CA|RR|D
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December 10, 2010

Mr. Jeffrey Barker
Deputy Director, California High-Speed Rail Authority
925 L Street, Suite 1425
Sacramento, CA 95814

Dear Mr. Barker,

Pursuant to the California Public Records Act, Government Code Sections 6250 et seq., we request that you make available to us for our review and copying, the public records in the possession of the High Speed Rail Authority (HSRA) known as the "Technical Memos". We would ask for them immediately, as our original request was made this summer.

These documents are guidelines authored by Parsons Brinckerhoff program management staff, ensuring that early designs for each high-speed rail section are consistent and compatible. There is a schedule for release of these documents. Each document is only released after careful review by Authority contractors and staff. Each document has 9 signoffs required, prior to release to the Authority by Parson Brinkerhoff. According to the text that accompanies each Technical Memo,

> "System level reviews are required for all technical memorandums. Technical Leads for each subsystem are responsible for completing the reviews in a timely manner and identifying appropriate senior staff to perform the review."

In January 2010, the Authority made available to us 55 of the Technical Memos that had been released, based on our Public Records Act request. These were then posted on several websites and have been widely available for public review. For instance, Technical Memos can be found at http://caltrain-hsr.blogspot.com/2010/01/prescriptive-framework.html. A description and delivery schedule of these Technical Memos is on pages 52-61 of the CHSRA's Program Summary Report (http://cahighspeedrail.ca.gov/WorkArea/DownloadAsset.aspx?id=1080). Those pages are included as an attachment.

In June this year, we made a request for the most recent Technical Memos. This time, the Authority refused our request. According to a July 30, 2010 email received from Carrie Pourvahidi:

> "Technical memoranda that have been received by the Authority but not accepted by it, as in the case of a memorandum that is incomplete and needs further work by the consultant before it can be used by the Authority, fall within the category of "preliminary drafts" within the meaning of Government Code section 6254, subdivision (a), and within the exception set forth in section 6255. The public interest in disclosing such drafts is clearly outweighed by the public interest in disclosure since inaccurate or erroneous memoranda on which the Authority does not rely would cause unwarranted confusion if released in that condition."

We would make three points.

First, according to this email, the Authority is not actually arguing that all Technical Memos are draft documents. The Authority states that it is memos that are incomplete and require further work that are draft documents. As the Authority has provided us not a single memo since January, we can only conclude that all technical memos which were signed off and delivered by Parsons Brinckerhoff since January 2010 are considered incomplete and unusable.

Second, Government Code section 6254, subdivision (a), applies to preliminary drafts which are *not* retained by the public agency in the ordinary course of business. We point out that these documents are defined in the Program Summary Report and are accompanied by a formal schedule of delivery with extensive signatory approval, and furthermore they form the technical foundation for the construction of the project, and therefore are indeed part of the ordinary course of business.

Third, the Technical Memos which were released to us in January 2010 were posted on several websites and widely viewed by many. If your assertion is that releasing the updated documents would not be in the public's interest because it would cause "unwarranted confusion", please provide evidence of the harm that's been caused by the prior release.

The Public Records Act provides specific exemptions from disclosure; however, as previously stated, this set of documents does not fall within the acceptable exemptions.

> 6254. Except as provided in Sections 6254.7 and 6254.13, nothing in this chapter shall be construed to require disclosure of records that are any of the following:
> (a) Preliminary drafts, notes, or interagency or intra-agency memoranda that are ***not*** retained by the public agency ***in the ordinary course of business, if the public interest in withholding those records clearly outweighs the public interest in disclosure***.

Pursuant to the Public Records Act, we request a response under one of the following:

1. You intend to send the documents – please specify a date.
2. You do not intend to send them – please provide an explanation. Reasons given should comply with the Public Records Act and should address a) how these Technical Memos are in draft form, unlike the January release; b) how they are not within the ordinary course of the HSRA's business; and c) how withholding these documents would serve the public interest and outweigh the benefits of having this critical information available to all stakeholders as they seek to provide comments to the Authority for the largest public works project in the state.

The recourse for your not complying with this law is for us to institute proceedings for injunctive or declarative relief to enforce our right to inspect or receive a copy of these records. (Section 6258.) We prefer not to resort to that, but after six months of pleading for these records we're running out of options.

Sincerely,

Rita Wespi
Co-founder, CARRD

ATTACHED: 2009 Program Summary Report – "PMT Deliverables Checklist: Engineering Technical Memoranda".

For a detailed list of Program Management Team deliverables for fiscal year 2008 – 2009 and beyond, see the PMT Deliverables Checklists tables on the following pages.

PMT Deliverables Checklist: PMT Environmental

CALIFORNIA HIGH-SPEED TRAIN PROJECT REGIONAL CONSULTANT DELIVERABLES		FY 08/09				FY 09/10				FY 10/11				FY 11/12				FY 12/13			
PMT Environmental	**Deliverable Format No of Sheets Plan Report etc**	S	D	M	J	S	D	M	J	S	D	M	J	S	D	M	J	S	D	M	J
Project-Level Environmental Analysis Methodologies - Version 1	Report	X																			
Project-Level Environmental Analysis Methodologies - Version 2	Report			X																	
Project-Level Environmental Analysis Methodologies - Version 3	Report							X													
Project-Level Environmental Analysis Methodologies - Version 4	Report											X									
Alternatives Analysis Methods For Project-Level EIR/EIS	Report		X																		
Document Format Guide	Report				X																
Scoping Guidelines for Project-Level EIR/EIS	Report				X																
Multi-Lingual Guidelines for Public/Stakeholder Outreach	Report				X																
Guidance on Application of Advanced Mitigation Measures to other Projects Affected by HST	Report				X																
Noise Mitigation Policy	Report					X															
Statewide Traffic Impact Significance Criteria	Report																				
Parking Policy	Report					X															
Independent Utility/Logical Termini of HST Sections	Report			X																	
Public/Stakeholder/Agency Coordination Plan For Project-Level EIR/EIS	Report				X																
Strategy for Funding Staff Positions at Resource Agencies	Report				X																
USACOE 404 Permit MOU	Report				X																
SHPO Programmatic Agreement	Report					X															
Design Needed for Enviromental Permitting	Report					X															
EIR/EIS Section Templates																					
Transportation	Report			X																	
Air Quality	Report			X																	
Noise & Vibration	Report			X																	
EMF/EMI	Report			X																	
Biological Resources and Wetlands	Report			X																	
Geology, Soils, & Geological Resources	Report			X																	
Hazardous Materials	Report			X																	
Socioeconomic, Communities, & Environmental Justice	Report			X																	
Local Growth, Station Planning, & Land Use	Report			X																	
Aesthetics & Visual Quality	Report			X																	
Public Utilities & Energy	Report			X																	
Agricultural Land	Report			X																	
Hydrology & Water Resources	Report			X																	
Cultural Resources	Report			X																	
Safety & Security	Report			X																	
Section 4(f) and Section 6(f) Evaluations	Report			X																	

PMT Deliverables Checklist: Engineering Technical Memoranda

California High Speed Train Project	Target Completion Date Dark Green - Completed Light Green - Complete in FY 08/09 Yellow - Complete in FY 09/10 White - beyond FY 09/10	FY 07/08					FY 08/09				FY 09/10				FY 10/11			
Technical Memorandum		J	S	D	A	J	S	D	M	J	S	D	M	J	S	D	M	J
Program Management																		
TM 0.0 CHSTP Tech Memo Style Guide	Completed																	
TM 0.0a Terms and Acronyms	Completed					X												
TM 0.1 15% Design Scope - R1	Completed					X												
TM 0.2 Tech Memo Review Protocol	Completed						X											
TM 0.3 Basis of Design R1	Completed			X														
TM 0.3 Basis of Design Policy	30-Jun-09								X									
TM 0.4 Project Development Process - R0	Completed			X														
TM 0.5 Coordination with Caltrans - R0	Completed					X												
TM 0.6 RM TM No. 1 -- Initial Risk Register - R0	Completed	X																
TM 0.7 Design Submittal Protocol - R0	Completed						X											
TM 0.8 Programmatic Cost Update Methodology and Back-up - R0	Completed					X												
TM 0.9 Draft RPA Protocol	30-Jun-10													X				
GENERAL DESIGN - INFRASTRUCTURE																		
TM 1.1.0 Design Criteria - Initial Release - Alignment and Platforms - R0	Completed	X																
TM 1.1.1 Design Standards and Codes of Practice	30-Sep-09										X							
TM 1.1.2 Design Life	30-Sep-09										X							
TM 1.1.4 Mapping & Surveys Design	Completed					X												
TM 1.1.5 CADD Standards	Completed							X										
TM 1.1.6 Alignment Std for Shared Use Corridor - LA to Anaheim	Completed				X													
TM 1.1.7 Shared Use Corridor HST Criteria -- Caltrain Corridor	30-Jun-10													X				
TM 1.1.8 Divisions, Track Designation, Mileposts and Stationing	30-Jun-09								X									
TM 1.1.9 Flooding and Drainage	30-Jun-10													X				
TM 1.1.10 Structure Gauge	30-Jun-09								X									
TM 1.1.16 Shared Use Corridor HST Criteria	Completed			X														
TM 1.1.18 Design Variance Guidelines	Completed					X												
TM 1.1.19 Cost Estimating 15% Methodology - R0	30-Jun-09								X									
TM 1.1.21 Typical Cross Sections - R0	Completed							X										
TM 1.1.22 Cost Estimating 30% Methodology - R0	30-Jun-10													X				
TRACK ALIGNMENT																		
TM 2.1.2 Alignment Design	Completed								X									
TM 2.1.3 Turnouts	30-Jun-09								X									
TM 2.1.5 Track Design	31-Mar-10												X					
TM 2.1.6 Ballastless Track	31-Dec-09											X						
TM 2.1.7 Intrusion Protection	Completed							X										
TM 2.1.8 Station and Yard Track	31-Dec-09											X						
STATION DESIGN																		
TM 2.2.2 Station Functional Requirements	30-Jun-09								X									
TM 2.2.3 Parking & Site Configuration	30-Jun-09								X									
TM 2.2.4 Station Platform Geometric Design	Completed					X												
BRIDGE DESIGN																		
TM 2.3.1 Aesthetic Guidelines for HS Aerial Structures	30-Jun-09								X									
TM 2.3.2 Loadings	30-Jun-09								X									
TM 2.3.3 Design Guidelines for Bridges and Viaducts	30-Sep-09										X							
TUNNEL DESIGN																		
TM 2.4.2 Basic Tunnel Configuration	30-Jun-09								X									
TM 2.4.5 Tunnel Structural Design	31-Mar-10												X					
TM 2.4.6 Portals, Entrances, Ramps	31-Mar-10												X					
TM 2.4.8 Service and Maintenance Requirements	30-Jun-10													X				

California High Speed Train Project	Target Completion Date Dark Green - Completed Light Green - Complete in FY 08/09 Yellow - Complete in FY 09/10 White - beyond FY 09/10		FY 07/08				FY 08/09				FY 09/10				FY 10/11			
Technical Memorandum		J	S	D	A	J	S	D	M	J	S	D	M	J	S	D	M	J
BUILDING STRUCTURAL DESIGN																		
TM 2.5.1 Structural Design of HSR Facilities and Buildings	30-Jun-10													X				
DRAINAGE AND GRADING																		
TM 2.6.3 Hydrology	31-Dec-09											X						
TM 2.6.4 Floodplain	30-Sep-09										X							
TM 2.6.5 Hydraulic Design	31-Mar-10												X					
TM 2.6.7 Earthwork	30-Sep-09										X							
UTILITIES																		
TM 2.7.4 Utility Rquirements for 15% Design Submittal	Completed						X											
SAFETY AND SECURITY																		
TM 2.8.1 Safety and Security	30-Sep-09										X							
GEOTECHNICAL STUDIES																		
TM 2.9.1 Geotechnical Investigation Guidelines	30-Jun-09								X									
TM 2.9.2 Geotechnical Reporting Guidelines	30-Jun-09								X									
TM 2.9.3 Geologic and Seismic Hazard Evaluation Guidelines	30-Jun-09								X									
TM 2.9.4 Prelim Active/Capable Faullt Locations and Design Considerations	30-Sep-09										X							
TM 2.9.5 Prelim Design Earthquake Guidelines for 30% Design	31-Mar-10												X					
TM 2.9.6 Interim Gound Motions for MCE, DBE & LDBE for 30% Design	31-Mar-10												X					
TM 2.9.7 Accelertion Response Spectra for Final Design	31-Dec-10																X	
TM 2.9.9 Final Gound Motions for MCE, DBE & LDBE for Final Design	31-Dec-10																X	
TM 2.9.10 Geotechnical Analysis and Design Criteria for Final Design	31-Dec-10																X	
SEISMIC STUDIES																		
TM 2.10.1 Seismic Performance Criteria and Design Basis	30-Jun-09								X									
TM 2.10.2 Technical Advisory Panel Work Plan	30-Jun-09								X									
TM 2.10.3 Technical Advisory Panel Summary	30-Jun-10													X				
TM 2.10.4 Interim Seismic Design Criteria (15% Design)	31-Dec-09											X						
TM 2.10.5 Structures Advanced Planning Level Studies Development Procedures (15% Design)	30-Sep-09										X							
TM 2.10.6 Initial Fault Crossing Design Criteria and Guidance (15% Design)	31-Mar-10												X					
TM 2.10.7 Final Seismic Design Criteria (30% Design and Final Design)	30-Sep-10																X	
TM 2.10.8 Structures Type Selection Level Studies Development Procedures (30% Design)	30-Sep-10																X	
TM 2.10.9 Final Fault Crossing Design Criteria and Guidance (30% Design and Final Design)	31-Dec-10																X	
TM 2.10.10 Rail-Structure Interaction Analysis Guidelines (30% Design and Final Design)	31-Dec-10																X	
TM 2.10.11 Passenger Comfort Design Criteria for Structures (30% Design and Final Design)	31-Dec-10																X	
TRACTION POWER -- GENERAL																		
TM 3.1.1.1 Traction Power 2x25kV Autotransformer Electrification System	Completed					X												
TM 3.1.1.3 Traction Power Facility Sites	Completed						X											
TM 3.1.1.5 OCS/NF Feeds	30-Jun-09								X									
TRACTION POWER SYSTEM ANALYSIS																		
TM 3.1.3.1 Initial Segment	Completed						X											
TM 3.1.3.2 Full System	30-Sep-09										X							
TRACTION POWER FACILITIES																		
TM 3.1.5.3 Utility Power Supply	31-Dec-09											X						

California High Speed Train Project	Target Completion Date Dark Green - Completed Light Green - Complete in FY 08/09 Yellow - Complete in FY 09/10 White - beyond FY 09/10		FY 07/08				FY 08/09				FY 09/10				FY 10/11			
Technical Memorandum		J	S	D	A	J	S	D	M	J	S	D	M	J	S	D	M	J
OVERHEAD CONTACT SYSTEM																		
TM 3.2.1 OCS Configuration	30-Jun-09								X									
TM 3.2.2 OCS Structural Requirements	30-Jun-10													X				
TM 3.2.3 Pantograph Clearances	30-Jun-09								X									
TM 3.2.5 OCS Electrical Requirements	30-Jun-09								X									
TM 3.2.6 25 KV Grounding and Bonding	30-Jun-09								X									
TM 3.2.7 OCS Mechanical Requirements	30-Jun-09								X									
TRAIN CONTROL																		
TM 3.3.1 Suitability for US Safety Requirements	30-Jun-10													X				
TM 3.3.3 Positive Train Control	31-Dec-09											X						
COMMUNICATIONS																		
TM 3.4.1 Topology	31-Dec-09											X						
TM 3.4.3 Network Management System	31-Mar-10												X					
TM 3.4.4 Communications Backbone Technology and Communications Protocol	30-Jun-10													X				
TM 3.4.10 Electromagnetic Compatibility Design Criteria	30-Jun-09								X									
TM 3.4.12 SCADA Requirements for Traction Electrification System and Equipment	31-Mar-10												X					
OPERATIONS																		
TM 4.1 Los Angeles to Anaheim - Concept Level Operational Feasibility Study	Completed						X											
TM 4.2 Train Service Plan - Phase 1	Completed							X										
TM 4.3 Train Service Plan - Full Build	30-Jun-09								X									
TM 4.4 O&M Cost Model - R0	30-Sep-09										X							
MAINTENANCE																		
TM 5.1 Rolling Stock Maintenance Plan and Facility Requirements	30-Jun-09								X									
TM 5.2 MOW Maintenance Plan and Facility Requirements	30-Jun-09								X									
ROLLING STOCK																		
TM 6.1 Selected Train Technologies	Completed				X													
TM 6.2 Intro of Euro/Asian Rolling Stock to California	30-Sep-09										X							
TM 6.6 Vehicle Parameters DELETE	31-Dec-09											X						
REGULATORY APPROVALS																		
Start of Revenue Service Flowchart (included with TM 0.4 Project Development Process R0)	Completed			X														
TM 7.2 FRA Criteria Applicability Memo	30-Jun-09								X									
TM 7.3 International Rail Standards Comparison	30-Jun-09								X									
TM 7.4 Hazard Identification and Mitigation	30-Sep-09										X							
TM 7.5 FRA System Overview	31-Dec-09											X						
TM 7.6 Product Safety Plan Outline	30-Jun-09								X									
TM 7.7 RSPP Safety Plan Outline Outline	30-Jun-09								X									

Deliverables Checklist: Directive Drawings

Directive Drawings by TM	Target Completion Date Dark Green - Completed Light Green - Complete in FY 08/09 Yellow - Complete in FY 09/10 White - beyond FY 09/10	2009 D	J	F	M	A	M	J	J	A	S	O	N	D	2010 J	F	M	A	M	J	J	A	S	O	N	D
TM 1.1.8 Divisions, Track Designation, Mileposts and Stationing	30-May-09																									
Operating Divisions	31-May-09					X																				
Maintenance Divisions	31-May-09					X																				
TM 1.1.10 Structure Gauge	30-May-09																									
Static Envelope and Gauge Requirements	31-May-09					X																				
125 mph Dynamic Envelope and Gauge Requiremetns	31-May-09					X																				
220 mph Dynamic Envevlope and Gauge Requirements	31-May-09					X																				
TM 1.1.16 Shared Use Corridor HST Criteria (Caltrain)	30-Jun-10																									
4-Track Typical Section - At Grade	31-Aug-09									X																
4-Track Typical Section - Aerial Structure	31-Aug-09									X																
4-Track Typical Section - Tunnel	31-Aug-09									X																
4-Track Typical Section - Trench	31-Aug-09									X																
Typical Section -- Station	31-Aug-09									X																
TM 1.1.21 Typical Cross Sections - R0	7-Apr-09																									
At-Grade - Double Track	31-Mar-09				X																					
At-Grade - Four Track	31-Mar-09				X																					
At-Grade - Stations	31-Mar-09				X																					
Aerial - Double Track	31-Mar-09				X																					
Aerial - Single Track	31-Mar-09				X																					
Tunnel - Bored - Double Track	31-Mar-09				X																					
Tunnel - Bored - Single Track	31-Mar-09				X																					
Tunnel - Cut and Cover - Double Track	30-Jun-09					X																				
Tunnel - Cut and Cover - Single Track	30-Jun-09					X																				
Trench - Double Track	31-Mar-09				X																					
Trench - Single Track	31-Mar-09				X																					
TM 2.1.3 Turnouts	30-Jun-09																									
110 mph Turnouts at Stations	30-Sep-09									X																
150 mph Turnouts at Wye	30-Sep-09									X																
60 mph Turnouts at Mainline Crossovers	30-Sep-09									X																
TM 2.1.5 Track Design (Ballasted)	31-Mar-10																									
Typical Trackbed	30-Nov-09											X														
Typical Direct Fixation	30-Nov-09											X														
TM 2.1.6 Ballastless Track	31-Dec-10																									
Typical Trackbed	31-Jan-10															X										
Typical Direct Fixation	31-Jan-10															X										
TM 2.1.7 Intrusion Protection	25-Oct-08																									
Barrier	31-May-09					X																				
Berms	31-May-09					X																				
Swales	31-May-09					X																				
TM 2.2.4 Station Platform Geometric Design	16-May-08																									
Center Platform - Section and Layout	30-Jun-09					X																				
Side Platform - Section and Layout	30-Jun-09					X																				
TM 2.3.1 Aesthetic Guidelines for HS Aerial Structures	30-Jun-09																									
Typical Superstructure Section	31-May-09					X																				
Typical Column Section	31-May-09					X																				
TM 2.4.2 Basic Tunnel Configuration	30-Jun-09																									
Tunnel Opening by Maximum Operating Speed (250 mph)	30-Jun-09					X																				
Tunnel Opening by Maximum Operating Speed (220 mph)	30-Jun-09					X																				
Tunnel Opening by Maximum Operating Speed (180 mph)	30-Jun-09					X																				
Tunnel Opening by Maximum Operating Speed (150 mph)	30-Jun-09					X																				
Typical Walkways	30-Sep-09									X																
Typical Duct bank Configuration	30-Sep-09									X																
Typical Cross Passages	30-Sep-09									X																
Typical Ventilation	30-Sep-09									X																
Typical Emergency Egress	30-Sep-09									X																
Typical Lighting Requirements	30-Sep-09									X																

Directive Drawings by TM	Target Completion Date Dark Green - Completed Light Green - Complete in FY 08/09 Yellow - Complete in FY 09/10 White - beyond FY 09/10	D	2009 J	F	M	A	M	J	J	A	S	O	N	D	2010 J	F	M	A	M	J	J	A	S	O	N	D
TM 2.4.5 Tunnel Structural Design	30-Jun-10																									
Typical Lining	31-Jan-10														X											
Typical Waterproofing	31-Jan-10														X											
Dividing Wall for Double Track Tunnel	31-Jan-10														X											
TM 2.4.6 Portals, Entrances, Ramps	30-Jun-10																									
Typical Entrance Portal Design	30-Nov-09												X													
Maintenance Access	30-Nov-09												X													
TM 3.1.1.3 Traction Power Facility Sites	2-May-08																									
Typical Supply Station	31-May-09					X																				
Typical Switching Station	31-May-09					X																				
Typical Paralleling Station	31-May-09					X																				
TM 3.1.3.2 Full System - Traction Power	30-Sep-09																									
Traction Power Schematic -- LA to Anaheim	31-Aug-09										X															
Traction Power Schematic -- LA to Palmdale	31-Aug-09										X															
Traction Power Schematic -- Palmdale to Bakersfield	31-Aug-09										X															
Traction Power Schematic -- Bakersfield to Merced	31-Aug-09										X															
Traction Power Schematic -- Merced to San Jose	31-Aug-09										X															
Traction Power Schematic -- San Jose to San Francisco	31-Aug-09										X															
Traction Power Schematic -- Merced to Sacramento	30-Sep-09										X															
Traction Power Schematic -- LA to San Diego	30-Sep-09										X															
TM 3.1.5.3 Utility Power Supply	31-Dec-09																									
Utility Connection Requirements - So Cal Edison	30-Nov-09												X													
Utility Connection Requirements - PG&E	30-Nov-09												X													
Utility Connection Requirements - SDG&E	31-Dec-09													X												
Utility Connection Requirements - SMUD	31-Dec-09													X												
Utility Connection Requirements - Other	30-Nov-09												X													
TM 3.2.1 OCS Configuration	30-Jun-09																									
Typical OCS Configuration - 125 mph - Cantilever	31-May-09					X																				
Typical OCS Configuration - 125 mph - Headspan	31-May-09					X																				
Typical OCS Configuration - 125 mph - Portal Structure	31-May-09					X																				
Maximum Span and Tension Section Lengths - 125 mph	31-May-09					X																				
Typical OCS Configuration - 220 mph - Cantilever	30-Jun-09						X																			
Typical OCS Configuration - 220 mph - Headspan	30-Jun-09						X																			
Typical OCS Configuration - 220 mph - Portal Structure	30-Jun-09						X																			
Maximum Span and Tension Section Lengths - 220 mph	30-Jun-09						X																			
Sectionalizing Diagram -- LA to Anaheim	30-Sep-09										X															
Sectionalizing Diagram -- LA to Palmdale	30-Sep-09										X															
Sectionalizing Diagram -- Palmdale to Bakersfield	30-Sep-09										X															
Sectionalizing Diagram -- Bakersfield to Merced	30-Sep-09										X															
Sectionalizing Diagram -- Merced to San Jose	30-Sep-09										X															
Sectionalizing Diagram -- San Jose to San Francisco	30-Sep-09										X															
Sectionalizing Diagram -- Merced to Sacramento	30-Nov-09												X													
Sectionalizing Diagram -- LA to San Diego	30-Nov-09												X													
TM 3.2.3 Pantograph Clearances	30-Jun-09																									
Clearance Envelope and Contract Wire Criteria	30-Jun-09					X																				
TM 5.1 Rolling Stock Maintenance Plan and Facility Requirements	30-Jun-09																									
Heavy Maintenance Facility (Level 4/5) - Conceptual Layout	31-May-09					X																				
Los Angeles Maintenance Facility (Level 1/2/3) - Conceptual Layout	31-May-09					X																				
San Francisco Maintenance Facility (Level 1/2/3) - Conceptual Layout	31-May-09					X																				
Anaheim Lay up and Storage Facility (Level 1/2) - Conceptual Layou	31-May-09					X																				
Sacramento Lay up and Storage Facility (Level 1/2) - Conceptual Layou	30-Jun-09						X																			
San Diego Lay up and Storage Facility (Level 1/2) - Conceptual Layou	30-Jun-09						X																			
TM 5.2 MOW Maintenance Plan and Facility Requirements	30-Jun-09																									
Typical MOW Equipment and Storage Yard	30-Jun-09						X																			
Typical MOW Siding	30-Jun-09						X																			
Typical MOW Access Requirements	30-Jun-09	x					X																			

Deliverables Checklist: Standard Drawings

CALIFORNIA HIGH-SPEED TRAIN PROJECT ENGINEERING MANAGEMENT TEAM		FY 09/10											FY 10/11										
Standard Drawings	**Target Completion Date** Dark Green - Completed Light Green - Complete in FY 08/09 Yellow - Complete in FY 09/10 White - beyond FY 09/10	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
General																										
Abbreviations - General	30-Jun-09	X																								
Symbols - General	30-Jun-09	X																								
Track																										
Clearance Envelopes	30-Jun-09	X																								
Structure Gauges	30-Jun-09	X																								
Typical Roadbed Sections	31-Dec-09						X																			
Data for Standard Rail Sections	31-Aug-10														X											
Data for Standard Wheel Flanges, Treads and Gages	31-Aug-10														X											
Concrete Ties Details	30-Sep-10															X										
Direct Fixation Details	30-Sep-10															X										
Transition Zones between Different Track Modules	30-Sep-10															X										
Fastening Assemblies	30-Sep-10															X										
Standard Turnouts No. 8 through No. 20 (Solid, Railbound or S	30-Nov-10																		X							
Standard Turnout and Crossover Data - Reference AREMA	30-Nov-10																		X							
High-Speed Turnouts (Movable Point Frogs)	30-Nov-10																		X							
High-Speed Turnout and Crossover Data	31-Mar-10									X																
Switch Machine Placement and Switch Rod Typical Layouts	31-Dec-10																			X						
Movable Point Frogs, Switch Machine Placement and Switch R	31-Dec-10																			X						
Gauge Plate Details for Frog Areas	31-Dec-10																			X						
Guard Rail Placement and Details	28-Feb-11																				X					
Switch Rods, Plates and Stands	28-Feb-11																				X					
Standard Bolted Joint - Reference AREMA	28-Feb-11																				X					
Rail Expansion Joint and Insulated Joint	28-Feb-11																				X					
Bumping Post	31-Mar-10									X																
Drainage																										
Track Underdrain and Side Ditch Details	31-Mar-10									X																
Precast Reinforced Concrete Box Culverts	31-Mar-10									X																
Box Culvert Wingwalls	31-May-10											X														
Precast Reinforced Concrete Pipe Design Data	31-Dec-10																			X						
Pipe Culvert Headwalls, Endwalls and Wingwalls	31-May-10											X														
Pipe Coupling and Joint Details	31-Dec-10																			X						
Retaining Walls																										
Cast-in-Place Retaining Walls Details No.1	28-Feb-11																				X					
Cast-in-Place Retaining Walls Details No.2	28-Feb-11																				X					
Cast-in-Place Retaining Walls Details No.3	28-Feb-11																				X					
Cast-in-Place Walls Drainage and Utility Openings	30-Apr-11																						X			
Approved Proprietary Retaining Wall Systems	30-Apr-11																						X			
Sound Walls																										
Masonry Block on Footing Details	30-Sep-10															X										
Masonry Block on Pile Cap Details	30-Sep-10															X										
Access Gate Details	30-Sep-10															X										
Bridges																										
Bridge General Details No.1	30-Sep-10															X										
Bridge General Details No.2	30-Sep-10															X										
Bridge General Details No.3	30-Sep-10															X										
Pile Details	30-Nov-10																		X							
Joint Seals	31-Dec-10																			X						
Box Girder Details	30-Nov-10																		X							
Utility Openings and Access Stairs	28-Feb-11																				X					
Concrete Barriers	28-Feb-11																				X					
Electrical and Communication Conduits	28-Feb-11																				X					
Stations																										
End Taper Location and Offsets	31-Jan-10								X																	
Under Platform Edge Safety Zone	30-Nov-09					X																				
Platform Edge Fence	30-Sep-09			X																						
Station Barrier Wall	31-Aug-10														X											
General Signs at Station	30-Sep-10															X										
Station Identifiers Signs	30-Sep-10															X										
Information Display Case	31-Oct-10																X									
Station Directional Signs	31-Oct-10																X									
Regulatory and Warning Signs	31-Oct-10																X									
Monument Station Site Sign at Station Entry	30-Nov-10																		X							
Access and Parking Directional Signs	31-Dec-10																			X						
Parking Signs	31-Dec-10																			X						
Markings and Warning Tactiles	31-Aug-10														X											
VMS Board Pole Mounting Details	31-Mar-11																						X			
Post Foundation and Sign Mounting Details	31-Mar-11																						X			

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Traction Power																										
Symbols	30-Jun-09	X																								
Abbreviations	30-Jun-09	X																								
General Notes	30-Jun-09	X																								
Typical Duct Bank and Manhole Details	31-Oct-10																	X								
Typical Grounding Details	31-Dec-10																			X						
Typical Fencing Details	31-Aug-10															X										
Overhead Contact System																										
Symbols	30-Jun-09	X																								
Abbreviations	30-Jun-09	X																								
General Notes	30-Jun-09	X																								
Overhead Contact System, Clearance Envelope and Contract	30-Jun-09	X																								
Typical OCS Configuration - 125 mph	30-Jun-09	X																								
Typical OCS Configuration - 220 mph	30-Jun-09	X																								
Conductor Data Sheet	30-Jun-09	X																								
Maximum Span and Tension Section Lengths - 125 mph	30-Jun-09	X																								
Maximum Span and Tension Section Lengths - 220 mph	30-Jun-09	X																								
Typical OCS Support Structure - At Grade, 125 mph	30-Sep-09				X																					
Typical OCS Support Structure - Elevated, 125 mph	30-Sep-09				X																					
Typical OCS Support Structure - Tunnel, 125 mph	30-Sep-09				X																					
Typical OCS Support Stucture - Cut and Cover, 125 mph	30-Nov-09						X																			
Typ.OCS Support Str. -Cut and Cover, Two Track, 125 mph	30-Nov-09						X																			
Typical OCS Support Structure - At Grade Turnout, 125 mph	31-Dec-09							X																		
Typical OCS Support Structure - At Grade 3 Tracks, 125 mph	31-Dec-09							X																		
Typical OCS Support Structure - At Grade, 220 mph	31-Oct-09					X																				
Typical OCS Support Structure - Elevated, 220 mph	31-Oct-09					X																				
Typ.OCS Support Structure -Tunnel Alt.1, 2 Track, 220 mph	31-Oct-09					X																				
Typ.OCS Support Structure -Tunnel Alt.2, 2 Track, 220 mph	31-Oct-09					X																				
Typical OCS Support Stucture - Cut and Cover, 220 mph	31-Dec-09							X																		
Typ. OCS Support Str.-Cut and Cover, Two Track, 220 mph	31-Dec-09							X																		
Typical OCS Support Structure - At Grade Turnout, 220 mph	30-Nov-09						X																			
Typical OCS Support Structure - At Grade 3 Tracks, 220 mph	30-Nov-09						X																			
Typical Uninsulated Overlap - 3 Span, 125 mph	31-Jan-10								X																	
Typical Uninsulated Overlap - 4 Span, 125 mph	31-Jan-10								X																	
Typical Uninsulated Overlap - 5 Span, 125 mph	31-Jan-10								X																	
Typical Uninsulated Overlap Cantilever Arr. - 3 Span, 125 mph	31-Jan-10								X																	
Typ.Uninsulated Overlap Cantilever Arr.- 4 & 5 Span, 125 mph	31-Jan-10								X																	
Typical Insulated Overlap - 3 Span, 125 mph	28-Feb-10									X																
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Typ.Insulated Overlap Cantilever Arr. - 4 & 5 Span, 125 mph	28-Feb-10									X																
Typical Uninsulated Overlap - 4 & 5 Span, 220 mph	28-Feb-10									X																
Typ.Uninsulated Overlap Cantilever Arrangement - 220 mph	31-Mar-10										X															
Typical Insulated Overlap - 4 & 5 Span, 220 mph	31-Mar-10										X															
Typ.Insulated Overlap Cantilever Arrangement - 220 mph	31-Mar-10										X															
Typical Balance Weight Arrangement - 125 mph	30-Apr-10											X														
Typical Mid Point Arrangement - 125 mph	30-Apr-10											X														
Typical Balance Weight Arrangement - 220 mph	30-Apr-10											X														
Typical Mid Point Arrangement - 220 mph	30-Apr-10											X														
Typical Crossover Arrangement - 125 mph	31-May-10												X													
Typical Crossover - 220 mph	31-May-10												X													
Typical Pole Foundation - Drilled Pier	30-Jun-10													X												
Typical Downguy Anchor - Drilled Pier	30-Jun-10													X												
Typical Pole - Wide Flange with Base Plate	30-Jun-10													X												

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Typ.OCS Support Structure -Tunnel Alt.2, 2 Track, 220 mph	31-Oct-09					X																				
Typical OCS Support Stucture - Cut and Cover, 220 mph	31-Dec-09							X																		
Typ. OCS Support Str.-Cut and Cover, Two Track, 220 mph	31-Dec-09							X																		
Typical OCS Support Structure - At Grade Turnout, 220 mph	30-Nov-09						X																			
Typical OCS Support Structure - At Grade 3 Tracks, 220 mph	30-Nov-09						X																			
Typical Uninsulated Overlap - 3 Span, 125 mph	31-Jan-10								X																	
Typical Uninsulated Overlap - 4 Span, 125 mph	31-Jan-10								X																	
Typical Uninsulated Overlap - 5 Span, 125 mph	31-Jan-10								X																	
Typical Uninsulated Overlap Cantilever Arr. - 3 Span, 125 mph	31-Jan-10								X																	
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Typ.Insulated Overlap Cantilever Arr. - 4 & 5 Span, 125 mph	28-Feb-10									X																
Typical Uninsulated Overlap - 4 & 5 Span, 220 mph	28-Feb-10									X																
Typ.Uninsulated Overlap Cantilever Arrangement - 220 mph	31-Mar-10										X															
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Typ.Insulated Overlap Cantilever Arrangement - 220 mph	31-Mar-10										X															
Typical Balance Weight Arrangement - 125 mph	30-Apr-10											X														
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Standard Drawings	**Target Completion Date** Dark Green - Completed Light Green - Complete in FY 08/09 Yellow - Complete in FY 09/10 White - beyond FY 09/10	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
Command, Control and Signaling																										
TBD	30-Jun-11																									X
Communications																										
Symbols	31-Aug-09			X																						
Abbreviations	31-Aug-09			X																						
General Notes	31-Oct-09					X																				
Typical Fiber Optic Duct Bank Configurations	31-Jan-10								X																	
Fiber Optic Manholes and Pull Boxes	31-Jan-10								X																	
Communications Equipment Enclosures	31-Jan-10								X																	
GSM-R	31-Aug-10															X										
Visual Message System Mounting and Foundation	30-Sep-10																X									
VMS Subsystem and Equipment Details	31-Oct-10																	X								
PAS Subsystem and Equipment Details	30-Nov-10																		X							
CCTV Subsystem and Equipment Details	31-Dec-10																			X						
Right of Way (ROW)																										
Chain Link Access Control Fence	31-Jul-10														X											
Intrusion Detection Details	31-Dec-09							X																		
Intrusion Protection Details	31-Dec-09							X																		
High Security Area Expanded Metal Mesh Fence	31-Aug-10															X										
Control Point Signs	31-Jan-11																				X					
One Tenth mile and Mile Post Markers	31-Mar-11																						X			
Attend to Derailing Switch and Derail Signs	30-Apr-11																							X		