regard to	information about	
	variety of kinds of	locations Capturing	
2012	quantify	observations analysis	Observation Data
Completed - July	Investigate and	Multi-day stop level	Stop Level
	21	location and time	
		illustrate activity by	-

Key Findings

Shuttle Riders:

- riders use the shuttle 4 days/week Average intra-SF shuttle rider uses a shuttle 3 days/week; average regional
- zero-car household shuttle riders live in a zero car household; 21% of all San Franciscans live in a 29% of regional shuttle riders live in zero-car households; 18% of intra-SF
- neighborhoods Valley neighborhoods, with the remainder spread across other San Francisco 40% of regional shuttle riders live in the Mission, Nob Hill, Castro, and Noe

- outside of San Francisco, with the remaining riders live in other neighborhoods Sunset neighborhoods, 25% of intra-SF shuttle riders are residents of the Haight, Cole Valley, and Inner San Francisco ×ith another 25% of intra-SF shuttle riders residing
- would walk, bike, take transit, or carpool to get to work or school they would drive alone; 5% would not make the trip at all; the If the intra-SF shuttles were not in place, 27% of intra-SF shuttle riders state that remaining 67%
- the job they have; the remaining 20% would get to work by transit, carpooling, or drive alone, other sustainable modes If the regional shuttles were not in place, 49% of riders state that they would 31% would not be able to get to work or would not choose to have
- for intra-SF shuttle riders access their shuttle stops are by public transit (41%) 83% of regional shuttle riders walk to their shuttle stop; and walking (31%) the most popular ways

Providers:

- Peninsula or South Bay) shuttle service and 9 employers/institutions providing inter-county (mostly San Francisco to the There are at least 18 employers/institutions providing intra-SF shuttle service
- Most institutions and employers contract out their Several own and operate their own shuttles shuttle service ਰ shuttle

Operations:

- across the Informal coordination between shuttle operators results in distribution of shuttles legs of intersections and over several blocks for high-demand
- establishing and following operations guidelines such as Many shuttle operators train their operators to avoid impacts on Muni service by
- Giving Muni buses priority
- 0 Allowing Muni buses accesses it ð pass and access B stop before the shuttle
- Not staging in bus stops
- Quick boarding and alighting

Shuttle Trips:

weekday: 28,700 on intra-SF shuttles, and 6,500 on regional shuttles More than 35,200 individual trips are taken on private shuttles on an average

Shuttle Stops:

- loading zones Shuttle providers load and unload at a combination of Muni zones and white
- Metro, and Caltrain stations); field data collection and shuttle provider reports intersections and across several blocks to avoid bunching with others demonstrate Shuttle Divisidero, stops Geary, Market, Townsend) and around transit hubs (BART, Muni that are providers clustered along spread several corridors themselves across (Van Ness, different
- loading zones/cut-outs Most layovers and staging activity take place at unoccupied metered spaces (early in the morning), outside of San Francisco (regional service), and in freight
- frequency than shuttle frequency during peak hours Most stops that are used by both shuttles and Muni have മ higher Muni

Impacts:

- Conflicts include:
- 0 double parking to load/unload passengers, pulling only partway to a curb Shuttles blocking moving traffic (including bike lanes) either because
- 0 Shuttles preventing use of Muni zone by Muni while they pick-up/drop-off passengers
- 0 Double parked loading shuttles blocking Muni view of passengers waiting at stops, resulting in Muni passing up a stop
- 0 for passengers Shuttle or Muni loading/unloading away from curb causing safety concern
- Findings regarding conflicts
- 0 on-street parking immediately preceding the experience fewer conflicts and are more easily shared), the presence of Conflicts are affected by the length of the bus bay/zone (longer zones bus bay/zone (making it

service at the stop more difficult to pull all the way into the stop), and frequency of Muni

- 0 Neighborhood streets, where Muni service is less frequent and bus bays have higher Muni frequency and are often more constrained less constrained, experience fewer conflicts than arterials, which
- 0 the alighting took place in a commercial loading bay to load or unload passengers. Exceptions took place at locations where The majority of observed shuttles dwelled at a stop for less than 1 minute number of boardings required longer and where boarding and

Rider benefits

- they do SF shuttle riders would not be able or choose to take the job/go to school where shuttle riders would not be able or choose to take the job they have; 5% of intra-Access to school/work: If the shuttle was not an option, over 30% of regional
- able to use the shuttle; 12% of intra-SF shuttle riders have forgone purchasing a forgone purchasing a car, and 20% have gotten rid of a car because they are car and 6% have shed a car as a result of being able to use the shuttles experience cost savings from lower car use: 39% of regional shuttle riders have The shuttles <u>a</u>re free ಠ eligible users. Additionally, shuttle riders

Environmental benefits:

- per year San Francisco-serving shuttles displace over 45 million vehicle miles travelled
- gas emissions 25,581 barrels of oil)¹ San Francisco-serving shuttles reduce over 11,000 metric tons of greenhouse per year (this is the equivalent of the emissions from burning

Other benefits:

- be Overall congestion decrease from reduced private vehicle trips (note: there may local congestion impacts at some locations)
- medical centers Decrease in parking demand at and around institutions, employment centers,

¹ http://www.epa.gov/cleanenergy/energy-resources/calculator.html

- Decrease in residential parking demand associated with lower car ownership
- bike, transit) for trips more since they began taking the shuttle and 66% of regional shuttle riders state that they take sustainable modes (walk, Increase in use of sustainable modes for all trips: 50% of intra-SF shuttle

Policy Considerations

The primary policy considerations and issues associated with the private shuttle sector

- Public safety: Safety of all users is the most important consideration
- acknowledge shuttle benefits as they minimize shuttle impacts Environmental and transportation system benefits: Policy approaches should
- shuttles should circulation Interaction with prevent negative Muni and general circulation impacts on Muni oper operations Policies and that general
- support their operations and create certainty for all stakeholders Shuttle stops and curb use: Identifying where and when shuttles may stop will
- exchange between shuttle providers and the city is an on-going need Shuttle identification complaints and and communication between all parties: providing on-going communication and Responding information
- funded must be addressed as policies are developed Institutional considerations: how policies will be enforced, administered,

Next steps

direction and implementation approaches to MTAB in late Winter 2013. Staff will work over next few months to develop policy options and will bring proposed

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