

# Piers 30-32 CAC

## Introduction to Waterfront Transportation Assessment Phase 2



January 29, 2014



# Goals for Item

- **CAC and Public to understand Phase 2:**
  - ✓ **What It Is**
  - ✓ **Process**
  - ✓ **How Your Input Has Been Incorporated (So Far)**
  
- **Feedback from CAC**
  - ✓ **Clarifying Questions**
  - ✓ **Input on How Phase 2 Findings are Proposed to be Presented at Subsequent Piers 30-32 CAC meetings**

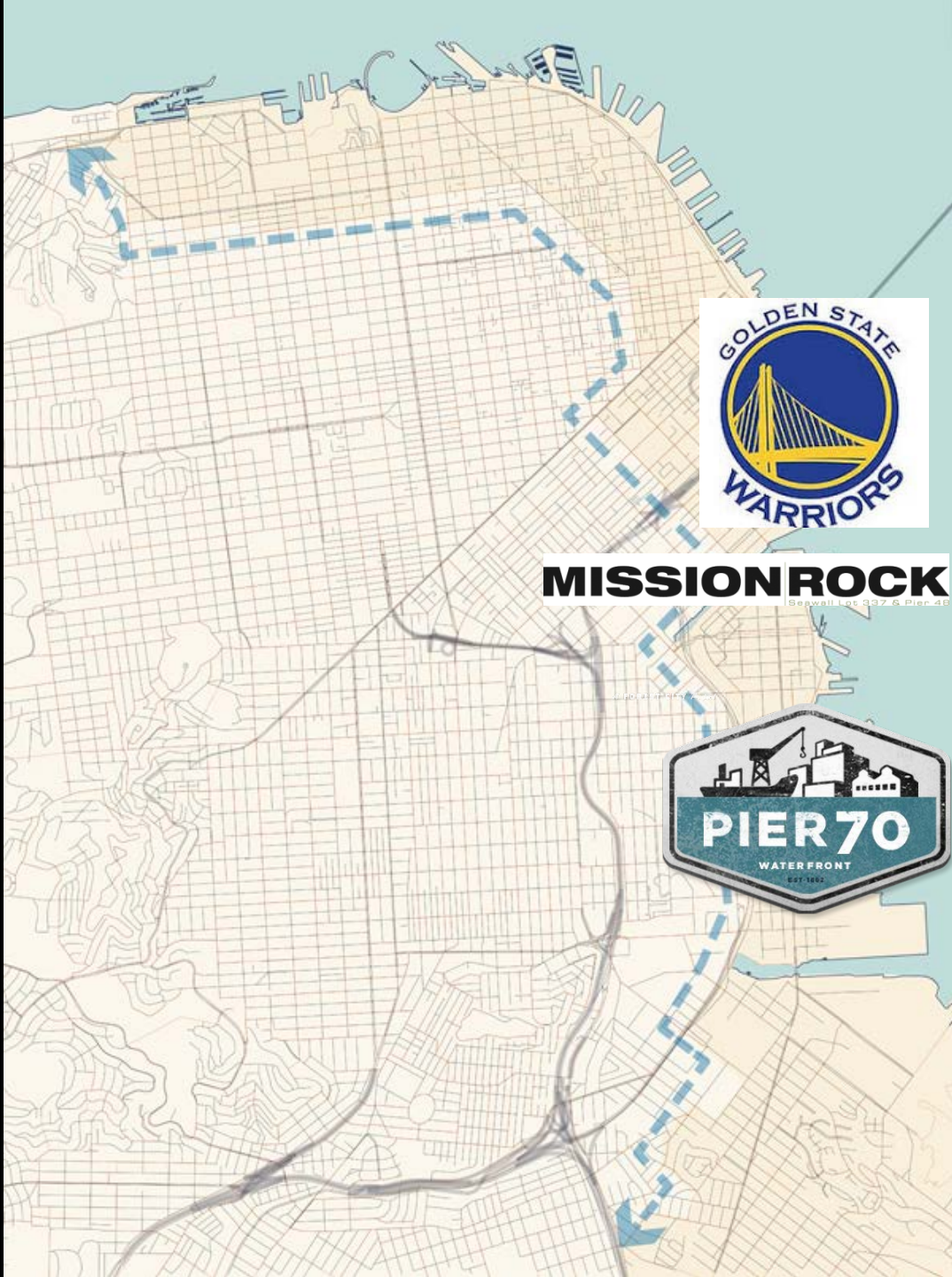


## **Purpose of Assessment**

**To provide transportation information to the public and policy-makers to:**

- A) Inform upcoming decisions about big developments on the Waterfront (Warriors, Mission Rock, Pier 70).**
  
- B) Lead to transportation improvements that can address problems that exist today or in a future even without the big Waterfront developments.**





# MISSION ROCK

Seawall Lot 337 & Pier 48



Oct 2012

July 2013

Dec 2013

Spring 2014

**Phase 1: Transportation goals and concept strategies**

**Key Outcome: Inventory of Strategies**

**Phase 2: Transportation solutions analysis**

**Key Outcome: Package of Transportation Strategies to Response to Identified Problems, Provides Clarity on Implementation and Costs**



So How Do We Get from Here to There?



# Step 1: Needs Identification to understand travel patterns, identify problems

- Capacity
- Reliability
- Safety
- Flexibility

Existing Conditions

2020 No Waterfront Development

2020 with Waterfront Developments

2040 No Waterfront Development

2040 with Waterfront Developments

Giants Game + Warriors Concert



**Step 1: Needs Identification** to understand travel patterns, identify problems

**Step 2: Screen Strategies** to match problems identified and add any additional strategies





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**Step 3: Strategy Evaluation** to understand effectiveness, consider cost, timing



Step 1: **Needs Identification** to understand travel patterns, identify problems

Step 2: **Screen Strategies** to match problems identified and add any additional strategies

Step 3: **Strategy Evaluation** to understand effectiveness, consider cost, timing

Step 4: **Strategy Cost-Sharing Framework** to inform potential Development Agreements



# Tools we will use

**Observed Data:  
Vehicle Counts,  
Transit  
Ridership, Etc.**

**SF-CHAMP  
Regional Travel  
Demand  
Forecasting Tool**

**Synchro: Traffic  
Simulation  
Software**

**Research  
Evaluation of  
Strategies that  
Have Been  
Implemented Here  
or in Other Cities**

**Professional  
Judgment**



# A Hypothetical Example...



## 1) Needs Identification-Corridor #1-Problem: Capacity

- demand for +1,000 more auto trips than supply during pm peak 1-hour
- of all auto trips on Corridor #1
  - 30% come from another county to the east
  - 30% come from another county to the south
  - 25% come from nearby neighborhoods
  - 15% come from other more dispersed locations



## 2) Strategy Screening and Additions

- Inventory Strategies

- Waterfront Inventory Strategy #1
- Waterfront Inventory Strategy #2
- Waterfront Inventory Strategy #3

- Strategy Additions

- Additional Strategy #1



### 3) Strategy Evaluation

	<b>Method to Evaluate</b>	<b>Result</b>	<b>Cost</b>	<b>Implementation Timeframe</b>
<b>Waterfront Strategy #1</b>	<p><b>Research of impact in implementing similar strategy in other cities;</b></p> <p><b>Apply to future trips by mode forecast by SF-CHAMP</b></p>	<p><b>+300 trips that would otherwise drive on Corridor #1 can be shifted to another mode as a result of Waterfront Strategy #1</b></p>	<b>\$2 million</b>	<b>Can be implemented before 2017</b>



# 4) Strategy Cost-Sharing Framework

	<b>Strategy 1</b>	<b>Strategy 2</b>	<b>Strategy 3</b>	<b>Strategy 4</b>	<b>Strategy 5</b>	<b>Portion of Total cost</b>
<b>San Francisco</b>	A%	E%	I%	M%	Q%	W%
<b>Warriors</b>	B%	F%	J%	N%	R%	X%
<b>Mission Rock</b>	C%	G%	K%	O%	S%	Y%
<b>Pier 70</b>	D%	H%	L%	P%	T%	Z%





## January 29: Introduction to Phase 2

- **CAC Role: Primarily informational, input on how to focus subsequent meeting WTA content**

## February: Needs Identification, Part 1- Trip-Making Patterns Today and Future Without Waterfront Development

- **CAC Role: Informational**

## March: Needs Identification, Part 2-Strategy Screening Results

- **CAC Role: Informational, advise on strategies to add**

## April: Strategy Evaluation Results

- **CAC Role: Input on high-performing strategies**



*“Co-chairs noted that the **subcommittee and the public have requested metrics and data**, but at this stage of the process city staff is in no position to provide metrics... Subcommittee members also recommended having **in-depth discussions on the potential impact each strategy** may have. “ - 10/3/2013 minutes*

*“Erin Miller and Peter Albert, SFMTA, to procure matrix of problems, and **develop document that connects problems to solutions** (proposed projects). -11/6/2013 minutes*

*“Request for **more details on benefit/cost**, what are SFMTA metrics and goals and current #s (e.g., frequency, crowding).” -7/24/2013 minutes*



## Thank you! Feedback for us?

- ✓ **Clarifying Questions**
- ✓ **Input on How Phase 2 Findings are Proposed to be Presented at Subsequent Piers 30-32 CAC meetings**
  - **January 29: Introduction to Phase 2**
  - **February: Corridor Analysis, Part 1–Trip-making Patterns Today**
  - **March: Corridor Analysis, Part 2-Strategy Screening Results**
  - **April: Strategy Evaluation Results**

