

May 21, 2010

Daren Gilbert, Supervisor
Rail Crossings Engineering Section
California Public Utilities Commission
515 "L" Street, Suite 1119
Sacramento, CA 95814



**Subject: Orange County Grade Crossing Safety Improvement Program Project, Cerritos Avenue
City of Anaheim, Orange Subdivision Public Highway-Rail
At-Grade Crossing Modifications General Order 88-B Application, Revision 1**

Dear Mr. Gilbert:

Southern California Regional Rail Authority (SCRRA) requests permission from the California Public Utilities Commission (CPUC) to amend the authorization of July 20, 2009, file number G.09-06-031, as described in the attached revised application.

The revised crossing will combine the SCRRA double track mainline crossing (101OR-169.70) with the UPRR single track crossing (001BM512.75-C) as recommended per Part 3.1.11 of AREMA Communications and Signals Manual of Recommended Practices. This Manual Part provides that when adjacent tracks are separated less than 100 feet, to flash all lights and lower both gates with activation on either track.

As required by CPUC General Order No. 88-B, "Rules for Altering Public Highway-Rail Crossings", we submit the following application and revision 1 as part of your review and approval process. If any additional design modifications arise, updates will be submitted to the CPUC.

Please feel free to contact me by email at Doranw@scrra.net or by phone at (213) 452-0219 for any question or concern.

Sincerely,

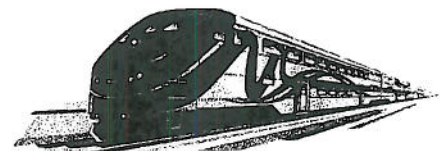
William Doran
Manager, Rail Corridor C&E
SCRRA / Metrolink

Attachments

cc:

Maria Cardenas
Rail Crossings Engineering Section
California Public Utilities Commission
515 "L" Street, Suite 1119
Sacramento, CA 95814

Jose Pereyra
Rail Crossings Engineering Section
California Public Utilities Commission
320 West 4th Street, Suite 500
Los Angeles, CA 90013



Harry C. Steelman

Division Engineer – West
Amtrak Engineering
810 N. Alameda Street, 3rd Floor
Los Angeles, CA 90012

Dinah Minter

Orange County Transportation Authority
550 S. Main Street
P.O. Box 14184
Orange, CA 92863-1584

Maryam Mojabi

SCRRA / Metrolink
700 South Flower Street, 26th Floor
Los Angeles, CA 90017-4101

Melvin Thomas

Manager of Public Projects
BNSF Railway
740 E. Carnegie Drive
San Bernardino, CA 92408

Freddy Cheung

Mgr Special Projects Industry & Public
Union Pacific Railroad
2015 S. Willow Avenue
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Director of Public Works
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Anaheim, CA 92805

Morteza Ghandehari

Vice President
J.L. Patterson & Associates
725 Town & Country Road, Suite 300
Orange, CA 92868

PUBLIC UTILITIES COMMISSION

515 L Street, Suite 1119
Sacramento, CA 95814



July 20, 2009

File Number: G.09-06-031
Orange Subdivision – Cerritos Avenue
City of Anaheim, County of Orange

Ron Mathieu
Manager, Rail Corridor C&E
SCRRA/Metrolink
700 South Flower Street, 26th Floor
Los Angeles, CA 90017-4101

Re: General Order 88-B Request for Authority to alter and modify the At-Grade Crossing of Southern California Regional Rail Authority / Metrolink Orange Subdivision tracks and Cerritos Avenue in the City of Anaheim, County of Orange

Dear Mr. Mathieu:

This refers to your letter, dated May 28, 2009 (received June 9, 2009) requesting authorization, pursuant to California Public Utilities Commission (CPUC) General Order (GO) 88-B, to alter the existing at-grade crossing of Southern California Regional Rail Authority / Metrolink (SCRRA/Metrolink) Orange Subdivision tracks and Cerritos Avenue CPUC Crossing Number 101OR-169.70 and DOT Number 026651M) in the City of Anaheim (City), County of Orange.

Cerritos Avenue is an East-West roadway that intersects the SCRRA/Metrolink tracks west of State College Blvd. There are two mainline tracks through this crossing. Additionally, there is a single track Union Pacific Railroad (UPRR) crossing immediately adjacent to and east of the Metrolink crossing, with separate warning devices. The proposed alterations to the Cerritos Avenue crossings, as indicated in the request letter and/or shown on the plans shall consist of:

- Installation of pedestrian treatments, including automatic pedestrian gates and emergency exit swing gates, detectable warning strips, handrails and fencing on all sidewalk approaches;
- Installation of new concrete medians
 - West median – Length: 100-ft, Width: 9-ft, Height: 8-in;
 - Middle median (between the Metrolink and UPRR crossings) – Length: 61-ft, Width: 9-ft, Height: 8-in;
 - East median – Length: 100-ft, Width: 9-ft, Height: 8-in;
- Upgrade Track 2 (South) surface to concrete crossing panels;
- Close existing driveway located on the north side between the two crossings;
- Installation of new, minimum 5-ft wide sidewalk;
- Installation of 4-in travel lane and edge lines over tracks and through the crossing;

- Pavement markings and signage and in compliance with CA MUTCD.

Staff has investigated the request by SCRRA/Metrolink and finds it adequately addresses compliance and safety. As SCRRA/Metrolink, the City and the Orange County Transportation Authority (OCTA) are in agreement to the design and apportionments of the cost under the provisions of GO 88-B, alterations as described in SCRRA/Metrolink's submittal dated May 28, 2009 (received June 9, 2009) and summarized above, are authorized. All parties shall comply with all applicable rules, including the CA MUTCD and Commission General Orders.

This project is categorically exempt from the requirements of the California Environment Quality Act of 1970, as amended. [California Public Resources Code 21084]

This authorization shall expire if the above conditions are not complied with or if the work is not completed within two years of the date of this letter. Upon written request to this office, the time to complete the project may be extended. Any written request for a time extension must include concurrence letters by all involved parties in support of the time extension. If an extension is requested, the Commission's Rail Crossings Engineering Section (RCES) may reevaluate the crossing prior to granting an extension.

Within 30 days after completion of this project, SCRRA/Metrolink shall notify RCES that the authorized work is completed, by submitting a completed Commission Standard Form G titled *Report of Changes at Highway Grade Crossings and Separations*. Form G requirements and forms can be obtained at the CPUC website Form G page at <http://www.cpuc.ca.gov/formg>. This report may be submitted electronically to rces@cpuc.ca.gov as outlined on the web page.

If you have any questions, please contact Brian Leung at (213) 620-2581 or via email at bd1@cpuc.ca.gov.

Sincerely,



Daren Gilbert, Supervisor
Rail Crossings Engineering Section
Consumer Protection and Safety Division

C: Harry C. Steelman
Division Engineer - West
Amtrak Engineering
810 North Alameda Street, 3rd Floor
Los Angeles, CA 90012

Natalie Meeks
Director of Public Works
City of Anaheim
200 S. Anaheim Blvd, 2nd Floor
Anaheim, CA 92805



SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

May 28, 2009

File: G0000741

Daren Gilbert, Supervisor
Rail Crossings Engineering Section
California Public Utilities Commission
515 "L" Street, Suite 1119
Sacramento, CA 95814

Subject: Orange County Grade Crossing Safety Improvement Program Project, City of Anaheim, Orange Subdivision Public Highway-Rail At-Grade Crossing Modifications General Order 88-B Application

Dear Mr. Gilbert:

Southern California Regional Rail Authority (SCRRA) respectfully requests authorization from the California Public Utilities Commission (CPUC) to improve and modify ten at-grade highway rail crossings (Orangethorpe Avenue, La Palma Avenue (w/ of East Street), Sycamore Street, East Broadway, Santa Ana Street, South Street, Vermont Avenue, Ball Road, Cerritos Avenue, and State College Boulevard) of the Orange Subdivision in the City of Anaheim and County of Orange, California.

Pursuant to Mr. Daren Gilbert's letter of March 6, 2009, attached are the General Order 88-B Application, Vicinity Map - Exhibit A, and CPUC - Exhibit B for your use. Please note the following safety improvements apply to all grade crossings unless otherwise specified in section 4 of the specific grade crossing application:

- Pedestrian safety improvements include self-closing emergency swing gates (3'-9"W x 3'-6"H), automatic pedestrian gates (width varies from 5 ft. to 8 ft.), ADA truncated domes (2 ft. wide), all specified steel tube hand railing shall be 3'-6" high, 12" white striping at crosswalks, new sidewalks (varies 5 ft. min.), new AC pavement, and new concrete crossing panels, applies to all quadrants unless otherwise specified.
- New concrete medians will be 9 ft. wide and 8" high with specified length on the exhibits. All raised median surfaces facing the tracks will be squared-off. All medians have a clearance of 10 ft. from the closest track centerline.
- 4" double yellow striping (travel lane line over tracks between medians).
- All welded wire mesh fence specified in the exhibits are 4 ft. high.
- CA MUTCD signs installed include W10-1 and W48 (CA) curb mounted, R4-7 and Type N median, mounted and R8-8 both curb and median mounted where applicable.

If design modifications arise, updates will be submitted to the CPUC.

As required by CPUC General Order No. 88-B, "Rules for Altering Public Highway-Rail Crossings", we submit the following application as part of your review and approval process.

If there are any questions, I may be reached at (213) 452-0249.

Sincerely,

Ron Mathieu
Manager, Rail Corridor C&E
SCRRA / Metrolink

Attachments:
Cc:

Maria Cardenas
Rail Crossings Engineering Section
California Public Utilities Commission
515 "L" Street, Suite 1119
Sacramento, CA 95814

Brian Leung
Rail Crossings Engineering Section
California Public Utilities Commission
320 West 4th Street, Suite 500
Los Angeles, CA 90013

Harry C. Steelman
Division Engineer – West
Amtrak Engineering
810 N. Alameda Street, 3rd Floor
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Dinah Minter
Orange County Transportation Authority
550 S. Main Street
P.O. Box 14184
Orange, CA 92863-1584

Maryam Mojabi
SCRRA / Metrolnk
700 South Flower Street, 26th Floor
Los Angeles, CA 90017-4101

Melvin Thomas
Manager of Public Projects
BNSF Railway
740 E. Carnegie Drive
San Bernardino, CA 92408

Dan J. Miller
Mgr Special Projects Industry & Public
Union Pacific Railroad
2015 S. Willow Avenue
Bloomington, CA 92316

Natalie Meeks
Director of Public Works
City of Anaheim
200 S. Anaheim Blvd, 2nd Floor
Anaheim, CA 92805

Morteza Ghandehari
Senior Project Manager
J.L. Patterson & Associates
725 Town & Country Road, Suite 300
Orange, CA 92868

James Faber
Vice President
Lan Engineering
20 Empire Drive
Lake Forest, CA 92630

**REQUEST TO CPUC STAFF FOR AUTHORIZATION TO
ALTER HIGHWAY-RAIL CROSSING
PURSUANT TO GENERAL ORDER 88-B**



REV 1 | 1. Date Submitted: May 28, 2009 – December 02, 2009 Revision

2. Applicant Info

Organization Name:	Southern California Regional Rail Authority (SCRRA)
Contact Person:	William Doran
Title:	Manager, Rail Corridor C&E
Street Address:	700 S. Flower Street, Suite 2600
City:	Los Angeles, CA
Zip:	90017-4101
Phone:	(213) 452-0249
Email:	Doranw@scrra.net

3. Crossing proposed to be altered

PUC Crossing Number:	SCRRA 101OR-169.70 UPRR BM-512.75C
U.S. DOT Crossing Number:	SCRRA 026651M UPRR 761629A
Street Name:	Cerritos Avenue
City:	Anaheim
County:	Orange
Railroad Responsible for Crossing:	Southern California Regional Rail Authority (SCRRA)
Other Railroads Operating on Tracks:	Amtrak, BNSF Railway and Union Pacific Railroad

4. Describe Proposed Alterations (including any temporary reduced clearance variance requests):

The alteration and modification of the at-grade crossing listed above will be part of a larger project consisting of numerous at-grade crossings, which are part of the Orange County Grade Crossing Safety Improvement Project. This project is funded by OCTA to enhance and improve safety at all at-grade crossings in Orange County.

Cerritos Avenue (Existing): Consists of two CPUC Standard 9 curbside gates on the approaches (northeast and southwest quadrants) and two CPUC Standard 9 gates in the median islands. There are two main tracks through the grade crossing with the crossing surface composed of one rubber and one concrete panel. In addition to the two main tracks there is a third track for Union Pacific Railroad (UPRR). The active warning devices for the UPRR line consists CPUC Standard 9-A curbside gates on the northeast

and southwest quadrants and median islands. The crossing surface for the third track consists of rubber panels.

Cerritos Avenue (Proposed):

A. Improvements Consistent w/Diagnostic Meeting Minutes of July 2006

- For Pedestrian Treatments, Medians, Handrails, Fencing and Signage unless otherwise specified below see cover letter.
- Install New Concrete Median Westside - 100 ft.
- Install New Concrete Median in the Middle - 61 ft.
- Install New Concrete Median Eastside - 100 ft.
- Upgrade track 2 (southbound) existing rubber panels to concrete panels.
- Close existing driveway north side.
- New sidewalk 5 ft. min.

REV 1

B. Improvements consistent w/Diagnostic Meeting of December 02, 2009 ←

- Remove the three Standard 9's between the two crossings. (One Standard 9 has an overhead cantilever.)
- Upgrade UPRR westbound Standard 9 gate mechanism and include LED back flashers and LED's on the gate arm. The westbound UPRR cantilever will be upgraded with LED flashers.
- New UPRR signal will replace existing UPRR signal house.
- Upgrade crossing equipment with LED flashers, 3-track signs (R15-2) and other MUTCD compliant signage.
- Install ADA detectible warning strip for pedestrians approaching UPRR track.

All railroad advance warning signs and pavement markings will be placed on the approaches in advance of the crossing in accordance with California Public Utilities Commission (CPUC) General Orders and the CA MUTCD.

5. Describe the public benefits to be achieved by the proposed alterations:

The public will benefit from the proposed project by providing motor vehicles and pedestrians clear direction on the limits of the crossing as well as additional safety enhancements for them.

The Operating Railroads, will also benefit from the modifications/enhancements by reducing the potential pedestrian and motor vehicle incidents with train, increasing ridership, providing on time performance, increasing reliability, shortening train headways and ultimately providing greater service to the general public.

6. Explain why a separation of grades is not practicable:

The Grade Crossing Safety Enhancement Program does not change the intended use of the crossing. In addition, the geometry and the surrounding area, proximity of local businesses/facilities does not warrant a practicable solution.

7. Not used - See No. 4.

8. Temporary Traffic Controls - Include a statement of temporary traffic controls to be provided during construction:

The temporary traffic controls will meet the requirements of the CA MUTCD and the Work Area Traffic Control Handbook (WATCH) 10th edition, published by Southern California

Chapter of the American Public Works Association and SCRRA Temporary Traffic Control Guidelines.

9. Signature

I, William Doran, am an employee of Southern California Regional Rail Authority (SCRRA) and authorized to sign this GO 88-B authorization request letter on its behalf.

William Doran, Manager, Rail Corridor C&E
Typed Name and Title

William Doran 5/25/10
Signature and Date

Attachments:

1. Exhibit A - Map of Immediate Vicinity on a scale of 50 to 200 ft/inch.
2. Exhibit B - Crossing Safety Enhancements.

10. Evidence of Agreement:

I, Harry C. Steelman, am an employee of Amtrak and authorized to sign this letter of agreement on its behalf, and hereby declare that Amtrak concurs with the proposed project described above.

Harry C. Steelman, Division Engineer – West
Amtrak Engineering

Typed Name and Title

 02-12-10

Signature and Date

Amtrak Transportation
810 N. Alameda Street, 3rd Floor
Los Angeles, CA 90012

Address

I, Natalie Meeks, am an employee of City of Anaheim and authorized to sign this letter of agreement on its behalf, and hereby declare that City of Anaheim concurs with the proposed project described above.

Natalie Meeks
Director of Public Works
Typed Name and Title

 2-12-10
Signature and Date

City of Anaheim
200 S. Anaheim Blvd, 2nd Floor
Anaheim, CA 92805
Address

I, Melvin Thomas, am an employee of BNSF Company and am authorized to sign this letter of agreement on its behalf, and hereby declare that BNSF Company concurs with the proposed project described above.

Melvin Thomas
Manager of Public Projects

Typed Name and Title



Signature and Date


4/18/2010

BNSF Railway
740 E. Carnegie Drive
San Bernardino, CA 92408

Address

I, Freddy Cheung, am an employee of Union Pacific Railroad and am authorized to sign this letter of agreement on its behalf, and hereby declare that Union Pacific Railroad concurs with the proposed project described above.

Freddy Cheung
Senior Manager, Special Projects
Typed Name and Title

 3/3/2010
Signature and Date

Union Pacific Railroad
19100 Slover Avenue
Bloomington, CA 92316
Address

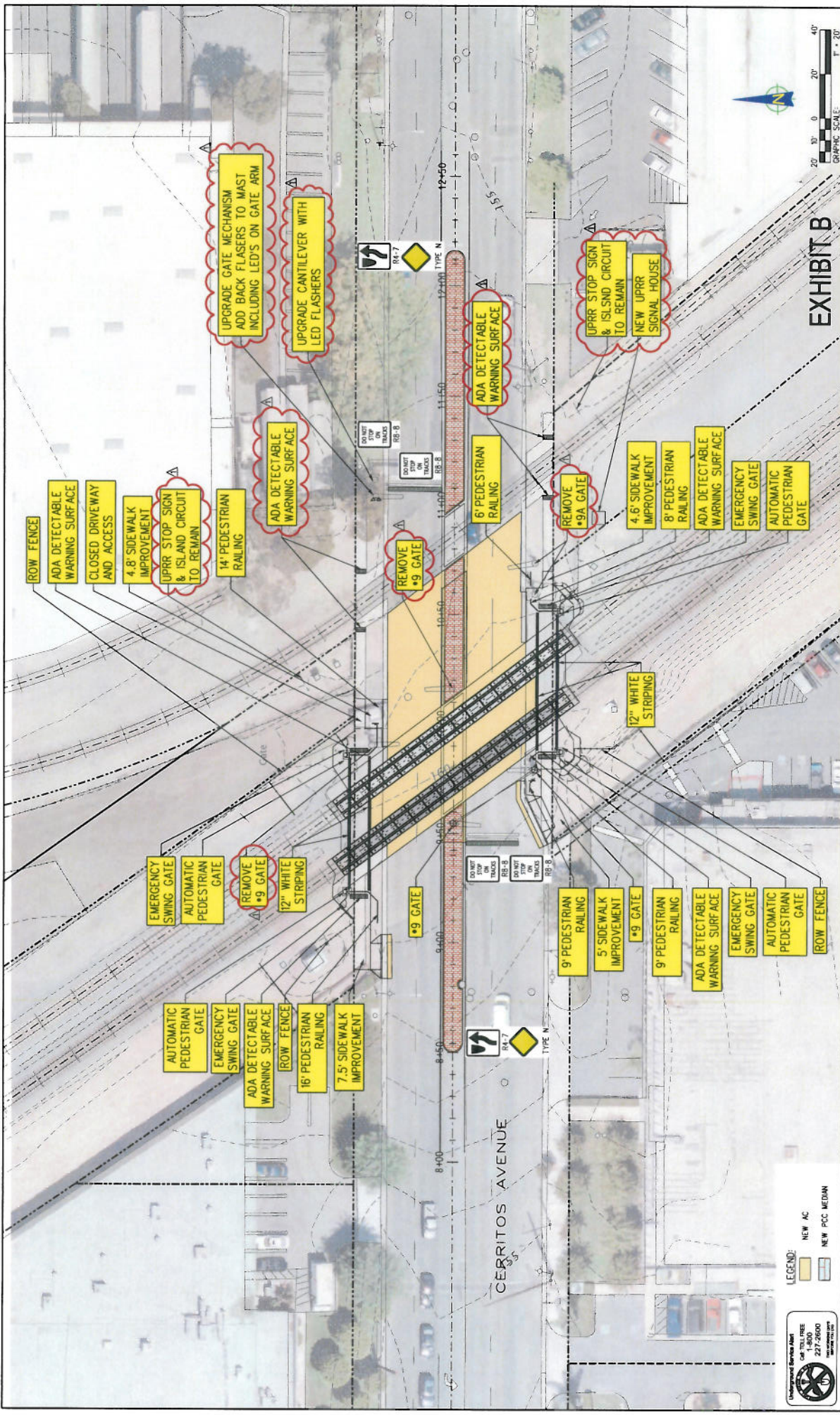


EXHIBIT B

ORANGE COUNTY GRADE CROSSING SAFETY IMPROVEMENT PROGRAM
 CPUC EXHIBIT - CERRITOS AVENUE
 SCRR# (DOT)02665(M); (CPUC)1010R-169.7
 UPRR (DOT)761629A; (CPUC)BM-512.75C

CITY OF ANAHEIM
 PUBLIC WORKS DEPARTMENT

DATE	NO.	DESCRIPTION

DESIGNED BY	DATE
CHECKED BY	
APPROVED BY	

PITTERSON & ASSOCIATES, INC.
 CIVIL ENGINEERS
 725 TOWN & COUNTRY ROAD - SUITE 300
 ORANGE, CA 92668

C3101-09

NO.	DATE	DESCRIPTION

REVISIONS



11252-002054-V10

Morning Overnite -- A

Zone:1100

Bill To:11252 **Date:** 5/25/2010

From:Norm Baron

J.L. Patterson & Associates, Inc,
725 Town & Country Road
Ste:300
Orange , CA 92868
7148356355



Billing Reference:

To:Daren Gilbert

California Public Utilities Commission
515 L Street
Ste:1119
Sacramento , CA 95814
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