

CalMod Local Policy Maker Group (LPMG)

Thursday, May 28, 2015 6:00 PM – 7:30 PM SamTrans Offices - Bacciocco Auditorium 2nd Floor 1250 San Carlos Ave., San Carlos

Agenda

1. JPB Staff Report

- 2. Information/Discussion
 - a. EMU Procurement: Boarding Height Compatibility w/ HSR (Attachment A)
 - b. EMU Procurement: Seats / Standees / Bikes / Bathrooms Balance (Attachment B)
- 3. Public Comments
- 4. LMPG Member Comments/Requests
- 5. Next Meeting In-person: June 25, 2015 at 6:00pm



Memorandum

Date: May 28, 2015

To: CalMod Local Policy Maker Group (LPMG)

From: Marian Lee, CalMod Executive Officer

Re: EMU Request for Proposal: Boarding Height Considerations

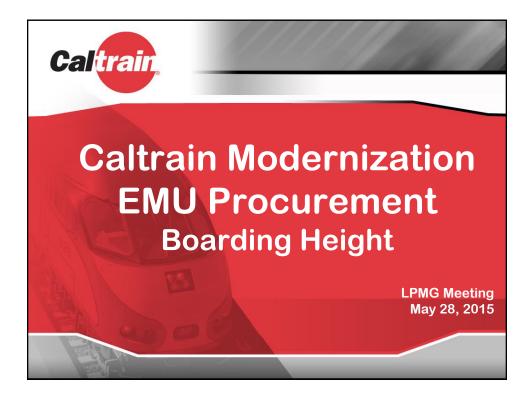
The EMU RFP is targeted for issuance in July 2015. The JPB will need to provide guidance on boarding height which will impact the design of the cars.

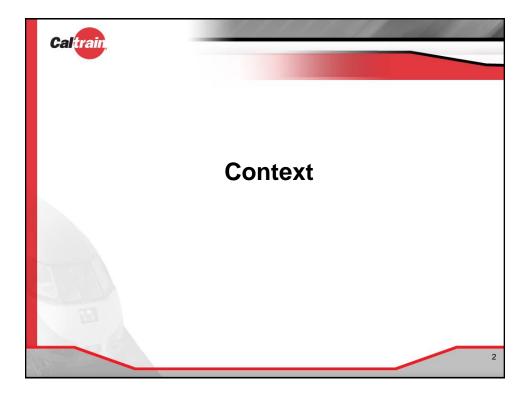
Staff will provide a presentation on different EMU boarding height strategies that will not preclude level boarding and shared platforms with high speed rail in the future.

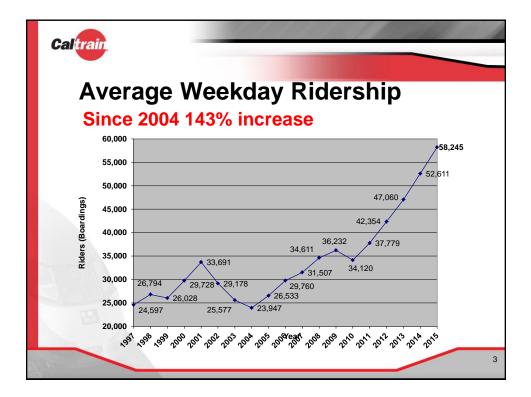
While level boarding and high speed rail service is not part of the electrification project, decisions today about Caltrain's EMU car design will set the height at which Caltrain can achieve level boarding in the future and at which stations we could have shared platforms with high speed rail.

The presentation is attached. This information has been provided to the JPB and the JPB Citizen Advisory Committee. It is also being provided to other agencies as requested.

Staff recommendation will inform the draft RFP and JPB action on the final RFP at the July 2, 2015 meeting.

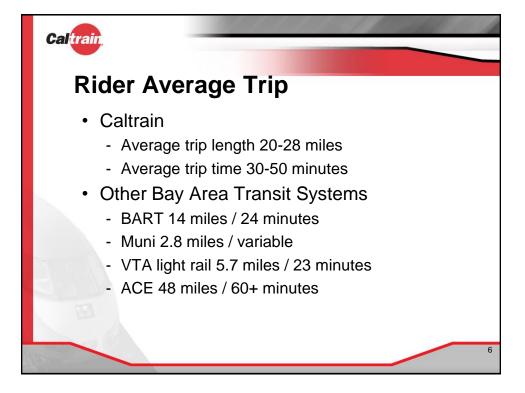


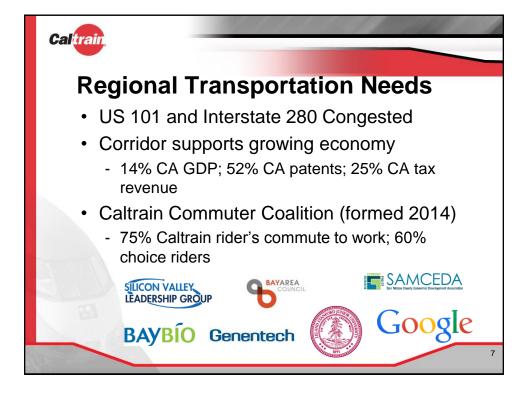




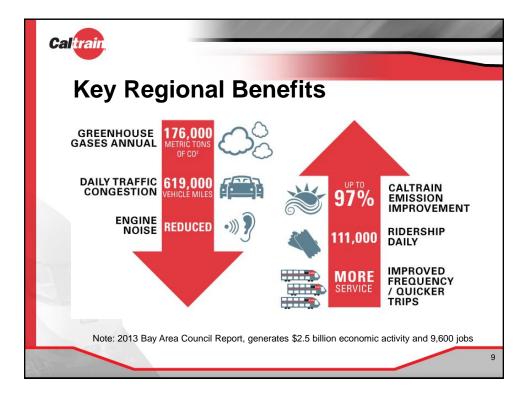
Caltrain				
Sta	andees	: 2015 Max	imum Loa	ds
		Northbound		
	Depart SJ	Percent of Seated Capacity (low season)	Percent of Seated Capacity (high season)	
	7:03 AM	135%	158%	
	7:45 AM	128%	150%	
	8:03 AM	127%	149%	
	5:23 PM	122%	143%	
	6:57 AM	122%	142%	
	7:50 AM	117%	137%	
	6:45 AM	108%	126%	
	6:50 AM	106%	124%	
	4:39 PM	106%	124%	
-	7:55 AM	103%	121%	
123	8:40 AM	102%	119%	
	4:23 PM	96%	113%	
	-			4



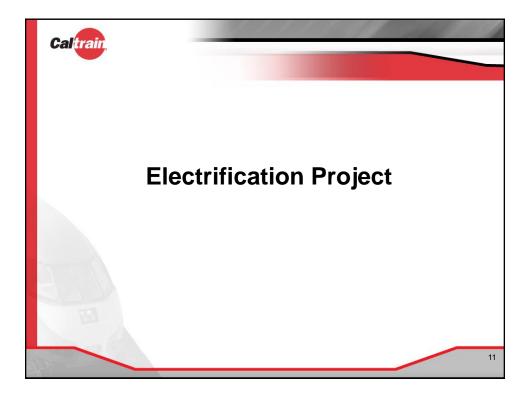


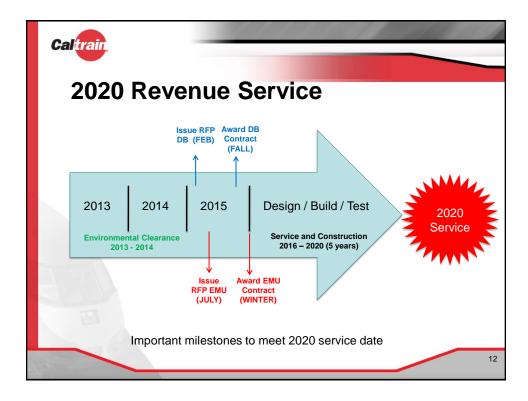






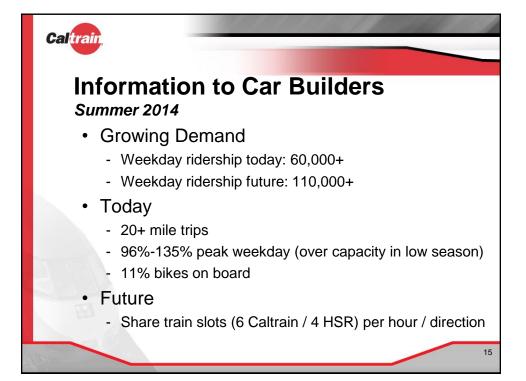
Metric	Today	PCEP
Trains / peak hour / direction	5	6
Example Baby Bullet Train		
Retain 5-6 stops	60 minutes	45 minute
Retain SF to SJ 60 minutes	6 stops	13 stops
Example Redwood City Station	,	
Train stops / peak hour	3	5



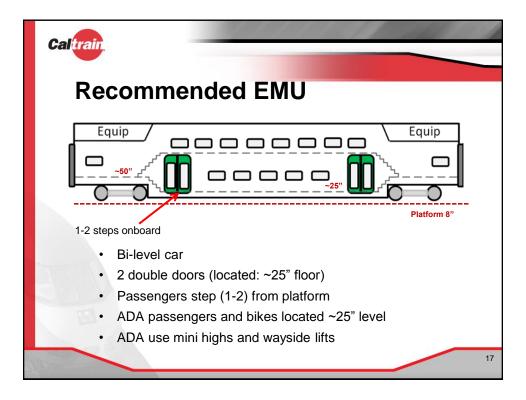


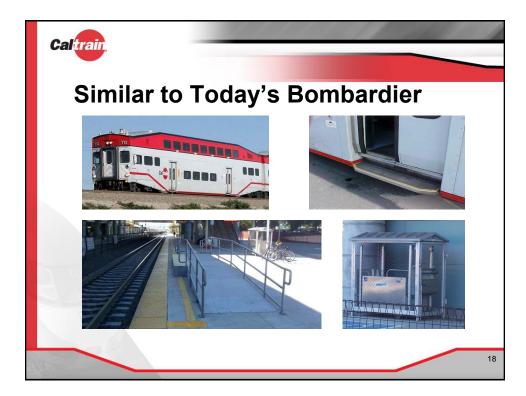




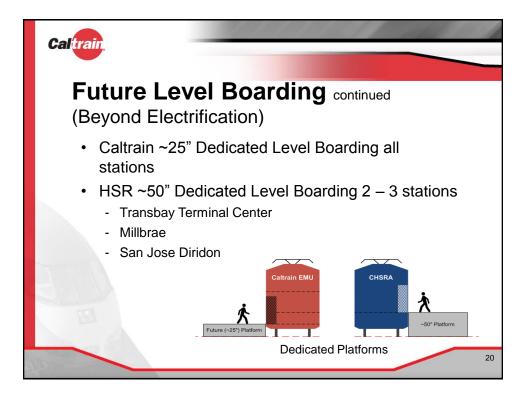


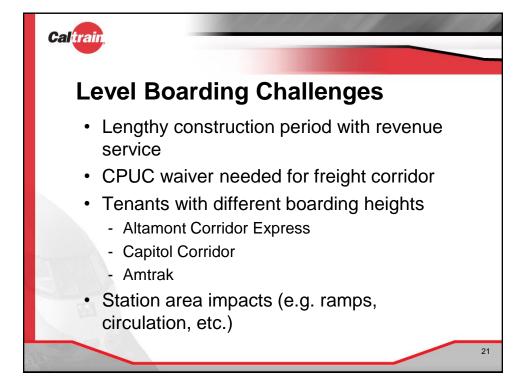
Request for Summer 2014	r Information
Attributes	Industry Confirmation
Maximize Capacity	Bi-level (versus single level)
Previously Made	Service proven options Saves costs / time
US Regulation Compliance	 ADA Buy America FRA Waiver / Alternative Compliant Vehicles Criteria Meet Caltrain Technical / Quality Standards
Floor Threshold	 2 double doors per car (low-level boarding) ~22" to ~25" most common
Note: Anticipate ade	quate competition for the RFP



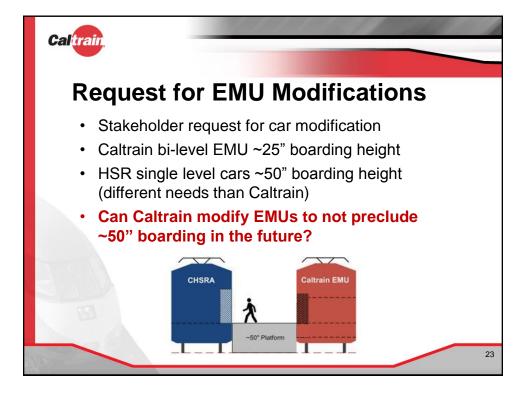


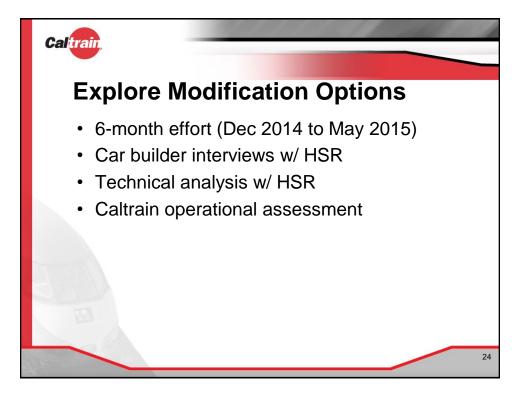


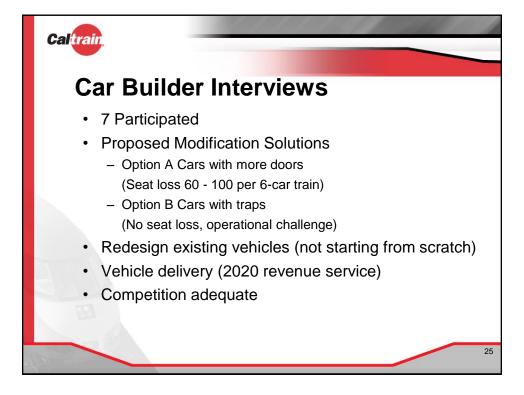




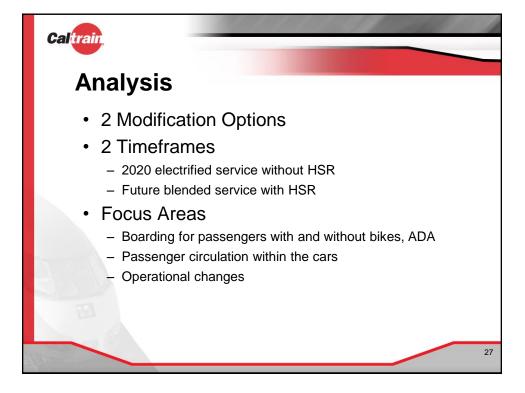


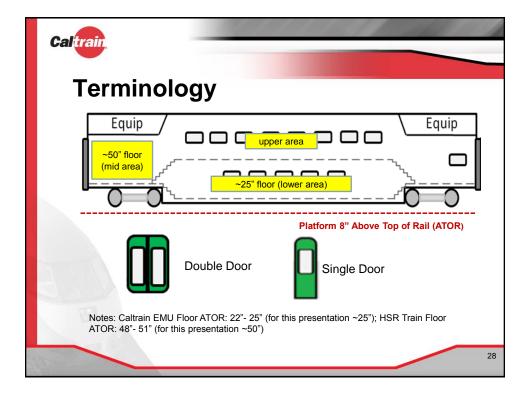


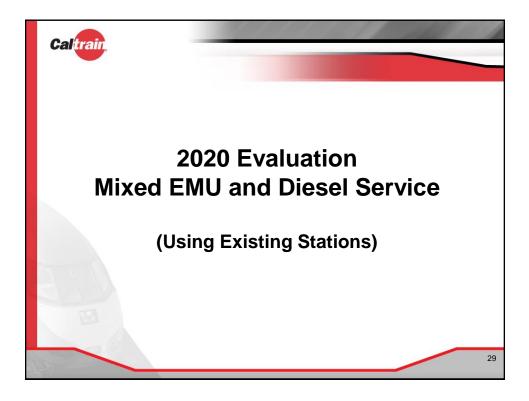


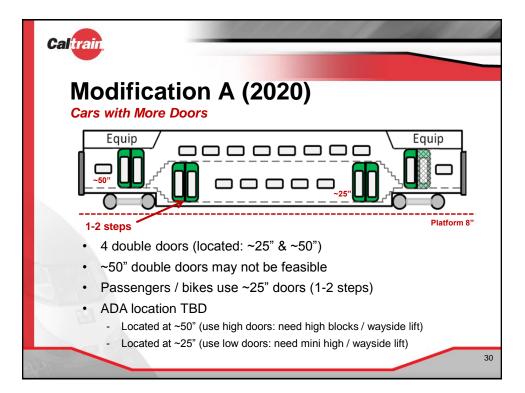




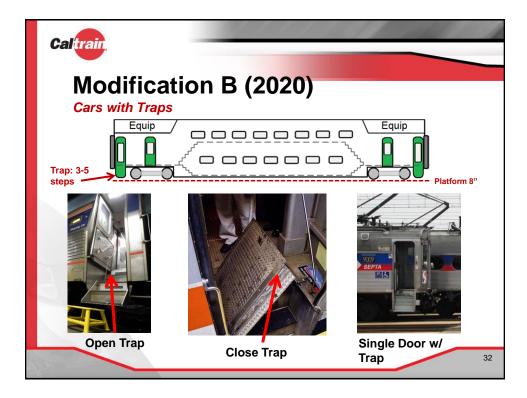


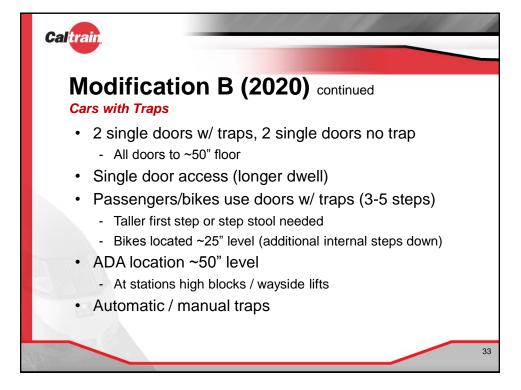


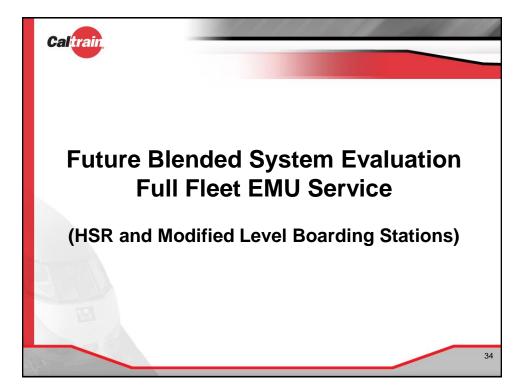


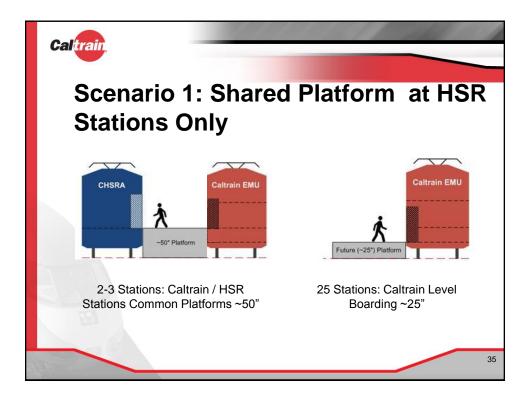


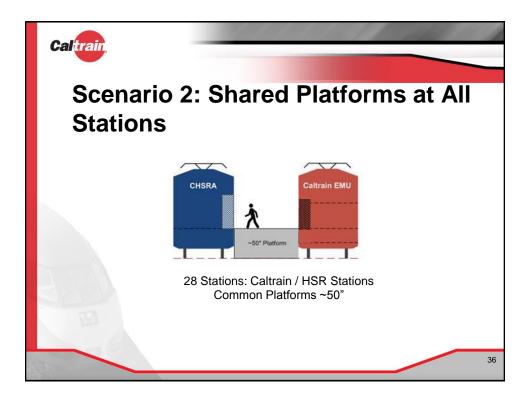


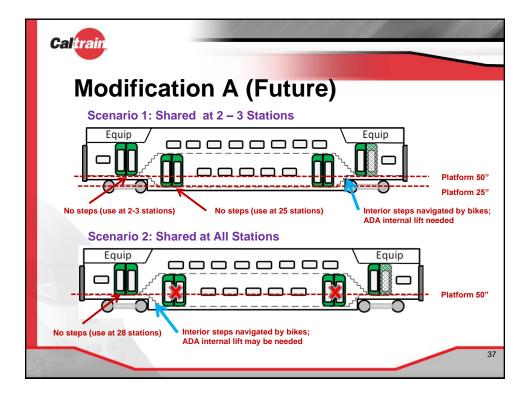


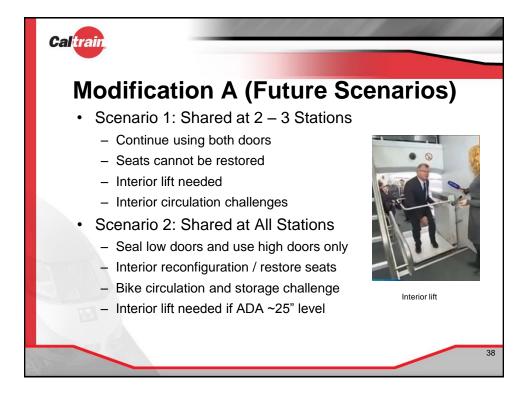


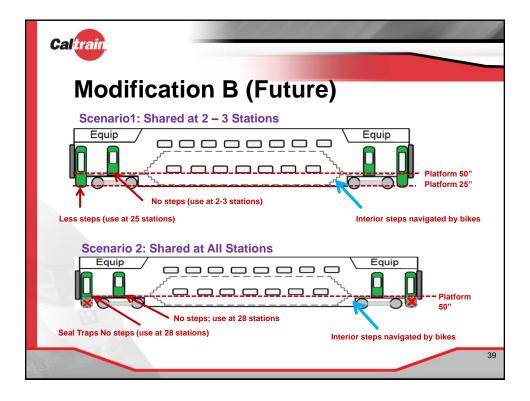


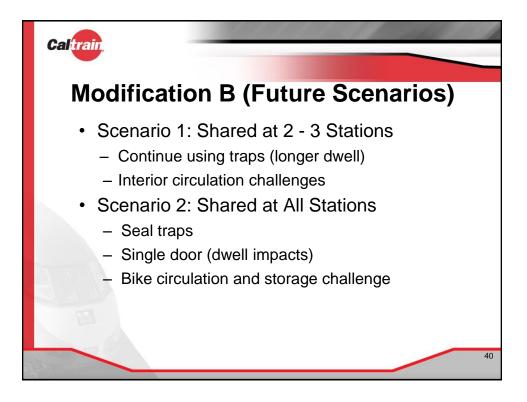




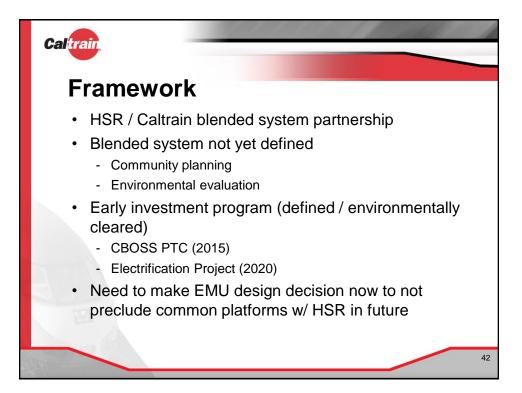


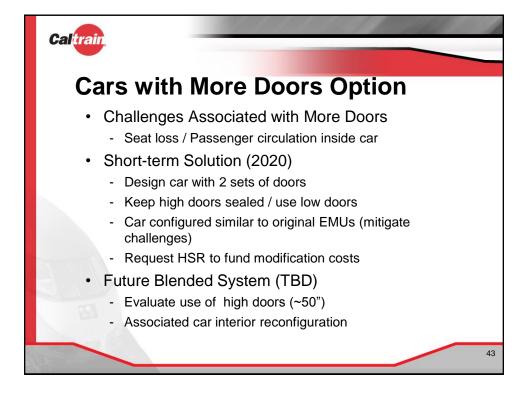








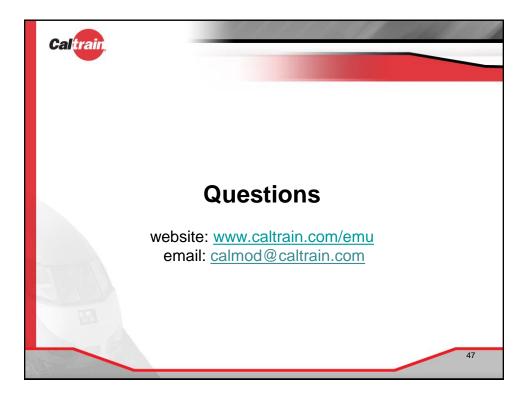














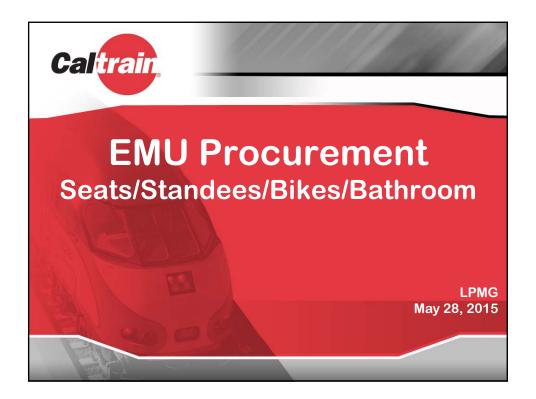
Memorandum

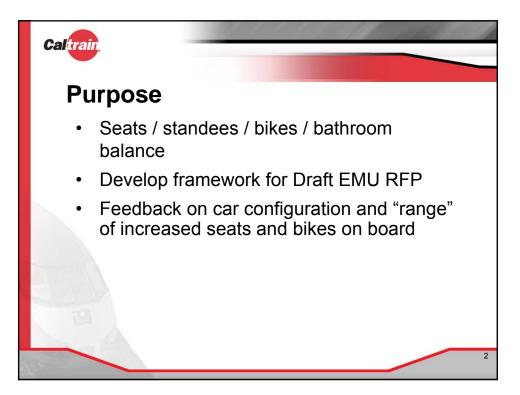
Date:May 28, 2015To:CalMod Local Policy Maker Group (LPMG)From:Marian Lee, CalMod Executive OfficerRe:EMU Request for Proposal: Seats, Standees, Bikes, Bathrooms Balance

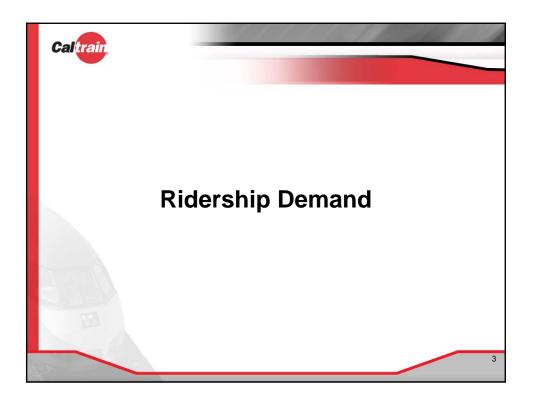
The EMU RFP is targeted for issuance in July 2015. The JPB will need to provide guidance on balancing seats and standee space, bikes on board and bathrooms in the new EMU cars.

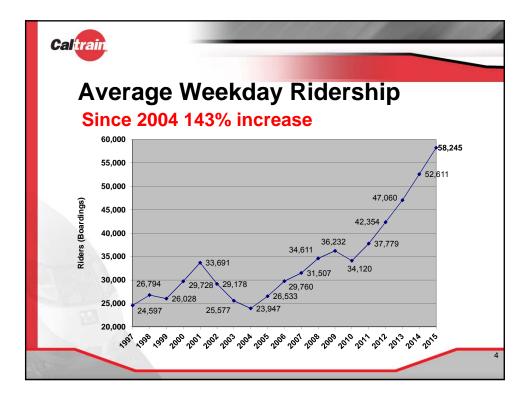
Staff is updating a few slides on the presentation and the updated version will be available at the May 28, 2015 LPMG meeting. Staff received feedback on this topic from the JPB Bicycle Advisory Committee and here is a link to the presentation they received: <u>http://www.caltrain.com/Assets/__Agendas+and+Minutes/BAC/Presentations/2015/2015-05-21+BAC+Seats-Standees-Bikes-Bathrooms.pdf</u> This topic will be presented as an informational item at the June JPB meeting.

Staff recommendation will inform the draft RFP and JPB action on the final RFP at the July 2, 2015 meeting.

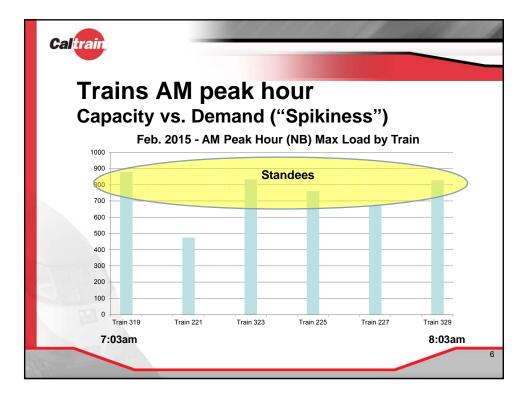




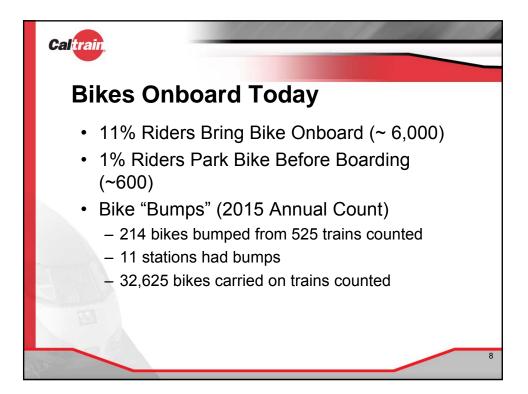




Caltrain			
Exceeding Capa	city T	oday	
		Northbound	
		Percent of Seated Capacity	Percent of Seated Capacity
	Depart SJ	(low season)	(high season)
	7:03 AM	135%	158%
	7:45 AM	128%	150%
	8:03 AM	127%	149%
	5:23 PM	122%	143%
	6:57 AM	122%	142%
	7:50 AM	117%	137%
	6:45 AM	108%	126%
	6:50 AM 4:39 PM	106% 106%	<u>124%</u> 124%
	7:55 AM	108%	124%
	8:40 AM	103%	119%
	4:23 PM	96%	113%
			5

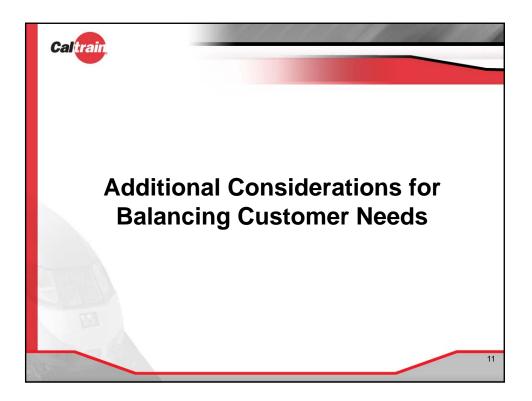


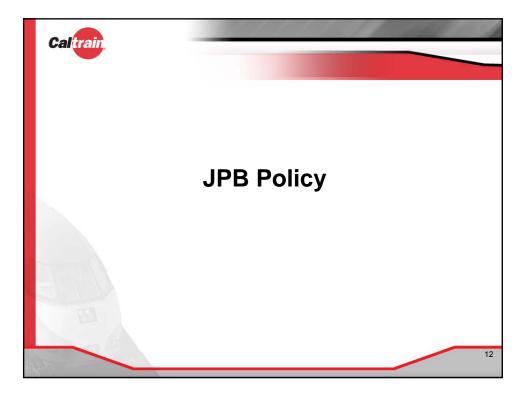
Cal	rain		
E	Bikes Onbo	ard Program	1
	Program bega	an in mid-1990s	
	Over time, rer	moved seats and a	added bike space
	Time period		dded per train /ing seats)
	Train Type	Gallery Train	Bombardier Train
-	2004	32	16
	Today	80	48
	Added Bombardiers	80	72
5			7



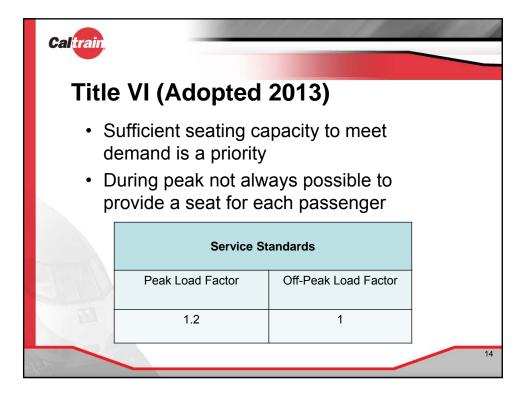


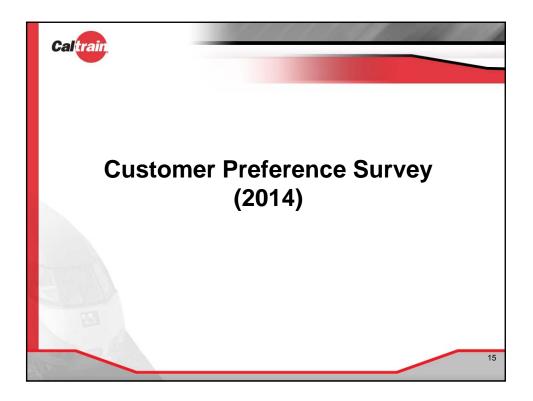


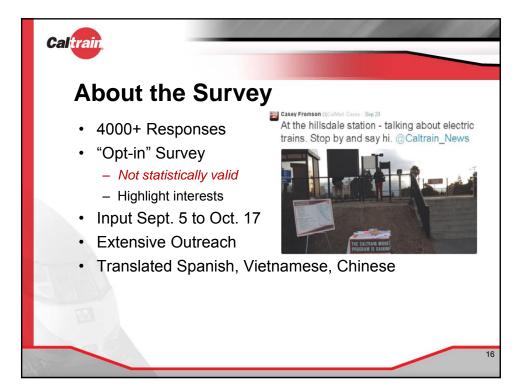












urvey Highlights		
eats / Standees	% of Survey Participants	
Average Trip Time (in train)	28% from 31 – 45 min 26% from 46 – 60 min	
Seat Availability (destination trip)	64% always 17% standing up to 10 min 7% standing more than 20 min	
Seat Availability (return trip)	57% always 19% standing up to 10 min 8% standing up more than 20 mi	

I <mark>rvey H</mark>	ighlights	continued
Description		% of Survey Partic
Brought bike onb	pard	44%
Bumped in last ye	ear	46% never 13% once 30% 2 – 12 tim
Staffed bike facili bringing a bike or	y as an alternative to	52% (yes)
Additional bike lo	ckers as an alternative?	49% (yes)
Additional shuttle	s provide an alternative?	47% (yes)
Bike sharing as a	n alternative?	39% (yes)

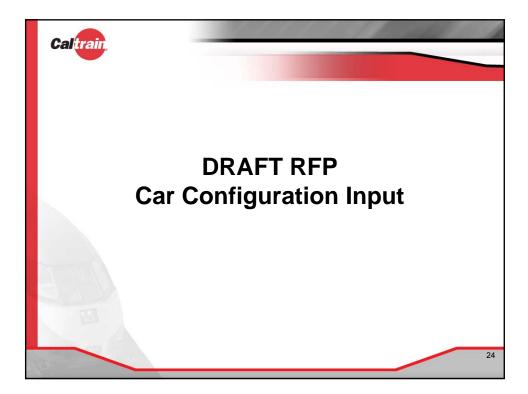
	vey Highli prooms	ghts continued	
	Description	% of Survey Participants	
	Use of bathroom	53%	
	How often utilized	2% never	
		23% once a year	
for and		60% twice – 12 times	
		13% multiple times per month	
		3% multiple times per week	
E		I	1
			19

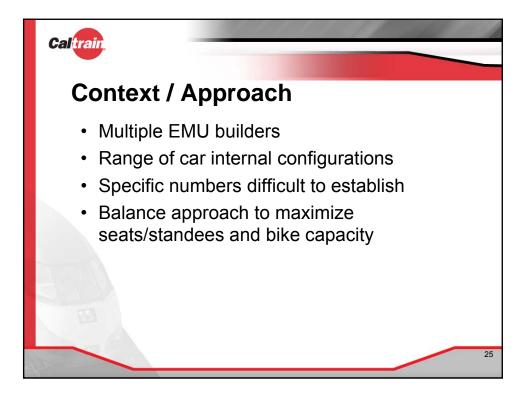
evel of Importance				
Rate on a sliding scale the importance	e of these features Very Important	s Unimportant		
Increase seating capacity	56%	2%		
Increase onboard bike capacity	38%	10%		
Increase standing capacity	22%	5%		
Increase bike storage at stations	22%	13%		
Include bathroom onboard	17%	14%		
Increase bike sharing kiosks at stations	16%	17%		
Increase luggage storage	3%	24%		

Survey Summary Results						
Prioritize what is most important to your riding experience (weighted average from ranking scale of 1 to 5)						
4.5						
3.26						
3.11						
2.18						
1.95						

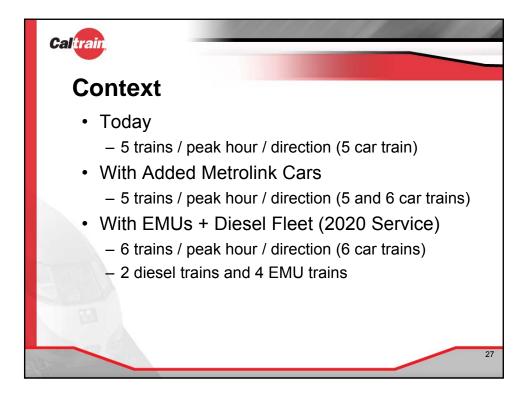


Service	Bathrooms (per train)	Bikes spaces on-board (per train)	Standees (load standard)	Frequency peak hour, direction (7am - 8am)	Average Trip Length / Time
VTA	0	6-18	1.2	up to 6	5.7 miles / 23 min
MUNI	0	0	N/A	up to 9	2.8 miles / N/A
BART	0	6-20	up to 1.6	up to 9	14 miles / 24 min
Caltrain	2-5	72-80	up to 1.2	up to 5	24 miles / 40 min
Capitol Corridor	Every car	25-32	1	up to 2	68 miles / 60+ mir
ACE	Every car	22-54	1	up to 2	N/A









CEP Servic	e Benefit	S			
Metric	Today	PCEP			
Trains / peak hour / direction	5	6			
Example Baby Bullet Train					
Retain 5-6 stops	60 minutes	45 minutes			
Retain SF to SJ 60 minutes	6 stops	13 stops			
Example Redwood City Station					
Train stops / peak hour	3	5			

train	10			
Capacity Pe	ak H	our	/ (NB)	Directio
Metric	Seats	Bikes	Standees	Ratio Seats to Bikes
Today*	3,250	336	1,050	10:1
(with turnover)	5,330	551	1,722	
Add Bombardier Cars*	3,502	384	1,170	9:1
(with turnover)	5,743	630	1,919	
Example EMU	3,712	392	2,160	9:1
(with turnover)	6,459	682	3,758	Staff Rec.
Notes: * Example pea • Example EMU			may vary in a give	en hour)









Summary Notes

The purpose of these notes is to capture key discussion items and actions identified for subsequent meetings.

MEMBERS PRESENT: C. Wiest (Atherton), C. Lentz (Brisbane), J. R. Ortiz (Burlingame), W. Lee (Millbrae), K. Keith (Menlo Park), Pat Burt (Palo Alto), Ron Collins (San Carlos), J. Matthews (San Mateo), G. Gillett (San Francisco), J. Davis (Sunnyvale)

CHAIR - Acting: K. Matsumoto (South San Francisco)

MEMBERS ABSENT: B. Pierce (Redwood City), A. Kalra (San Jose), K. Ibarra (San Bruno), J. Matthews (Santa Clara), C. Clark (Mountain View), C. Stone (Belmont), A. Tissier (JPB Representative)

VACANT SEAT(S): San Francisco County, San Mateo County, Santa Clara County

CALMOD TEAM PRESENT: D. Chung, D. Couch, C. Fromson, M. Lee

JPB Staff Report

- Jim Harnett has been named the new CEO of Caltrain. He is looking forward to working with the cities in moving the CalMod Program forward.
- The CBOSS PTC project continues to make progress on both the installation and testing work. No new complaints since the last meeting.
- Caltrain has been conducting a detailed tree survey along the Caltrain corridor from San Francisco to Tamien station in San Jose. This tree survey WILL NOT identify which trees will be removed or pruned as part of the Peninsula Corridor Electrification Project (PCEP). The purpose of the survey is to create a detailed tree inventory on the corridor. The survey is expected to be complete by summer 2015. Following completion of the tree survey, Caltrain staff will work closely with each county and city, including local arborists, on the development of the tree avoidance, minimization and replacement plan.



Information/Discussion Items

Peninsula Corridor Electrification Project Quarterly Update

The LPMG received the quarterly report on project delivery activities. The update highlights procurement activities for both the Electrification and Vehicle contracts.

Electrification Infrastructure

The Request for Proposals (RFP) for the Design-Build contract was issued to the six pre-qualified teams and the public can view a copy of the Electrification RFP on the website: <u>www.caltrain.com/calmod</u>. Several amendments to the RFP will be issued over the next several weeks. JPB is scheduled to award the Design-Build contract in fall 2015.

Electric Multiple Units (High-Performance Vehicles)

Caltrain / HSR staff conducted analysis and met with car builders to discuss options to modify the design of Caltrain EMUs to support compatible platforms with HSR trains in the future. The presentation highlights the benefits and challenges of modifying the vehicles. Caltrain's operations department will review the options and their findings will be presented at the May JPB meeting and brought back to the LPMG in June.

The process to vet different vehicle modifications started in December 2014 and was initiated based on requests from stakeholders to support common platforms with HSR in the future. JPB policy action on the vehicle RFP is expected in summer 2015, after a public dialogue on the compatibility analysis and seats/standees/bike/bathroom balance discussion is complete.

LPMG members' key comments include the following:

- Several members asked clarifying questions about how the alternative cars would function on the Caltrain corridor and how platform construction would be phased at different heights / lengths. (Staff noted that it could be beneficial do the platform construction for lengthening and level boarding at the same time and that no money is available at this time for that project. Staff also noted that retrofitting the platforms is a challenging construction program and will take multiple years.)
- Several members asked which platforms would be impacted and what the benefits of common platforms are. (Staff noted that HSR's current business plan calls for HSR

stations at the Transbay Terminal Center (TTC), Millbrae, and Diridon. The benefits of common platforms include system flexibility and faster recovery from incidents.)

- One member commented that raising platforms to 50" would be a significant impact.
- One member suggested a significant benefit of common platforms was funding from HSR for level boarding and reduced station footprints. The member also commented on the importance of level boarding for TTC which will be a future high ridership station.
- One member asked about how HSR was going to interface with Metrolink in LA and if they were facing a similar issue. (Staff responded that HSR has separate tracks for the majority of the route and in Southern California they don't share the corridor the same way it does with Caltrain. Staff said they would check in with LA and see if there might be any helpful insights.)
- There was discussion about how common platforms would impact the design of the future HSR Millbrae Station. It was expressed that common platforms would reduce the station footprint. (Note: Staff is not aware of any analysis /documentation that show common platforms to result in a reduced footprint.)
- Several members discussed the importance of funding grade separations on the corridor. (Staff noted there are over 40 at-grade crossings on the corridor and each county has different funding mechanisms to support grade separation projects.)

Public Speakers:

- A public speaker expressed support for the LPMG reviewing this issue and asked that future presentations contain information about projected capacity and dwell time impacts to using internal stairs in the modified cars. The speaker also expressed support for any efforts to make the Transbay Terminal Center more efficient because it would be an important future high ridership station.
- A public speaker stated that HSR should look at different boarding heights, not Caltrain.
- A public speaker said the benefits of 50" platforms are unclear. Operations staff should explain how cars with extra doors could be difficult for ADA passengers and how passengers with bikes would have a difficult time using cars with traps. The speaker also stated that the problem is at the Transbay Terminal Center and the solution should be modification to the station design not the vehicles. The speaker provided his website for more information: <u>http://www.transitunlimited.org/User:Andy</u>



Public Comments

- A public speaker voiced support for grade separations and the benefits of the common platforms on schedule and TTC operations.
- A public speaker said there should be a HSR station that connects directly to the SFO airport and doesn't require multiple transfers.

LPMG Member Comments/Requests

- Grade Separations: Interest was expressed by the City/County of San Francisco to discuss coordinating grade separation efforts and projects in the Caltrain corridor.
- LPMG Scope and Purpose: Interest was expressed by the City of Palo Alto to expand the scope of the LPMG from the CalMod Program to Caltrain matters in general.