

California High-Speed Train Project



Agreement No.: HSR 13-06
Book 3, Part D, Subpart 8

City of Fresno Design Guidelines Clarifications

FRESNO DESIGN GUIDELINES: CLARIFICATIONS

ITEMS TO BE INCORPORATED IN CP-1 BIDS

ref. Fresno Design Guidelines (FDG) June 15, 2012*

Index to Bidder Direction

Tier 1: Incorporate into proposal; as long as consistent with contract documents, environmental clearance, identified R/W and adopted City standards.

Tier 2: Items not to be included in proposal.

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FDG Page	Guidelines Element	FDG Recommendation	Tier 1	Tier 2	Remarks
6	Introduction	Increase min. sidewalk width to 14' both sides of all overcrossings	X		General recommendation to be applied at designated downtown locations; see Note e
6	Introduction	Provide 14-16' sidewalks on one side of overcrossings where space limited	X		General recommendation to be applied at designated downtown locations; see Note e
6	Introduction	Employ "aerodynamic" aesthetics to all major elements, etc.	X		Note a
8	Elevated Guideways	Employ "aerodynamic" aesthetics to all major elements, etc.	X		Note a
9	Elevated Guideways	Curved, smooth elevated structures, etc.	X		Note a
10	Elevated Deck/Barrier Edge	Curved edges; solid concrete barrier, etc.	X		Note a
10	Elevated Structures: Piers	Round, aerodynamic, etc.	X		Note a
11	Straddle Bents	Round piers, aerodynamic, etc.	X		Note a
12	Train Crash Barriers	Fractured fin CIP barrier walls	X		Note a
12	Art Projects	Opportunities for art at street crossings	X		Note c
13	Fill Wall Sections	Fractured fin texture, wall caps, design integration	X		Note a

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14	Trench/Cut Walls	Broken fin texture, railing coordination, etc	X		Note a
16	Traction Power Substations	Landscape screening “as needed” around TPSS	X		
17	Interlocking Sites	Landscape screening “as needed” around interlocking sites, etc.	X		
18	Lighting	Incorporate current City street lights on new overcrossings	X		Consistent with Fresno City Public Works standards
19	Fencing	Consistent fence material and design through City limits	X		Ref. TM 200.06 sec. 3.1.6
20	Railings	To be a derivative of City’s “best steel picket railing”	X		Consistent with Fresno City Public Works standards.
21	Integrated Railing/ Barrier	Concrete parapets at HSR guideways	X		
22	Sidewalks, Pedestrian, etc.	General directive to separate paths from auto lanes	X		General recommendation to be applied at designated downtown locations; see Note e
22	Sidewalks, Pedestrian, etc.	Increase min. sidewalk width to 12’ both sides of all overcrossings	X		General recommendation to be applied at designated downtown locations; see Note e
24	Northern Gateway	Through-arch for primary span over San Joaquin River	X		Note f
24	Northern Gateway	Apply guideway aesthetics to straddle bents	X		Note a

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26	Southern Gateway	Through-arch spans over SR99 and Cedar Avenue	X		Note f
26	Southern Gateway	Apply aerodynamic aesthetics to straddle bents	X		Note a
30	Herndon, Vet's, Shaw, Ashlan	Employ "aerodynamic" aesthetics to all major elements, etc.	X		Note a Ashlan work by Others
30	Herndon, Vet's, Shaw, Ashlan	Provide 14' walks both sides OR 14-16' sidewalks on one side		X	Ashlan work by Others
30	Herndon, Veterans, Shaw, Ashlan	Design for continuity of aesthetic treatments and paths at interchange with SR99		X	Ashlan work by Others
30	Shaw and Ashlan	Use landscaped berms to reduce apparent height of walls	X		Ashlan work by Others
32, 33	Prototypical Grade Crossing	Employ "aerodynamic" aesthetics to all major elements, etc.	X		
32, 33	Prototypical Grade Crossing	Decrease median, increase sidewalks, reallocate space	X		Note b
34	Golden State/ Herndon Ave.	Rebuild these streets to city st'ds: 12' sidewalks and 7' bike lanes both sides		X	Subject to verification with City planning standards
35	Veterans	Provide sidewalks 14' wide on each side of the bridge.		X	This is a City task; contractor shall coordinate HST interfaces.
35	Veterans	Provide periodic pedestrian and bike connections up to viaduct.		X	This is a City task; contractor shall coordinate HST interfaces.
35	Veterans	Consider berms and landscaping to reduce apparent height.		X	This is a City task; contractor shall coordinate HST interfaces.

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36	Shaw Ave.	Provide sidewalks 14' wide on each side of the bridge.		X	
37	Ashlan Avenue	Provide sidewalks 14' wide on each side of the bridge.		X	Ashlan work by Others
38	Urban Alignment	Accommodate pedestrians and bikes. Extend streetscape.	X		General recommendation to be applied at designated downtown locations; see Note e
38	Urban Alignment	Separate bike and pedestrians from autos vertically & horizontally.	X		General recommendation to be applied at designated downtown locations; see Note e
38	Urban Alignment	Provide sidewalks 12' wide on each side of the bridge.	X		General recommendation to be applied at designated downtown locations; see Note e
38	Urban Alignment	Underpass sidewalk shall be 14' minimum width.	X		General recommendation to be applied at designated downtown locations; see Note e
38	Urban Alignment	Refine the length of sloped transitions to minimize impact	X		
42	Clinton Avenue	Provide sidewalks 14' wide on each side of the bridge.		X	Work by Others
43	McKinley Avenue	Provide sidewalks 14' wide on each side of the bridge.		X	
44	Olive Avenue	Provide sidewalks 14' wide in lieu of crash cushions		X	

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44	Olive Avenue	Use landscape berms to reduce apparent height of wall	X		
45	Belmont Avenue	Provide sidewalks 14' wide on each side of the bridge.		X	
45	Belmont Avenue	Reduce the length of grade transition.	X		Note d
46	Roeding Park	Add landscaping along eastern park edge	X		
49	Downtown Pedestrian Flow	Pedestrian/bike bridge in Tuolumne ROW		X	Addition of a pedestrian bridge is a future task.
50	Stanislaus Street	Include pedestrian/bike space one or both sides	X		Note e
51	Tuolumne Street	Provide a pedestrian bridge with connection at H and G streets		X	Addition of a pedestrian bridge is a future task.
52	Downtown Fresno	Provide generous at-grade sidewalks	X		Specific sidewalk dimensions per City Planning standards to be determined during final design.
52	Downtown Fresno	Bring Fresno Street to grade. Eliminate the underpass.		X	This is a part of future station planning work
53	Tulare Street	Provide sidewalks 16' wide one side, 12' the other.	X		Note e
53	Ventura Avenue	Evaluate the need for pedestrian bridge.		X	This is a part of future station planning work

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54	G and H Streets	Create high-quality pedestrian environment around station		X	H Street modifications will be part of future station work.

Notes:

- a: Consistent with aesthetics guidelines in TM 200.06
- b: Reconfiguration to be implemented to the extent that overall width of structure remains the same
- c: Costs of design, materials and installation of Public Art shall be borne by the Public Art Subcontractor. DB contractor shall provide appropriate substrate for artwork as provided: \$50,000.00
- d. Preliminary design is based on approved design speed and clearance over HST.
- e. Sidewalk width shall be 12-14' where noted under designated Downtown streets as shown in Figure 9.7A, page 39. DB Contractor shall include the desired sidewalk widths provided that they can be accommodated within the Right-of-Way as delineated in the ROW Acquisition Plan and within the requirements of the environmental documents.
- f. As part of the RFP Technical Proposal evaluation process, the Design Build proposers shall submit a "baseline" and "superior" aesthetic and structural design solutions for the Northern and Southern Gateways. The FDG's recommended through-arch spans represents one example of the RFP's "superior" design approach. Alternative proposals for other visually attractive curvilinear forms may also qualify as a "superior design". At the southern gateway, a support in the median of SR99 is assumed to be allowed.

END