File No. <u>141114</u>	Committee Item No2_
	Board Item No.

COMMITTEE/BOARD OF SUPERVISORS

AGENDA PACKET CONTENTS LIST

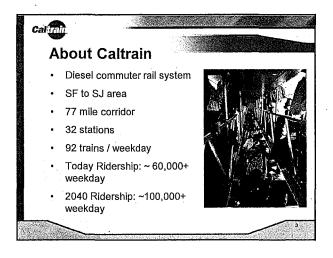
Committee:	Land Use & Development	Date <u>Dec. 8, 2014</u>	
Board of Su	pervisors Meeting	Date	
Cmte Boar	rd		
	Motion Resolution Ordinance Legislative Digest Budget and Legislative Analyst Youth Commission Report Introduction Form Department/Agency Cover Lett MOU Grant Information Form Grant Budget Subcontract Budget Contract/Agreement Form 126 – Ethics Commission Award Letter Application Public Correspondence	er and/or Report	
OTHER	(Use back side if additional spa	ace is needed)	
Completed by: Andrea Ausberry Date Dec. 4, 2014 Completed by: Date			

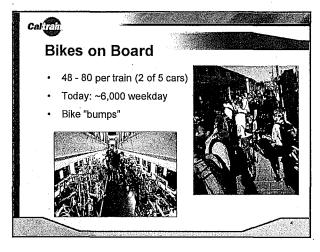
Request for presentations from Peninsula Corridor Joint Powers Board (JPB), California High Speed Rail Authority (CHSRA) and Transbay Joint Powers Authority on the issue of platform compatibility, vehicle width, and its impact on the CHSRA program, Caltrain passenger and freight corridor, and the Transbay Transit Center and Downtown Extension. Presentations from JPB and CHSRA should include status on the RFPs for vehicle procurement.

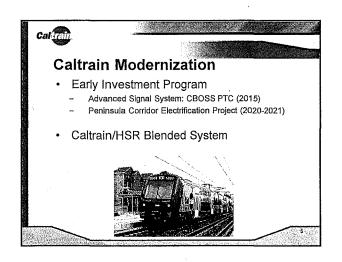
Caltrain/CHSRA/TJPA Update Shared Platform Analysis Update

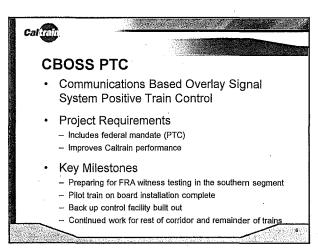
December 2014
Prepared for SF Land Use Committee

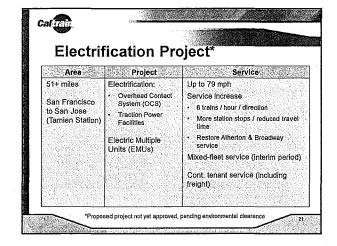
Caltrain

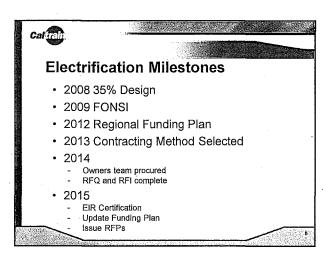


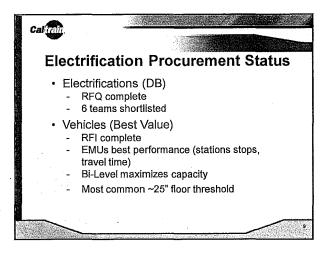


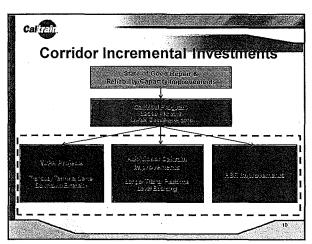




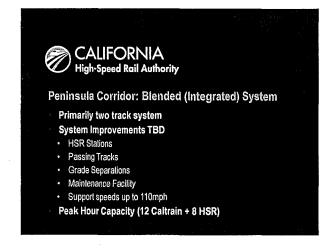








California High Speed Rail Authority





Request for Expressions of Interest

The REOI is being used to identify and receive feedback from firms interested in competing to design, build, and maintain the high-speed rail trainsets for use on the California High-Speed Rail System.

The Authority's order will include a base order and options up to 95 trainsets.



Technical Requirements - Trainsets

- Single level EMU:
- Capable of operating in revenue service at speeds up to 354 km/h (220 mph), and
- Based on a service-proven trainset in use in commercial high speed passenger service at least 300 km/h (186 mph) for a minimum of five years.



Technical Requirements - Trainsets

- Width between 3.2 m (10.5 feet) to 3.4 m (11.17 feet)
 Maximum Length of 205 m (672.6 feet)
- Static axle loads that do not exceed 17 tonnes as shown in 2008 HS RST TSI
- Nominal Vehicle floor height above top-of-rail (TOR) of 1295mm (51 inches) under all loading conditions



Technical Requirements - Trainsets

- Minimum of 450 passenger seats:
- First class space: Equivalent of 1067 mm (42 inches) of Pitch
- Business class space: 991 mm (39 inches) of Pitch

Compliant with all applicable U.S. laws and regulations, including ETF_001-03 – Proposed Rule text for NPRM (Notice of Proposed Rule Making).



Technical Requirements - Maintenance

- Long term technical support, provision of spares and maintenance (30 years) for the trainsets
- The design, construction, operation and maintenance of a Heavy Maintenance Facility (HMF) for trainsets overhaul and 3 running repair/inspection shop, stabling facilities
- The Authority shall make three properties available to the Contractor for the facilities. The HMF facility should be colocated with one of the stabling facilities



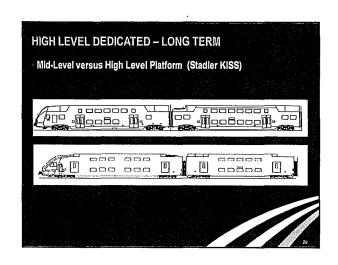
Submittal Information

- Expressions of Interest (EOI) received
- 10 Manufacturers have responded
- EOIs will be accepted after that date
- Submitting an EOI is not a requirement. Firms that do not submit an EOI may still submit a Proposal in response to the REP

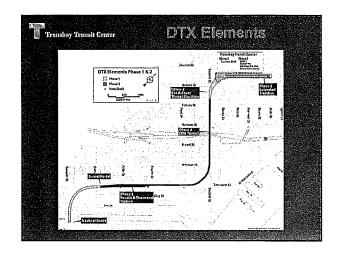


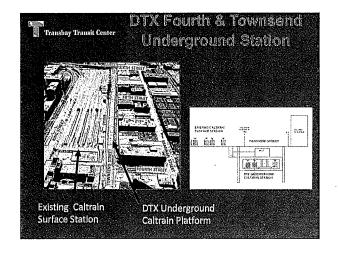
The Procurement Process

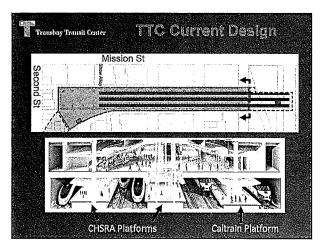
- The REOI does not begin the procurement process
- The Authority will issue an RFP to begin the procurement process (2015)
- Firms that submit EOIs will be given credentials to ask questions and participate in one-on-ones during the RFP process

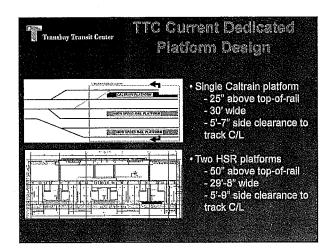


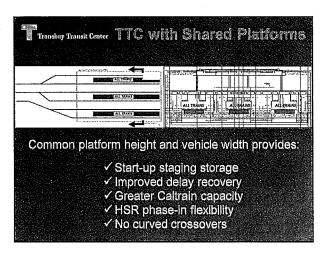
Transbay Joint Powers Authority



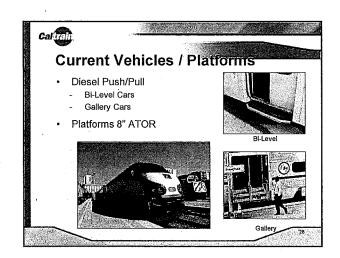


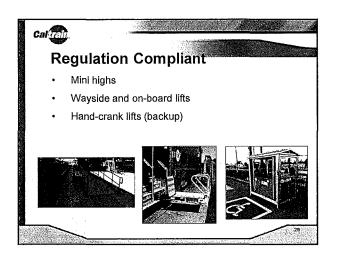


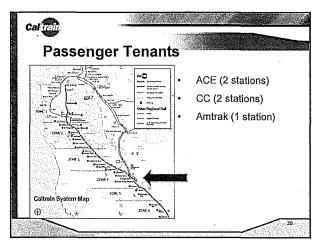


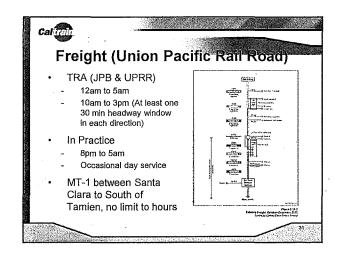


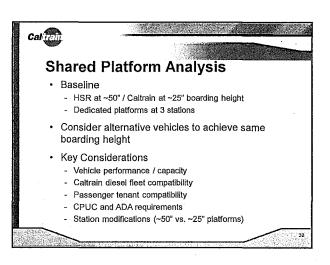
Shared Level Platforms Technical Analysis













Vehicle Performance / Capacity

- Share HSR and Caltrain platforms provide station and system operational benefits
- · Different electric technologies considered
 - Electric Loco (inferior performance)
 - EMU single level (reduced capacity)
 - EMU bi level with 2 sets of doors (customization)
- · Further analysis of EMU bi level of 2 sets of doors



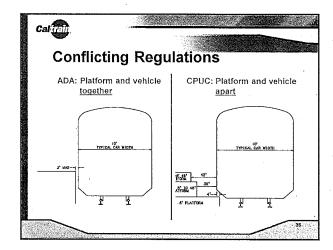
Caltrain Diesel Fleet Compatibility

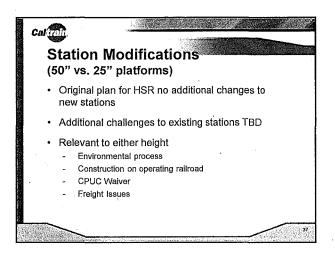
- ~25" boarding cars retain utilization of existing diesel fleet during transition to higher platforms
- ~50" boarding cars eliminate use of existing Caltrain diesel fleet once first station is upgraded
- Consideration of purchasing 100% of electric fleet

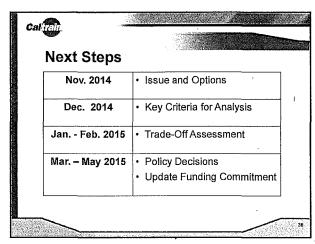


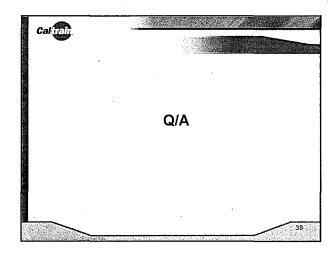
CPUC / ADA Requirements

- CPUC waiver needed above current platform height
 - Platform clearance will be an issue
 - Greater set back the higher the platform
- Compliance with ADA requirements of 3" horizontal and +/- 5/8" will be difficult to achieve and only possible with CPUC waiver at either 25" or 50"
- Accommodate freight service









BOARD of SUPERVISORS



City Hall
Dr. Carlton B. Goodlett Place, Room 244
San Francisco 94102-4689
Tel. No. 554-5184
Fax No. 554-5163
TDD/TTY No. 554-5227

MEMORANDUM

TO:

Ed Reiskin, Executive Director, Municipal Transportation Agency

FROM:

Andrea Ausberry, Assistant Clerk, Land Use and Economic Development

Committee, Board of Supervisors

DATE:

November 13, 2014

SUBJECT:

LEGISLATION INTRODUCED

The Board of Supervisors' Land Use and Economic Development Committee has received the following proposed legislation, introduced by Supervisor Kim on October 21, 2014:

File No. 141114

Hearing requesting presentations from Peninsula Corridor Joint Powers Board (JBP), California High Speed Rail Authority (CHSRA), and Transbay Joint Powers Authority on the issue of platform compatibility, vehicle width, and its impact on the CHSRA program, Caltrain passenger and freight corridor, and the Transbay Transit Center and Downtown Extension including presentations from JPB and CHSRA status on the Request for Proposals for vehicle procurement.

If you have any additional comments or reports to be included with the file, please forward them to me at the Board of Supervisors, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

c: Janet Martinsen, Municipal Transportation Agency Kate Breen, Municipal Transportation Agency Dillon Auyoung, Municipal Transportation Agency Print Form

Introduction Form

By a Member of the Board of Supervisors or the Ma

I hereby submit the following item for introduction (select only one):

REGETY LO BOAKB OF SUPERVISORU SAN ER / MOMOOD
Time stamp or meeting date
r Charter Amendment)
inquires"
varded to the following: Ethics Commission
spection Commission
), use a Imperative Form.
sbay Joint Powers Authority on the

\boxtimes	1. For reference to Committee. (An Ordinance, Resolution, Motion, or Charter Amendment)
	2. Request for next printed agenda Without Reference to Committee.
	3. Request for hearing on a subject matter at Committee.
	4. Request for letter beginning "Supervisor inquires"
	5. City Attorney request.
	6. Call File No. from Committee.
	7. Budget Analyst request (attach written motion).
	8. Substitute Legislation File No.
	9. Reactivate File No.
	10. Question(s) submitted for Mayoral Appearance before the BOS on
	se check the appropriate boxes. The proposed legislation should be forwarded to the following: Small Business Commission Planning Commission Building Inspection Commission For the Imperative Agenda (a resolution not on the printed agenda), use a Imperative Form.
Spons	sor(s):
Kim	
Subje	ect:
	est for presentations from Caltrain, California High Speed Rail and Transbay Joint Powers Authority on the of platform compatibility
The t	ext is listed below or attached:
See a	ttached
	Signature of Sponsoring Supervisor:

For Clerk's Use Only: