















### TTC/DTX Coordination & Interfaces

 Coordination meetings established between design teams

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- TTC/DTX design interface
  - Top of rail elevation
  - Seismic compatibility
  - Integrated ventilation design



### **DTX Design Criteria**

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- Draft Criteria issued Aug. 2008
  - DTX design team, Caltrain, CHSRA and stakeholders
- Review comments resolved and incorporated as necessary
  - DTX Design Criteria Rev. A controlled copy Jan. 2009
- Additional comments to be addressed through errata/ addenda/revision process







## **Operators & Stakeholders**

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#### • CHSRA

- MOU prepared and adopted by CHSRA Mar. 2009
- Facilitates communications and collaboration
- Caltrans
  - Advance Planning Study submitted
  - Construction interfaces at I-80 and I-280
- SFFD
  - Prepared code analysis
  - Details DTX approach to Fire-Life Safety issues
  - Reflects status of agreement with SFFD















# Current Rail Design (RLPA Configuration)

In April 2007, the TJPA Board approved the Refined Locally Preferred Alternative (RLPA) Configuration, comprising the following:

• 2-track lead to DTX tunnel system

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- Fourth and Townsend underground station
- · 3-track tunnel on Townsend and Second streets
- Transit Center with 3 platforms and 6 tracks
- At-grade rail car storage within Caltrain Yard
- Tail Tracks deferred until operationally required



Transbay Transit Center	DTX/TTC Operating Capacity			y
		Caltrain	CHSRA	
No. Tracks		2	4	
Trains/Hr		6*	6	
Seats/Hr		6,720	6,000	
Dwell Time (sch/min)		20/18	30/20	
Train Length (ft)		750	1,312	
Cars / Train		8	16	
Seats / Train		1,120	1,000	
* w/Tail Tracks				

Conclusion: Available capacity exceeds ridership projections







## Design Concept Validation for HSR (cont.)

TTC San Francisco –
 Preferred HSR Train Destination

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- DTX Design Suitable for Operation of HSR Rolling Stock
- Proven Solutions to Accommodate Curved Platforms
- Proven Measures to –
  *Enhance Track Performance*





