



Caltrain Level Boarding Discussion

JPB BAC
November 21, 2013



Level Boarding Important to Caltrain

- No steps up/down between platform and train
- Key benefits
 - Safety
 - Operating Efficiencies
 - Passenger Convenience
 - ADA
- Examples
 - BART, Muni (no tenants)





Caltrain Corridor Today

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Peninsula Corridor

- 32 Caltrain Stations
- Shared System with Multiple Tenants
 - Altamont Corridor Express
 - Capitol Corridor
 - Amtrak
- Freight

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No Level Boarding Today

Platform height 8" above top of rail	
Caltrain Vehicle Thresholds	<ul style="list-style-type: none"> • Bi-level <ul style="list-style-type: none"> - 18" 1st step (25" @ floor) • Gallery <ul style="list-style-type: none"> - 18" 1st step (45" @ floor)
Tenant Vehicle Thresholds	<ul style="list-style-type: none"> • ACE <ul style="list-style-type: none"> - 18" 1st step (25" @ floor) • Capitol Corridor <ul style="list-style-type: none"> - 18" @ floor • Amtrak <ul style="list-style-type: none"> - 18" @ floor



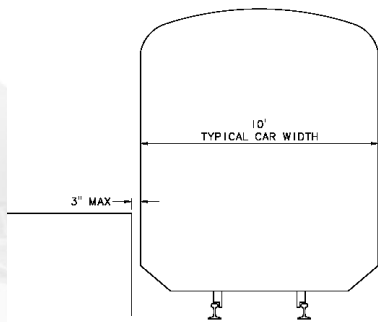
Bi-level



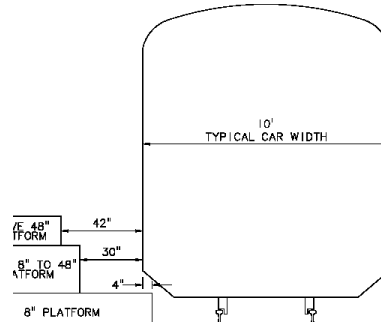
Gallery

Subject to Conflicting Regulations

ADA: Platform and vehicle together



CPUC: Platform and vehicle apart



Regulation Compliance

- Mini highs
- Wayside and onboard lifts
- Hand-crank lifts (backup)



Future Caltrain Level Boarding

Intermodal Stations with Dedicated Platforms



Essen Central Station,
Germany



L.A. Union Station, USA



Denver Union
Station, USA
(construction)

Future Shared Corridor

- Increased Multiple Tenants
- Different Vehicle Thresholds
 - Future Caltrain (25")
 - ACE, CC and Amtrak (18")
 - HSR (50")
- Freight
- Conflicting Regulations



Future Caltrain System with Level Boarding

- Caltrain level boarding SF to SJ
 - 27 stations
 - Funding needed
 - CPUC waiver (TBD)
- SJ to Gilroy TBD (UP-owned ROW)
 - 5 stations
- Dedicated tenant platforms
 - 4 stations
 - Diridon and Santa Clara (ACE, CC and Amtrak)
 - Millbrae and Transbay Terminal (HSR)

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Why 25" for Caltrain?

- Service Proven EMU Options
 - Single Level EMU at 50"
 - Bi-level EMU at 25"
- Bi-level Recommended
 - Maximizes capacity
 - Compatible with existing fleet during mix fleet operations
 - Removable 18" 1st step

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Next Steps

- Long-term Level Boarding Effort
 - Planning and analysis TBD
 - Timing TBD
- Begin Public/Stakeholder Dialogue
 - CSCG, PCWG, LPMG presentations
 - Friends of Caltrain
- Short-term Inform EMU Discussions

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Discussion

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