



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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# REQUEST FOR PROPOSALS

FOR DESIGN AND CONSTRUCTION ON STATE HIGHWAY IN

SAN DIEGO ON I-805 FROM JUST NORTH OF SR-52 TO JUST  
NORTH OF MIRA MESA BOULEVARD

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CONTRACT NO. 11-2T2004

PROJECT ID 11000201914

11-SD-805-PM 23.2/26.7

Federal Aid Project

**Addendum No. 4 Issued December 22, 2011**

The Department issues this Addendum No. 4 to inform Proposers of the following changes and corrections to the RFP.

## **INSTRUCTIONS TO PROPOSERS**

The Instructions to Proposers is modified as indicated by the deletions and additions set forth below.

Section 1.12 “Estimate Cost; Maximum Time Allowed” is modified as indicated below:

### **1.12 Estimated Cost; Maximum Time Allowed**

The estimated cost of the Project is \$ 105,000,000.

Substantial Completion of the Project will be required to be achieved no later than ~~720~~780 Working Days after Department issues NTP1.

Final Acceptance of the Project will be required to be achieved no later than 365 Calendar Days following Substantial Completion.

Add Section 3.19 to Appendix B “Administrative Submittal Requirements” as shown below.

3.19 Identify Approved ATCs and Conditionally Approved ATCs incorporated in the Proposal. Briefly describe how ATCs have been incorporated into the Project. If any Conditionally Approved ATCs have been incorporated, state which conditions, if any, have been met as of the Proposal Due Date. Include a copy of the Department’s ATC response letter if any ATCs have been incorporated. The information requested in this Section 3.19 shall be included in Volume 1.

## **BOOK 2 PROJECT REQUIREMENTS**

The Book 2, Project Requirements, is modified as indicated by the deletions and additions set forth below.

### **Section 1 General**

Section 1.3.3 “General Description” is modified as indicated below:

#### ***1.3.3 General Description***

The Design-Builder shall not rely on the physical description contained in this Section 1 to identify all Project components. The Design-Builder shall determine the full scope of the Project through thorough examination of the RFP and the Project Site, or as may be reasonably inferred from such examination.

The Project generally consists of designing and constructing one (1) High Occupancy Vehicles (HOV)/Bus Rapid Transit (BRT) lane in each direction from just north of SR-52 to just north of

Mira Mesa Boulevard and the south facing Direct Access Ramps at Carroll Canyon Road.. Additional major responsibilities will be environmental management, public relations, railroad and utility coordination, among other things.

The Project features will include but are not limited to:

- Median widening of the Governor Drive undercrossing
- Median widening of the Rose Canyon Bridge and Overhead
- Outside widening of both the existing northbound and southbound Carroll Canyon (Soledad Canyon) Bridge and Overhead (BOH)
- Construction of the new south facing Carroll Canyon Direct Access Ramps (DAR)
- Construction of the Carroll Canyon DAR Walls
- Outside widening of the northbound Mira Mesa Boulevard undercrossing
- Noise abatement which includes the berm /wall combination along the southbound off-ramp to Governor Drive. The berm/wall combination will begin at approximately station 1334+00 to approximately station 1344+00 "A" line and will include all grading for the Ultimate I-805 North Managed Lanes project
- One HOV/BRT lane in each direction from just north of SR-52 which will join, be compatible, and provide continuous HOV/BRT lanes with Contract EA 2T0404
- All I-805 North median improvements including the construction of a concrete median barrier, all median grading, ultimate median drainage, all median signs and the replacement of existing overhead sign structures currently anchored in the median, any required electrical for lighting and sign illumination, all structural section components including AC and PCC paving for the Ultimate I-805 North facility. With the exception of the area around Nobel Drive, the median shoulder shall be constructed of Portland Cement Concrete.
- Partial outside widening from La Jolla Village Drive to the Carroll Canyon Bridge and Overhead which includes grading, drainage, retaining walls, any required electrical, signs, all structural section components including AC and PCC paving
- Ultimate outside widening in the northbound direction from the Carroll Canyon BOH to the northern limits of the project including all grading, drainage, retaining walls, electrical, signs, all structural section components including AC and PCC paving
- In the southbound direction from the north end of the Carroll Canyon Bridge and Overhead, a retaining wall will be constructed to approximately Sta 1456+00 "A" line. This wall shall be constructed to accommodate widening the ramp for the Ultimate I-805 North Managed Lanes Project.
- Fiber optics from the south end of the northbound Carroll Canyon BOH to the fiber optic vault located at approximately station 1490+00.00
- All modifications of existing signalization
- Landscaping and irrigation
- Environmental compliance and mitigation
- Signing and striping
- Lighting
- Public information activities
- Visual quality management

- Erosion control including slope stabilization including temporary and permanent storm water pollution prevention measures.

## Section 2 Project Management

Section 2.3.2.15 “Calendars and Identified Contingency” is modified as indicated below:

### 2.3.2.15 Calendars ~~and Identified Contingency~~

The duration of each activity shall include the necessary work days to actually complete the work defined by the activity; contingency shall not be built into the durations. Each activity shall be assigned the appropriate calendar as it relates to each major item of Work. ~~Each calendar, with the exception of the calendar utilized for tracking Calendar Days, shall include contingent non workdays. It is the responsibility of the Design Builder to estimate sufficient weather contingency. The Design Builder shall include a minimum of 15 percent weather contingency for each major item of Work affected by weather.~~ The Design-Builder shall submit a statement indicating duration (in hours) of their normal work day as it relates to the work week (e.g., M-F [10 hrs] and Sat [6 hrs] for each calendar). ~~Contingency will be the amount of indicated non workdays compared to this statement. If the Design Builder does not submit this statement it will be considered prima facie evidence that the Design Builder did not account for sufficient weather impacts.~~

Section 2.4.2.1 “Standards” is modified as indicated below:

### 2.4.2.1 Standards

In addition to the requirements set forth in Exhibit 2-A, “Quality Manual Template” of the contract documents, ~~in~~ the event of a conflict among the standards set forth in Book 3 relating to quality management, the order of precedence shall be as set forth below, unless otherwise specified:

- [Special Provisions](#)
- Caltrans Standard Specifications May 2006 \*
- 2006 Standard Plans
- ~~Special Provisions\*~~
- Department Technical Memoranda
- Project Development Procedure Manual \*
- Caltrans Construction Manual
- Bridge Construction Records and Procedures Manual, Volumes I and II Caltrans CADD Manual\*
- Surveys Manual
- OSFP Information and Procedure guide
- Manual for QC and QA for Asphalt Concrete
- Remaining standards set forth in Book 3

\*Document modified for design-build.

Section 2.4.3.3 “Shop and Working Drawing Documents” is modified as indicated below:

#### **2.4.3.3 Shop and Working Drawing Documents**

The Design-Builder shall submit to the Department two complete hardcopies of all shop and working drawings and upload electronic versions in native and PDF format into DCS unless otherwise specified.

Section 2.5.2.3.1 “General Provisions” is modified as indicated below:

#### **2.5.2.3.1 General Provisions**

The Design-Builder shall establish a main Integrated Project Office (IPO) within four weeks of NTP1 to manage, coordinate, and administer design, construction and maintenance of the Project in accordance with the Contract. The IPO facilities shall be in compliance with applicable federal, state, county, municipal and local utility laws, rules, and regulations. ~~The Design-Builder shall provide office space and high speed internet connections for the use of up to thirty (30) ~~the~~ Department personnel. All personnel shall be co-located in this facility within four weeks of NTP1, except as otherwise allowed.~~ ~~in the Co-located office facilities approved for the Project.~~

The Design-Builder shall provide a Department Mobile Material Testing Facility with the listed testing equipment calibrated a minimum of 60 days prior to beginning construction of the Work. (Exhibit 2-B)

The Design-Builder shall furnish all office facilities in accordance with this Section 2.5.2.3. The facilities shall remain the property of the Design-Builder. The Design-Builder shall furnish, maintain, and service the facilities with fuel, electrical power, sanitary services, access roads, parking, high speed internet connection, and other necessary items including ADA requirements. The Design-Builder shall provide the following with the office space:

- All utility, water, and sewer installation, maintenance and costs
- Weekly janitorial services including providing trash and recycling containers and pickup service
- Exterior building maintenance, including the parking lot
- Removal of all Design-Builder-provided facilities
- Site identification signing at all offices and sites of Work
- Telephone and high speed internet installation, service charges, and the removal of the system
- Building access control by receptionist or key card entry

Section 2.5.2.3.2 “Location” is modified as indicated below:

#### **2.5.2.3.2 Location**

~~Location of the IPO~~ ~~Co-located office~~ will be as determined by the Design-Builder and concurred by the Department and within five miles of the Project limits south of Mira Mesa Boulevard.

Section 2.5.2.3.3 “[Not Used]” is modified as indicated below:

**2.5.2.3.3 [NOT USED] Co-located Facilities and Space Requirements Integrated Project Office**

The Design-Builder shall provide and supply the Office space and equipment specified in this section 2.5.2.3.3 from four weeks after NTP1 until Final Acceptance. The Design-Builder shall provide offices and equipment for the Department that is in good condition and of at least the same quality as the facilities that the Design-Builder provides its personnel on the Project.

General Office Requirements

The Design-Builder shall provide office space for the Department personnel not less than the size indicated below:

<u>Space</u>	<u>No. Required</u>	<u>Minimum Requirements</u>
<u>Office</u>	<u>3</u>	<u>200 square feet each, enclosed with lockable door, 48-inch round table with four chairs, additional bookcase, computer desk and chair, additional lockable filing cabinet, and small drafting table.</u>
<u>Office</u>	<u>7</u>	<u>150 square feet each, enclosed with lockable door, additional bookcase, computer desk</u>
<u>Office</u>	<u>20</u>	<u>100 square feet each, enclosed, may be modular spaces</u>
<u>Conference room/ drafting room</u>	<u>2</u>	<u>300 square feet each, enclosed with lockable door Additional furnishings in each conference room: conference table and chairs to accommodate 15 people; 4-foot by 8-foot white board/ three large drafting tables and chairs.</u>
<u>Storage or Filing</u>	<u>2</u>	<u>250 square feet each , enclosed with lockable door Additional furnishings in filing room: 20 four-drawer file cabinets and two 11-inch by 17-inch file cabinets with four drawers. Storage area can accomandate computer networking equipment also.</u>
<u>Restrooms</u>	<u>1 each</u>	<u>Men’s and women’s</u>
<u>Break room</u>	<u>1</u>	<u>250 square feet, 4 feet of counter space with sink, drinkable running water, 1100-watt microwave, refrigerator (19 cubic foot minimum), and break room supplies small table and chairs.</u>

For the facilities provided, the Design-Builder shall:

- Provide a desk and chair, two each two-drawer filing cabinet, bookcase, 3-foot by 4-foot white board, two guest chairs, and waste basket for each office space.
- Provide meeting facilities for all Project related meetings. In the event the requirements for any meeting exceed the space available in the co-location office, the Design-Builder shall provide space at another location.
- Provide heating, ventilation, and air conditioning capable of maintaining temperature between 68 and 72 degrees Fahrenheit in all spaces throughout the year.
- Provide facilities that meet local code requirements for office space.

- Provide telephones and telephone service with at least 5 outside lines, plus at least 1 line dedicated to fax service. A minimum of one telephone shall be provided in each office, 1 additional telephone shall be provided and located strategically for shared use in other areas of the Project office, and 1 conference star telephone shall be provided and located in the conference room. The phone service shall provide voice mail service to each extension.
- One T1 line for high speed internet access to be provide for all computers. Provide a contract for the IPO to the Department one week after the execution of the Contract.

Section 2.5.2.3.4 “Co-located Facilities and Space Requirements – Co-located Office and Laboratory” is deleted in its entirety and replaced with the following:

**2.5.2.3.4 Facilities and Space Requirements – Mobile Material Testing Facility**

The Design-Builder shall provide a Mobile Material Testing Facility (MMTF).as a separate facility and shall be in accordance with Exhibit 2-B. The Design-Builder shall provide an exterior storage facility adjacent to the office structure that is a minimum of 200 square feet. The facility shall be for the exclusive use of the Department to store its testing equipment and testing supplies. This facility must be lockable, accessible by vehicles via an all-weather surface and must be substantially constructed as necessary to meet all requirements for storing nuclear test devices. The Design-Builder shall provide free parking to all Department personnel. In addition to the equipment on both pages on Exhibit 2-B the MMTF shall include the following, at a minimum:

- One lock box.
- Fax machine that includes a 30-page auto document feeder, transmission speed of 15 seconds per page, a minimum of 10 pages of memory, and a telephone hand set with fax/phone switching.
- Telephone service and one T1 line for high speed internet access.
- One hot and cold water dispenser complete with cups and drinkable water supply always on hand.
- One first aid kit, and eye wash station.
- One waterless hand cleaning dispenser in portable toilet if remotely located.

Section 2.5.2.3.5 “Computer Equipment” is deleted in its entirety and replaced with the following:

**2.5.2.3.5 Computer Equipment**

The Design-Builder shall provide, install, and maintain, in working condition, the following communications and computer equipment for the Department use at the Intergrated Project Office during the life of the Project:

- 10 CADD laptop computers,

- 5 desktop non-CADD computers,
- 5 desktop CADD computers,
- One full-size plotter,
- Two laser printer capable of both color and black and white printing,
- One multi-function scanner/copier/fax machine,
- Video-teleconference equipment (1 TV and accessories) in one of the IPO meeting room which may be shared.

### **Non-CADD Computers**

Desktop (non-CADD) computers shall meet the following requirements, subject to final Approval by the Department:

- Small Form Factor or Desktop computer case,
- Minimum 3.0-gigahertz (GHz) Intel Core2Duo Processor (E8400),
- Minimum 4-gigabyte (GB) DDR2 random-access memory (RAM), 800-megahertz (MHz) speed, with two open slots,
- Minimum 80-gigabyte (GB) SATA internal hard disk drive, 7200 RPM,
- One optical combo drive with compact disk with read/write (CD-RW) capability and read only digital versatile disc (DVD-ROM) capability,
- Two LCD-22-inch (diagonal measure) color monitors:
  - minimum resolution 1280x1024
  - minimum brightness 250 Nits
  - minimum contrast ratio 500 to 1
  - minimum response time 8 ms
  - pixel policy ISO-13406-2 compliant
  - VGA/DVI interface options
  - VESA mounting hole pattern compliant
  - adjustable height monitor stand,
- Integrated sound,
- PCI Express x-16, 256 MB discrete dual video,
- Integrated 10/100/1000 Ethernet network capability,
- One parallel and one serial port,
- Four USB 2.0 ports on the back, 2 on the front,
- One USB optical mouse,
- One USB standard 104-key keyboard,
- Office 2007 or above and O/S, and Adobe Pro(write).

## **CADD Computers**

Desktop (CADD) computers shall meet the following requirements, subject to final approval by the Department:

- Small Form Factor, Desktop or Tower computer case,
- Minimum 3.16-gigahertz (GHz) Intel Core2Duo Processor (E8500),
- Minimum 4-gigabyte (GB) DDR2 random-access memory (RAM), 800-megahertz (MHz) speed, with two open slots,
- Minimum 160-gigabyte (GB) SATA internal hard disk drive, 7200 RPM,
- One optical combo drive with compact disk with read/write (CD-RW) capability and read only digital versatile disc (DVD-ROM) capability,
- Three LCD-22-inch (diagonal measure) color monitors:
  - minimum resolution 1280x1024
  - minimum brightness 250 Nits
  - minimum contrast ratio 500 to 1
  - minimum response time 12 ms
  - pixel policy ISO-13406-2 compliant
  - VGA/DVI interface options
  - VESA mounting hole pattern compliant
  - adjustable height monitor stand
- Integrated sound,
- PCI Express x-16, 256 MB discrete dual video,
- Integrated 10/100/1000 Ethernet network capability,
- One parallel and one serial port,
- Four USB 2.0 ports on the back, 2 on the front,
- One USB optical mouse One USB standard 104-key keyboard,
- Office 2007 or above and O/S, and Adobe Pro(write),
- Docking station for Laptops.

## **Laptop Computers**

Laptop computers shall meet the following requirements, subject to final Approval by the Department:

- Minimum 2.26-gigahertz (GHz) Intel Core2Duo Processor (P8400),
- Minimum 4-gigabyte (GB) DDR2 random-access memory (SDRAM), 800-megahertz (MHz) speed, with one open slot,
- Minimum 80-gigabyte (GB) SATA internal hard disk drive, 7200 RPM

- One modular optical combo drive with compact disk with read/write (CD-RW) capability and read only digital versatile disc (DVD-ROM) capability,
- Minimum 128-megabyte (MB) discrete graphics,
- Minimum 14 inch WXGA TFT active matrix display,
- Integrated sound and stereo speakers, headphone/speaker jack, line-in and microphone jacks,
- Integrated 10/100/1000 Ethernet network capability,
- Integrated 802.11 a/g/n wireless networking
- Integrated V.92 56K modem,
- One Type II PC card slot Minimum two USB 2.0 ports,
- Two rechargeable lithium Ion (LiOn) battery packs, each with a minimum battery life of two hours,
- One AC/Car/Air power adapter,
- Energy Star compliant per v4.0 Tier 1 standard,
- EPEAT silver level,
- One padded laptop carrying case suitable for carrying proposed laptop and accessories,
- One port replicator including VGA, parallel, serial and PS/2 ports,
- One LCD- 19-inch (diagonal measure) color monitor:
  - minimum resolution 1280x1024
  - minimum brightness 250 Nits
  - minimum contrast ratio 500 to 1
  - minimum response time 12 ms
  - pixel policy ISO-13406-2 compliant
  - VGA/DVI interface options
  - VESA mounting hole pattern compliant
  - adjustable height monitor stand
- Compatible docking station with full-size USB keyboard and optical mouse,
- Minimum 3 years extended warranty.

#### **Computer Accessories**

The Design-Builder shall furnish the following accessories for each computer, printer, plotter:

- One electrical surge protector

#### **Plotter**

Plotters shall meet the following requirements, subject to final Approval by the Department:

- Black-and-white, and color capable,

- Ink types: dye-based colors and pigment-based black,
- Media Handling:
  - manual sheet feed and manual roll feed
  - automatic paper cutter
  - plain paper, inkjet paper, coated paper, heavy coated paper, glossy paper and photo paper compatible
  - paper sizes of B, C, D, E and roll media up to 42 inches wide and 300 feet long
- Memory: minimum 1GB,
- Color/resolution: black, cyan, magenta, and yellow toner cartridges, with a minimum of 600 x 600 dpi color output,
- One compatible printer cable,
- 10/100 Ethernet connection,
- Minimum 3 years extended warranty

The pre-approved plotter is HP Designjet 4000ps (Q1274A).

### **Printer**

Printers shall meet the following requirements, subject to final Approval by the Department:

- Laser printing technology; capable of black and white at the Field Laboratory, and capable of black and white and color at the Project Office,
- Minimum speed of 22 pages per minute Minimum resolution of 600 x 600 dpi for black-and-white or color,
- Memory: minimum 1GB,
- Duplex printing capable,
- One compatible printer cable,
- One spare toner cartridge for each color (in main Project Office at all times),
- 10/100 Ethernet network connection,
- Media sizes: letter, legal, executive, 11 x 17 inch, envelopes (No 10, Monarch),
- Paper size capacity: two letter/legal paper trays (one large volume) at portrait and/or landscape orientation, and one 11-inch x 17-inch capable paper tray,
- Paper capacity: minimum of 500-sheet paper feed tray,
- Compatible with operating systems: Windows XP Professional and Windows Server 200,
- Minimum 3 years extended warranty

### **Scanner/Copier/Fax**

Multi-function scan/copy/fax machines shall meet the following requirements, subject to final Approval by the Department:

- Minimum scanning/copying/fax area: 11 x 17 inches,
- Resolution capability up to: 1200 x 1200 dpi Output black-and-white and color speed capability up to 50ppm,
- 100-sheet minimum - automatic reversing document feeder that enables batch scanning and copying of large documents,
- Automatic document size recognition,
- Duplex capable,
- Media sizes: letter, legal, executive, 11 x 17 inch,
- Paper Trays:
  - 2 x 250 sheet drawers (one adjustable to 11 x 17 inch)
  - 1 x large capacity drawer
  - 1 x 100 sheet bypass
- 10/100 Ethernet network connection

**Video-Teleconference Equipment and Accessories**

- 1 TV with video-teleconference capabilities,
- 1 Star phone for multi-party teleconferencing,
- 1 Codec Box HDX 8000 or HDX 9002 using H323 (IP) protocol,
- 1 Camera with video teleconference

The codec box should have content sharing (H239) capability for power point presentation.

Add Section 2.5.2.3.6 “Computer Networking – Integrated Project Office” as follows:

**2.5.2.3.6 Computer Networking – Integrated Project Office**

The Design-Builder shall provide the following for exclusive use by the Department personnel for the duration of the Contract including periods of work suspension.

The Design-Builder shall furnish and maintain all computer network equipment for the Department use. The furnished services, equipment, and accessories shall at a minimum be as follows:

**Broadband Services Technical Requirements**

The Design-Builder shall provide the Department with the information required by the Internet Service Provider (ISP) to authorize communication between the ISP and the Department technical staff for purposes of problem resolution. This information shall include the name of the provider, a phone number for technical support and the account number as a minimum. The Design-Builder shall determine if additional information will be required from the ISP. This information shall be in writing and shall be provided to the Department within five weeks after notice of Contract Approval.

The Design-Builder shall provide the following service:

- Minimum bandwidth size shall be 10 Mbps,
- Terminating in an Ethernet connection,
- Static Public IP Address – For Internet Use,
- Static Public IP server - For Video-conference only
  - (Minimum of three assignable host addresses, one for the remote VPN firewall, one for the ISP Gateway)
- Required IP addressing information provided to the Department for remote VPN firewall Configuration:
  - IP address (Static Assignable Host Range)
  - ISP Gateway Address
  - Subnet Mask
- ISP Modem Hardware – Firewall configuration settings must be manageable, allowing for the firewall security level to be set to “off”.

### **Networking Equipment**

Wireless access shall be available throughout the office area. The Design-Builder shall provide the following equipment:

- 24u Network Rack (separate and lockable),
- Cat 5e ethernet wiring,
- Cat 5e Patch panels to accommodate 48 connections,
- Cisco Catalyst 3750 switch to accommodate 48 connections
- Wireless Hardware:
  - Cisco Access Point:
    - AIR-AP1252AG-A-K9 - 802.11a/g/n- 2.4/5-GHz Mod Auto AP; 6 RP-TNC
  - Access Point Antennas:
    - AIR-ANT2422DG-R - Three 2.4-GHz 2.2 dBi Gray Straight Dipole Ant RP-TNC
    - AIR-ANT5135DG-R - Three 5-GHz 3.5 dBi Gray Straight Dipole Ant RP-TNC
  - Access Point Power Supply:
    - AIR-PWRINJ4 - Power Injector for the Cisco Aironet 1250 Series
- Cisco VPN Firewall:
  - ASA 5505 Appliance with SW, 50 Users, 8 ports, 3DES/AES
  - ASA5505-50-BUN-K9

The Design-Builder shall provide any additional hardware necessary to ensure the network functions as intended.

Add Section 2.5.2.3.7 “Computer Networking – Field Laboratory” as follows:

**2.5.2.3.7 Computer Networking – Field Laboratory**

The Design-Builder shall provide the following for exclusive use by the Department personnel for the duration of the Contract including periods of work suspension.

The Design-Builder shall furnish and maintain all computer network equipment for the Department use. The furnished services, equipment, and accessories shall at a minimum be as follows:

**Broadband Services Technical Requirements**

The Design-Builder shall provide the Department with the information required by the Internet Service Provider (ISP) to authorize communication between the ISP and the Department technical staff for purposes of problem resolution. This information shall include the name of the provider, a phone number for technical support and the account number as a minimum. The Design-Builder shall determine if additional information will be required from the ISP. This information shall be in writing and shall be provided to the Department within five weeks after notice of Contract Approval.

The Design-Builder shall provide bandwidth in the order of precedence shown below with criterion 1 being the requirement, followed by criterion 2 as the next desirable:

1. Minimum bandwidth shall be 10 Mbps
2. Minimum bandwidth shall be a T1 line

The Design-Builder shall provide the following for either the 10 Mbps connection or T1 Line:

- Terminating in an Ethernet connection,
- Static Public IP Address – For Internet Use
  - (Minimum of two assignable host addresses, one for the remote VPN firewall, one for the ISP Gateway)
- Required IP addressing information provided to the Department for remote VPN firewall Configuration:
  - IP address (Static Assignable Host Range)
  - ISP Gateway Address
  - Subnet Mask
- ISP Modem Hardware – Firewall configuration settings must be manageable, allowing for the firewall security level to be set to “off”.

**Networking Equipment**

Wireless access needs to be available throughout the office area. The Design-Builder shall provide the following equipment:

- Cat 5e ethernet wiring,

- Cisco Catalyst 3750 switch to accommodate 24 connections,
- Wireless Hardware:
  - Cisco Access Point:
    - AIR-AP1252AG-A-K9 - 802.11a/g/n- 2.4/5-GHz Mod Auto AP; 6 RP-TNC
    - Access Point Antennas:
      - AIR-ANT2422DG-R - Three 2.4-GHz 2.2 dBi Gray Straight Dipole Ant RP-TNC
      - AIR-ANT5135DG-R - Three 5-GHz 3.5 dBi Gray Straight Dipole Ant RP-TNC
    - Access Point Power Supply:
      - AIR-PWRINJ4 - Power Injector for the Cisco Aironet 1250 Series
- Cisco VPN Firewall:
  - ASA 5505 Appliance with SW, 50 Users, 8 ports, 3DES/AES
  - ASA5505-50-BUN-K9

The Design-Builder shall provide any additional hardware necessary to ensure the network functions as intended.

Add Section 2.5.2.3.8 “Delivery and Installation” as follows:

**2.5.2.3.8 Delivery and Installation**

The Design-Builder shall deliver all computer equipment to the Project Office within four weeks after NTP1. The Design-Builder shall install the cat 5e ethernet wiring to all networkable devices – including but not limited to servers, office computers, printers, scanners, and wireless access points. The Design-Builder shall be responsible for installation of all computer equipment, including connecting the computer equipment to the necessary communication network at the Project Office. Department will sanitize and image the computers provided by the Design-Builder.

The Design-Builder shall deliver all networking equipment to the Department. The Department will sanitize and image the network equipment. The Department will install the network equipment at the Project Office and Field Laboratory. The Design-Builder shall provide space for the network equipment at the Project Office and Field Laboratory.

The Design-Builder shall have all computer equipment fully functioning within five weeks after NTP1. The Design-Builder shall contact the Department two weeks prior to the computers being fully installed and ready to be imaged.

Add Section 2.5.2.3.9 “Replacement and Repair” as follows:

**2.5.2.3.9 Replacement and Repair**

If office equipment is stolen or damaged beyond repair, the Design-Builder shall provide an equivalent replacement within three Working Days. If the equipment needs repair, the Design-Builder shall repair it within three Working Days. Such replacement or repair shall be at no direct cost to the Department during the life of the Project.

Add Section 2.5.2.3.10 “Return of Equipment” as follows:

**2.5.2.3.10 Return of Equipment**

The Department will sanitize and return the computer and networking equipment to the Design-Builder within 90 Days after Final Acceptance of the Project.

Section 2.5.3 “Deliverables” is modified as indicated below:

**2.5.3 Deliverables**

The Design-Builder shall submit to the Department the directory of Approved Key Personnel within seven Days of NTP1.

If the Design-Builder proposes changes to Approved Key Personnel, the Design-Builder shall submit a request in writing setting forth the qualifications of the replacement(s) as required by Section 2.5.2.2 for approval by the Department.

Within five days after NTP 1 submit drawings and data to describe details of the IPO facilities. Data shall completely describe the equipment, machines, and furnishings. Drawings shall include location of IPO, layout of office space and rooms. Drawings shall include layouts for lighting, parking, entrances, furnishing and electrical/interned receptacles, delivery schedule for the facilities, and other information as requested.

Add Exhibit 2-B “Mobile Material Testing Facility” as attached.

**Section 4 Environmental Compliance**

“Soil and Groundwater – General of Section 4.4.1.2 “Contaminated Materials” is modified as indicated below:

***Soil and Groundwater - General***

The Design Builder shall review Initial Site Assessment (ISA) report, ~~all Phase I and Phase II Environmental Site Assessment (ESA) Aerial Deposit Lead (ADL) and Asbestos~~ reports completed for the Project. The Design Builder shall be responsible for updating the ~~Phase I ESA~~ISA if the Department or the Design Builder determines the ~~Phase I ESA~~ISA is inadequate in its coverage of the Project area. The Design Builder shall be responsible for additional drilling investigation and/or ~~Phase II ADL and Asbestos~~ work that may be needed to accommodate the work.

The Design Builder shall sample and test the soils and groundwater that are suspected to be contaminated. The Design Builder shall also monitor soil excavation activities and evaluate planned treatment procedures. When all contaminated soil excavation and corrective action, and all groundwater dewatering has been completed for the Project, the Design Builder shall prepare a Corrective Action Implementation Report for the entire Project. The report shall be completed in accordance with applicable California Pollution Control Program requirements. The Design Builder shall install wheel/undercarriage washing equipment, or a functional equivalent, at excavation locations, as the first method by which to ensure that haul trucks have clean wheels and undercarriages before entering the roadway.

Add Exhibit 4-D5 “Design-Builder Responsibility for Permits” as attached.

## **Section 6 Utilities**

Replace Exhibit 6D “Existing Utility Information” with the attached revised Exhibit 6D.

## **Section 11 Roadways**

Section 11.3.1 “Design Standards” is modified as indicated below:

### *11.3.1 Design Standards*

The Design Builder shall design and construct all roadways to comply with the following performance requirements:

- Meet all Department roadway design and safety standards;
- Meet capacity for the specified design year;
- Meet all future improvements identified as the “preferred alternative” in the environmental document. Project defined as Stage 1 of the 805 North Managed Lanes project with additional project features included in the General Description of Project.
- Meet the widths of all cross streets as shown in the Preliminary Engineering Documents.

The scope of improvements shown in the Preliminary Engineering Documents reflects the preferred alternative described in the Final Environmental Document. This preliminary design was used to establish the right of way limits and environmental footprint . The Design Builder shall acquire additional right of way, provide environmental clearance, and obtain the Department approval for any design changes that extend beyond the right of way limits or environmental footprint or exceed the impacts of the preferred alternative.

The Design Builder shall design and construct all roadway elements according to the Department standards. This includes but is not limited to horizontal alignment, vertical alignment, superelevation, cross slopes, lane widths, shoulder widths, medians, clear recovery zone, side slopes, and cut and fill slopes. This Project has additional specific requirements for some of these elements, which are given in this section.

The Design Builder shall identify and correct all clear recovery zone deficiencies on the freeway facility for all areas adjacent to new construction. [For Stage 1, clear zone recovery deficiencies shall be corrected north of La Jolla Village Drive.](#)

The Design Builder shall design all temporary roadway facilities to comply with the same design and construction requirements as that of the permanent roadway facilities. Design-Builder shall furnish all necessary design documents and obtain all necessary permits for temporary traffic detours, temporary realignments of existing local roadways, and access roads affected by Project construction. Design Builder shall coordinate the design of these elements with the Department and affected federal, state, and local agencies.

The Design Builder shall prepare or validate the completion of all necessary engineering studies and applicable design reports to justify all project roadway elements used in the project.

The Design Builder shall determine the construction limits of all improvements required on all roadways and include said limits in the design documents.

The Design Builder shall obtain approval from the Department and FHWA prior to constructing any temporary entrance/exit ramps and perform any associated engineering, documentation, and coordination.

The Design Builder shall use the methodologies given in the Highway Capacity Manual. All roadways and intersections shall be designed to accommodate the level of services presented in the Final Environmental Document- or better for all movements for the design year. Analysis is to be based on the traffic volumes given in ~~in~~ the Final Environmental Document for the specified design -year. Final lane configurations shall be based on the results of the LOS analysis.

The design vehicle type for all turning movements and acceleration/deceleration lengths for the mainline, ramps, arterials, and other roadways associated with the Project is the STAA and BUS-40, whichever vehicle governs a particular roadway element. For vertical curves and sight distance applications, the design vehicle is a passenger car or as required in the Caltrans Highway Design Manual.

The Preliminary Engineering Plans show typical sections for mainline, ramps and cross streets. These include the number of lanes, shoulders, medians, curb and gutter, sidewalks, and other cross section elements. The number and location of lanes in each direction on mainline including the auxiliary lanes shall be consistent with the Preliminary Engineering Plans. The Design Builder shall extend the full depth pavement section for the entire width of all shoulders. The pavement includes the roadway pavement; the access ramps from and to the interchanges; incidental shoulder paving, such as maintenance vehicle pullouts and maintenance roads; and all required improvements to local streets and relocated streets.

The Design-Builder shall follow the Project-specific design standards for specific roadways shown in the following tables.

**PROJECT-SPECIFIC DESIGN STANDARDS**

Roadway: I-805 Mainline Construction  
 Location: From SR-52 to just north of Mira Mesa Boulevard

<b>Design Standards</b>	<b>Freeway Mainline</b>
<b>Jurisdictional System</b>	Department
<b>Functional Class</b>	Freeway
<b>Access Control</b>	Full
<b>Highway Type</b>	Multi-Lane Divided, Urban Section
<b>Design Vehicle</b>	STAA
<b>Terrain</b>	Rolling

<b>Traffic Volumes AADT Year 2006/2008</b>	See Environmental Document
<b>Traffic Volumes Projected AADT Year 2030</b>	See Environmental Document
<b>Projected Posted Speed</b>	65 mph
<b>Proposed Design Speed</b>	70 mph
<b>Shoulder Bus Use</b>	No
<b>Median Type</b>	Concrete Median Barrier
<b>Special Features:</b>	
1. When applicable provide asphalt concrete dike on both sides for the entire mainline roadway when concrete barrier is not otherwise present. Provide dikes along the ramps and ramp acceleration and deceleration lanes consistent with the applicable Highway Design Manual and Standard Plans. Transitions between dikes where acceleration and deceleration lane tapers terminate shall be per the applicable Standard Plan sheets.	
2. The horizontal clearance to obstruction along shoulders shall be in accordance to the Highway Design Manual.	
3. Protection shall be provided on all retaining walls, sound walls, and barriers in accordance to the Highway Design Manual and Standard Plans.	

## Section 12 Drainage

Section 12.3.2.1 “Design Frequencies” is modified as indicated below:

### 12.3.2.1 Design Frequencies

The drainage design frequencies shall be as indicated by the *Caltrans Highway Design Manual*.

The Design-Builder shall use rainfall intensity obtained from *IDF2000* as approved by Department District 11 Hydraulics Department. The Design-Builder shall evaluate flood potential for 100 yearextreme storms, including areas inundated and flow routes for water leaving the Department facilities

## Section 13 Structures

Priority 2 in Section 13.2.1.1 “All Structures and Structural Appurtenances and Retaining Wall Structures Standards and Requirements” is modified as indicated below:

Priority	Agency	Title
2	AASHTO	LRFD Bridge Design Specifications, 4 <sup>th</sup> Edition with California Amendments to AASHTO LRFD Bridge Design Specifications 4 <sup>th</sup> Edition <del>including Section 5: “Concrete Structures” dated implemented</del> <u>as of December 15, 2011</u>

Section 13.2.2 “Structure Plan Submittals” is modified as indicated below:

### ***13.2.2 Structure Plan Submittals***

Plan sheets for all structures shall be in accordance with the Department practices using Caltrans Standards, specifications, and details. Specific provisions for bridge detailing shall follow Caltrans Bridge Detailing Manual.

The following structure submittals shall be provided to the Department for review on each structure:

- Concept Design – Structure Type Selection (30%) Submittal
- Intermediate Design - Unchecked Structure Details (65%) Submittal
- Final Design - Checked Structure Details (100%) Submittal
- Released-for-Construction (RFC) Submittal
- Final As-Built Structure Plans Submittal

All structure submittals across railroads (Overhead Structures) must comply with the Metropolitan Transit System (MTS) and *North County Transit District (NCTD) Guidelines for Projects on or Adjacent to Railroad* submittal criteria. Prior to final submission to the railroad companies, the Design-Builder must have 100% completed plans per Section 13.2.2.3 “Final Design - Checked Structure Details (100%) Submittal.” The Design-Builder shall adhere to any railroad agreements as required in Section 6 “Utilities” or in Section 24 “Railroad.”

Section 13.3.1 “General Bridge Design Requirement” is modified as indicated below:

### ***13.3.1 General Bridge Design Requirement***

The Design-Builder shall provide all new structural components necessary for a complete and functional structural system that provides functionality, durability, ease of maintenance, safety and aesthetics. The Design Builder shall perform seismic study on the combined bridge structure, including as well as seismic study for both the existing bridge and widened bridge, and retrofit ~~strengthen~~ the existing bridge structure if required based on the seismic study.

The Design-Builder shall use the commercially available computer bridge analysis program CSI SAP2000 or CSI Bridge, to generate the seismic bridge analysis and design model.

Section 13.3.10 “Bridge Railings and Barriers” is modified as indicated below:

**13.3.10 Bridge Railings and Barriers**

The Design-Builder shall use either the Caltrans Standard bridge railings (or barriers) or a modified railing (or barrier) type as specified in *Caltrans Standard Specifications* and the *Caltrans Standard Plans*. Bridge railing and barrier systems shall conform to standards established by the Department.

[All metal components of existing bridge railing to be removed shall be salvaged and delivered to a Department storage facility within twenty miles of the Work location](#)

Section 13.3.14 “Overhead Sign Structures” is modified as indicated below:

**13.3.14 Overhead Sign Structures**

Structural design of sign supports shall be in accordance with Caltrans Standard Plans and Specifications for Overhead Sign Structures. Overhead Sign Structures shall be submitted in accordance with Section 2.4.2.3.4, “Quality Manual–Design: Shop and Working Drawing Documents”. Overhead Sign Structure foundation design shall be based on recommendations in the Overhead Sign Structure Foundation Report. The Foundation Report shall conform to Section 8, “Geotechnical”.

[All overhead sign structures shall be fabricated at a Department approved audited facility. See a current list of audited and approved fabricators at:](#)

[http://www.dot.ca.gov/hq/esc/Translab/smdocuments/Internet\\_auditlisting.pdf](http://www.dot.ca.gov/hq/esc/Translab/smdocuments/Internet_auditlisting.pdf)

Section 13.4.1 “Permanent Retaining Wall Structures” is modified as indicated below:

**13.4.1 Permanent Retaining Wall Structures**

The Design-Builder shall determine the location(s) and types of retaining walls needed on the Project. The Design-Builder shall minimize the need and visual impacts of all walls on the Project by utilizing wall profiles and alignments, which blend with the natural terrain. Where side slopes would exceed the right of way, retaining walls shall be used. Wall type selection and design by the Design-Builder shall meet all applicable Department requirements including, but not limited to, those related to differential settlement, Visual Quality Management, Utilities, Lighting, Signage, Drainage, and Landscaping. The Design-Builder shall notify the Department of any potential right of way conflicts at the preliminary design stage.

Where possible, adjacent retaining walls shall be interconnected or curved into the existing or finished grade to eliminate blunt ends and avoid the use of guardrails, attenuators, or other safety devices at the ends. Long vertical curves shall be used at the top of the wall's profile to avoid abrupt tangents and chords.

The Design-Builder shall not use any non pre-approved Proprietary wall systems. For Pre-Qualified Products Lists (Authorized Materials List) refer to: [http://www.dot.ca.gov/hq/esc/approved\\_products\\_list/](http://www.dot.ca.gov/hq/esc/approved_products_list/)

When pre-approved proprietary or alternate wall systems other than the Department standard walls are used, the Design-Builder shall provide site specifics to the wall provider. Site specifics include, but are not limited to: profiles, wall heights, loading conditions (e.g. dead loads, live loads), results of foundation investigations, water conditions, all utilities (in-place, proposed, and future), site restrictions, expected wall cross section, and desirable wall face treatments. Any proposed pre-approved proprietary or alternate wall system will require prior approval from the Department. Walls types to be used at bridge abutments and/or approach embankments will also require prior approval.

The Design-Builder shall not use sheet pile, timber, or recycled material for permanent retaining walls or the retaining wall foundations.

The Design-Builder may use timber as temporary supports for soldier pile/tieback walls when a concrete facing is used.

Soil Nail and MSE walls shall not be used in front of the bridge abutments. Unless specified otherwise herein or in the standards, the permissible total and differential settlement, and lateral displacement and rotation of retaining walls shall be based on the wall and site-specific requirements determined by the geotechnical engineer. No lateral displacement or rotation shall be permitted for retaining walls constructed within 50 feet of [the existing bridge abutments at Soledad Canyon BOH \(Bridge No. 57-0787L/R\) Abutment 1](#)~~bridge abutments~~. The Design-Builder shall maintain a consistent architectural treatment within an uninterrupted wall segment. Wall types can be intermixed, if the adjacent retaining walls have the same architectural treatment.

Section 13.5.4.1 “Bridge scope and work” is modified as indicated below:

#### **13.5.4.1 Bridge scope and work**

Widen the existing Left and Right CIP/RC Box Girder bridges to the outside. This structure is formerly known as Carroll Canyon Bridge and Overhead. The existing six spans, 8’-6” deep, Left and Right Bridges were built in 1972 and retrofitted in 1998. The structure description and work include the following:

- Design and construct abutments and column piers/bent substructures; the left bridge superstructure shall be supported on multicolumn bents, the right bridge superstructure shall be supported on single column bents and both left and right structures shall be supported on diaphragm type abutments.
- Drilled pile foundations shall be used at bent locations.
- Design and construct left bridge superstructures; the left bridge superstructure shall be six spans, 8’-6” deep, CIP/RC Box Girder Bridge and shall be widened ~~to~~ [for the ultimate lane configuration](#).~~the outside by 52.5 feet minimum and varies.~~
- Design and construct right bridge superstructure; the right superstructure shall be six spans, 8’-6” deep, CIP/RC Box Girder Bridge and shall be widened ~~to~~ [for the ultimate lane configuration](#).~~the outside by 44 feet minimum and varies.~~
- Remove the existing barrier railings Type 9-11 and bridge overhang from outside edge of left and right bridge decks and construct Concrete Barrier Rail Type 736 at the outside widened edge of decks.

- Reconstruct existing box girder (outside bay) between Abutment 1 and Bent 2 for both left and right bridges. Coordinate with the proposed “CARROLL CANYON DAR WALLS” for bridge removal limits.
- Replace existing Type 9-11 barrier rail with Concrete Barrier Type 742 on the inside edge of decks. Refer to “SOLEDAD CANYON BR & OH (RECONSTRUCT), Bridge No. 5787R/L” As-Built plans.

Add Section 13.6.7 “Qualification Audits of Facilities” as follows:

### ***13.6.7 Qualification Audits of Facilities***

Structural precast concrete elements and steel pipe pilings shall be manufactured at a facility audited and approved by the Department. For a current listing of fabricators that have successfully completed the Department’s facility audit refer to:

[http://www.dot.ca.gov/hq/esc/Translab/OSM/smdocuments/Internet\\_auditlisting.pdf](http://www.dot.ca.gov/hq/esc/Translab/OSM/smdocuments/Internet_auditlisting.pdf)

Section 13.7.1 “Structure Construction Forms and Documents Required” is modified as indicated below:

### ***13.7.1 Structure Construction Forms and Documents Required***

The Design Builder shall submit the following completed forms and documents to the Department prior to beginning construction which can be included in the RFC package;

- Checked Joint Movement Calculations.
- 4-Scales and slope staking notes.
- Notes from Designers, and comment logs.
- Quantity Calculations for all types of materials to be incorporated
- Foundation Report.
- Temporary Easements or Utility Agreements.
- Survey Staking Control Notes.
- Prestressing shop drawings.
- Notice of Change in Clearance or Bridge Weight Rating, (Form TR-0019).
- Notice of Change in Vertical or Horizontal Clearance.
- Joint Movement calculations for type “B” seals and Joint Seal Assemblies.
- Column Guying plans.
- Falsework plans [with an independent check calculation](#).
- Bridge demolition plans.

Other information requested by the Department to verify compliance.

The Design Builder shall submit the following completed forms and documents to the Department within sixty (60) days of the completion of each structure.

- Pile driving logs location at the completion of the operation for each location of bridges, retaining walls and sound walls.

- Report of falsework clearance, (Form DS-OSC 108).
- Cast In Drilled Holes (CIDH) Pile Quantity and Drilling Record.
- Test Result Summary sheet for couplers.
- Pre-Stressing Monitoring for concrete structures.
- Pre-Stressing Calibration Monitoring Sheet for concrete structures.
- Red lines Structures As-Built plans including Shop drawings.
- Final bridge deck profile.

The Design Builder shall provide the Department with completed final project files and Final As-Built by Final Payment at the end of the project.

## Section 15 Visual Quality Management

“Retaining Walls” of Exhibit 15-A “Visual Quality Management Manual” is modified as indicated below:

### *Retaining Walls*

Retaining wall design shall incorporate the following measures unless otherwise specified:

#### *Architectural treatment:*

- All retaining walls shall have a cast in place concrete surface.
- Architectural treatment and detailing for retaining walls shall be consistent with those being constructed for the Carroll Canyon Retaining Walls for project Contract No. 11-2T0404. See attached Soledad Canyon Bridge Overhead Retaining Wall Architectural Study Details.
- Architectural treatment and detailing constructed by Contract No. 11-2T0404 shall serve as a referee sample.
- Retaining walls shall have a variable sand blast texture, random flute texture, pilasters, wall cap, and grooves.
- The scale dimensions, thickness, battered surfaces, finishes and placement of architectural detailing shall be consistent with the architectural features in the contract plans for Contract No. 11-2T0404. If the wall is designed with a barrier slab, the barrier slab overhang shall be dimensioned to match the size shown on the contract plans.
- All cast-in-place retaining wall concrete shall be integrally colored with a variable sand blast finish. Barriers at base of wall shall be integrally colored with a Class 1 finish. Random flute texture shall receive a variable sandblast finish. Color shall closely conform to Davis color No. 5447 “Mesa Buff”.
- Short retaining walls (15’ or less) located in cut sections at the edge of shoulder shall be integrally colored, cast in place concrete with random flute texture, variable sand blast texture, and grooves. The top of the wall shall have a smooth 12” wide band and no wall cap. Walls at the edge of shoulder shall be designed with a concrete half-barrier standard safety shape. The barrier shall be integrally colored to match the wall and have a medium sand blast texture. Wall layouts and profiles would consist of long radius curves with no tangents or point of intersection. Retaining walls should follow the contours of the proposed topography

if at all possible. The top of wall should maintain a gentle sloped top elevation. Each end of retaining wall and barrier shall die into the slope to eliminate the need for end treatment. Where cable rail barrier is required, stain shall be applied to the exterior surface of galvanized components (posts, cables and hardware) to produce a dark brown color with a matte finish. (See Stain Galvanized Surfaces above)

- Retaining walls if required between SR 805 and Vista Sorrento Pkwy shall be located at the top of slope near Caltrans right-of-way and be consistent with retaining walls at I-5 and Lomas Santa Fe Drive in Solana Beach. The wall design shall include variable sand blast texture, random flute texture, pilasters, wall cap, grooves, integral color listed above and the following additional features: wall cap texture detail with weathering steel plates and tubular railing (modified). See attached Retaining Wall Study Architectural Details and Retaining Wall Study Tubular Railing Details. Architectural treatment and detailing constructed by the Carroll Canyon DAR Contract No. 11-2T0404 shall serve as a referee sample for textures and color. Architectural treatment and detailing at existing retaining walls at I-5 and Lomas Santa Fe Drive shall serve as a referee sample for wall cap texture detail with weathering steel plates and tubular railing (modified).
- Tubular Railing shall conform to the provisions in Section 83-1, "Railings," of the Standard Specifications and these special provisions. Weathering steel material used for rolled and welded structural steel sections of railing shall conform to the requirements in ASTM Designation: A 588/A 588M. Portions of tubular railing (modified) in contact with concrete shall be cleaned and painted in conformance with "Clean and Paint Weathering Steel" of the special provisions for Contract No. 11-2T0404.
- Mock Ups: A test panel for each architectural feature at least 4' x 4' in size shall be successfully completed at a location approved by the Department, for each architectural texture, before beginning work on architectural textures. The test panel shall be constructed and finished with the materials, tools, equipment and methods to be used in constructing the architectural texture, including colored concrete. If ordered by the Department, additional test panels shall be constructed and finished until the specified finish, texture and color are obtained, as determined by the Department. The test panel approved by the Department shall be used as the standard of comparison in determining acceptability of architectural texture for concrete surfaces.

***Plan Requirements:***

- Visual Quality Plans: Sketches depicting Architectural Elevations, Typical Cross Sections and special details showing true proportions of elements are required for review and approval by the District Landscape Architect prior to commencing work on construction plans.
- Release for Construction Plans depicting Architectural Elevations for all walls showing true proportion of elements drawn to a 1:1 Vertical/Horizontal scale and Architectural Details are required.

## Section 16 Signing Pavement Marking, Signalization, and Lighting

Section 16.3.1.2 “Signing Plan Requirements” is modified as indicated below:

### 16.3.1.2 Signing Plan Requirements

The Design-Builder shall develop a Signing Plan for the project to:

- Provide for modification of any signage outside the Planned Right of Way limits that is rendered inaccurate, ineffective, confusing, or unnecessary by the Project. Such modifications may include the addition, resetting, relocation or removal, or replacement of signs and appurtenances.
- Continue to display such signing during the remaining construction of the Project if permanent signing is erected by the Design-Builder that could be used for motorist guidance..
- Maintain existing signs during all phases of construction as appropriate.
- Replace all existing signs within the Planned Right of Way and Project limits that do not meet current standards and as necessary with concurrence of the Department.
- All off-ramps must have intersection lane control signing (on both sides of the off-ramp for multiple lanes) for temporary (that exist for more than seven days) and permanent off-ramp lane configurations at the beginning of the turn lanes and at the intersection (mast arm mounted where possible)
- The Signing plan shall provide for modifications to signage outside the Planned Right of Way limits that are rendered inaccurate, ineffective, confusing, or unnecessary by the Project. This includes signs on roadways inside and outside the Planned Right of Way limits. Guide signs include route marker assemblies, directional, distance, and information signs. The modifications shall include the addition resetting, relocation or removal, or alteration of signs and appurtenances.
- Include all necessary signs for the mainline, ramps, and interchanges, as well as for the arterial streets, frontage roads, and any other roadways affected by the Project.
- Signs shall be located in accordance with the requirements of the CA MUTCD and in such a manner that they do not conflict with other signs, vegetation, or structures and are clearly visible according to CA MUTCD standards.
- The Design-Builder shall design and install guide signs and Trailblazer Signs outside of the final right of way for the Project. The scope of the Work for signs located outside of the final right of way includes new signs and modifications to existing sign panels and structures.
- The Design-Builder will install signs located outside of the final right of way in existing rights-of-way controlled by other local agencies. The Design-Builder shall coordinate with the applicable local agency for the design and installation of the guide and trailblazer signs outside of the final right of way.
- The Design-Builder shall replace any existing signs within the project area that do not meet retroreflectivity requirements as defined in the CA MUTCD. [See Exhibit 16-A](#)

- Temporary signs placed during construction shall not block pedestrian or bicycle paths, routes, or lanes, unless suitable alternative routes are provided

The Permanent and Temporary Signing Plan shall include as a minimum, the following requirements:

- Sign Plan Sheets
- Sign Quantity Plan Sheets
- Sign Detail Plan Sheets
- Construction Area Sign Plan Sheets
- Temporary Traffic Control Plan Sheets
- Proximity to Intelligent Transportation System (ITS) devices, including Changeable Message Sign (CMS) locations

Section 16.3.8 “Electrical Design” is deleted in its entirety.

Section 16.4 “Construction Requirements” is modified as indicated below:

## **16.4 Construction Requirements**

Construction shall be in accordance with the requirements of the Standard Specifications and the Special Provisions.

[Fabrication of welded steel for overhead sign structures, and welded steel poles for lighting and signal structures shall be manufactured at a facility audited and approved by the Department. For a current listing of fabricators that have successfully completed the Department’s facility audit refer to:](#)

[http://www.dot.ca.gov/hq/esc/Translab/OSM/smdocuments/Internet\\_auditlisting.pdf](http://www.dot.ca.gov/hq/esc/Translab/OSM/smdocuments/Internet_auditlisting.pdf)

The Design-Builder shall use Materials listed on the Department Approved Products List for Work Zones and Signals. The Design-Builder shall obtain the current Approved Products List.

The Design-Builder shall make appropriate arrangements with the electric company for installation or relocation of power service.

Add Exhibit 16-A “Existing Signs for Replacement” attached.

## Section 17 Intelligent Transportation Systems

Section 17.2.4 “Software Requirements” is modified as indicated below:

### *17.2.4 Software Requirements*

The Design Builder may at its own discretion use any software when submitting plans for approval but shall prepare the final drawings using MicroStation ~~SE~~-[Version 8](#) and CAiCE Version ~~10SP6~~-[10SP8](#) as the drafting and design software, respectively.

Design Builder shall use ITS devices that are compatible with the data requirements of the Caltrans District 11 Transportation Management Center (TMC) back-office systems and associated communication network. Due to new technology updating so rapidly, the Design Builder shall meet with Department ~~Engineers~~ to inquire about the software currently being used to ensure Project conformity.

Section 17.3.2 “General Requirements” is modified as indicated below:

### *17.3.2 General Requirements*

The ITS design shall provide for fiber-optic communications, operations data collection (loop detection), and motorist information features Eight (8) high density polyethylene (HDPE) conduits, 1” or 1 1/4” each and suitable for the purposes of containing fiber optic cable, shall be installed underneath the NB freeway shoulder from the South end of the Carroll Canyon Road Bridge and Overhead (Bridge No. 57-787 Rt.) to the North end of the project limits. The HDPE conduits will terminate at the North end in an existing fiber optic vault located at approximately. Sta. ~~1498+50453+96~~ “A”. Fiber optic cable [Type 144](#) matching the cable located in this vault shall be installed from this existing vault to a vault to be installed at Sta. ~~1463+25446+60~~ “A”. From this latter vault to the vault located at the South end of the Carroll Canyon OH, the HDPE conduits will be installed empty. Vaults will be required at both ends of structures and wherever necessary for the convenience of installing fiber optic cabling. The vault located at Sta. ~~1463+25446+60~~ “A” shall be provided with a splice closure and used to connect to fiber optic cable placed from adjacent project (EA:2T0404). The new fiber optic cable shall be spliced to the existing cable in a manner that provides consistent communication between all field elements and the communication hub building. The Design Builder shall provide a complete, operational, and maintainable ITS systems and/or components. These systems and/or components shall be compatible with the in-place legacy system. The Design Builder shall label the ITS devices with the Department provided naming and numbering convention. The Design Builder shall provide an ITS design that meets, at a minimum, the following requirements:

- Expandability
- Consistent cabinet layouts throughout field device locations
- Support stand-alone operation of all field devices using backup software components
- Protection from voltage surges and lightning
- Weather-resistant elements capable of operating in rain and wind conditions and in temperature and humidity ranges encountered in the Project area

- ITS elements that are considered as the fixed objects should be installed outside the clear recovery zone. The Design Builder shall design all temporary roadway facilities to comply with the same design and construction requirements as that of the permanent roadway facilities.
- If ITS elements being considered as the fixed objects cannot be installed beyond the clear recovery zone, they shall be constructed and protected per AASHTO Roadside Design Guide, Caltrans HDM and Caltrans Standard Plans.
- At a minimum, a Maintenance Vehicle Pullout (MVP) per *Caltrans Standard Plans* shall be constructed adjacent to each site of ITS components such as the controller cabinets for, and Vehicle Detection Stations and Count Stations. Wherever possible, a MVP should be installed.

The Design Builder shall use stainless steel mounting hardware (e.g., bolts, nuts, washers, and external hinges) on vaults, cabinets, shelters, and other outdoor ITS devices. The Design Builder shall use only components designed for 20 or more years of industrial use. All material, equipment, and component parts furnished shall be new (within 12 months from date of manufacture), of the latest design and manufacture, in an operable condition at the time of delivery and installation, and compatible with the in-place system.

Section 17.3.2.2 “Communication Hub Buildings” is modified as indicated below:

#### **17.3.2.2 Communication Hub Buildings**

The existing communication hub building is located at the termination of the SB off ramp from I-5 to Roselle Street. The existing fiber optic cable runs between this hub building and the vault located at Sta. 1498+50~~453+96~~ “A”. No additional work at this hub building should be required.

Section 17.3.6 “Communication Network” is modified as indicated below:

#### **17.3.6 Communication Network**

The Design Builder shall utilize the existing ethernet network with the final products installed. The Design Builder shall modify a communication network that has redundant routing capabilities and enough bandwidth to meet the operational requirements. Fiber optic communication system shall be used in this project. The Design Builder shall perform the following:

- Perpetuate the existing communications functionality during the construction period at a specified level of service.
- Design and construct a fiber optic communications network to serve the ITS elements along the entire corridor beginning at a new fiber optic vault from approximately Sta 14430+00 to an existing fiber optic vault located at approximately Sta 14980+50. Provide F/O Communication Network cables-as described in Section 17.3.2.
- Propose solutions to achieve design objectives based on the functional, technical, operational, and maintenance requirements

The Design Builder shall not substitute or apply any part or attach any piece of equipment contrary to the manufacturer’s recommendations and standard practices.

Section 17.5.1.1 “Over-the-Shoulder Design Documents” is modified as indicated below:

#### **17.5.1.1 Over-the-Shoulder Design Documents**

During the design process, any submittals required in the Design Standards or other Contract Documents shall be prepared by the Design Builder and submitted to the Department. Submittals shall be in a format acceptable and organized to facilitate review. ~~It shall be the responsibility of the Design Builder to coordinate to insure that the structure of the submittals is satisfied.~~

### **Section 18 Maintenance of Traffic**

Section 18.3.6 “Temporary Railing (Type K), Guardrail, Barrier, Lights, Signals, Attenuators, and Glare Screen” is modified as indicated below:

#### ***18.3.6 Temporary Railing (Type K), Guardrail, Barrier, Lights, Signals, Attenuators, and Glare Screen***

The Design-Builder shall be responsible for using temporary railing (Type K), guardrail or barrier and attenuators and take any other necessary protective measures to protect the traveling public from all Work by the Design builder that creates a condition that is hazardous to the public and to direct traffic. The use of Temporary traffic control devices shall conform to the following provisions and these Technical Provisions:

- Fixed objects within the 15 foot clear zone
- K-rail used shall not preclude the conveyance of storm water through the barrier
- Slopes steeper than 1:4 (v:h)
- Section 7-1.08, “Public Convenience,” of the Standard Specifications with amendments.
- Section 7-1.09, “Public Safety,” of the Standard Specifications with amendments.

Section 18.4.3.3 “Late Reopening of Closures” is modified as indicated below:

#### **18.4.3.3 Late Reopening Of Closures**

If a closure is not reopened to public traffic by the specified time, work shall be suspended in conformance with the provisions in Section 8-1.05, "Temporary Suspension of Work," of the Standard Specifications. No further closures are to be made until the Department has accepted a work plan, submitted by the Design-Builder, that will ensure that future closures will be reopened to public traffic at the specified time. The Department will have 2 business days to accept or reject the Design-Builder's proposed work plan. The Design-Builder will not be entitled to compensation for the suspension of work resulting from the late reopening of closures.

For each 10-minute interval, or fraction thereof past the time specified to reopen the closure, the Department will deduct the amount per interval shown below from moneys due or that may become due the Design-Builder under the contract. Damages are limited to 5 percent of project

cost per occurrence and will not be assessed when the Department requests that the closure remain in place beyond the scheduled pickup time.

Type of Facility	Route or Segment	Period	Damages/interval (\$)
Mainline	Rte. 805	1st half hour 2nd half hour 2nd hour and beyond	<del>\$42003800</del> / 10 minutes <del>\$63505700</del> / 10 minutes <del>\$84507600</del> / 10 minutes
Connector	NB 805 Connector to Rte. 52	1st half hour 2nd half hour 2nd hour and beyond	\$1000 / 10 minutes \$1000 / 10 minutes \$1000 / 10 minutes
Connector	EB 52 Connector to NB 805	1st half hour 2nd half hour 2nd hour and beyond	\$1000 / 10 minutes <del>\$12501000</del> / 10 minutes <del>\$1700900</del> / 10 minutes
Connector	WB 52 Connector to NB 805	1st half hour 2nd half hour 2nd hour and beyond	<del>\$1000150</del> / 10 minutes <del>\$1250750</del> / 10 minutes <del>\$17002350</del> / 10 minutes
Connector	WB 52 Connector to SB 805	1st half hour 2nd half hour 2nd hour and beyond	\$1000 / 10 minutes \$1000 / 10 minutes \$1000 / 10 minutes
Connector	SB 805 Connector to Rte. 52	1st half hour 2nd half hour 2nd hour and beyond	\$1000 / 10 minutes \$1000 / 10 minutes \$1250 / 10 minutes
<u>Connector</u>	<u>SB 5 Local Bypass to SB 805 52</u>	<u>1st half hour</u> <u>2nd half hour</u> <u>2nd hour and beyond</u>	<u>\$1000 / 10 minutes</u> <u>\$1000 / 10 minutes</u> <u>\$1000 / 10 minutes</u>

Replace Exhibit 18-B “Lane Closure Charts” with the attached revised Exhibit 18-B.

## Section 20 Bicycle and Pedestrian Facilities

Section 20.2.4 “Software Requirements” is modified as indicated below:

### 20.2.4 Software Requirements

The Design-Builder may at its own discretion use any software when submitting plans for approval but shall submit final drawings in MicroStation ~~SE~~-Version 8 and CAiCE Version ~~+0SP6~~-10SP8 formats as the drafting and design software, respectively.

## Section 21 Pavements

### 21.2.4 Software Requirements

The Design-Builder shall utilize statewide approved roadway pavement software for analyzing and developing details for the pavement structure recommendations in Attachment ~~1~~ of [Exhibit 21-A](#) listed in the following Department website:

[http://www.dot.ca.gov/hq/maint/Pavement/Offices/Pavement\\_Engineering/Software.html](http://www.dot.ca.gov/hq/maint/Pavement/Offices/Pavement_Engineering/Software.html)

The Design Builder may at its own discretion use any software when submitting plans for approval but shall submit the final drawings in MicroStation ~~SE~~ Version 8 and CAiCE Version ~~+0SP6~~-10SP8 formats as the drafting and design software, respectively.

Section 21.3.7.5 “Pavement Widening” is modified as indicated below:

#### **21.3.7.5 Pavement Widening**

In addition to the Standards and Requirements in 21.2.1, pavement widening design shall be in accordance with Pavement Policy Bulletin 10-1 *Pavement Design for Widening Projects*. In addition, the adjacent lane to the widening shall be repaired and rehabilitated as needed to match the pavement design life of the widening in order to provide a smooth transition between existing and new pavement. ~~For concrete pavements, if more than 5% of the slabs in the lane adjacent to the widening require replacement in accordance with the *Slab Replacement Guidelines*, then a life cycle cost analysis shall be in done in accordance with Design Information Bulletin 81 *CAPM Guidelines* and the *Life Cycle Cost Analysis Procedures Manual*. If the life cycle cost analysis indicates that lane replacement is more cost effective, the adjacent lane shall be replaced in accordance with the *Jointed Plain Concrete Pavement Rehabilitation and Preservation Guide*. No slab replacement is needed on this project.~~

### **Section 22 Stormwater**

Section 22.2.1.1 “Permits” is modified as indicated below:

#### **22.2.1.1 Permits**

1. Caltrans NPDES Permit 99-06-DWQ (-Permit in effect on the Proposal due date)
- ~~2.~~
- ~~3.~~ NPDES General Permit For Storm Water Discharges Associated with Construction 2009-0009-DWQ (CGP 2009-0009-DWQ effective July 1, 2010)
3. Dewatering permit under the San Diego Regional Water Quality Control Board (SDRWQCB)
4. Project Specific 404 Permit related to stormwater
5. Project Specific 401 Certification requirements related to stormwater
6. Project Specific Fish and Game 1602~~1~~ requirements related to stormwater

### **Section 23 Ramp Metering and Traffic Monitoring Systems Stormwater**

Section 23.2.5 “Software Requirements” is modified as indicated below:

#### **23.2.5 Software Requirements**

The Design-Builder may at its own discretion use any software when submitting plans for approval but shall prepare final drawings using MicroStation ~~SE~~ Version 8 and CAiCE Version ~~10SP6~~ 10SP8 as the drafting and design software, respectively.

## BOOK 3 APPLICABLE STANDARDS

The Book 3, Applicable Standards, is modified as indicated by the deletions and additions set forth below.

### Section 1 Index of Standards, Manuals, Guidelines and References

References 21 and 208 are modified as indicated below:

21	AASHTO	<u>AASHTO LRFD Bridge Design Specifications</u> , <del>SI Units</del>	4th Edition 2007	IS	√
208	Caltrans	<u>California Amendments to the AASHTO LRFD Bridge Design Specifications – Fourth Edition</u>	December 15, 2011	W	√

Add References 525, 526, 527 and 528 as follows:

525	<u>Caltrans</u>	<u>California Amendment to AASHTO LRFD Bridge Design Specifications – 4<sup>th</sup> Editions</u>	<u>November 2011</u>	<u>E</u>	<u>√</u>
526	<u>Caltrans</u>	<u>Office of Structural Materials Practices and Procedures Manual</u>	<u>April 2010</u>	<u>W</u>	<u>√</u>
527	<u>AREMA</u>	<u>Manual for Railway Engineering</u>	<u>2011</u>	<u>W</u>	<u>√</u>
528	<u>NCTD</u>	<u>Guidelines for Projects On or Adjacent to Railroad Right-of-Way</u>	<u>August 2009</u>	<u>W</u>	<u>√</u>

### Section 4 Design-Build Modifications to the Caltrans Standard Specifications May 2006 Edition

Section 6.-1.0 “Source of Supply and Quality of Materials” is modified as indicated below:

#### 6.-1.01 Source of Supply and Quality of Materials

Provisions regarding Source of Supply and Quality of Materials are applicable to this project ~~hereby deleted in their entirety and are set forth in Section 5 “Control of Work” of the Contract Documents.~~

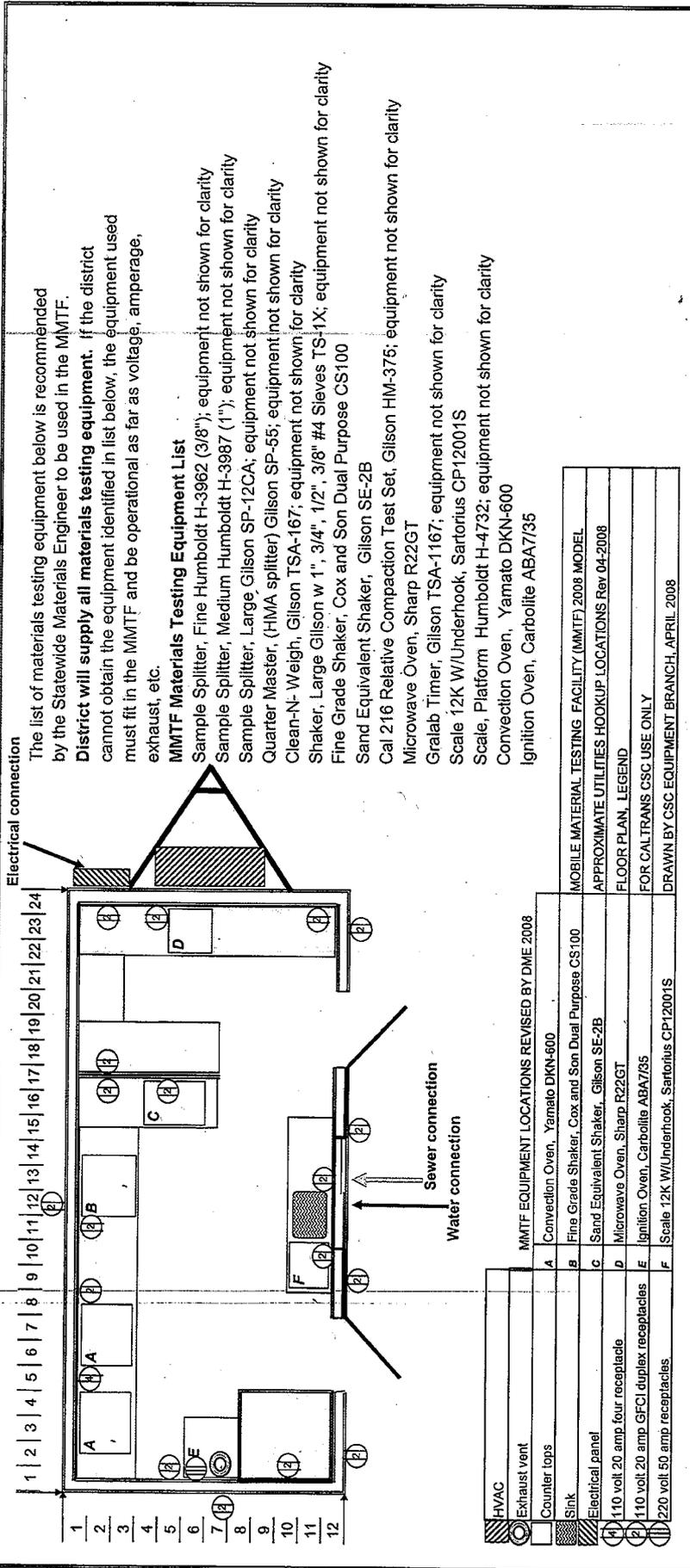
## REFERENCE INFORMATION DOCUMENTS (RID)

See revised RID Index for a list of Reference Information Documents provided in the Data Room.

## **EXHIBIT 2-B**

Mobile Material Testing Facility

# CALTRANS MOBILE MATERIAL TESTING FACILITY (MMTF) 2008 MODEL AND EQUIPMENT LAYOUT DRAFT



The list of materials testing equipment below is recommended by the Statewide Materials Engineer to be used in the MMTF. District will supply all materials testing equipment. If the district cannot obtain the equipment identified in list below, the equipment used must fit in the MMTF and be operational as far as voltage, amperage, exhaust, etc.

### MMTF Materials Testing Equipment List

- Sample Splitter, Fine Humboldt H-3962 (3/8"); equipment not shown for clarity
- Sample Splitter, Medium Humboldt H-3987 (1"); equipment not shown for clarity
- Sample Splitter, Large Gilson SP-12CA; equipment not shown for clarity
- Quarter Master, (HMA splitter) Gilson SP-55; equipment not shown for clarity
- Clean-N-Weigh, Gilson TSA-167; equipment not shown for clarity
- Shaker, Large Gilson w 1", 3/4", 1/2", 3/8" #4 Sieves TS-1X; equipment not shown for clarity
- Fine Grade Shaker, Cox and Son Dual Purpose CS100
- Sand Equivalent Shaker, Gilson SE-2B
- Cal 216 Relative Compaction Test Set, Gilson HM-375; equipment not shown for clarity
- Microwave Oven, Sharp R22GT
- Gralab Timer, Gilson TSA-1167; equipment not shown for clarity
- Scale 12K W/Underhook, Sartorius CP12001S
- Scale, Platform Humboldt H-4732; equipment not shown for clarity
- Convection Oven, Yamato DKN-600
- Ignition Oven, Carbolite ABA7/35

MMTF EQUIPMENT LOCATIONS REVISED BY DME 2008	
A	Convection Oven, Yamato DKN-600
B	Fine Grade Shaker, Cox and Son Dual Purpose CS100
C	Sand Equivalent Shaker, Gilson SE-2B
D	Microwave Oven, Sharp R22GT
E	Ignition Oven, Carbolite ABA7/35
F	Scale 12K W/Underhook, Sartorius CP12001S

⊞	HVAC
⊞	Exhaust vent
⊞	Counter tops
⊞	Sink
⊞	Electrical panel
⊞	110 volt 20 amp four receptacle
⊞	110 volt 20 amp GFCI duplex receptacles
⊞	220 volt 50 amp receptacles

⊞	MOBILE MATERIAL TESTING FACILITY (MMTF) 2008 MODEL
⊞	APPROXIMATE UTILITIES HOOKUP LOCATIONS Rev 04-2008
⊞	FLOOR PLAN, LEGEND
⊞	FOR CALTRANS CSC USE ONLY
⊞	DRAWN BY CSC EQUIPMENT BRANCH, APRIL 2008



## **EXHIBIT 4-B5**

Design-Builder Responsibility for Permits

# Design Builders Responsibility for Permits

## **A. Biological Opinion Reference # FWS-SDG-09B0274-10F0485**

Design Builder is responsible for the following: All sections of Conservation Measures # 5-7 & 9-15

## **B. Streambed Alteration Agreement Notification No 1600-2011-0179-R5**

Design Builder is responsible for the following:

- 1) Administrative Measures # 1.1, 1.2, 1.4, 1.5, 1.6 (Caltrans is responsible for all agency contact, the design builder will have one point of contact designated for communicating with Caltrans), 1.7.
- 2) Avoidance and Minimization Measures # 2.1-2.7 & 2.9-2.15
- 3) Compensatory Mitigation Measures #3.4-3.5 (Design Builder is responsible for all on site temporary construction impacts) & 3.7
- 4) Reporting Measures # 4.3 (Design builder is responsible for gathering the data and information required section 2 a-e)

## **C. Clean Water Act Section 401 Water Quality Certification and Waste Discharge Requirements for Discharge of Dredged and/or Fill Materials: Water Quality Certification No. 11 C-052**

Design Builder is responsible for the following:

- 1) Additional Conditions: General letters B through I.
- 2) Additional Conditions: Construction Best Management Practices letters A through L.
- 3) Additional Conditions: Post-Construction Best Management Practices letters A,B,D-F,& H.
- 4) Additional Conditions: Impacts and Compensatory Mitigation letters H-J
- 5) Monitoring Requirements: A-B (Design Builder is responsible at Rose Creek).
- 6) Notification Requirements: A (Design Builder is responsible for notification to Caltrans of any unauthorized discharge).
- 7) Reporting Requirements: A, E, F (Design Builder is responsible for providing information to Caltrans for Construction).

Route: 11-SD-805		Existing Utility Information Utility Relocation Conflict List (Design Build)				Design Manager : R. Carat / R. Carlin		
PM: 23.1-28.5		Description: HOV Lanes (mostly median Widening), DAR and Ramps Realignment				Service Engineer: Michael Pedersen		
* Estimate based on Design/Build revised Limits (June 2011).						RW Utility Coordinator: Carol Vu		
						Date:11/3/11		
EA 11-2T2001 (from 081630 I-805, SR 52 to I-5/I805 Merge)								
I.D.	Sheet	OWNER	FACILITY	LOCATION	Potential Utility Conflict	Pothole Required (Y/N)	Level of Accuracy	Conflict Resolution
1	2	SDGE	Electric - 230 KV (OH crossing freeway before Governor Dr NB On-ramp)	Transverse Sta. 1312+65 - "805" Alignment	No Conflict (Masts outside RW/Work Limits)	N	Preliminary - Unverified	-
2	2	SDGE	Electric - 138 KV (OH crossing freeway before Governor Dr NB on-ramp, parallel to and North of 230 KV line)	Transverse Sta. 1313+23 - "805" Alignment	No Conflict (Masts outside RW/Work Limits)	N	Preliminary - Unverified	-
3	2	SDGE	Gas - 36" (Barrel for Future or Emergency Use)	Transverse @ 60 degree Sta. 1314+05 - "805" Alignment	No Conflict. Area is fill. Structural Section at median to be same as exist adjacent S/Section.	N	Preliminary - Unverified	-
4	2	SDGE	Gas - 30" (595 PSI)	Transverse @ 35 degree Sta. 1316+75 - "805" Alignment	No Conflict. Area is fill. Structural Section at median to be same as exist adjacent S/Section.	N	Preliminary - Unverified	-
5	3	City of San Diego	Water - 42" SCRW	Transverse Sta. 1322+00 - "805" Alignment - Governor Drive (UC)	Median HOV lane Construction - Bridge Abutment Construction	N	Preliminary - Unverified	Protect in Place
6	3	City of San Diego	Reclaimed Water - 10" PVC	Transverse Sta. 1322+80 - "805" Alignment - Governor Drive (UC)	Median HOV lane Construction - Bridge Abutment Construction	N	Preliminary - Unverified	Protect in Place
7	3	AT&T	Telephone - 1P2C - UG	Transverse Sta. 1322+80 - "805" Alignment - Governor Drive (UC)	Median HOV lane Construction - Bridge Abutment Construction	N	Preliminary - Unverified	Protect in Place
8	4	City of San Diego	Sewer - 24" VCP	Transverse Sta. 1350+00 - "805" Alignment - Along Rose Canyon	Center Bridge Widening Pier/Abut construction	N / Locate	Preliminary - Unverified	Protect in Place
9	4	SDGE	Electric - 69 KV ( OH crossing under freeway, S of RR track)	Transverse Sta. 1350+45 - "805" Alignment - Along Rose Canyon	Center Bridge Widening Safety OSHA	N	Preliminary - Unverified	consider de-energize
10	4	MCI	Telephone - MFS Local U/G (in Rail Corridor)	Transverse Sta. 1351+50 - "805" Alignment - Along Rose Canyon	Center Bridge Widening	N / Locate	Preliminary - Unverified	Protect in Place
11	4	SDGE	Electric - 69 KV (OH crossing under freeway, N of RR track)	Transverse Sta. 1352+15 - "805" Alignment - Along Rose Canyon	Center Bridge Widening Safety OSHA	N	Preliminary - Unverified	consider de-energize
12	4	City of San Diego	Sewer - 10" VCP (Not in Use)	Transverse Sta. 1369+40 - "805" Alignment	HOV lane Construction	N	Preliminary - Unverified	Protect in Place
13	5	SDGE	Electric - 12 KV (bridge deck)	Transverse Sta. 1375+65 - "805" Alignment - Nobel Dr (OC)	No Conflict / No Bridge works	N	Preliminary - Unverified	-
14	5	AT&T	Telephone - 6PC4C (bridge deck)	Transverse Sta. 1375+80 - "805" Alignment - Nobel Dr (OC)	No Conflict / No Bridge works	N	Preliminary - Unverified	-
15	6	City of San Diego	Sewer - 10" VC (Not in Use)	Transverse Sta. 1383+90 - "805" Alignment	Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
16	6	City of San Diego	Sewer - 10" VC	Transverse Sta. 1394+00 - "805" Alignment	Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
17	6	AT&T	Telephone - 4MCD (bridge deck)	Transverse Sta. 1400+00 - "805" Alignment - La Jolla Village Dr (OC)	No Bridge Works & Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
18	6	SDGE	Electric - 12 KV (bridge deck)	Transverse Sta. 1400+00 - "805" Alignment - La Jolla Village Dr (OC)	No Bridge Works & Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
19	6	MCI	Telephone - MFS Local U/G (bridge deck)	Transverse Sta. 1400+90 - "805" Alignment - La Jolla Village Dr (OC)	No Bridge Works & Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
20	6	City of San Diego	Sewer - 10" VC	Transverse Sta. 1409+15 - "805" Alignment	Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
21	6	City of San Diego	Reclaimed Water - 10" PVC	Transverse Sta. 1409+30 - "805" Alignment	Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
22	6	City of San Diego	Sewer - 84"AC Plastic Line RCP	Transverse Sta. 1409+40 - "805" Alignment	Current EA 089754 works w/No Conflict	N	Preliminary - Unverified	-
23	7	TelePacific/M Power	Cable (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
24	7	Qualcomm	Fiber Optic (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
25	7	XO Communication	Fiber Optic (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
26	7	AT&T	Telephone - 18" INVC (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
27	7	Time Warner	Cable - 0.86 QR (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
28	7	Time Warner	Cable - 0.75 STD (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
29	7	Time Warner	Cable - 0.75 STD (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
30	7	SDGE	Electric - 12 KV (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
31	7	SDGE	Electric - 12 KV (bridge deck)	Transverse Sta. 1421+75 - "805" Alignment - Eastgate Mall (OC)	No Conflict - No Bridge works	N	Preliminary - Unverified	-
32	7	City of San Diego	Water - 36" RCSC	Transverse Sta. 1422+88 - "805" Alignment - JNO Eastgate Mall Bridge	Median Lane Widening & DAR Retain Walls	88" Deep in median	A - at this location (survey available)	Relocate/Protect in Place
33	7	City of San Diego	Fiber Optic ('Tunnel')	Transverse Sta. 1423+01 - "805" Alignment - JNO Eastgate Mall Bridge	Median Lane Widening & DAR Retain Walls	88" Deep in median	A - at this location (survey available)	Relocate/Protect in Place
34	7	SDGE	Gas - 10" (400 PSI)	Transverse Sta. 1423+63 - "805" Alignment - JNO Eastgate Mall Bridge	Median Lane Widening & DAR Retain Walls	68" Deep in median, 60" deep SB toe of slope, 38" deep NB toe of slope	A - at the three locations (survey available)	Relocate/Protect in Place
35	8	MCI	Telephone - LD UG (In Rail Corridor)	Transverse Sta. 1445+85 - "805" Alignment - Carroll Canyon	Center Bridge Widening (Column)	N / Locate	Preliminary - Unverified	Protect in Place
36	8	City of San Diego	Sewer - 30" VC	Transverse Sta. 1448+65 - "805" Alignment - Carroll Canyon	Center Bridge Widening (Column)	N / Locate	Preliminary - Unverified	Relocate/Protect in Place
37	9	Time Warner	Cable - 750 P3 - UG	Transverse Sta. 1460+60 - "805" Alignment - Mira Mesa Blvd (UC)	Current EA 2T0404 works w/No Conflict	N	Preliminary - Unverified	-
38	9	City of San Diego	Water - 15" AC	Transverse Sta. 1461+00 - "805" Alignment - Mira Mesa Blvd (UC)	Current EA 2T0404 works w/No Conflict	N	Preliminary - Unverified	-
39	9	AT&T	Telephone - 6PC4C - UG	Transverse Sta. 1461+40 - "805" Alignment - Mira Mesa Blvd (UC)	Current EA 2T0404 works w/No Conflict	N	Preliminary - Unverified	-
40	9	AT&T Legacy/Cox	Telephone - 6PC4C - UG	Transverse Sta. 1461+50 - "805" Alignment - Mira Mesa Blvd (UC)	Current EA 2T0404 works w/No Conflict	N	Preliminary - Unverified	-
41	9	SDGE	Electric - 12 KV - OH	Transverse Sta. 1473+60 @ 90 degree - "805" Alignment	Outside Current Limits. Current EA 2T0404 works w/No Conflict	N	Preliminary - Unverified	-
42	9	SDGE	Electric - 12 KV - OH	Transverse Sta. 1481+70 @ 90 degree - "805" Alignment	Outside Current Limits. Current EA 2T0404 works w/No Conflict	N	Preliminary - Unverified	-
43	10	Qualcomm	Telephone - OH	Transverse Sta. 1481+70 @ 90 degree - "805" Alignment	Outside Current Limits. Current EA 2T0404 works w/No Conflict	N	Preliminary - Unverified	-
44	10	SDGE	Electric - 12 KV - OH	Transverse Sta. 1493+40 @ 90 degree - "805" Alignment	Outside Current Limits	N	Preliminary - Unverified	-
45	10	Time Warner	Cable 0.75 STD - OH	Transverse Sta. 1493+40 @ 90 degree - "805" Alignment	Outside Current Limits	N	Preliminary - Unverified	-
46	10	Time Warner	Cable 0.75 STD - OH	Transverse Sta. 1493+40 @ 90 degree - "805" Alignment	Outside Current Limits	N	Preliminary - Unverified	-
47	10	Time Warner	Cable 0.75 STD - OH	Transverse Sta. 1493+40 @ 90 degree - "805" Alignment	Outside Current Limits	N	Preliminary - Unverified	-

## **EXHIBIT 16-A**

Existing Signs for Replacement

SB 805

- ① MCAS Miramar  
NEXT EXIT

GROUND MOUNT  
pm 26.5
- ② Governor Drive  
EXIT ONLY ↗

OH SIGN  
pm 24.741  
ADD EXIT # 24
- ③ Junction (52)  
1/2 MILE

OH SIGN  
pm 24.471
- ④ Junction (52)  
↓ EXIT ↓ ONLY

OH SIGN  
pm 24.197
- ⑤ (52) Freeway  
East  
LEFT LANE  
West  
RIGHT LANE

GROUND MOUNT  
pm 24.1
- ⑥ INTERSTATE 805 SOUTH  
↓ ↓ ↓ ↓

Junction (52)  
↗ ↗ EXIT ONLY

OH SIGN  
pm 24.02  
ADD EXIT # 23
- ⑦ Clairemont Mesa  
Boulevard  
EXIT 1 MILE

OH SIGN  
pm 23.733

NB 805, 52-MIRA MESA

- ① Governor Drive  
EXIT 3/4 MILE

OH SIGN  
pm 23.568
- ② Governor Drive  
EXIT ↓ ONLY

OH SIGN  
pm 23.932
- ③ Governor Drive  
↗ EXIT ONLY

OH SIGN  
pm 24.244  
ADD EXIT # 24
- ④ MCAS Miramar  
NEXT EXIT

GROUND MOUNT  
pm 25.2
- ⑤ Sorrento Valley Rd  
1/2 MILE

Mira Mesa Blvd  
Vista Sorrento Pkwy  
↓ EXIT ↓ ONLY

OH SIGN  
pm 26.390
- ⑥ Sorrento Valley Rd  
1/4 MILE

Mira Mesa Blvd  
Vista Sorrento Pkwy  
↗ ↗ EXIT ONLY

OH SIGN  
pm 26.56  
ADD EXIT # 27A

**EXISTING SIGNS FOR REPLACEMENT**

**Chart No. 1  
Freeway/Expressway Lane Requirements**

County: SD	Route/Direction: 805/ NB	PM: 22.31 – 27.20
------------	--------------------------	-------------------

Closure Description: 0.25 Mi. S. of Clairemont Mesa OC to 0.13 Mi. N. of Mira Mesa Blvd UC

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	1	1	1	1	1																		2	2	1
Fridays	1	1	1	1	1																				
Saturdays				1	1	1	2	2																	
Sundays				1	1	1	1	2	2	2													2	2	1

**Legend:**

- 
 1 Provide at least one through freeway lane open in direction of travel
  
- 
 2 Provide at least two adjacent through freeway lanes open in direction of travel
  
- 
 Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

F= 2T2001 – WHABBABA – 07-21-2011  
E-FIS # 1100020191

**Chart No. 2  
Complete Connector Closure Hours**

County: SD	Route/Direction: 805/ NB	PM: 23.267
------------	--------------------------	------------

Closure Description: NB 805 Connector to Rte. 52

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays				C	C	C	C	C																		
Sundays				C	C	C	C	C	C	C														C	C	C

Legend:

C	Connector may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No other closure that conflicts with or shares any elements of the following detour will be permitted.

**Detour NB 805 Conn. to Rte. 52**  
 Detour NB 805 Conn. to EB/WB 52 traffic via northerly on Rte. 805 to NB 805 Off-ramp to Governor Dr., thence westerly on Governor Dr. to SB 805 On-ramp from Governor Dr., thence southerly on Rte. 805 to SB 805 Conn. to EB/WB 52.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on NB at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

<p align="center"><b>Chart No. 3</b> <b>Complete Connector Closure Hours</b></p>																										
County: SD					Route/Direction: 52/ EB										PM: 3.390											
SD					52/ WB										4.050											
Closure Description: EB 52 Connector to NB 805																										
WB 52 Connector to NB 805																										
FROM HOUR TO HOUR																										
	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays				C	C	C	C																			
Sundays				C	C	C	C	C	C															C	C	C
<p>Legend:</p> <p><input type="checkbox"/> C Connector may be closed completely</p> <p><input type="checkbox"/> Work permitted within project right of way where shoulder or lane closure is not required.</p>																										
<p>REMARKS:</p> <p>No other closure that conflicts with or shares any elements of the following detour will be permitted.</p> <p><b>Detour EB 52 Connector to NB 805</b>            Detour EB 52 Conn. to NB 805 via easterly on Rte. 52 to EB 52 Conn. to SB 805, thence southerly on Rte. 805 to SB 805 Off-ramp to EB Clairemont Mesa Blvd., thence easterly on Clairemont Mesa Blvd. to NB 805 On-ramp from Clairemont Mesa Blvd.</p> <p><b>Detour WB 52 Connector to NB 805</b>            Detour WB 52 Conn. TO NB 805 traffic via westerly on Rte. 52 to WB 52 Conn. to SB 805, thence southerly on Rte. 805 to SB 805 Off-ramp to EB Clairemont Mesa Blvd., thence easterly on Clairemont Mesa Blvd. to NB 805 On-ramp from Clairemont Mesa Blvd.</p> <p><b>NOTE:</b> Place a PCMS (Portable Changeable Message Sign) on EB 52 at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.</p> <p><b>NOTE:</b> Place a PCMS (Portable Changeable Message Sign) on WB 52 at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.</p>																										

**Chart No. 4  
Complete Ramp Closure Hours**

County/SD	Route/Direction: 805/ NB	PM: 24.275
SD	805/ NB	24.598
SD	805/ NB	25.126
SD	805/ NB	26.624
SD	805/ NB	27.010
SD	805/ SB	24.331
SD	805/ SB	24.664
SD	805/ SB	25.250
SD	805/ SB	26.954
SD	805/ SB	27.383

- Closure Limits: NB 805 Off-ramp to Governor Dr.  
 NB 805 On-ramp from Governor Dr.  
 NB 805 Off-ramp to Nobel Dr.  
 NB 805 Off-ramp to Mira Mesa Blvd.  
 NB 805 Off-ramp to Sorrento Valley Rd./ Mira Mesa Blvd.  
 SB 805 On-ramp from Governor Dr.  
 SB 805 Off-ramp to Governor Dr.  
 SB 805 On-ramp from Nobel Dr.  
 SB 805 On-ramp from Sorrento Valley Rd.  
 SB 805 Off-ramp to Sorrento Valley Rd./ Mira Mesa Blvd.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
Mondays through Thursdays	C	C	C	C	C																				C	C	C	
Fridays	C	C	C	C	C																							
Saturdays				C	C	C	C	C	C	C	C																	
Sundays				C	C	C	C	C	C	C	C															C	C	C

**Legend:**

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

[NOTE: When an Off-ramp is closed completely, place a PCMS \(Portable Changeable Message Sign\) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.](#)

**Chart No. 4R  
Complete Ramp Closure Hours**

County: SD	Route/Direction: 805/ NB	PM: 24.275
SD	805/ NB	24.598
SD	805/ NB	25.126
SD	805/ NB	26.624
SD	805/ NB	27.010
SD	805/ NB	27.285
SD	805/ SB	24.331
SD	805/ SB	24.664
SD	805/ SB	25.250
SD	805/ SB	26.954
SD	805/ SB	27.215
SD	805/ SB	27.383

Closure Limits: NB 805 Off-ramp to Governor Dr.

NB 805 On-ramp from Governor Dr.

NB 805 Off-ramp to Nobel Dr.

NB 805 Off-ramp to Mira Mesa Blvd./ Vista Sorrento Pkwy

NB 805 Off-ramp to Sorrento Valley Rd.

NB 805 On-ramp from Mira Mesa Blvd./ Vista Sorrento Pkwy

SB 805 On-ramp from Governor Dr.

SB 805 Off-ramp to Governor Dr.

SB 805 On-ramp from Nobel Dr.

SB 805 On-ramp from Sorrento Valley Rd.

SB 805 On-ramp from WB Mira Mesa Blvd.

SB 805 Off-ramp to Sorrento Valley Rd./ Mira Mesa Blvd.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
Mondays through Thursdays	C	C	C	C	C																				C	C	C	
Fridays	C	C	C	C	C																							
Saturdays				C	C	C	C	C	C	C	C																	
Sundays				C	C	C	C	C	C	C	C															C	C	C

**Legend:**

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

[NOTE: When an Off-ramp is closed completely, place a PCMS \(Portable Changeable Message Sign\) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.](#)

**Chart No. 5  
Freeway/Expressway Lane Requirements**

County: SD	Route/Direction: 805/ SB	PM: 28.37 – 23.65
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Closure Description: 0.07 Mi. N. of Sorrento Valley UC to Jct. Rte. 52

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	1	1	1	1	1																			2	1	1
Fridays	1	1	1	1	1																					
Saturdays				1	1	1	2	2																		
Sundays				1	1	1	1	1	2	2														2	2	1

**Legend:**

- 1 Provide at least one through freeway lane open in direction of travel
- 2 Provide at least two adjacent through freeway lanes open in direction of travel
- Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

**Chart No. 6  
Complete Connector Closure Hours**

County: SD	Route/Direction: 805/ SB	PM: 23.964
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Closure Description: SB 805 Connector to Rte. 52

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Mondays through Thursdays	C	C	C	C	C																				C	C	
Fridays	C	C	C	C	C																						
Saturdays				C	C	C	C																				
Sundays				C	C	C	C	C	C																C	C	C

Legend:

C	Connector may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No other closure that conflicts with or shares any elements of the following detour will be permitted.

**Detour SB 805 Conn. to Rte. 52**  
 Detour SB 805 Conn. to Rte. 52 traffic via southerly on Rte. 805 to SB 805 Off-ramp to Clairemont Mesa Blvd., thence easterly on Clairemont Mesa Blvd. to NB 805 On-ramp from Clairemont Mesa Blvd., thence northerly on Rte. 805 to NB 805 Conn. to Rte. 52.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on SB 805 at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

<b>Chart No. 7 Complete Connector Closure Hours</b>																										
County: SD	Route/Direction: 52/ WB												PM: 4.050													
Closure Description: WB 52 Connector to SB 805																										
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays				C	C	C	C	C	C	C	C															
Sundays				C	C	C	C	C	C	C	C													C	C	C
<b>Legend:</b>																										
<input type="checkbox"/> C	Connector may be closed completely																									
<input type="checkbox"/>	Work permitted within project right of way where shoulder or lane closure is not required.																									
<b>REMARKS:</b>																										
No other closure that conflicts with or shares any elements of the following detour will be permitted.																										
<b>Detour WB 52 Conn. to SB 805</b>																										
Detour WB 52 Conn. to SB 805 traffic via westerly on Rte. 52 to WB 52 Conn. to NB 805, thence northerly on Rte. 805 to NB 805 Off-ramp to Governor Dr., thence westerly on Governor Dr. to SB 805 On-ramp from Governor Dr.																										
<b>NOTE:</b> Place a PCMS (Portable Changeable Message Sign) on WB 52 at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.																										

**Chart No. 8  
Complete Ramp Closure Hours**

County: SD	Route/Direction: 805/ NB	PM: 25.639																								
SD	805/ NB	26.315																								
Closure Limits: NB 805 Off-ramp to Miramar Rd./ La Jolla Village Dr.																										
NB 805 On-ramp from Miramar Rd./ La Jolla Village Dr.																										
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays						C	C	C	C	C	C	C														
Sundays						C	C	C	C	C	C	C												C	C	C

**Legend:**  
 C Ramp may be closed completely  
 Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**  
 No closures will be allowed at the above location(s) from Dec. 14<sup>th</sup> at 1700 thru Dec. 25<sup>th</sup>  
[NOTE: When an Off-ramp is closed completely, place a PCMS \(Portable Changeable Message Sign\) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.](#)

**Chart No. 8R  
Complete Ramp Closure Hours**

County: SD	Route/Direction: 805/ NB	PM: 25.639
SD	805/ NB	26.106
SD	805/ NB	26.107
SD	805/ NB	26.315

Closure Limits: NB 805 Off-ramp to Miramar Rd./ La Jolla Village Dr.

NB 805 On-ramp from EB La Jolla Village Dr.

NB 805 On-ramp from WB Miramar Rd.

NB 805 On-ramp from Miramar Rd./ La Jolla Village Dr.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays				C	C	C	C	C	C	C	C															
Sundays				C	C	C	C	C	C	C	C													C	C	C

**Legend:**

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No closures will be allowed at the above location(s) from Dec. 14<sup>th</sup> at 1700 thru Dec. 31<sup>st</sup>.

[NOTE: When an Off-ramp is closed completely, place a PCMS \(Portable Changeable Message Sign\) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.](#)

**Chart No. 9  
Complete Ramp Closure Hours**

Count: 8D      Route/Direction: 805/ SB      PM: 25.570

Closure Limits: 805 On-ramp from La Jolla Village Dr./ Miramar Rd.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays		C	C	C	C	C																			C	C
Fridays		C	C	C	C	C																				
Saturdays				C	C	C	C	C	C	C	C	C														
Sundays					C	C	C	C	C	C	C													C	C	C

**Legend:**

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No closures will be allowed at the above location(s) from Dec. 14<sup>th</sup> at 1700 thru Dec. 25<sup>th</sup>.

SUPERSEDED BY Chart No. 9R

**Chart No. 9R  
Complete Ramp Closure Hours**

County: SD	Route/Direction: 805/ SB	PM: 25.570
SD	805/ SB	25.757
SD	805/ SB	25.758

Closure Limits: SB 805 On-ramp from La Jolla Village Dr./ Miramar Rd.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Mondays through Thursdays	C	C	C	C	C																				C	C	
Fridays	C	C	C	C	C																						
Saturdays				C	C	C	C	C	C	C	C																
Sundays				C	C	C	C	C	C	C	C														C	C	C

**Legend:**

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No closures will be allowed at the above location(s) from Dec. 14<sup>th</sup> at 1700 thru Dec. 31<sup>st</sup>.

**Chart No. 10  
Complete Ramp Closure Hours**

County: SD	Route/Direction: 805/ SB	PM: 26.228
SD	805/ SB	27.215

Closure Limits: SB 805 Off-ramp to Miramar Rd./ La Jolla Village Dr.

SB 805 On-ramp from WB Mira Mesa Blvd.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays			C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays				C	C	C	C	C	C	C																
Sundays				C	C	C	C	C	C	C														C	C	C

**Legend:**

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No closures will be allowed at the above location(s) from Dec. 14<sup>th</sup> at 1700 hr to Dec. 25<sup>th</sup>.

[NOTE: When an Off-ramp is closed completely, place a PCMS \(Portable Changeable Message Sign\) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.](#)

**Chart No. 10R  
Complete Ramp Closure Hours**

County: SD	Route/Direction: 805/ SB	PM: 26.228
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Closure Limits: SB 805 Off-ramp to Miramar Rd./ La Jolla Village Dr.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
Mondays through Thursdays	C	C	C	C	C																					C	C	C
Fridays	C	C	C	C	C																							
Saturdays				C	C	C	C	C	C	C																		
Sundays				C	C	C	C	C	C	C	C															C	C	C

**Legend:**

Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No closures will be allowed at the above location(s) from Dec. 14<sup>th</sup> at 1700 thru Dec. 31<sup>st</sup>.

[NOTE: When an Off-ramp is closed completely, place a PCMS \(Portable Changeable Message Sign\) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.](#)

**Chart No. 11  
Road Lane Requirement**

County: SD	Route/Direction: EB-WB Governor Dr.	PM:
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Closure Description: At Rte. 805

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	X	X	X	X	X																		X	X	X
Fridays	X	X	X	X	X																				
Saturdays				X	X	X	X																		
Sundays				X	X	X	X																X	X	X

Legend:  
 Street may be closed

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No other closure that conflicts with or shares any elements of the following detour will be permitted.

**Detour EB Governor Dr. at Rte. 805 Full Closure**

Detour EB Governor Dr. at Rte. 805 traffic via easterly on Governor Dr. to SB 805 On-ramp from Governor Dr., thence southerly on Rte. 805 to SB 805 Off-ramp to EB Clairemont Mesa Blvd., thence easterly on Clairemont Mesa Blvd. to NB 805 On-ramp from Clairemont Mesa Blvd., thence northerly on Rte. 805 to NB 805 Off-ramp to Governor Dr.

**Detour WB Governor Dr. at Rte. 805 Full Closure**

Detour WB Governor Dr. at Rte. 805 traffic via westerly on Governor Dr. to NB 805 On-ramp from Governor Dr., thence northerly on Rte. 805 to NB 805 Off-ramp to Nobel Dr., thence westerly on Nobel Dr. to SB 805 On-ramp from Nobel Dr., thence southerly on Rte. 805 to SB 805 Off-ramp to Governor Dr.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on EB Governor Dr. at a location at the discretion of Construction Field Personnel. – warning the public of the ramp closure / detour ahead.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on WB Governor Dr. at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

**Chart No. 12  
Road Lane Requirement**

County: SD	Route/Direction: EB-WB Mira Mesa Blvd.	PM:
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Closure Description: At Rte. 805

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	X	X	X	X	X																		X	X	X
Fridays	X	X	X	X	X																				
Saturdays																									
Sundays																							X	X	X

**Legend:**

Street may be closed

Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No other closure that conflicts with or shares any elements of the following detour will be permitted.

**Detour EB Mira Mesa Blvd. at Rte. 805 Full Closure**

Detour EB Mira Mesa Blvd. at Rte. 805 traffic via easterly on Mira Mesa Blvd. to SB 805 On-ramp from Mira Mesa Blvd., thence southerly on Rte. 805 to SB 805 Off-ramp to EB La Jolla Village Dr., thence easterly on La Jolla Village Dr. to NB 805 On-ramp from La Jolla Village Dr., thence northerly on Rte. 805 to NB 805 Off-ramp to Mira Mesa Blvd.

**Detour WB Mira Mesa Blvd. at Rte. 805 Full Closure**

Detour WB Mira Mesa Blvd. at Rte. 805 traffic via westerly on Mira Mesa Blvd. to NB 805 On-ramp from Mira Mesa Blvd., thence northerly on Rte. 805 to NB 805 Connector to the Local Bypass/ Jct. 56 East, thence northerly on the Local Bypass to NB 805 Local Bypass Off-ramp to Carmel Mountain Rd., thence westerly on Carmel Mountain Rd. to SB 5 On-ramp from Carmel Mountain Rd., thence southerly on Rte. 5 to SB 5 Connector to SB 805 Local Bypass, thence southerly on Rte. 805 Local Bypass to SB 805 Off-ramp to Mira Mesa Blvd.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on EB Mira Mesa Blvd. at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on WB Mira Mesa Blvd. at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

**Chart No. 13  
Road Lane Requirement**

County: SD	Route/Direction: SB Vista Sorrento Pkwy	PM:
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Closure Description: Directors Pl. to Mira Mesa Blvd

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	X	X	X	X	X																		X	X	X
Fridays	X	X	X	X	X																				
Saturdays				X	X	X	X	X	X	X	X														
Sundays				X	X	X	X	X	X	X	X												X	X	X

Legend:  
 Street may be closed

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

- No other closure that conflicts with or shares any elements of the following detour will be permitted.
- All side streets within the Post Mile limits of this closure may be closed.
- Allow Local Traffic only.

**Detour SB Vista Sorrento Pkwy. Full Closure**  
 Detour SB Vista Sorrento Pkwy traffic via southerly on Vista Sorrento Pkwy. to Lusk Blvd., thence easterly on Lusk Blvd. to Mira Mesa Blvd.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on SB Vista Sorrento Pkwy at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

**Chart No. 14  
Complete Freeway/Expressway Closure Hours**

County: SD	Route/Direction: 805/ NB	PM: 25.47 – 27.06
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Closure Description: Nobel Dr. OC to Mira Mesa Blvd. UC

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays																										
Sundays				C	C	C	C	C																C	C	C

**Legend:**

- Freeway or expressway may be closed completely.
- No complete freeway or expressway closure is permitted.

**REMARKS:**

- No other closure that conflicts with or shares any elements of the following detour will be permitted.
- This chart to be used for falsework, bridge construction and the installation of overhead signs.
- This chart to be used for maximum of (12) times.

**Detour NB 805 ML Full Closure at Nobel Dr. OC**

Detour NB 805 ML full closure traffic via northerly on Rte. 805 to NB 805 Connector to WB 52, thence westerly on Rte. 52 to WB 52 Connector to NB 5.

**NOTE:** Place PCMS (Portable Changeable Message Signs) on NB 805, EB 52 & WB 52 at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

**Chart No. 15  
Complete Freeway/Expressway Closure Hours**

County: SD	Route/Direction: 805/ SB	PM: 27.06 – 24.03
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Closure Description: Mira Mesa Blvd. UC to 0.40 Mi. S. of Governor Dr. UC

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays				C	C	C	C																			
Sundays				C	C	C	C	C	C															C	C	C

- Legend:**
- Freeway or expressway may be closed completely.
  - No complete freeway or expressway closure is permitted.

**REMARKS:**

- No other closure that conflicts with or shares any elements of the following detour will be permitted.
- Contractor to close SB 5 HOV lane due to the above full closure.
- This chart to be used for falsework, bridge construction and the installation of overhead signs.
- This chart to be used for maximum of (12) times.

**Detour SB 805 ML Full Closure at SB 5**  
 Detour SB 805 ML full closure traffic via southerly on Rte. 5 to SB 5 Connector to EB 52, thence easterly on Rte. 52 to EB 52 Connector to SB 805.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on SB 5 at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

**Chart No. 16  
Complete Connector Closure Hours**

County: SD	Route/Direction: 5/ SB	PM: R31.62
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Closure Description: SB 5 Local Bypass Connector to SB 805

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C																			C	C	C
Fridays	C	C	C	C	C																					
Saturdays				C	C	C	C	C	C	C																
Sundays				C	C	C	C	C	C	C	C													C	C	C

Legend:

C	Connector may be closed completely
	Work permitted within project right of way where shoulder or lane closure is not required.

**REMARKS:**

No other closure that conflicts with or shares any elements of the following detour will be permitted.

**Detour SB 5 Local Bypass Conn. to SB 805**  
 Detour SB 5 Local Bypass Conn. to SB 805 traffic via southerly on SB 5 Local Bypass to SB 5 mainlanes, thence southerly on SB 5 to SB 5 Connector to EB 52, thence easterly on Rte. 52 to EB 52 Connector to SB 805.

**NOTE:** Place a PCMS (Portable Changeable Message Sign) on SB 5 Local Bypass at a location at the discretion of Construction Field Personnel – warning the public of the ramp closure / detour ahead.

***Index of Reference Information Documents***

A “W” under available column indicates documents that can be found on the Internet, an “E” indicates the document will be provided electronically, and “CO” indicates the Contractor shall obtain the document. Web sites are not guaranteed but are supplied for information. It is ultimately the Contractor’s responsibility to locate the documents.

Title	Available
<b>EXISTING INFORMATION</b>	
Bridge_Log_Dist 11_Route 805.pdf	E
2001_02_02_Electrical_Service_Point_2T200DB.pdf – Maintenance Signal & Lighting Inventory Report showing a list of Electrical Service Points dated 2/2/2001	E
<b><u>As-Built Plans</u></b>	
11-045874.pdf -- 0.4 mile north of Route 163 to 0.6 mile north of Route 52 with connection to Route 52, PM 21.0/24.3, Year Complete: 1/25/1972	E
11-045884.pdf – 0.6 mile north of Route 52 to 0.1 mile north of Old Miramar Road, PM 24.2/26.7, Year Complete: 8/9/1971	E
11-045894.pdf – 0.1 mile north of Miramar Road to Route 5, PM 26.4/28.9 Year Complete: 10/12/1972	E
11-089714.pdf – 0.1 km south of Governor Drive Undercrossing to 0.8 km north of Rose Canyon Bridge Overhead, PM 24.2/25.5 Year Complete: 06/30/2003	E
57-0787 LR Soledad Canyon BOH asbuilt.pdf	E
57-0757S Soledad Canyon Offramp BOH asbuilt.pdf	E
57-0759_LR_governor bridge asbuilt.pdf	E
57-0760_LR_rose canyon BOH asbuilt.pdf	E
57-0761_la jolla village drive oc asbuilt.pdf	E
57-0762_eastgate mall road oc asbuilt.pdf	E

Title	Available
57-0785 LR_mira mesa blvd uc asbuilt.pdf	E
57-0786L_Sorrento valley blvd uc asbuilt.pdf	E
11-045894_rd.pdf – Added roadway plans to As-built plans posted previously	E
11-046164.pdf – As-built plans for project within the project limits	E
11-108484.pdf – As-built plans for project within the project limits	E
11-164434.pdf – As-built plans for project within the project limits	E
57-0785S_Mira Mesa_Blvd.pdf – Structures As-built plans for Mira Mesa Boulevard Undercrossing	E
<b><u>CAiCE and Survey Files</u></b>	
S0717ABC surface smaller.zip – existing DTM	E
805_Exist Align.kcm --- existing Route 805 alignments and Mira Mesa Off –Ramp (CAiCE format)	E
805 existing alignments– existing Route 805 main lane and ramps traverses	E
805_Proposed Align.kcm --- proposed ramp alignments (CAiCE format)	E
805 new alignments.pdf--- proposed ramp traverses	E
805_2T0404 Align_Metric.kcm --- contract 2T0404 ramps alignments (CAiCE Metric format)	E
2T0404 ramp alignments.pdf – contract 2T0404 ramps traverses	E
805_089754_Align_Metric.kcm --- contract 089754 ramps alignments (CAiCE Metric format)	E
089754 ramp alignments.pdf – contract 089754 ramps traverses	E
2t200db_110711.zip – Zipped file containing the CAiCE and Survey files in English units	E
2011_09_01_NEW_SDGE_Poles_at_Rose_Canyon.pdf – Survey information about the locations of 60 kV catenary lines & poles adjacent to columns at the Rose Canyon dated 9/1/2011	E

Title	Available
<b><u>Topography</u></b>	
E0501_E0512_2d.dgn --- Existing Topo from south of Clairemont Mesa Blvd to north of Governor Dr., PM 22.6 /24.9	E
E0513_E0520_2d.dgn --- Existing Topo from north of Governor Dr. to north of Eastgate Mall Blvd, PM 24.9/ 26.3	E
E0521_E0525_2d.dgn --- Existing Topo from north of Eastgate Mall Blvd to north of Mira Mesa Blvd, PM 26.3/ 27.1	E
E0525_E0533_2d.dgn --- Existing Topo from north of north Mira Mesa Blvd to north of Sorrento Valley Blvd, PM 27.1/28.3	E
Aerial Images.zip	E
Topography_CP.zip – Zipped folder containing Topography files containing other Control Points within the project limits	E
<b>PROJECT STUDIES AND REPORTS</b>	
2011_01_11_Final_Project_Report_link.pdf	E
I805N Final Environmental Document.pdf	E
2011_07_20 Signed MAR Approval Ltr I-805N.pdf	E
2011_07_26_structure_section_recommendation_2t2001.pdf	E
<b><u>Technical Reports</u></b>	
<b><u>ADL Study</u></b>	
2009_01_29_Aerially Deposited Lead Study Report.pdf	E
<b><u>Air Quality Report</u></b>	
2009_07_23_Final Air Quality Study.pdf	E
<b><u>Community Impact Report</u></b>	
2008_08_29_I-805 North.pdf	E

Title	Available
<b><u>CSMP</u></b>	
2009_08_04_Final_CSMP805_Comprehensive_Perf_Assessment.pdf	E
<b><u>Drainage Reports, Floodplain &amp; Hydraulics Studies</u></b>	
Carroll_Canyon_Floodplain_Study.pdf – Carroll Canyon Road Extension Floodplain Study, City of San Diego, dated July 2005.	E
I805_Carroll_Canyon_Onsite_Drainage_Report.pdf – Carroll Canyon Drainage Design & Calculations (EA 11-2T0401)	E
I805_ML_North_Offsite_Drainage_Report.pdf – I-805 Managed Lanes (North) Offsite Drainage Study (EA 11-081630)	E
I805N_ML_North_Location_Hydraulic_Study.pdf – I-805 Managed Lanes (North) Location Hydraulic Study (EA 11-081630)	E
IDF2000_Equations.pdf – I-805 Managed Lanes (North) IDF 2000 Equations (EA 11-081630)	E
<b><u>Foundation Loading and Deformation due to Liquefaction Induced Lateral Spreading</u></b>	
Guidelines on Foundation Loading-Feb 2011.pdf – Guidelines on Foundation Loading and Deformation Due to Liquefaction Induced Lateral Spreading	E
<b><u>Foundation Reports (FR) For Carroll Canyon Road Bridge</u></b>	
FR-Carroll-Canyon-Rd.zip – Zipped folder containing the following reports for the Carroll Canyon Road Bridge: <ul style="list-style-type: none"> <li>• Preliminary Seismic Report</li> <li>• Final Seismic Design Letter</li> <li>• Foundation Report dated 04-13-09</li> <li>• Revised Foundation Report - Bent 10 dated 06-23-11</li> </ul>	E

Title	Available
<b><u>Geotechnical Reports</u></b>	
2007_12_18_Structures_Preliminary_Geo.pdf	E
2008_03_28_District_Preliminary_Geotech.pdf	E
Carroll Canyon DAR BOH & RET walls PFR.pdf	E
Governor Drive UC 57-059RL PFR.pdf	E
Rose Canyon BOH 57-760RL PFR.pdf	E
Soledad Canyon BOH 57-787LR Widen PFR.pdf	E
PFR_Mira_Mesa_blvd_UC.pdf – Preliminary Foundation Report for the Mira Mesa Blvd UC (Br. No. 57-0785R)	E
I805_Design_Build_Information_Geotech_Info_1.zip – Zipped folder #1 containing additional Geotechnical Information	E
I805_Design_Build-Information_Geotech_Info_2.zip – Zipped folder #2 containing additional Geotechnical Information	E
<a href="#">Geotechnical-Geological-Report-for-Seismic-Retrofit-57-0787LR.pdf</a> – Foundation Reports prepared for seismic retrofit on the Soledad Canyon left & right bridges	E
<a href="#">Geotechnical-Geological-Report-for-Seismic-Retrofit-57-0787S.pdf</a> – Foundation Reports prepared for seismic retrofit on the Soledad Canyon ramp bridge	E
<b><u>Hazardous Waste ISA</u></b>	
2008_06_19 final isa.pdf	E
Limited Asbestos Survey Report.pdf	E
<b><u>NADR</u></b>	
2010_09_28_I-805_Final_NADR.pdf	E

Title	Available
<b><u>Natural Environmental Study</u></b>	
2008_10_30_Natural Env Study.doc	E
<b><u>Noise Studies</u></b>	
2003_03_17_I805 NSR Combined Figures.pdf	E
2008_05_13_805N Noise Analysis Final Report.pdf	E
2009_03_11_NSR addendum.pdf	E
2009_03_18_NSR addendum_tables.pdf	E
2010_09_27_Memo_Governor Dr_Noise.pdf	E
<b><u>Preliminary Seismic Design Recommendation (PSDR)</u></b>	
PSDR-Reports.zip – Zipped folder containing the following PSDR reports for: <ul style="list-style-type: none"> <li>• Governor Dr. UC</li> <li>• Rose Canyon Bridge &amp; OH</li> <li>• Soledad / Carroll Canyon Bridge &amp; OH</li> <li>• DAR Bridge over Carroll Canyon Road Bridge</li> <li>• Construction of DAR Retaining Walls</li> <li>• Mira Mesa Blvd UC</li> </ul>	E
<b><u>Seismic Evaluation Summary</u></b>	
<a href="#">Seismic-Evaluation-Rose-Canyon-Br-57-0785-Summary.pdf</a>	E
<a href="#">Seismic-Evaluation-Soledad-Canyon-Br-57-0787-Summary.pdf</a>	E

Title	Available
<b><u>SWDR</u></b>	
2010_01_29_805N Final SWDR PA&ED.pdf	E
11_089751_SWDR.pdf – SWDR for an adjacent project in PS&E phase	E
2009_07_09_I805_SWDR_Final_Attachment_A.pdf – SWDR Attachment A for the Supporting Calculations of Bioswales together with preliminary locations of impacted Bioswales near La Jolla Valley Drive (EA 11-081630)	E
<b><u>Traffic Reports</u></b>	
2009_03_Final 805 N Traffic Forecast Appdx.pdf	E
2009_03 Final 805 North Traffic Forecast Report.pdf	E
2009_05_12 Carroll Canyon and Nobel DAR loc.pdf	E
2009_11_03_Final I-805 N Traffic Operations.pdf	E
TI_Calculations.pdf – Traffic Index Calculations	E
<b><u>Visual Impact Assessment</u></b>	
2009_03_27_Final I805 VIA.pdf	E
<b><u>Water Quality</u></b>	
2009_10 805 North WQ Report.pdf	E
<b>ONGOING CONTRACTS</b>	
<b><u>11-089754 contract plan</u></b> --- La Jolla Village Drive Interchange (Metric) <a href="http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/11/11-089754/">http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/11/11-089754/</a>	W

Title	Available
<b>11-2T0404 contract plan</b> --- Carroll Canyon North DAR (Metric) <a href="http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/11/11-2T0404/">http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/11/11-2T0404/</a>	W
Hinge Design Memo_06-28-11.pdf	E
Hinge CCO Plans_6-28-11.pdf	E
<b>CONCEPTUAL PLANS</b>	
Project Feature Map.pdf	E
11-2T2004-Conceptual-Plans.pdf	E
b2T200AA1.dgn – Updated Microstation master file with ESA areas (Provided to Proposers)	E
alt5.dgn – Microstation file with ultimate design reflecting all the planning phases (Provided to Proposers)	E
alt5_update_112811.dgn – Updated Microstation file alt5.dgn for ultimate design with final striping (Provided to Proposers)	E
b2T200aa1_update_112811.dgn – Updated Microstation file b2T200aa1.dgn with wall limits on west side, north of Sorrento Valley Bridge, soundwall near Governor Drive and the ultimate typical width of Carroll Canyon DAR & BOH (Provided to Proposers)	E
b2t200ca002.pdf – Additional Typical Cross Sections Sheet, X-2 (Provided to Proposers)	E
<b>Bridge Site</b>	
57_0760RL_Rose_Cyn_Bridge.zip --- Bridge Site Submittal for Rose Canyon BOH (Provided to Proposers)	E
57_0787_Carroll Canyon_Bridge.zip --- Bridge Site Submittal for Carroll Canyon BOH (Provided to Proposers)	E
57_DAR2 Carroll Canyon DAR.zip --- Bridge Site Submittal for Carroll Canyon DAR (Provided to Proposers)	E
57_0759 Governor Drive Bridge.zip --- Bridge Site Submittal for Governor Drive Bridge (Provided to Proposers)	E