

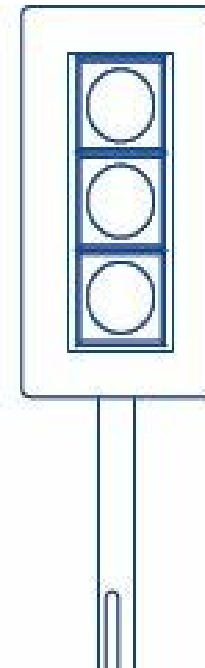
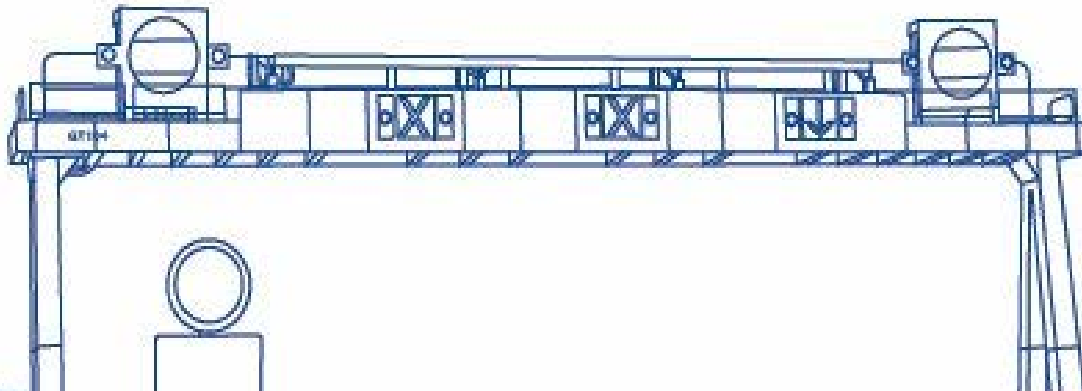


Caltrans PO- 2660-0712000618-1 Dynamic Corridor Ramp Metering System (DCRMS) Project – Kickoff Meeting



September 27, 2012

In association with
ASTART  SYNERGISTICS

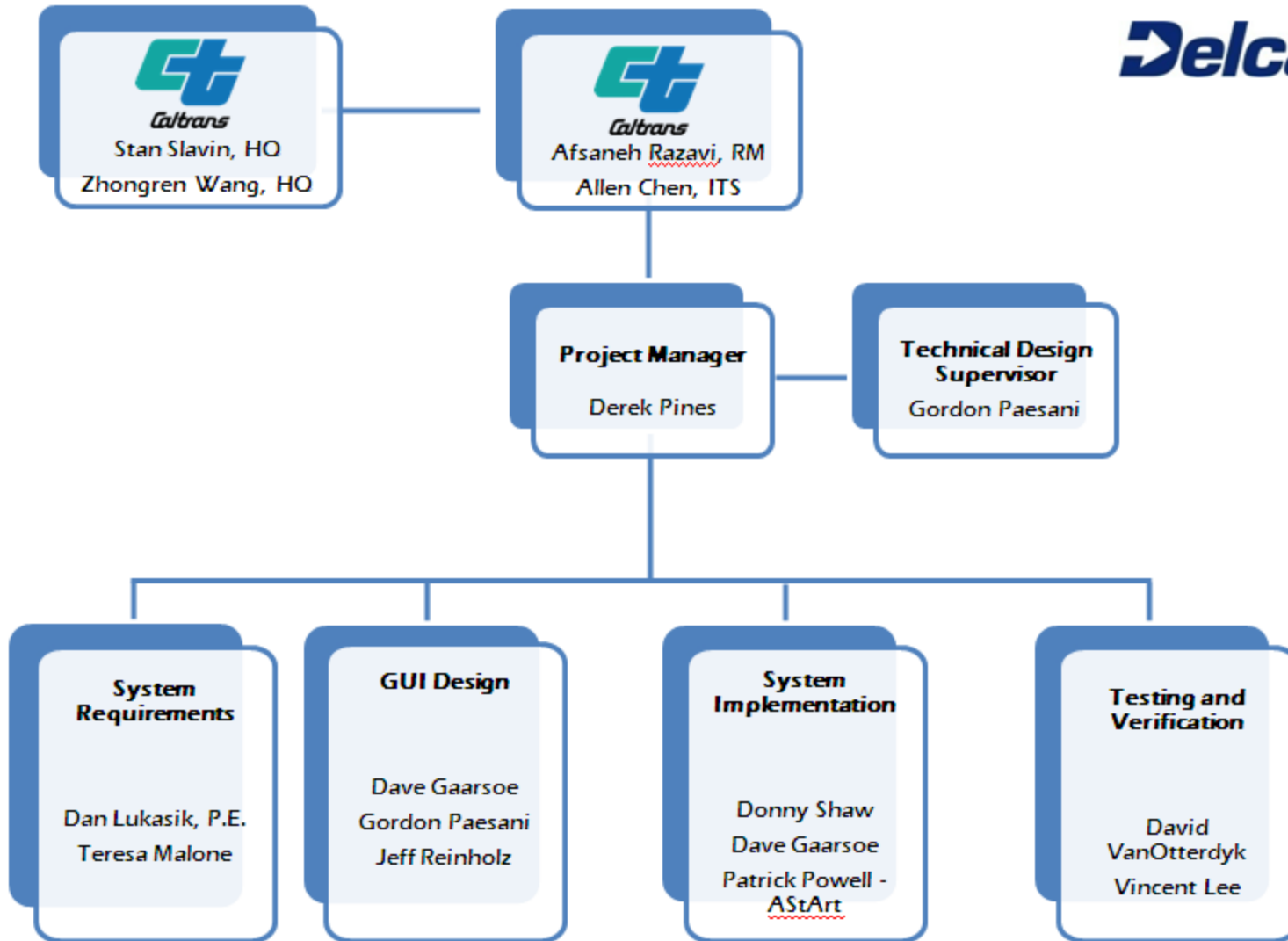


Meeting Overview

- Project Team Composition
- Project Overview
- Work Plan Review
- Administrative Items
- Next 30 Days Look Ahead



Project Team Organizational Chart



Project Overview

- Develop framework for integrating Traffic Signal Data into Ramp Metering decision making process
- Identify Dynamic Corridor Traffic Signal interface components that will be used as part of the enhanced ATMS central ramp metering system
- Combine Traffic Signal data inventory and detection display within ATMS central ramp metering system implementation

DCRMS Work Plan Review

Task 1 Project Management

- Approach
 - Coordinate scope, budget and schedule with Caltrans
 - Manage all aspects of the project
 - Provide monthly status updates
- Deliverables
 - Monthly Status Reports
 - Meeting Agenda and Minutes
 - Updated project schedule

DCRMS Work Plan Review

Task 2 - System Requirements Verification

- Approach
 - Develop clear concise system requirements
 - Track the origination of all requirements from design through test
 - Develop functional, performance and data requirements
- Deliverables
 - Draft Functional, Performance and Data Requirements Document
 - Final Functional, Performance and Data Requirements Document

DCRMS Work Plan Review

Task 3 – Graphical User Interface Design

- Approach
 - Develop sample mockup screens that incorporate the display of traffic signal data and ramp metering information
 - Identify and map GUI requirements to specific sample screens
 - Present new GUI screens to Caltrans via GUI Draft document
- Deliverables
 - Draft GUI Design Document
 - Final GUI Design Document

DCRMS Work Plan Review

Task 4 – System Implementation

- Approach
 - Based on the requirements develop enhancements to the ATMS to support integration of Traffic Signal data into ATMS for display and ramp metering decision making
 - Perform software development with unit level testing, regression testing, and system integration testing
 - Develop the C2C Interface Control document for the integration of external Traffic Signal Data
- Deliverables
 - C2C Interface Control Document (Draft, Final)
 - DCRMS source code



DCRMS Work Plan Review

Task 5 – System Testing

- Approach
 - Delcan will generate a detailed DCRMS Acceptance Test Plan to take into account subsystems, hardware, software, and communications components.
 - Test plans and procedures will be prepared using the following steps:
 - a review of requirements
 - development of the verification methodology
 - development and assignment of test cases
 - development of the test scenarios for each test case
 - development of detailed procedures of each test case.
- Deliverables
 - System Test Plan and Procedures (Draft, Final)
 - System Test Report



Project Schedule Overview

- Task 2 System Requirements 11/30/12
- Task 3 GUI Design Document 12/21/12
- Task 4 System Implementation 6/29/13
- Task 5 System Testing 8/31/13

Note: Detailed Schedule to be provided at 1st
Monthly Status meeting.



Administrative Items

- **Monthly Status Meetings**
 - Propose 3rd Wednesday of the Month (Next: October 17th)
- **Format of Status Reports**
 - Work Completed this month
 - Key Milestone Dates
 - Issue Log
 - Work planned for next month
 - Updated Project Schedule
- **Deliverable Approval/Invoicing**
 - CMAS contract



Next 30 Day Look Ahead

- Investigate Traffic Signal Data formats and standards
- Initiate System Requirement Draft Document