Chaffey Joint Union High School District

211 West Fifth Street, Ontario, California 91762-1698 • (909) 988-8511 • FAX (909) 984-1164

December 2, 2008

Josephine Alido, AICP
David Evan and Associates, Inc.
4200 Concours, Suite 200
Ontario, CA 91764

Regarding: Request for Information Regarding
Guasti Plaza Specific Plan Amendment

Dear Ms. Alido:

I received your letter requesting information regarding the Chaffey Joint Union High School District facilities in the area of the above-referenced project. Your projects lies within the attendance boundaries for Colony High School located at 3850 East Riverside Drive, Ontario, CA 91761. The present enrollment for this school is approximately 2,313. This school is presently not overcrowded.

The follow questions addressed are as follows:

- Student Generation Rates -
  - Please see attached information.
- Developer Fee -
  - We currently required a fee of $1.42 a square foot for residential additions over 500 square feet; commercial rate is $.15 a square foot for any new or additions to commercial building.
- The long-term impact associated with the school services due to anticipated development within the project area is-
  - The impact of New Model Colony when fully developed will have more students than Colony can currently accommodate.
- A CFD for the District-
  - There is no CFD.

Please find enclosed a District Boundary Map, Developer Fee Schedule, and Student Generation Rates.

If you have any additional questions, please feel free to contact me.

Sincerely,

Georgann Harmon

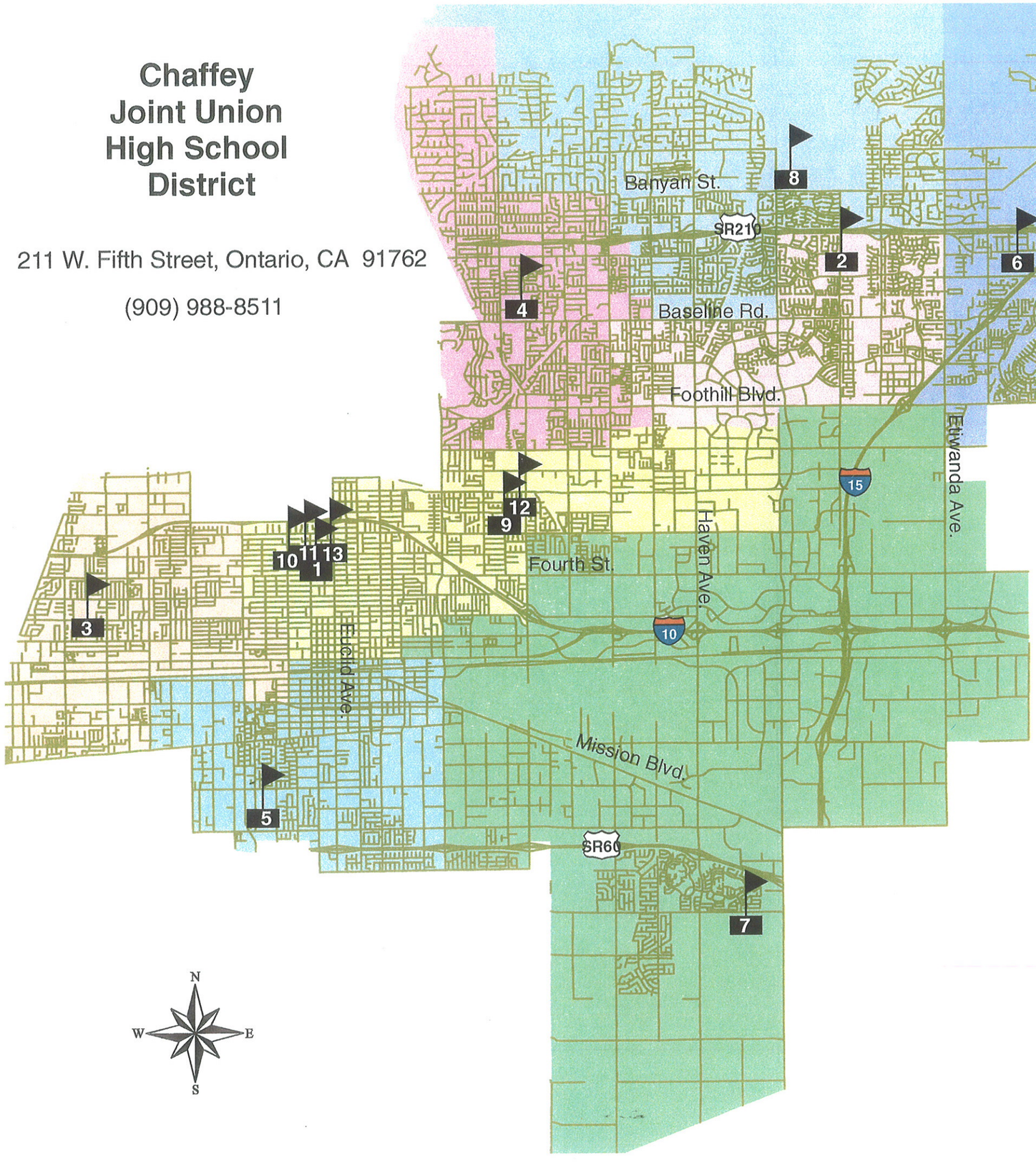
Georgann Harmon
Operations and Planning

Enclosure

Chaffey Joint Union High School District

211 W. Fifth Street, Ontario, CA 91762

(909) 988-8511



1. Chaffey High School
1245 N. Euclid Ave., Ontario, CA 91762
(909) 988-5560

2. Rancho Cucamonga High School
11801 Lark Dr., Rancho Cucamonga, CA 91701
(909) 989-1600

3. Montclair High School
4725 Benito St., Montclair, CA 91763
(909) 621-6781

4. Alta Loma High School
8880 Baseline Rd., Alta Loma, CA 91701
(909) 989-5511

5. Ontario High School
901 W. Francis St., Ontario, CA 91762
(909) 988-7411

6. Etiwanda High School
13500 Victoria Ave., Etiwanda, CA 91739
(909) 899-2531

7. Colony High School
3850 E. Riverside Dr., Ontario, CA 91761
(909) 930-2929

8. Los Osos High School
6001 Milliken Ave., Rancho Cucamonga, CA 91737
(909) 477-6900

9. Valley View High School
1801 E. Sixth St., Ontario, CA 91764
(909) 985-0966

10. Canyon View High School
557 W. Fifth S., Ontario, CA 91762
(909) 983-7102

11. Chaffey Adult School
211 W. Fifth St., Ontario, CA 91761
(909) 983-2010

12. Alternative Education Center
1802 E. 7th St., Ontario, CA 91764

13. Administrative Offices
211 W. Fifth St., Ontario, CA 91762
(909) 988-8511

Chaffey Joint Union High School District

West Fifth Street, Ontario California 91762
(909) 988-8511

Developer Fee Schedule

(Effective March 19, 2008)

Chaffey Joint Union High School District will process the Certificate of Compliance forms in the Operations and Planning Department during regular District office hours:
Monday thru Friday 7:30 - 4:00

City of Rancho Cucamonga:

Regular Residential (single-family homes, apartments, condominiums, room additions, etc.)	$1.42 per sq. ft.
Commercial/Industrial (Including office, retail, self-storage, parking structures, etc.)	$ .15 per sq. ft.

City of Ontario:

Regular Residential (single-family homes, apartments, condominiums, room additions, etc.)	$1.42 per sq. ft.
Commercial/Industrial (Including office, retail, self-storage, parking structures, etc.)	$ .15 per sq. ft.

City of Montclair:

Regular Residential (single-family homes, apartments, condominiums, room additions, etc.)	$1.42 per sq. ft.
Commercial/Industrial (Including office, retail, self-storage, parking structures, etc.)	$ .15 per sq. ft.

City of Fontana:

Regular Residential (single-family homes, apartments, condominiums, room additions, etc.)	$1.42 per sq. ft.
Commercial/Industrial (Including office, retail, self-storage, parking structures, etc.)	$ .15 per sq. ft.

All County of San Bernardino and Los Angeles Areas within the Chaffey District:

Regular Residential (single-family homes, apartments, condominiums, room additions, etc.)	$1.42 per sq. ft.
Commercial/Industrial (Including office, retail, self-storage, parking structures, etc.)	$ .15 per sq. ft.

OFFICE HOURS AND FEES ARE SUBJECT TO CHANGE

Students Generated By New Development

The number of students estimated to be generated from future Unmitigated Development is determined by multiplying the projected number of future unmitigated SFD and MF units (Table VI) by the corresponding generation rates (Tables VII & VIII). This computation is reflected in Table IX:

Table IX
Student Generation for SFDs & MFs

School Level	*Future SFD Dwelling Units: 12,151*		*Future MF Dwelling Units: 4,836*		Aggregate Future Students
	SFD Student Generation Rate	Future SFD Students	MF Student Generation Rate	Future MF Students	
High (9-12)	0.2626	3,191	0.1314	499	3,690

School Facilities Required to Serve New Development

In order to determine the number of schools, or portions thereof, required to serve students generated from new development, the aggregate student generation rate shown in Table IX is divided by the school capacity (i.e., design population). Table X shows the number of new high schools required to serve new development:

Table X
School Facilities Required for New Development (Unmitigated)

School Facility	Current Available Capacity (1)	Design Capacity	Future Students	Required Facilities (2)
High School (9-12)	0	2,500	3,690	1.48

(1) Current capacity available for Unmitigated Development is shown at zero pursuant to Table II.
(2) Rounded to the nearest hundredth.

Estimated School Facilities Costs

To calculate the cost for new school facilities, the District incorporated it most recent estimates for High School No. 9, the next comprehensive school site to be constructed. These numbers reflect the District's estimate of land acquisition and construction costs, and also include anticipated costs for furniture, equipment and technology. It should be noted that the District's actual school costs for High School No. 9 and High School No. 10 could be significantly higher than these estimates as recent dramatic increases in school construction costs have suggested annual inflation of 15-20% in the short-term. The land costs associated High School No. 9, which were a result of condemnation proceedings, were incorporated and these costs are in excess of $485,000 per acre.

The estimated costs high school facilities are contained in Appendix 'E-1'. The resulting facilities costs per school site, including acquisition and site development are shown in Table XI.

Table XI
Estimated Facilities Costs Per School Site

School Facility	Site Acquisition/ Development (1)	Construction (2)	Total Cost
High (9-12)	$46,328,936	$92,320,811	$138,649,747

(1) It should be noted that the site acquisition and development costs incorporated here are higher than the amount shown in Table 13 of the District's School Facilities Needs Analysis (SFNA), because the prescribed methodology required for the SFNA requires that the computation of site acquisition costs for a high school site with a design capacity similar to High School No. 9 reflect land costs for only 46.5 acres (artificially low). The costs shown above reflect the true acquisition costs for High School No. 9, which is a 60.1 acre site.
(2) Includes plans, tests and inspections, furniture and equipment, technology and other items.

The aggregate facilities impact from new, Unmitigated Development is determined by multiplying the per site costs shown in Table XI by the required number of sites reflected in Table X. This resulting impact is shown in Table XII.

Table XII
Estimated Facilities Costs (Excluding Interim Housing & Admin. Facilities)

School Type (1)	Required Schools (1)	Site Acquisition/ Development	Construction (2)	Total Cost
High (9-12)	1.48	$68,566,826	$136,364,800	$205,201,626

(1) Rounded to the nearest hundredth.
(2) Includes plans, tests and inspections, furniture and equipment, technology and other items.

Interim Housing and Administrative Support

In addition to the need for high school facilities, new development imposes additional facilities impacts on school districts. Because development fees are collected at the time a building permit is issued, funds to provide facilities accumulate over a period of time and revenues, particularly when other local or state funds are not available, are not sufficient to build a school when development so warrants. The solution to this problem is most often addressed through "interim housing" in which the District purchases or leases relocatable classrooms that are used to temporarily alleviate overcrowding at existing school sites. Utilizing recent cost data associated with the setup and leasing of portables at its current sites, the CJUHSD has determined that it costs the District approximately $3,500 per high school student to provide interim housing until new facilities are available.

Additional central administrative facilities and support is also required as new students place incremental demands on school administration. The District has determined that $675 for each new student is necessary to provide for corresponding central administrative facilities. The estimated total cost of interim housing and central administrative facilities is shown in Table XIII.

From: Barbara Nuevo [Binuevo@cuca.k12.ca.us]
Sent: Monday, January 26, 2009 3:13 PM
To: Josephine Alido
Subject: Guasti Plaza Specific Plan Amendment [Scanned]

Attachments: Scan001.PDF

In response to the attached questions:

1. Yes Cucamonga School District provides services for this site. Schools would be the following:

Cucamonga Middle School 6-8 grade
10022 Feron Blvd.
Rancho Cucamonga, CA 91730

THE ONTARIO CENTER SCHOOL K-5
635 N. Center Avenue
Ontario, CA 91764

2. No identified deficiencies.

3. Adjusted Student Generation Factors:

Elementary School
.3998 for Single Family Detached
.1344 for Multi-family Attached.
Middle School
.2049 for Single Family Detached
.0653 for Multi-Family Attached.

4. Developer fees for the the District are:
$2.05 per sq. foot for residential construction, an additional $2,933.91 per unit for new construction. $.32 per sq. ft for commercial construction.

5. No.

6. There is a CFD. The Board of Trustees of the Cucamonga School District established CFD No. 97-1 on November 13, 1997. The qualified electors within the CFD authorized the District to incur bonded indebtedness in an amount not to exceed #30,000,000, and to establish an appropriations limit of $30,000,000 toward the public facilities.
No bonds have been issued as of the date of writing of this report.

Please call if you have any questions,
Thank you.

Barbara Nuevo
Cucamonga School District
Business Services
8776 Archibald Ave.
Rancho Cucamonga, CA 91730
909/987-8942 Fax: 909/980-3628

-----Original Message-----
From: WCP_DO@cuca.k12.ca.us [mailto:WCP_DO@cuca.k12.ca.us]
Sent: Monday, January 26, 2009 1:38 PM
To: Barbara Nuevo
Subject: Scan from a Xerox WorkCentre Pro [Scanned]

Please open the attached document. It was scanned and sent to you using a Xerox

WorkCentre Pro.

Sent by: Guest [WCP_DO@cuca.k12.ca.us]
Number of Images: 1
Attachment File Type: PDF

WorkCentre Pro Location: machine location not set Device Name: Xerox

For more information on Xerox products and solutions, please visit
http://www.xerox.com

Inland Empire
UTILITIES AGENCY

January 15, 2008

Josephine Alido
Environmental Planner
David Evans & Associates, INC.
4200 Concours, Suite 200
Ontario, CA 91764

Subject: Guasti Plaza Specific Plan Amendment

Dear Ms. Alido,

The Inland Empire Utilities Agency (IEUA) has reviewed the above referenced subject and has the following comments/recommendations:

The project is located within 0.5 mile of an existing IEUA Recycled Water Line. The development should construct facilities to use recycled water for all approved uses including irrigation and industrial in accordance with California Law which requires recycled water be used when it is available. Please contact the City of Ontario for details on recycled water local laterals.

Below are answers to your questions:

- **What are the locations, sizes, and capacities of the principal sewage/wastewater lines serving the project area?**
  Sewer service to this area will be provided by the City of Ontario sewer facilities. Sewer flows from the area will be conveyed by City sewer facilities to one or both of the following IEUA regional sewer conveyance facilities:
  1. Cucamonga Trunk – 30 inch pipeline
  2. Archibald Trunk Sewer – 18 inch pipeline

- **What is the location, name and present capacity of the wastewater treatment plant(s) that receives effluent generated in the area?**
  The wastewater treatment plant that receives effluent generated in the area is Regional Water Recycling Plant No. 1 (RP-1). It has a rated capacity of 44 MGD. (see attached map)

- **Does the existing treatment plant serving the area have remaining sewer capacity to serve the proposed 500 dwelling units? If not, how can additional capacity be obtained?**
  Yes.

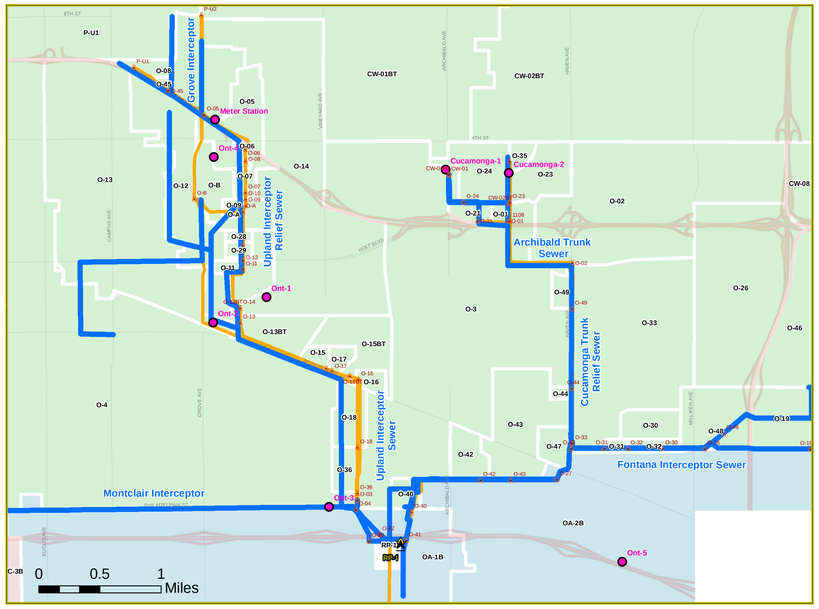
- **Are there any plans for expansion of the sewage conveyance system or the treatment capacity for the project area? If so, please indicate the design capacity of the improvements and projected completion date.**
  IEUA has no plans to expand regional conveyance interceptors in the area. There are ongoing improvements taking place at the treatment plant in various stages.

- **Do you foresee any adverse impacts on your service as a result of the proposed project?**
  None.

If you have any questions, please feel free to contact me at (909) 993-1635 or by email at rshaw@ieua.org.

Regards,

Ryan Shaw
Planning & Water Resources Department
Inland Empire Utilities Agency



Index 1

Legend

- Exhibit A Locations
- Manholes
- TreatmentPlants
- IEUA Service Area
- Regional Sewer Pipeline
- Previous Water Model Pipes
- Freeways
- Primary Streets

- RP-1
- RP-1 or CCWRF
- RP-5
- RP-1 (Future San Bernardino Interceptor)
- RP-4
- RP-5 (Preserve Lift Station)
- RP-5 (RP-2 Lift Station)

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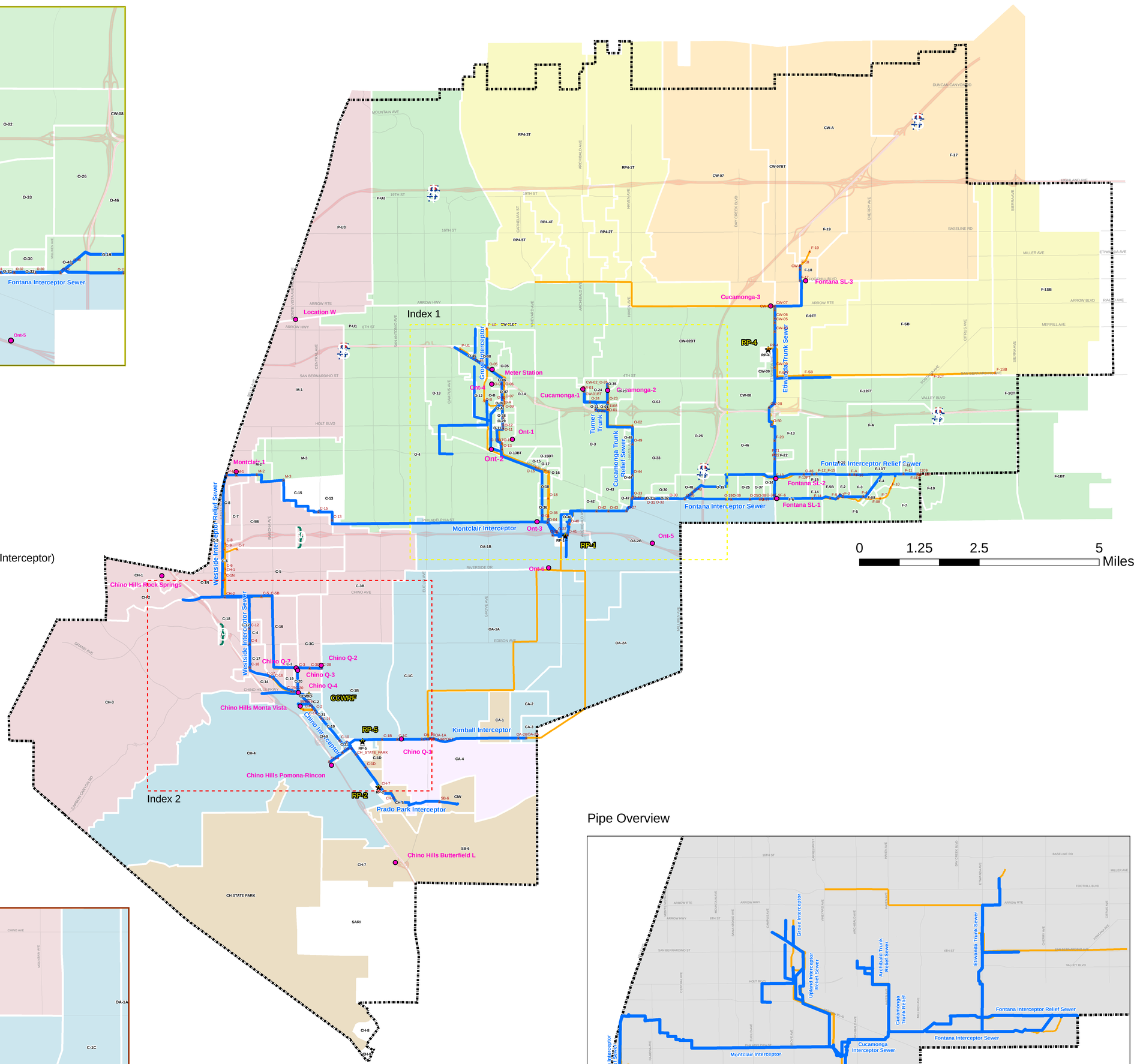
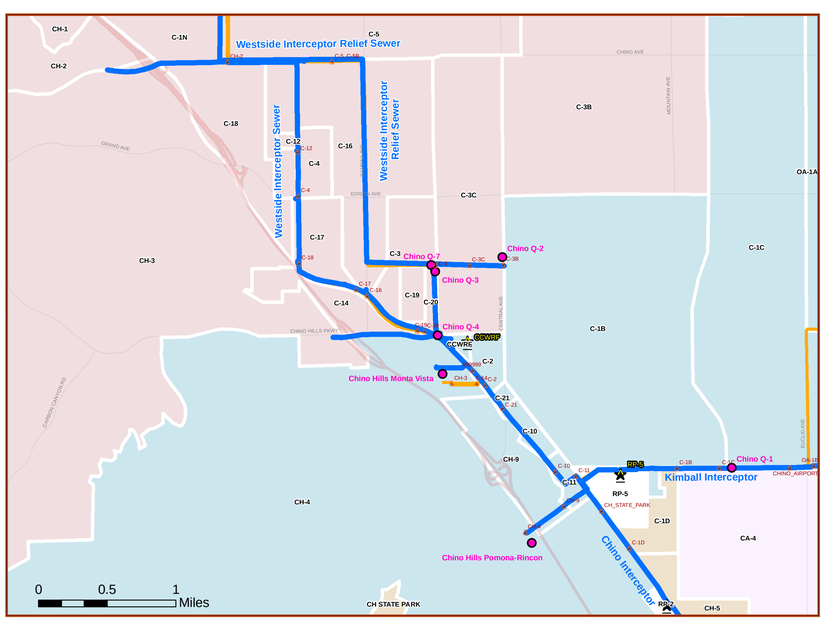
Tributary Areas & Exhibit A Locations & Regional Sewer Pipelines

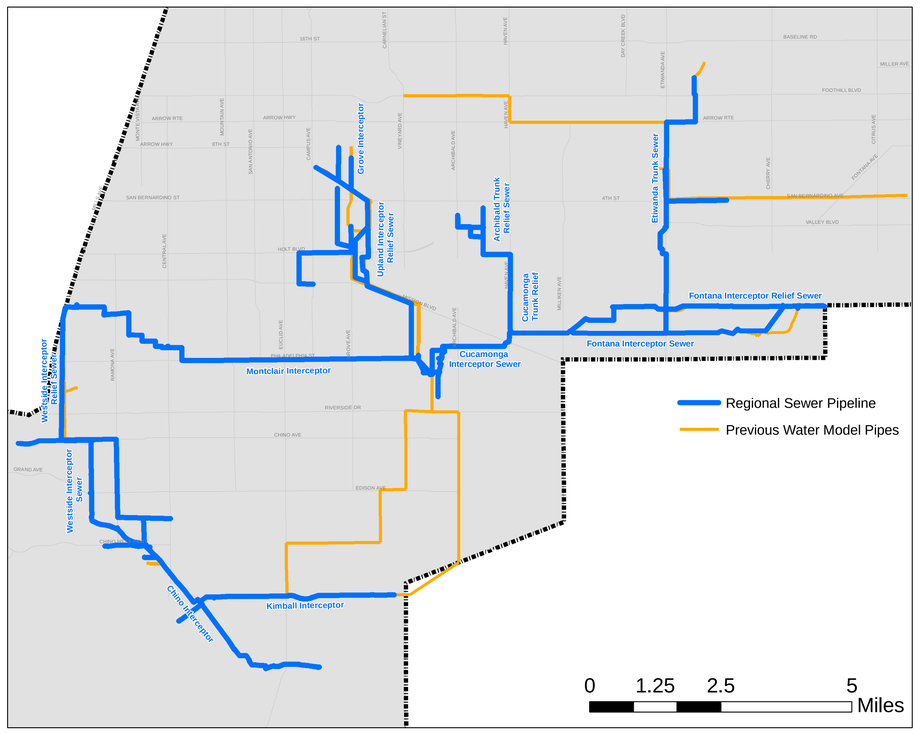


Index 2



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Pipe Overview



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KINDER MORGAN
ENERGY PARTNERS, L.P.
SFPP. L.P.

SFPP, L.P.
Operating Partnership

December 19, 2008

ENG 4-2-1 (49.6 – 108)
(50.7 – 1)
File Reference #07-075-2

Richard Ayala
Planning Department
City of Ontario
303 East B Street
Ontario CA 91764

Tim Stapleton
David Evans and Associates, Inc.
Suite 200
4200 Concours
Ontario CA 91764

Josephine Alido, AICP
Environmental Project Manager
David Evans and Associates, Inc.
4200 Concours, Suite 200
Ontario CA 91764

Re: Guasti Plaza Specific Plan Amendment

To Whom It May Concern:

This is in reply to the Notice of Preparation from the City of Ontario we received in this office on November 25, 2008, and the letters we received from David Evans & Associates, Inc. on November 24, 2008, and December 5, 2008, concerning the above referenced project in San Bernardino County, California.

Copies of the drawings are enclosed for Line Section 108, sheets 61 and 62; and Line Section 1, sheets 58 and 59; that respectively depict the general alignment of Kinder Morgan's (KM) 20-inch and 16-inch high pressure refined petroleum products pipelines.

In the interest of public safety and for pipeline protection, the following provisions must be considered in the design and subsequent construction of improvements near KM's pipelines:

1. Exact pipeline locations can only be determined by pothole. The pothole work must be performed by hand excavation and in the presence of a pipeline representative by contacting Kinder Morgan Area Manager, Mr. Bill Toepfer at (909) 873-5152, at least two weeks prior to commencement of work. Mr. Toepfer will arrange for a pipeline representative to be present during work near the pipelines.

2. Adherence to provisions enumerated in the enclosed copy of (a) L-OM200-29 "Guidelines for Design and Construction" relating to proposed projects affecting Kinder Morgan pipelines and (b) copy of Information Bulletin #03-001, issued from the office of the California State Fire Marshal concerning encroachments within and adjacent to pipeline easements.

3. When preliminary project plans have been formulated, based upon the field determination (surveyed potholes) of existing substructures, please forward a full sized set of drawings (to this office) showing KM pipelines in plan and profile relative to the proposed improvements and existing conditions. Upon review of the drawings we will provide you with the necessary provisions for pipeline protection when working near these facilities

Please use the above File Reference number for future correspondence concerning this matter.

Sincerely,

D. M. Bushman
Project Manager

T: Quinn/letters/ENG4-2-1/07-075-2

Enclosures

cc: Bill Toepfer w/enclosures

INFORMATION BULLETIN
#03-001

Date Issued: June 20, 2003

SUBJECT: ENCROACHMENTS INTO OR ON PIPELINE EASEMENTS

The purpose of this informational bulletin is to delineate the position of the State Fire Marshal regarding encroachments onto the pipeline easements.

Section 51014.6 of the California Government Code states, " (a) Effective January 1, 1987, no person, other than the pipeline operator, shall do any of the following with respect to any pipeline easement: (1) Build, erect, or create a structure or improvement within the pipeline easement or permit the building, erection, or creation thereof. (2) Build, erect, or create a structure, fence, wall, or obstruction adjacent to any pipeline easement which would prevent complete and unimpaired surface access to the easement, or permit the building, erection, or creation thereof. (b) No shrubbery or shielding shall be installed on the pipeline easement which would impair aerial observation of the pipeline easement. This subdivision does not prevent the revegetation of any landscape disturbed within a pipeline easement as a result of construction the pipeline and does not prevent the holder of the underlying fee interest or the holder's tenant from planting and harvesting seasonal agricultural crops on a pipeline easement. (c) This section does not prohibit a pipeline operator from performing any necessary activities within a pipeline easement, including, but not limited to, the construction, replacement, relocation, repair, or operation of the pipeline.

It is the position of the State Fire Marshal that nothing shall encroach into or upon the pipeline easement, which would impede the pipeline operator from complete and unobstructed surface access along the pipeline right of way. Nor shall there be any obstructions, which would shield the pipeline right of way from observation. In the interest of public safety and the protection of the environment, it is imperative that the pipeline operator visually assesses the conditions along the easement to ensure the integrity of the pipeline.

It is the responsibility of the pipeline operator to ensure they have unimpeded surface access and to be able to physically observe all portions of their pipeline rights of way. In cases where this is not possible, the pipeline operator shall inform the State Fire Marshal. The State Fire Marshal shall in conjunction with the pipeline operator resolve the issue.

Questions regarding the issue of pipeline encroachment can be addressed to:

Bob Gorham, Supervising Pipeline Safety Engineer
CDF/State Fire Marshal
Pipeline Safety Division
3950 Paramount Blvd. Suite 210
Lakewood, CA 9012

(562) 497-9100
(562) 497-9104 (fax)
bob.gorham@fire.ca.gov

KINDER MORGAN

Guidelines for Design and Construction near Kinder Morgan Hazardous Liquid Operated Facilities

Name of Company: _____

The list of design, construction and contractor requirements, including but not limited to the following, for the design and installation of foreign utilities or improvements on KM right-of-way (ROW) are not intended nor do they waive or modify any rights KM may have under existing easements or ROW agreements. Reference existing easements and amendments for additional requirements. This list of requirements is applicable for KM facilities on easements only. Encroachments on fee property should be referred to the ROW Department.

Design

- KM shall be provided sufficient prior notice of planned activities involving excavation, blasting, or any type of construction on KM's ROW to determine and resolve any location, grade or encroachment problems and provide protection of our facilities and the public **before** the actual work is to take place.

- Encroaching entity shall provide KM with a set of drawings for review and a set of final construction drawings showing all aspects of the proposed facilities in the vicinity of KM's ROW. The encroaching entity shall also provide a set of as-built drawings showing the proposed facilities in the vicinity of KM's ROW.

- Only facilities shown on drawings reviewed by (Company) will be approved for installation on KM's ROW. All drawing revisions that effect facilities proposed to be placed on KM's ROW must be approved by KM in writing.

- KM shall approve the design of all permanent road crossings.

- Any repair to surface facilities following future pipeline maintenance or repair work by KM will be at the expense of the developer or landowner.

- The depth of cover over the KM pipelines shall not be reduced nor drainage altered without KM's written approval.

- Construction of any permanent structure, building(s) or obstructions within KM pipeline easement is **not** permitted.

- Planting of shrubs and trees is not permitted on KM pipeline easement.

- Irrigation equipment i.e. backflow prevent devices, meters, valves, valve boxes, etc. shall not be located on KM easement.

- Foreign line, gas, water, electric and sewer lines, etc., may cross perpendicular to KM's pipeline within the ROW, provided that a minimum of two (2) feet of vertical clearance is maintained between KM pipeline(s) and the foreign pipeline. Constant line elevations must be maintained across KM's entire ROW width, gravity drain lines are the only exception. Foreign line crossings below the KM pipeline must be evaluated by KM to ensure that a significant length of the KM line is not exposed and unsupported during construction. When installing underground utilities, the last line should be placed beneath all existing lines unless it is impractical or unreasonable to do so. Foreign line crossings above the KM pipeline with less than 2 feet of clearance must be evaluated by KM to ensure that additional support is not necessary to prevent settling on top of the KM hazardous liquids pipeline.

- A foreign pipeline shall cross KM facilities at as near a ninety-degree angle as possible. A foreign pipeline shall not run parallel to KM pipeline within KM easement without written permission of KM.

- The foreign utility should be advised that KM maintains cathodic protection on their pipelines. The foreign utility must coordinate their cathodic protection system with KM's. At the request of KM, foreign utilities shall install (or allow to be installed) cathodic protection test leads at all crossings for the purposes of monitoring cathodic protection. The KM Cathodic Protection (CP) technician and the foreign utility CP technician shall perform post construction CP interference testing. Interference issues shall be resolved by mutual agreement between foreign utility and KM. All costs associated with the correction of cathodic protection problems on KM pipeline as a result of the foreign utility crossing shall be borne by the foreign utility for a period of one year from date the foreign utility is put in service.

- The metallic foreign line shall be coated with a suitable pipe coating for a distance of at least 10 feet on either side of the crossing unless otherwise requested by the KM CP Technician.

KINDER MORGAN

Guidelines for Design and Construction near Kinder Morgan Hazardous Liquid Operated Facilities

- AC Electrical lines must be installed in conduit and properly insulated.
- DOT approved pipeline markers shall be installed so as to indicate the route of the foreign pipeline across the KM ROW.
- No power poles, light standards, etc. shall be installed on KM easement
- No pipeline may be located within 50 feet (15 meters) of any private dwelling, or any industrial building or place of public assembly in which persons work, congregate, or assemble.

Construction

- Contractors shall be advised of KM's requirements and be contractually obligated to comply.
- The continued integrity of KM's pipelines and the safety of all individuals in the area of proposed work near KM's facilities are of the utmost importance. Therefore, contractor must meet with KM representatives prior to construction to provide and receive notification listings for appropriate area operations and emergency personnel. **KM's on-site representative will require discontinuation of any work that, in his opinion, endangers the operations or safety of personnel, pipelines or facilities.**
- The Contractor must expose all KM pipelines prior to crossing to determine the exact alignment and depth of the lines. A KM representative must be present. In the event of parallel lines, only one pipeline can be exposed at a time.
- KM will not allow pipelines to remain exposed overnight without consent of KM designated representative. Contractor may be required to backfill pipelines at the end of each day.
- A KM representative shall do all line locating. A KM representative shall be present for hydraulic excavation. The use of probing rods for pipeline locating shall be performed by KM representatives only, to prevent unnecessary damage to the pipeline coating.
- Notification shall be given to KM at least 72 hours before start of construction. A schedule of activities for the duration of the project must be made available at that time to facilitate the scheduling of Kinder Morgan, Inc.'s work site representative. Any Contractor schedule changes shall be provided to Kinder Morgan, Inc. immediately.
- Heavy equipment will not be allowed to operate directly over KM pipelines or in KM ROW unless written approval is obtained from (Company). Heavy equipment shall only be allowed to cross KM pipelines at locations designated by Kinder Morgan, Inc. Contractor shall comply with all precautionary measures required by KM to protect its pipelines. When inclement weather exists, provisions must be made to compensate for soil displacement due to subsidence of tires. Equipment excavating within ten (10) feet of KM Pipelines will have a plate guard installed over the teeth to protect the pipeline.
- Excavating or grading which might result in erosion or which could render the KM ROW inaccessible shall not be permitted unless the contractor/developer/owner agrees to restore the area to its original condition and provide protection to KM's facility.
- A KM representative shall be on-site to observe any construction activities within ten (10) feet of a KM pipeline or aboveground appurtenance. The contractor **shall not** work within this distance without a KM representative being on site. Only hand excavation shall be permitted within two (2) feet of KM pipelines, valves and fittings unless State requirements are more stringent. However, proceed with extreme caution when within three (3) feet of the pipe.
- A KM representative will monitor construction activity within 25 feet of KM facilities during and after the activities to verify the integrity of the pipeline and to ensure the scope and conditions agreed to have not changed. Monitoring means to conduct site inspections on a pre-determined frequency based on items such as: scope of work, duration of expected excavator work, type of equipment, potential impact on pipeline, complexity of work and/or number of excavators involved.
- Ripping is only allowed when the position of the pipe is known and not within ten (10) feet of KM facility unless company representative is present.
- Temporary support of any exposed KM pipeline by Contractor may be necessary if required by KM's on-site representative. Backfill below the exposed lines and 12" above the lines shall be replaced with sand or other selected material as approved by KM's on-site representative and thoroughly compacted in 12" lifts to 95% of standard proctor dry density minimum or as approved by KM's on-site representative. This is to adequately protect against stresses that may be caused by the settling of the pipeline.

- No blasting shall be allowed within 1000 feet of KM's facilities unless blasting notification is given to KM including complete Blasting Plan Data. A pre-blast meeting shall be conducted by the organization responsible for blasting.
  KM shall be indemnified and held harmless from any loss, cost of liability for personal injuries received, death caused or property damage suffered or sustained by any person resulting from any blasting operations undertaken within 500 feet of its facilities. The organization responsible for blasting shall be liable for any and all damages caused to KM's facilities as a result of their activities whether or not KM representatives are present. KM shall have a signed and executed Blasting Indemnification Agreement before authorized permission to blast can be given.

  No blasting shall be allowed within 300 feet of KM's facilities unless blasting notification is given to KM a minimum of one week before blasting. *(note: covered above)* KM shall review and analyze the blasting methods. A written blasting plan shall be provided by the organization responsible for blasting and agreed to in writing by KM in addition to meeting requirements for 500' and 1000' being met above. A written emergency plan shall be provided by the organization responsible for blasting. *(note: covered above)*

- **Any** contact with any KM facility, pipeline, valve set, etc. shall be reported immediately to KM. If repairs to the pipe are necessary, they will be made and inspected before the section is re-coated and the line is back-filled.

- KM personnel shall install all test leads on KM facilities.

- Burning of trash, brush, etc. is not permitted within the KM ROW.

Insurance Requirements

- All contractors, and their subcontractors, working on Company easements shall maintain the following types of insurance policies and minimum limits of coverage. All insurance certificates carried by Contractor and Grantee shall include the following statement: "Kinder Morgan and its affiliated or subsidiary companies are named as additional insured on all above policies (except Worker's Compensation) and waiver of subrogation in favor of Kinder Morgan and its affiliated or subsidiary companies, their respective directors, officers, agents and employees applies as required by written contract." **Contractor shall furnish Certificates of Insurance evidencing insurance coverage prior to commencement of work and shall provide thirty (30) days notice prior to the termination or cancellation of any policy.**

1. Statutory Coverage Workers' Compensation Insurance in accordance with the laws of the states where the work is to be performed. If Contractor performs work on the adjacent on navigable waterways Contractor shall furnish a certificate of insurance showing compliance with the provisions of the Federal Longshoreman's and Harbor Workers' Compensation Law.
2. Employer's Liability Insurance, with limits of not less than **$1,000,000** per occurrence and **$1,000,000** disease each employee.
3. Commercial General Liability Insurance with a combined single limit of not less than **$2,000,000** per occurrence and in the aggregate. All policies shall include coverage for blanket contractual liability assumed.
4. Comprehensive Automobile Liability Insurance with a combined single limit of not less than **$1,000,000.** If necessary, the policy shall be endorsed to provide contractual liability coverage.
5. If necessary Comprehensive Aircraft Liability Insurance with combined bodily injury, including passengers, and property damage liability single limits of not less than **$5,000,000** each occurrence.
6. Contractor's Pollution Liability Insurance this coverage shall be maintained in force for the full period of this agreement with available limits of not less then **$2,000,000** per occurrence.
7. Pollution Legal Liability Insurance this coverage must be maintained in a minimum amount of **$5,000,000** per occurrence.

SFPP FILE / OWNER / PROPERTY	960+00	S.P.T. CO. (108-63-1)	S.P.T. CO. (108-63-1)	995+00

AERIAL PHOTO MAP

COVER: LOOSE SAND

PIPELINE TRANSIT & ALIGNMENT DATA

DETAIL DWG.

PROFILE

DISTRIBUTION

PIPE DATA / CASING

C.S. 2589+85.90, 960+00; 960+08.6; 960+11.6; 961+90 (check valve); EQ; 995+00, C.S. 2624+19.90

3' - 20" X 0.312" W.T., X-60 PIPE
10' - 20" X 0.438" W.T., X-42 PIPE
1-3R ELBOW, 45°
20" X 0.500"W.T., X-60 PIPE X-TRU COAT

3521' OF 20.00" O.D. X 0.281" W.T., API 5LX-60 PIPE
X-TRU COAT

LEGEND

- VA = VALVE; CK = CHECK; PIPE SIZE; VALVE; MILEPOST
- 16" = Pipe Size; ETS = Electrolysis Test Station; X-X = Wiring Type; WIF = Welded Insulated Joint; BIF = Bolted Insulated Joint — ELECTROLYSIS TEST STATION
- X" SIZE OF ELECTROLYSIS INSULATING JOINT; EIJ — ELECTROLYSIS INSULATING JOINT
- RECT. XX-XX — RECTIFIER
- XX — PIPELINE MILEPOST
- XX.X — RAILROAD MILEPOST
- FLOW — DIRECTION OF PRODUCT FLOW
- P.I. = POINT OF INTERSECTION
- BNC — BENCHMARK & NO.
- AM — AERIAL MARKER
- LM — LINE MARKER
- SM — SURFACE MARKER
- VALVE
- THREAD-O-RING
- CHECK VALVE
- SLEEVE
- PIPE BEND; SHOP (SB)
- CASING
- STOPPLE TEE
- SANTA FE PACIFIC PIPE
- OTHER SFPP PIPE
- FOREIGN LINE
- PROPERTY LINE
- RIGHT-OF-WAY
- ROAD
- RAILROAD

ABBREVIATIONS:
CVR COVER
DP DEEP
FCE FENCE

1"=100' HORIZONTAL: 100' 0' 100' 200'
1"=10' VERTICAL: 10' 0' 10' 20'

GENERAL NOTES

1. LOCATIONS OF PIPELINE ARE APPROXIMATE. BEFORE POWER OR HEAVY EQUIPMENT IS USED FOR PURPOSES OF EXCAVATION OR OTHER WORK NEAR THE LINES SHOWN ON THIS MAP, THE EXACT LOCATION AND DEPTH OF THE LINE SHOULD FIRST BE DETERMINED BY HAND EXCAVATION.

NO.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
3	02-15-05	UPDATED CONTINUOUS STATIONING PER CC-8144	MFS	EL	JCC
2	10-21-04	ADDED CHECK VALVE	ERG	JCC	JCC
1	10-22-02	ADDED FORMER DWG. NOS.	MZR		JCC
0	12-01-01	CONVERSION TO AUTOCAD FORMAT PER WO SSP049	SPEC	CV	JCC

REVISIONS

SFPP, L.P.
ORANGE CALIFORNIA

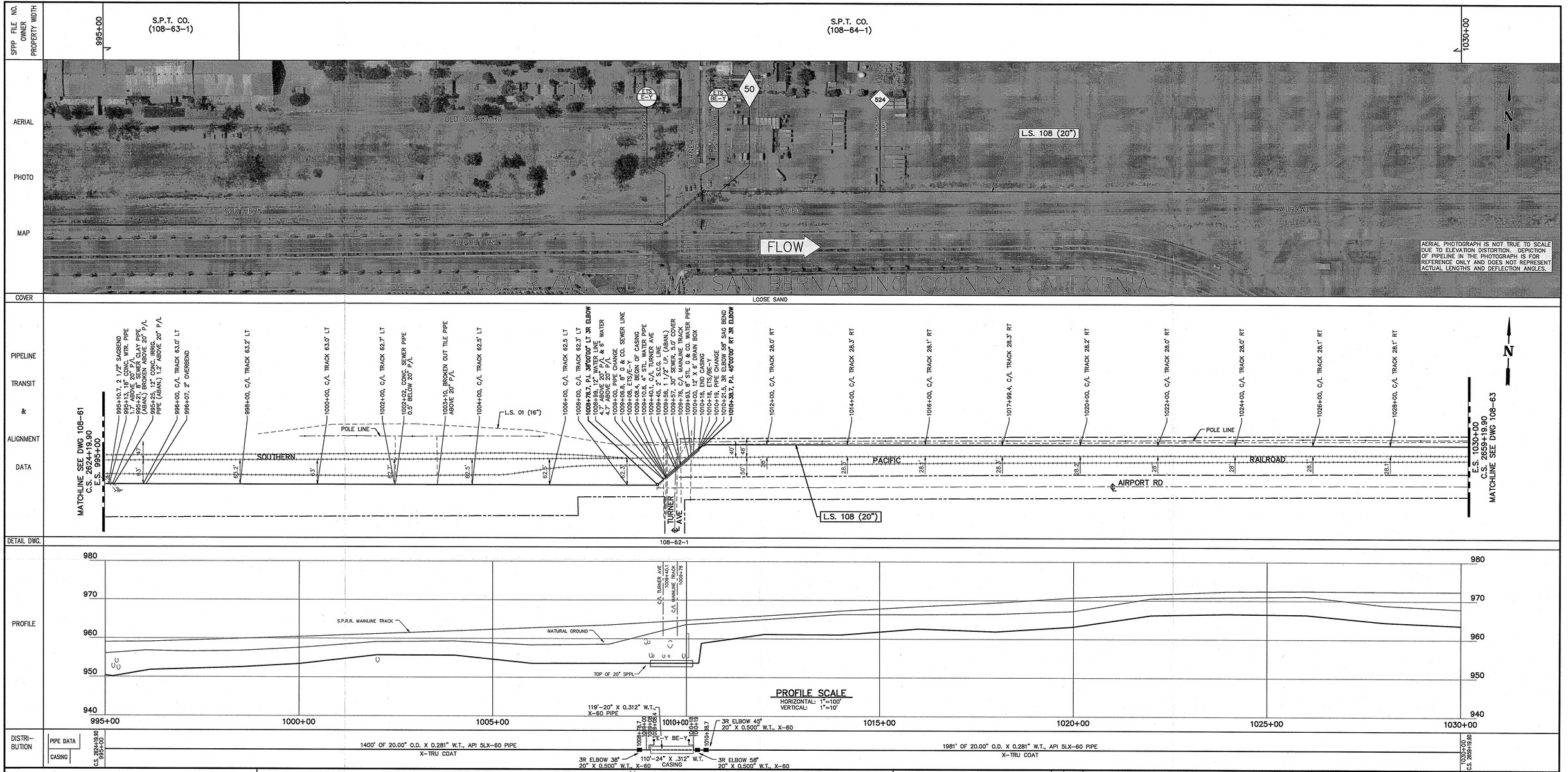
PIPELINE ALIGNMENT
L.S. 108 – 20" PIPELINE
NORWALK TO COLTON
WATSON TO COLTON OPER. SYS.

FIELDBOOK			MAP REFERENCES		RECORD DRAWING NO.		LINE SECTION MILEPOST
TWN	RNG	SEC	USGS QUAD	THOM. BROS.	LINE SECTION	SHEET	
1S	7W		SERIES:7.5'	PAGE: 642	108	61	49
DATE: 10-01-01			NAME: GUASTI	GRID: J1			

RECORD CAD FILE: 108-61

FORMERLY DWGS. 108-62 & 108-63

N:\4229\Dwgs\Map\BCU-3383\LS-108\108-61.DWG, Model, 4/14/2005 11:59:56 AM, GGG, Oce TDS600 3.x (KMEP Pacific Region).pc3, UserDefinedImperial (24.00 x 42.00Inches), 1:100



NOTES

1. SOUTHERN PACIFIC PIPE LINES IS A MEMBER OF UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AND THE CONTRACTOR IS REQUIRED TO NOTIFY U.S.A. 48 HOURS BEFORE EXCAVATION BEGINS. SOUTHERN CALIFORNIA (800) 422-4133

LEGEND

VA = VALVE
CK = CHECK
PIPE SIZE
VALVE
MILEPOST
16" = Pipe Size
ETS = Electrolysis Test Station
X-X = Wiring Type
WF = Welded Insulated Joint
BF = Bolted Insulated Joint
ELECTROLYSIS TEST STATION
SIZE OF ELECTROLYSIS INSULATING JOINT
ELECTROLYSIS INSULATING JOINT
RECTIFIER
PIPELINE MILEPOST
RAILROAD MILEPOST
DIRECTION OF PRODUCT FLOW
P.I. = POINT OF INTERSECTION
BENCHMARK & NO.
AERIAL MARKER
LINE MARKER
SURFACE MARKER
VALVE
THREAD-O-RING
CHECK VALVE
SLEEVE
PIPE BEND; SHOP (SB)
CASING
STOPPLE TEE
SANTA FE PACIFIC PIPE
OTHER SFPP PIPE
FOREIGN LINE
PROPERTY LINE
RIGHT-OF-WAY
ROAD
RAILROAD
ABBREVIATIONS:
CVR COVER
DP DEEP
FCE FENCE
1"=100' HORIZONTAL: 100' 0' 100' 200'
1"=10' VERTICAL: 10' 0' 10' 20'

GENERAL NOTES

1. LOCATIONS OF PIPELINE ARE APPROXIMATE. BEFORE POWER OR HEAVY EQUIPMENT IS USED FOR PURPOSES OF EXCAVATION OR OTHER WORK NEAR THE LINES SHOWN ON THIS MAP, THE EXACT LOCATION AND DEPTH OF THE LINE SHOULD FIRST BE DETERMINED BY HAND EXCAVATION.

NO.	DATE	DESCRIPTION	BY	CKD'D	APPR'D
2	02-15-05	UPDATED CONTINUOUS STATIONING PER CC-8144	MFS	EL	JCC
1	10-22-02	ADDED FORMER DWG. NOS. & REVISED DETAIL DWG. NO.	MZR		JCC
0	12-01-01	CONVERSION TO AUTOCAD FORMAT PER WO SSP049	SPEC	CV	JCC

REVISIONS

SFPP, L.P.
ORANGE CALIFORNIA

PIPELINE ALIGNMENT
L.S. 108 – 20" PIPELINE
NORWALK TO COLTON
WATSON TO COLTON OPER. SYS.

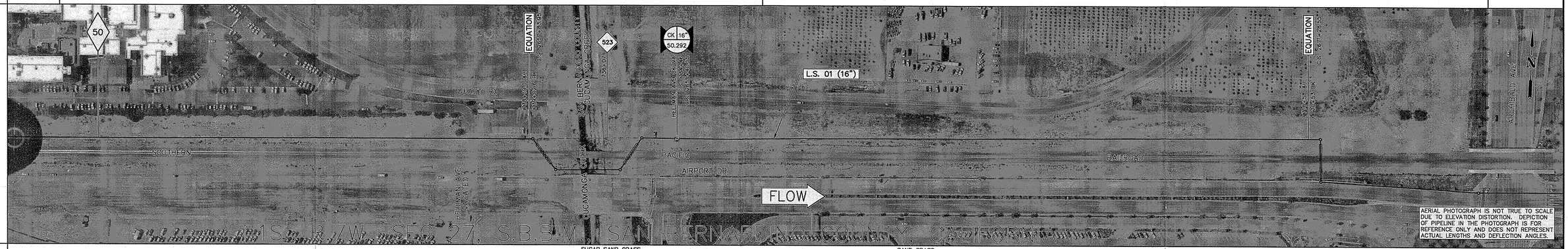
FIELDBOOK			MAP REFERENCES		RECORD DRAWING NO.		LINE SECTION
TWN	RNG	SEC	USGS QUAD	THOM. BROS.	LINE SECTION	SHEET	MILEPOST
1S	7W		SERIES:7.5'	PAGE: 643	108	62	50
DATE: 10-01-01			NAME: GUASTI	GRID: A1			

N:\4229\Dwgs\Map\BCU-33831\LS-108\108-62.DWG, Model, 4/14/2005 12:00:06 PM, GGG, Oce TDS600 3.x (KMEP Pacific Region).pc3, UserDefinedImperial (24.00 x 42.00inches), 1:100

SFPP FILE NO.
OWNER
PROPERTY WIDTH

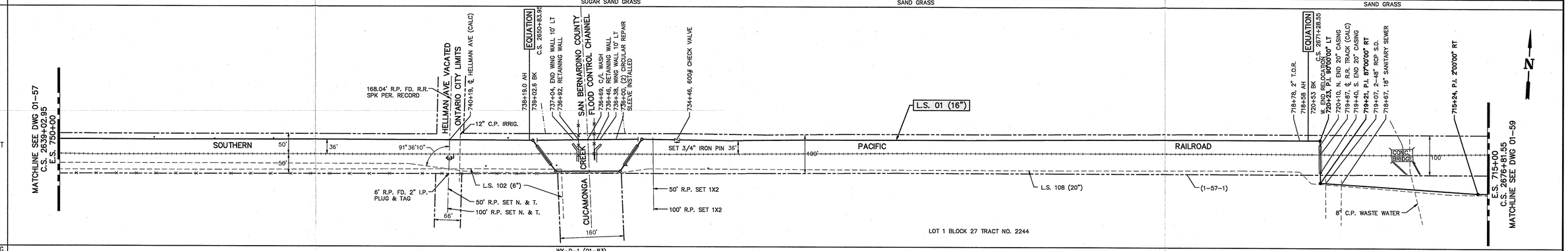
750+00 — SOUTHERN PACIFIC CO. (1-56-3) — SOUTHERN PACIFIC CO. (1-57-1) — 715+00

AERIAL PHOTO MAP



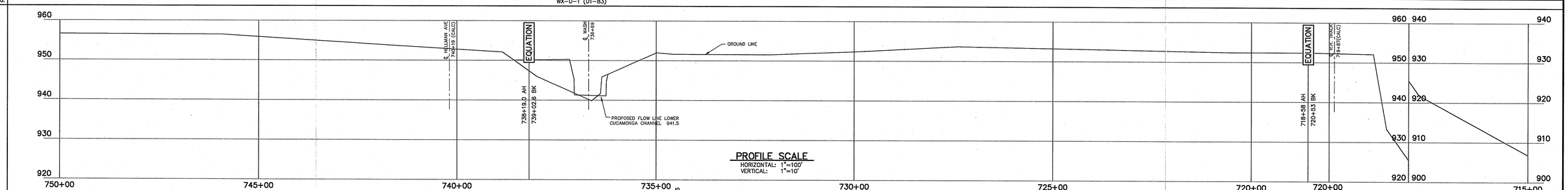
COVER: SUGAR SAND GRASS | SAND GRASS | SAND GRASS

PIPELINE TRANSIT & ALIGNMENT DATA



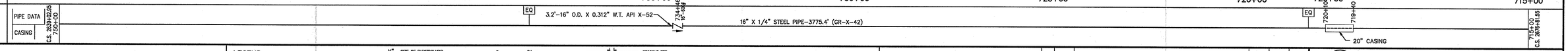
DETAIL DWG. WX-D-1 (01-83)

PROFILE

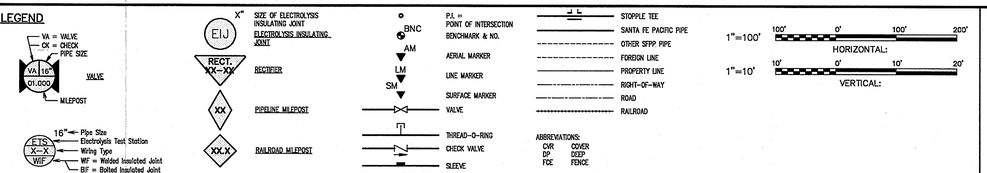


DISTRIBUTION

PIPE DATA — CASING (C.S. 2639+02.95 750+00)



LEGEND



GENERAL NOTES

1. LOCATIONS OF PIPELINE ARE APPROXIMATE. BEFORE POWER OR HEAVY EQUIPMENT IS USED FOR PURPOSES OF EXCAVATION OR OTHER WORK NEAR THE LINES SHOWN ON THIS MAP, THE EXACT LOCATION AND DEPTH OF THE LINE SHOULD FIRST BE DETERMINED BY HAND EXCAVATION.

REVISIONS

NO.	DATE	DESCRIPTION	BY	CKD'D	APPROVED
2	02-15-05	UPDATED CONTINUOUS STATIONING PER CC-8144	MFS	EL	JCC
1	11-20-02	ADDED FORMER DWG. NOS. & REF. TYPICAL DWG. NO.	MZR		JCC
0	12-01-01	CONVERSION TO AUTOCAD FORMAT PER WO SSP049	SPEC	CV	JCC

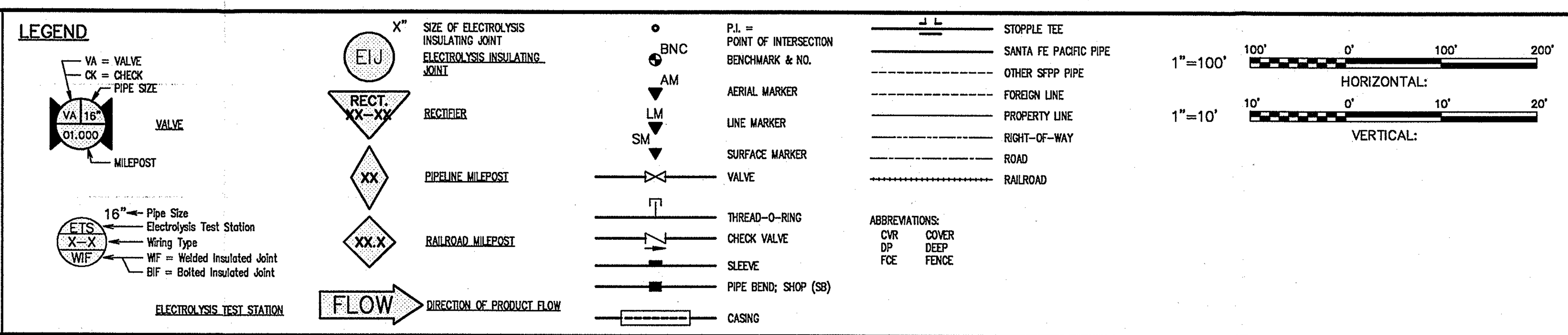
SFPP, L.P.
ORANGE CALIFORNIA

PIPELINE ALIGNMENT
L.S. 01 – 16" PIPELINE
NORWALK TO COLTON
WATSON TO COLTON OPER. SYS.

FIELDBOOK			MAP REFERENCES		RECORD DRAWING NO.		LINE SECTION
TWN	RNG	SEC	USGS QUAD	THOM. BROS.	LINE SECTION	SHEET	MILEPOST
1S	7W	27	SERIES:7.5'	PAGE: 642	01	58	50
DATE:			NAME:GUASTI	GRID: H/J-1			

N:\4229\Dwgs\Map\BCU-3383\LS-001101-58.dwg, Model, 4/14/2005 12:30:43 PM, GGG, Oce TDS600 3.x (KMEP Pacific Region).pc3, UserDefinedImperial (24.00 x 42.00inches), 1:100

SOUTHERN PACIFIC CO. (1-57-5)
SOUTHERN PACIFIC CO. (1-58-1)
SAN BERNARDINO COUNTY (1-57-2)
AERIAL PHOTO MAP
L.S. 01 (16")
FLOW
AERIAL PHOTOGRAPH IS NOT TRUE TO SCALE DUE TO ELEVATION DISTORTION. DEPICTION OF PIPELINE IN THE PHOTOGRAPH IS FOR REFERENCE ONLY AND DOES NOT REPRESENT ACTUAL LENGTHS AND DEFLECTION ANGLES.
PIPELINE TRANSIT & ALIGNMENT DATA
MATCHLINE SEE DWG 01-58
MATCHLINE SEE DWG 01-60
SOUTHERN PACIFIC RAILROAD
TURNER AVE
ARCHIBALD AVE
PORTION OF WEST 1/2 OF SECTION 26
LOT 2
BLOCK 26
PROFILE
PROFILE SCALE
HORIZONTAL: 1"=100'
VERTICAL: 1"=10'
GROUND LINE
16" X 1/4" STEEL PIPE-3500' (GR-X-42)
20" CASING
CATHODIC TEST LEADS



LEGEND
VALVE
MILEPOST
ELECTROLYSIS TEST STATION
SIZE OF ELECTROLYSIS INSULATING JOINT
ELECTROLYSIS INSULATING JOINT
RECTIFIER
PIPELINE MILEPOST
RAILROAD MILEPOST
DIRECTION OF PRODUCT FLOW
P.I. = POINT OF INTERSECTION
BENCHMARK & NO.
AERIAL MARKER
LINE MARKER
SURFACE MARKER
VALVE
THREAD-O-RING
CHECK VALVE
SLEEVE
PIPE BEND; SHOP (SB)
CASING
STOPPLE TEE
SANTA FE PACIFIC PIPE
OTHER SFPP PIPE
FOREIGN LINE
PROPERTY LINE
RIGHT-OF-WAY
ROAD
RAILROAD
ABBREVIATIONS:
CVR COVER
DP DEEP
FCE FENCE
HORIZONTAL:
VERTICAL:

GENERAL NOTES

1. LOCATIONS OF PIPELINE ARE APPROXIMATE. BEFORE POWER OR HEAVY EQUIPMENT IS USED FOR PURPOSES OF EXCAVATION OR OTHER WORK NEAR THE LINES SHOWN ON THIS MAP, THE EXACT LOCATION AND DEPTH OF THE LINE SHOULD FIRST BE DETERMINED BY HAND EXCAVATION.

NO.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
2	02-15-05	UPDATED CONTINUOUS STATIONING PER CC-8144	MFS	EL	JCC
1	11-20-02	ADDED FORMER DWG. NOS. & REVISED DETAIL DWG. NOS.	MZR		JCC
0	12-01-01	CONVERSION TO AUTOCAD FORMAT PER WO SSP049	SPEC	CV	JCC

REVISIONS

SFPP, L.P.

ORANGE CALIFORNIA

PIPELINE ALIGNMENT
L.S. 01 – 16" PIPELINE
NORWALK TO COLTON
WATSON TO COLTON OPER. SYS.

FIELDBOOK			MAP REFERENCES		RECORD DRAWING NO.		LINE SECTION MILEPOST
TWN	RNG	SEC	USGS QUAD	THOM. BROS.	LINE SECTION	SHEET	
1S	7W	26	SERIES:7.5'	PAGE: 643	01	59	51
DATE:			NAME:GUASTI	GRID: A-7			

RECORD CAD FILE: 01-59

FORMERLY DWGS. 01-57 & 01-58

N:\4229\Dwgs\Map\BCU-3383\LS-001\01-59.dwg, Model, 4/14/2005 12:30:54 PM, GGG, Oce TDS600 3.x (KMEP Pacific Region).pc3, UserDefinedImperial (24.00 x 42.00Inches), 1:100

January 9, 2009

Mr. Tim Stapleton
David Evans and Associates
4200 Concours, Ste 200
Ontario, 91764

Subject: The Guasti Plaza Specific Plan Amendment- Initial Study/ Notice of Preparation of Environmental Assessment

Dear Mr. Stapleton,

Thank you for your Notice of Preparation to do an Environmental Assessment for the Guasti Plaza Specific Plan Amendment. Omnitrans supports the plan amendment to add residential units to the Guasti Specific Plan Area. Intensified land uses around transit stations and corridors are recommended. We look forward to working with you and your client to improve this Specific Planning Area and to deliver efficient mobility options for the community.

This project may also want consider some other important transit developments for the City of Ontario such as the proposed Metro Gold Line extension and the California high-speed rail station. This project is in fairly close proximity to the future stations.

1. **Service Area**: Omnitrans currently serves the Guasti Plaza Specific Planning Area.

2. **Existing Bus Routes:** The Guasti Plaza Specific Planning Area is served by route 61 on Archibald Avenue, with 15-minute frequencies. Bus Stops are located on Archibald Avenue, on the far sides of the New Guasti Road Intersection.

3. **Existing Capacity:** Route 61 has above standard performance, at 27.7 passengers per revenue hour. It is the busiest route in the system.

4. **Future Expansion:** The Guasti Plaza Specific Planning Area could see increased transit service to it, if the intensities of land uses in the Planning Area warrant it.

5. **Project Infrastructure needs:**

    a. **Bus Turnouts-** Turnouts are necessary for busses on the far side of New Guasti Road on Archibald Avenue (Northbound and southbound).

b. **Bus Stop Amenities** - In order to better accommodate existing and future riders at the site, the following amenities are requested at the bus stops:

   i. Passenger Landing Areas
   ii. Pedestrian Connections
   iii. Curb Ramps
   iv. Shelters with lighting
   v. Bus Benches
   vi. Trash Receptacles

c. **Pedestrian Traffic Signals-** A signalized pedestrian crosswalk is needed at the New Guasti Road and Archibald Avenue intersection to address passenger safety to and from the bus stops from the Specific Plan Area.

6. **Impacts and Mitigation:** The impacts upon transit associated with the increase in population and activity in the Specific Plan area could be mitigated with increased bus trip frequencies and services. The infrastructure items mentioned in #5 should be considered as recommended transit impact mitigation measures.

   The planned Bus Rapid Transit (BRT) corridor for San Bernardino Avenue could provide additional transit service improvements. The infrastructure items mentioned in #5 would also help to accommodate a future BRT route.

7. **Other Information:** Additional information about the bus stop design guidelines can be found on our website at: **http://www.omnitrans.org/about/bus_stop.shtml**

Thank you for the opportunity to comment.

Sincerely,

Brett Clavio

Brett Clavio

Attachment: Ontario Ridership Data
Photos: Bus Stops

Bus Stops

Archibald Northbound

Archibald Southbound

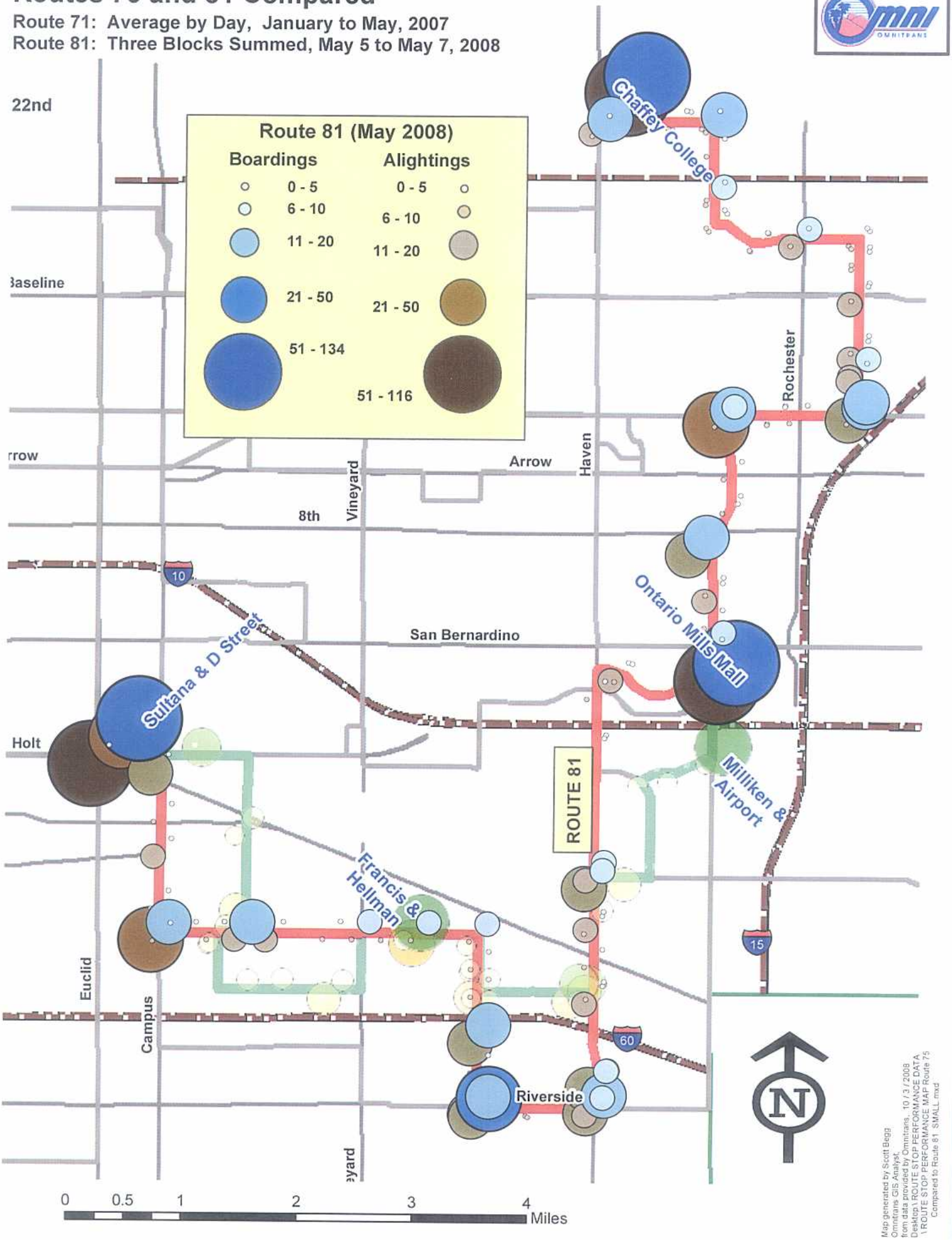
Route 61 Performance by Stop in Ontario

Total Boardings and Alightings Over Three Months (July to October, 2008)

Map generated by Scott Begg
Omnitrans GIS Analyst,
from data provided by Omnitrans, 11/8/2008
Desktop:\ ROUTE STOP PERFORMANCE DATA
\ ROUTE STOP PERFORMANCE MAP Route 61 92008 SMALL.mxd

Routes 75 and 81 Compared

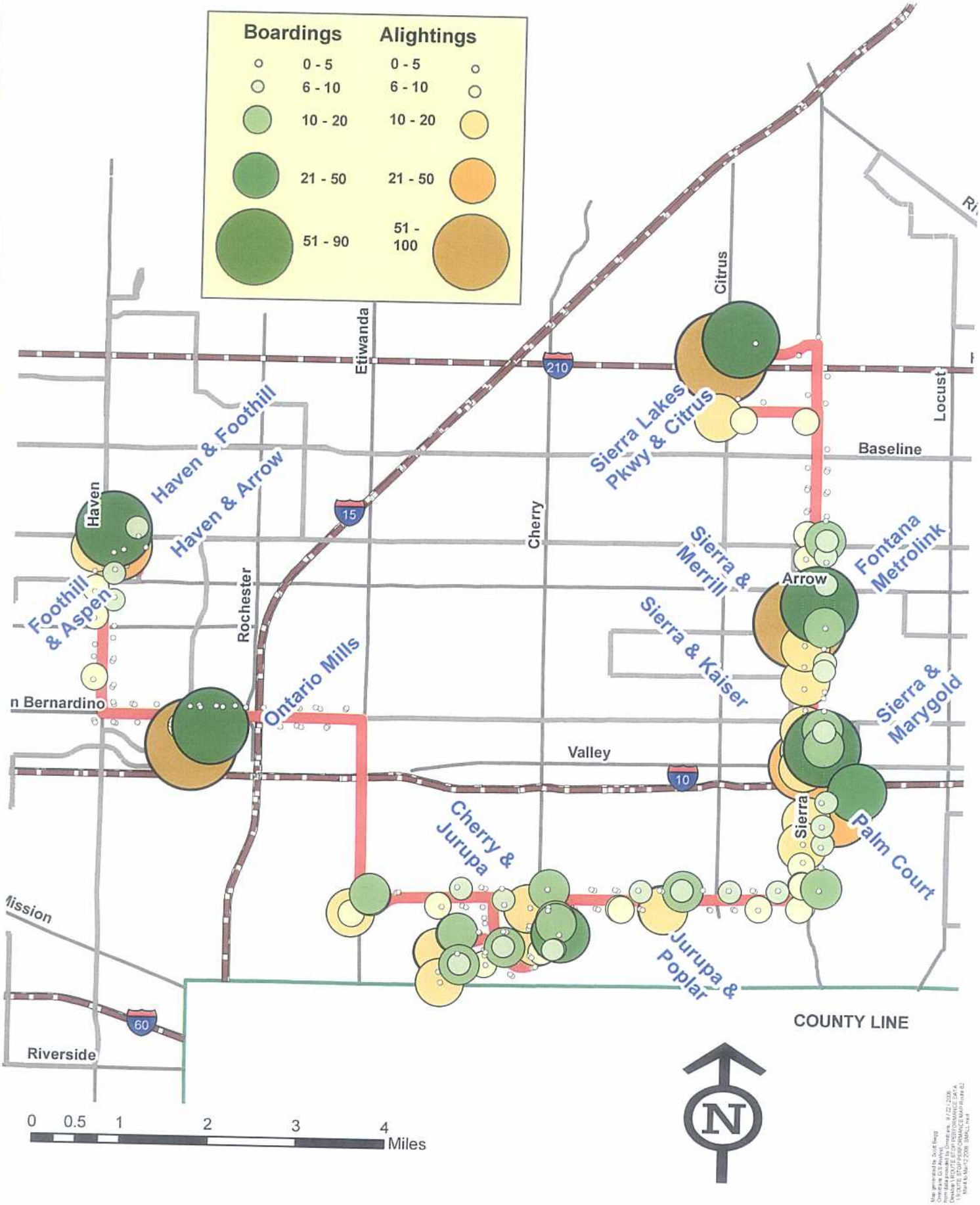
Route 71: Average by Day, January to May, 2007
Route 81: Three Blocks Summed, May 5 to May 7, 2008



Map generated by Scott Begg
Omnitrans GIS Analyst,
from data provided by Omnitrans, 10/3/2008
Desktop\ROUTE STOP PERFORMANCE DATA
\ROUTE STOP PERFORMANCE MAP Route 75
Compared to Route 81 SMALL.mxd

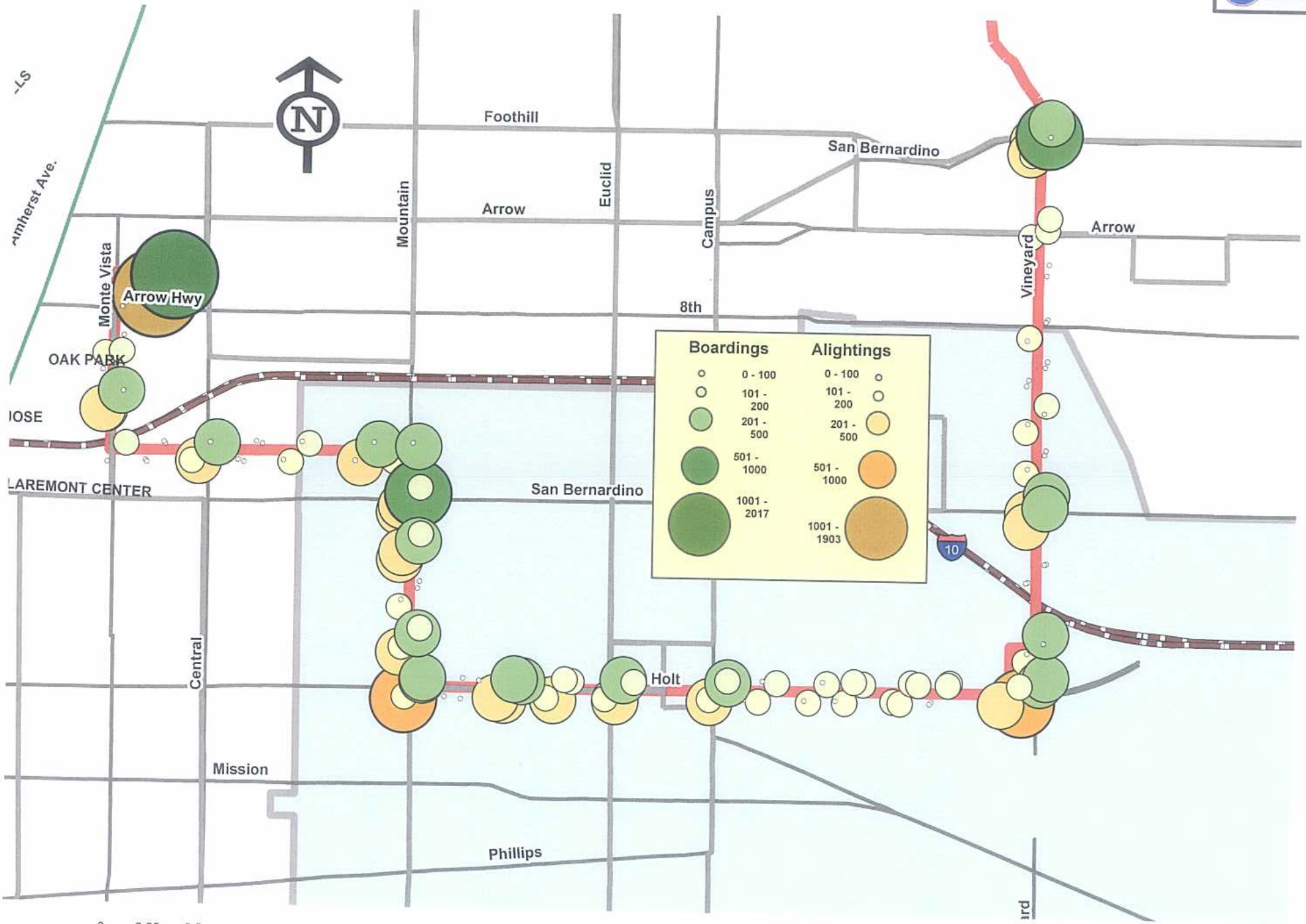
Route 82 Weekday Performance by Stop:

March 4 to March 12, 2008 (1 week, 8 blocks total)



Route 80 Performance by Stop in Ontario

Total Boardings and Alightings Over Two Months (July to September, 2008)



Map generated by Scott Begg
Omnitrans GIS Analyst
Point data provided by Omnitrans 11/6/2008
Desktop \ ROUTE STOP PERFORMANCE DATA
\ ROUTE STOP PERFORMANCE MAP Route 80 82008 SMALL.mxd

For Internal Use Only

A.M. PEAK-PERIOD (PEAK DIRECTION) BOARDINGS & ALIGHTINGS

September 2008

	No. Valid Samples	AVG DAILY Brdg	AVG DAILY Alight	AVG DAILY % on	AVG DAILY % off	Last Sampled
RIVERSIDE						
Riverside	1	496	0	18.6%	0.0%	Sep-08
Pedley	1	231	0	8.6%	0.0%	Sep-08
Ontario	1	424	4	15.9%	0.1%	Sep-08
Downtown Pomona	1	234	15	8.8%	0.6%	Sep-08
Industry	1	1191	17	44.6%	0.6%	Sep-08
Montebello	1	96	492	3.6%	18.4%	Sep-08
LAUS (estimate)	--	0	2144	0.0%	80.2%	
SUB-TOTAL		2,672	2,672	100.0%	100.0%	
ORANGE COUNTY						
Oceanside	1	489	0	13.0%	0.0%	Sep-08
San Clemente	1	140	6	3.7%	0.2%	Sep-08
San Juan Capistrano	2	46	1	1.2%	0.0%	Sep-08
Laguna Niguel/Mission Viejo	1	235	49	6.3%	1.3%	Sep-08
Irvine	1	453	94	12.1%	2.5%	Sep-08
Tustin	1	377	106	10.0%	2.8%	Sep-08
Santa Ana	1	210	148	5.6%	3.9%	Sep-08
Orange	1	262	86	7.0%	2.3%	Sep-08
Anaheim	1	284	128	7.6%	3.5%	Sep-08
Fullerton	1	635	107	16.9%	2.8%	Sep-08
Buena Park	1	345	7	9.2%	0.2%	Sep-08
Norwalk/Santa Fe Spr.	1	270	15	7.2%	0.4%	Sep-08
Commerce	1	12	65	0.3%	1.7%	Sep-08
LAUS (estimate)	--	0	2946	0.0%	78.4%	
SUB-TOTAL		3,758	3,758	100.0%	100.0%	
INLAND EMPIRE						
San Bernardino	1	130	-	5.1%	0.0%	Sep-08
Riverside-Downtown	1	477	-	18.8%	0.0%	Sep-08
Riverside-La Sierra	1	567	-	22.4%	0.0%	Sep-08
North Main - Corona	1	673	-	26.6%	0.0%	Sep-08
West Corona	1	483	-	19.1%	0.0%	Sep-08
Anaheim Canyon	1	77	334	3.0%	13.2%	Sep-08
Orange	1	44	512	1.7%	20.2%	Sep-08
Santa Ana	1	25	467	1.0%	18.5%	Sep-08
Tustin	1	15	531	0.6%	21.0%	Sep-08
Irvine	1	18	515	0.7%	20.4%	Sep-08
Laguna Niguel	1	8	67	0.3%	2.6%	Sep-08
San Juan Capistrano	1	7	12	0.3%	0.5%	Sep-08
San Clemente	1	6	22	0.2%	0.9%	Sep-08
Oceanside	1	0	70	0.0%	2.8%	Sep-08
(Balancing Entry)*		0				
SUB-TOTAL		2,530	2,530	100.0%	100.0%	
91-LA						
Riverside Downtown	1	159	0	13.1%	0.0%	Sep-08
La Sierra	1	201	9	16.5%	0.7%	Sep-08
North Main - Corona	1	300	0	24.7%	0.0%	Sep-08
West Corona	1	154	3	12.7%	0.2%	Sep-08
Fullerton	1	190	186	15.6%	15.3%	Sep-08
Buena Park	1	102	33	8.4%	2.7%	Sep-08
Norwalk/Santa Fe Spr.	1	109	209	9.0%	17.2%	Sep-08
LAUS (estimate)	--	0	775	0.0%	63.8%	
SUB-TOTAL		1,215	1,215	100.0%	100.0%	
TOTAL		**19,981**	**19,981**			

* The "Balancing Entry" is used to equalize boardings and alightings on the IE/OC route. The entry is ratioed throughout the alighting stations from Ana Cyn, Orange, Santa Ana, Tustin, Irvine, Laguna Niguel, San Juan Capistrano, San Clemente and Oceanside or boarding stations from San Bernardino, Riverside, La Sierra, Corona Main and West Corona.

METROLINK PASSENGER TRIPS

Month of September 2008

YR-MO DAY		VENTURA COUNTY LINE			ANTELOPE VALLEY LINE			SAN BERNARDINO LINE			BURBANK TURNS			RIVERSIDE LINE			ORANGE COUNTY LINE			INLAND EMPIRE/OC LINE			RIV-FULLERTON-LA LINE			TOTAL SYSTEM		
08 September		Inbd	Outbd	Total	Inbd	Outbd	Total	Inbd	Outbd	Total	Inbd	Outbd	Total	Inbd	Outbd	Total	Inbd	Outbd	Total	Southbd	Northbd	Total	Inbd	Outbd	Total	Inbd	Outbd	Total
	2	2,142	2,183	4,325	4,256	4,006	8,262	7,129	6,894	14,023	567	257	824	2,663	2,546	5,209	4,272	3,808	8,080	2,470	2,703	5,173	1,191	1,462	2,653	24,690	23,859	48,549
	3	2,259	2,490	4,749	4,197	3,827	8,024	7,070	6,848	13,918	634	265	899	2,854	2,672	5,526	4,406	4,258	8,664	2,665	2,786	5,451	1,111	1,319	2,430	25,196	24,465	49,661
	4	2,414	2,588	5,002	4,070	4,077	8,147	6,939	6,826	13,765	650	281	931	3,014	2,948	5,962	4,601	3,840	8,441	2,675	2,714	5,389	1,221	1,391	2,612	25,584	24,665	50,249
	5	2,097	2,294	4,391	4,086	3,856	7,942	7,134	6,991	14,125	534	259	793	2,599	2,360	4,959	3,968	3,312	7,280	2,613	2,490	5,103	1,068	1,230	2,298	24,099	22,792	46,891
Sat	6			0	1,303	1,253	2,556	1,953	2,108	4,061			0			0	459	382	841	406	443	849			0	4,121	4,186	8,307
Sun	7			0	558	685	1,243	1,259	1,382	2,641			0			0	343	404	747	274	332	606			0	2,434	2,803	5,237
	8	2,176	2,351	4,527	4,030	4,064	8,094	6,952	6,895	13,847	545	255	800	2,752	2,577	5,329	4,238	3,631	7,869	2,476	2,575	5,051	1,107	1,335	2,442	24,276	23,683	47,959
	9	2,260	2,461	4,721	4,119	3,850	7,969	6,943	7,132	14,075	561	285	846	2,783	2,680	5,463	4,671	4,275	8,946	2,704	2,822	5,526	1,107	1,367	2,474	25,148	24,872	50,020
	10	2,189	2,410	4,599	4,122	3,873	7,995	7,103	6,682	13,785	602	254	856	3,077	2,716	5,793	4,412	3,806	8,218	2,483	2,927	5,410	1,192	1,373	2,565	25,180	24,041	49,221
	11	2,148	2,491	4,639	4,174	4,017	8,191	7,055	7,403	14,458	573	270	843	2,751	2,535	5,286	4,317	3,938	8,255	2,579	2,510	5,089	1,130	1,361	2,491	24,727	24,525	49,252
	12	1,959	2,163	4,122	4,143	3,718	7,861	6,975	6,894	13,869	525	262	787	2,577	2,383	4,960	3,915	3,552	7,467	2,402	2,500	4,902	950	1,250	2,200	23,446	22,722	46,168
Sat	13			0	1,004	921	1,925	1,967	1,986	3,953			0			0	306	370	676	344	361	705			0	3,621	3,638	7,259
Sun	14			0	356	705	1,061	1,133	1,071	2,204			0			0	258	255	513	157	196	353			0	1,904	2,227	4,131
	15	1,605	1,903	3,508	3,794	3,727	7,521	6,538	6,698	13,236	525	254	779	2,516	2,252	4,768	4,072	3,408	7,480	2,489	2,427	4,916	1,179	1,341	2,520	22,718	22,010	44,728
	16	1,654	1,857	3,511	3,685	3,729	7,414	6,927	6,915	13,842	560	229	789	2,978	2,652	5,630	4,332	3,526	7,858	2,640	2,530	5,170	1,023	1,452	2,475	23,799	22,890	46,689
	17	1,800	1,980	3,780	3,801	3,454	7,255	7,083	7,464	14,547	572	255	827	2,744	2,745	5,489	4,184	3,575	7,759	2,574	2,544	5,118	1,111	1,334	2,445	23,869	23,351	47,220
	18	1,898	2,296	4,194	3,594	3,470	7,064	6,788	7,129	13,917	533	251	784	2,618	2,405	5,023	4,205	3,639	7,844	2,639	2,552	5,191	1,185	1,229	2,414	23,460	22,971	46,431
	19	1,833	2,160	3,993	3,867	3,449	7,316	6,570	7,285	13,855	449	273	722	2,387	2,412	4,799	3,773	3,295	7,068	2,357	2,318	4,675	1,150	1,238	2,388	22,386	22,430	44,816
Sat	20			0	1,141	975	2,116	2,019	2,036	4,055			0			0	293	326	619	411	383	794			0	3,864	3,720	7,584
Sun	21			0	526	594	1,120	1,168	1,162	2,330			0			0	324	564	888	171	153	324			0	2,189	2,473	4,662
	22	1,709	2,153	3,862	3,765	3,838	7,603	6,575	6,890	13,465	540	249	789	2,508	2,478	4,986	4,396	3,557	7,953	2,503	2,638	5,141	1,148	1,251	2,399	23,144	23,054	46,198
	23	2,040	2,406	4,446	3,885	3,557	7,442	6,946	7,136	14,082	572	257	829	2,788	2,795	5,583	4,160	3,654	7,814	2,612	2,665	5,277	1,175	1,298	2,473	24,178	23,768	47,946
	24	2,191	2,369	4,560	3,858	3,388	7,246	6,903	7,220	14,123	485	267	752	2,790	2,928	5,718	4,107	3,723	7,830	2,590	2,671	5,261	1,201	1,332	2,533	24,125	23,898	48,023
	25	1,984	2,207	4,191	3,866	3,305	7,171	7,042	7,070	14,112	502	241	743	2,732	2,800	5,532	4,102	3,749	7,851	2,585	2,501	5,086	1,251	1,280	2,531	24,064	23,153	47,217
	26	1,959	2,103	4,062	3,833	3,521	7,354	6,793	6,620	13,413	472	232	704	2,655	2,433	5,088	3,686	3,204	6,890	2,515	2,406	4,921	1,199	1,190	2,389	23,112	21,709	44,821
Sat	27			0	1,190	1,044	2,234	1,961	1,953	3,914			0			0	372	388	760	359	165	524			0	3,882	3,550	7,432
Sun	28			0	602	795	1,397	1,381	1,294	2,675			0			0	383	411	794	269	320	589			0	2,635	2,820	5,455
	29	1,889	2,273	4,162	3,714	3,372	7,086	6,731	6,647	13,378	437	260	697	2,731	2,862	5,593	4,197	3,742	7,939	2,546	2,608	5,154	1,189	1,289	2,478	23,434	23,053	46,487
	30	1,862	2,259	4,121	3,654	3,550	7,204	6,888	6,880	13,768	492	262	754	2,743	2,738	5,481	4,332	3,788	8,120	2,594	2,619	5,213	1,238	1,253	2,491	23,803	23,349	47,152
				0			0			0			0			0			0			0			0	0	0	0
				0			0			0			0			0			0			0			0	0	0	0
TOTAL		42,068	47,397	89,465	89,193	84,620	173,813	157,925	159,511	317,436	11,330	5,418	16,748	57,260	54,917	112,177	91,084	80,380	171,464	56,102	56,859	112,961	24,126	27,575	51,701	529,088	516,677	1,045,765

AVERAGE WEEKDAY TRIPS; CURRENT MONTH:

Avg Wkday	2,003	2,257	4,260	3,929	3,698	7,627	6,909	6,977	13,886	540	258	798	2,727	2,615	5,342	4,207	3,680	7,887	2,558	2,596	5,154	1,149	1,313	2,462	24,022	23,394	47,416

AVERAGE WEEKDAY TRIPS; CURRENT MONTH (HOLIDAY ADJUSTED):

Holiday Adj	2,003	2,257	4,260	3,929	3,698	7,627	6,909	6,977	13,886	540	258	798	2,727	2,615	5,342	4,207	3,680	7,887	2,558	2,596	5,154	1,149	1,313	2,462	24,022	23,394	47,416

AVERAGE SATURDAY TRIPS:

Avg Sat			1,160	1,048	2,208	1,975	2,021	3,996								358	367	724	380	338	718				3,872	3,774	7,646

AVERAGE SUNDAY TRIPS:

Avg Sun			511	695	1,205	1,235	1,227	2,463								327	409	736	218	250	468				2,291	2,581	4,871

Current Month vs Prior Month:

% Change		-5.6%		1.5%		2.6%		5.3%		0.1%		0.4%		-0.8%		2.5%		0.6%										

Reference: Metrolink Morning Report

Operating Notes: Total operating days this month = 29

Weekdays operated this month = 21

Holidays Adjusted this month: None

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

SCRRA-PASSENGER MONTHLY RIDERSHIP

Route ID(s): 1VN, 2AV, 3SB, 4RV, 5OC, 6IE, 7LA, 8BU

For Month: 09/2008

Report Date: 10/6/2008

Train #	M 1	T 2	W 3	T 4	F 5	S 6	S 7	M 8	T 9	W 10	T 11	F 12	S 13	S 14	M 15	T 16	W 17	T 18	F 19	S 20	S 21	M 22	T 23	W 24	T 25	F 26	S 27	S 28	M 29	T 30	Total PAX	Average Wkday	Average Sat	Average Sun
4RV: RIVERSIDE ROUTE																																		
INBOUND																																		
401	0	355	489	645	333	0	0	387	455	596	412	337	0	0	456	800	534	344	382	0	0	393	459	459	415	381	0	0	397	449	9478	451	0	0
403	0	773	819	772	744	0	0	822	784	784	814	789	0	0	639	714	782	779	619	0	0	745	771	819	744	798	0	0	792	792	16095	766	0	0
405	0	486	529	542	510	0	0	496	505	516	482	471	0	0	631	511	518	542	455	0	0	461	537	544	520	468	0	0	541	489	10754	512	0	0
407	0	721	749	709	703	0	0	726	731	712	741	718	0	0	512	637	612	589	638	0	0	657	703	712	731	709	0	0	719	736	14465	689	0	0
409	0	305	254	325	278	0	0	299	271	448	281	221	0	0	257	297	277	340	241	0	0	233	305	241	305	251	0	0	261	246	5936	283	0	0
411	0	23	14	21	31	0	0	22	37	21	21	41	0	0	21	19	21	24	52	0	0	19	13	15	17	48	0	0	21	31	532	25	0	0
Subtotal:	0	2854	2599	0	2783	2751	0	2516	2744	2387	0	2788	2732	0	2731																57260	2727	0	
	2663	3014	0	2752	3077	2577	0	2978	2618	0	2508	2790	2655	0	2743																			0
OUTBOUND																																		
402	0	79	82	82	107	0	0	84	73	65	66	129	0	0	59	59	52	57	171	0	0	63	66	71	65	73	0	0	65	61	1629	78	0	0
404	0	722	737	708	658	0	0	702	738	766	667	704	0	0	703	701	777	712	598	0	0	571	748	775	658	687	0	0	748	731	14811	705	0	0
406	0	641	665	968	525	0	0	677	698	720	637	567	0	0	570	681	653	438	638	0	0	655	693	651	749	595	0	0	657	689	13767	656	0	0
408	0	545	529	542	443	0	0	521	544	572	558	461	0	0	497	559	553	532	586	0	0	571	631	714	631	484	0	0	679	581	11733	559	0	0
410	0	417	442	412	424	0	0	401	415	390	415	415	0	0	352	479	498	487	291	0	0	421	461	481	461	413	0	0	472	450	8997	428	0	0
412	0	142	217	236	203	0	0	192	212	203	192	107	0	0	71	173	212	179	128	0	0	197	196	236	236	181	0	0	241	226	3980	190	0	0

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

SCRRA-PASSENGER MONTHLY RIDERSHIP

Route ID(s): 1VN, 2AV, 3SB, 4RV, 5OC, 6IE, 7LA, 8BU

For Month: 09/2008

Report Date: 10/6/2008

Train #	M 1	T 2	W 3	T 4	F 5	S 6	S 7	M 8	T 9	W 10	T 11	F 12	S 13	S 14	M 15	T 16	W 17	T 18	F 19	S 20	S 21	M 22	T 23	W 24	T 25	F 26	S 27	S 28	M 29	T 30	Total PAX	Average Wkday	Average Sat	Average Sun
Subtotal:	0	2546	2672	2948	2360	0	0	2577	2680	2716	2535	2383	0	0	2252	2652	2745	2405	2412	0	0	2478	2795	2928	2800	2433	0	0	2862	2738	54917	2615	0	0
Route Total:	0	5209	5526	5962	4959	0	0	5329	5463	5793	5286	4960	0	0	4768	5630	5489	5023	4799	0	0	4986	5583	5718	5532	5088	0	0	5593	5481	112177	5342	0	0

METROLINK

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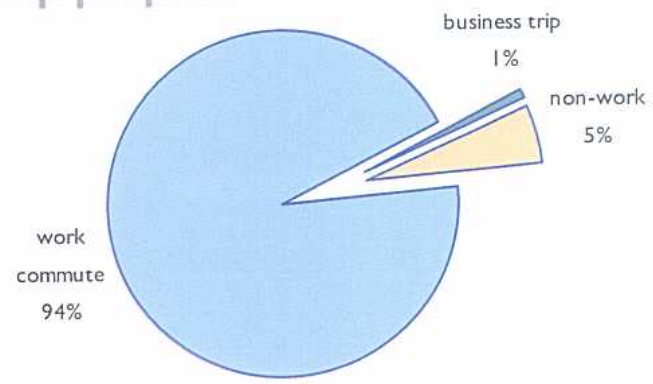
Riverside Line
2007 Weekday Fact Sheet

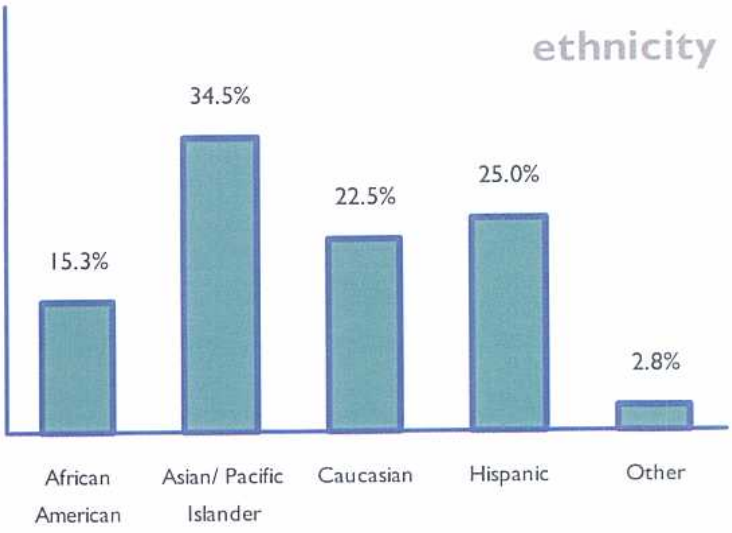
ridership stats

Average weekday ridership (April 2007)	4,942
Average trip length (miles)	37.0
Riders with car available	93.2%
Gender	
Male	46.5%
Female	53.5%
Median household income (2005)	$77,373
Employment status	
Employed (full-time)	92.0%
Employed (part-time)	2.4%
Self-employed	2.8%
Retired	0.4%
Not employed/seeking employment	0.5%
Student (full-time)	1.9%

trip purpose

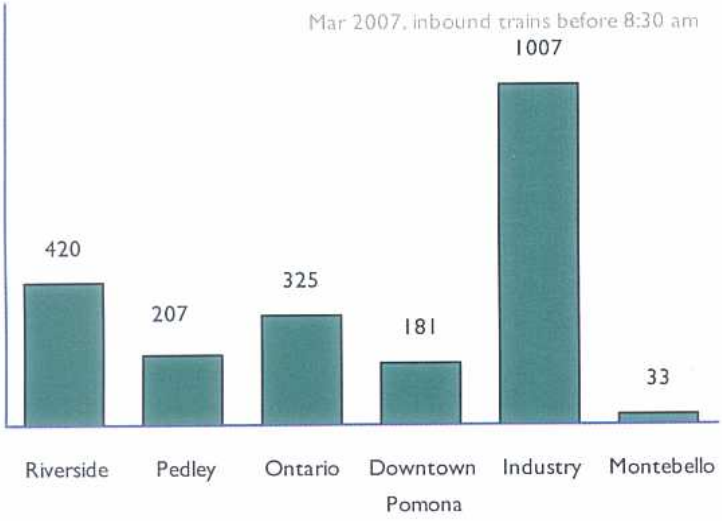


ethnicity

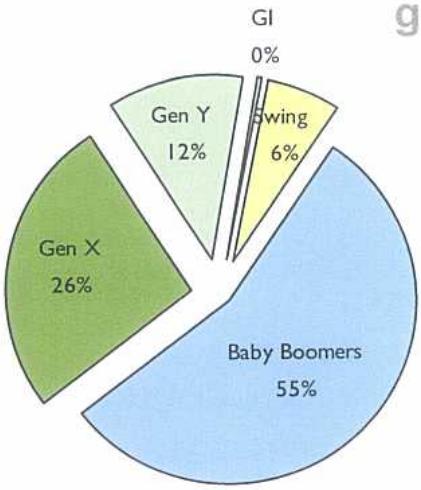


daily station boardings

Mar 2007, inbound trains before 8:30 am



generational segment



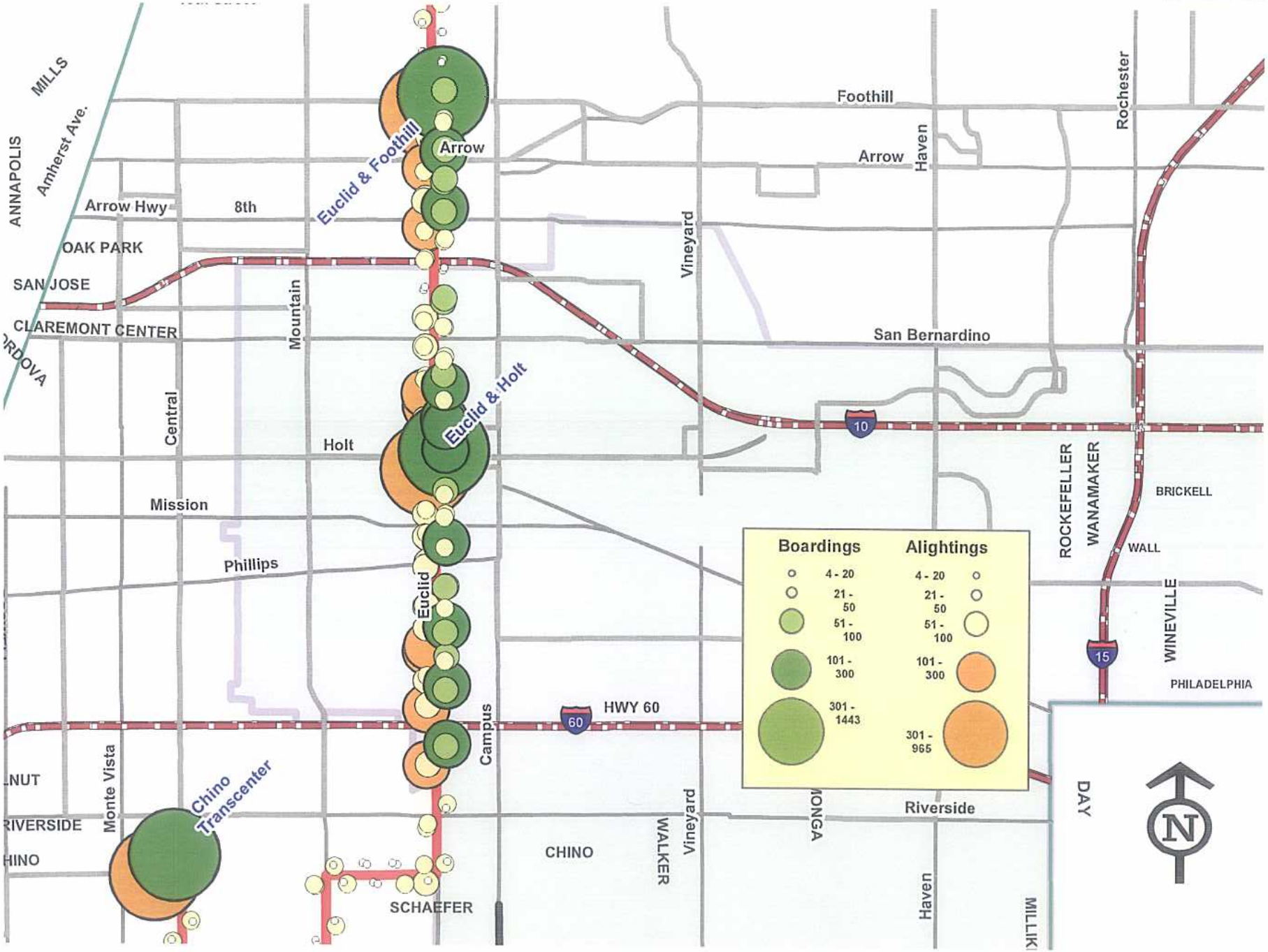
- GI Generation (pre 1933)
- Swing Generation (1933-45)
- Baby Boomers (1946-64)
- Generation X (1965-76)
- Generation Y (1977-94)

SOUTHERN CALIFORNIA'S COMMUTER TRAIN
METROLINK
METRO • OCTA • RCTC • SANBAG • VCTC

Source: Metrolink 2006, 2007

Route 83 Performance by Stop in Ontario

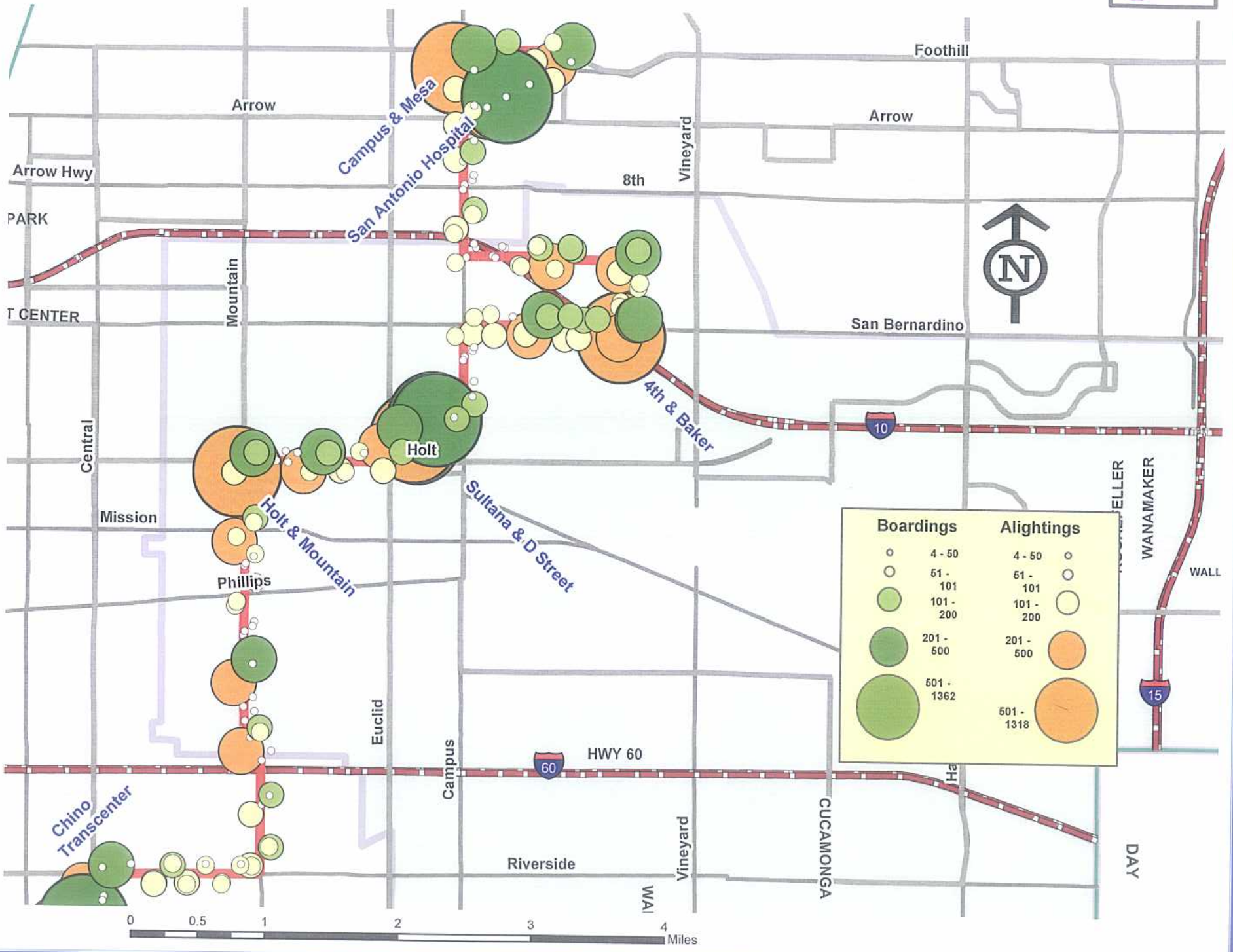
Total Boardings and Alightings Over Three Months (July to October, 2008)



Map generated by Scott Begg
Omnitrans GIS Analyst
from data provided by Omnitrans, 11/24/2008
Desktop \ ROUTE STOP PERFORMANCE DATA
\ ROUTE STOP PERFORMANCE
MAP Route 83 112008 SMALL.mxd

Route 63 Performance by Stop in Ontario

Total Boardings and Alightings Over Three Months (July to October, 2008)



ADA / Access Ridership Patterns in Ontario (from May - June, 2006 ridership study)

Start of Service to 8:00 AM

SITE	Address and Description of Leading Pick Up Sites	# of Pick Ups	# of Individuals	PU / Ind
	PICK UPS			
1	**8825 and 9029 Vernon Avenue, Montclair** (OPARC, Association of Retarded Citizens, 8939 Vernon Ave, #H / #L, Montclair)	3,382	82	41.24
	Address and Description of Leading Drop Off Sites	# of Drop Offs	# of Individuals	DO / Ind
	DROP OFFS			
1	Broad region including **2620 S. Plainfield Drive, 2600 S. Arcadian Shores Road, 3633 Country Oaks Loop Drive,**	610	19	32.11
	and 13250 S. Archibald, in Ontario (Unknown; a significant housing complex in southern Ontario)			
2	Diffuse assembly of drop offs in central Ontario west of the airport including the following addresses: **708 W. Manzanita Court,**	603	27	22.33
	300 E. Francis Street, S. Bonita Place, S. Miramonte Avenue, 1250 S. San Antonio Avenue,			
	1430 S. Pine Avenue, and 1450 S. Pleasant Avenue (unknown, presumed to be residences)			
5	Region bounding **Cucamonga Street, E. Banyan Street, E. Cottonwood Court, S. Del Norte Place, and S. Phoenix**	411	16	25.69
	Place in **southern Ontario** (unknown--part of a large housing complex in former Ag. Preserve in southern Ontario)			
14	**2326 S. Cucamonga Avenue, Ontario** (Salem Christian Homes, Inc. senior/disabled social services, 1056 E. Philadelphia)	163	4	40.75

8:00 AM to 12:00 Noon

SITE	Address and Description of Leading Pick Up Sites	# of Pick Ups	# of Individuals	PU / Ind
	PICK UPS			
3	**1235 E. Francis, and Francis / South Grove intersection, Ontario** (Salem Christian Homes, Inc. at 1056	946	29	32.62
	E. Philadelphia and Ontario Industrial Medical Clinic at 2171 S. Grove Ave. #4)			
5	**609 N. Lemon Avenue, Ontario** (Rolling Start, Inc. Senior / Disabled Social Services, at 609 N. Lemon, #2, Ontario)	795	19	41.84
	Address and Description of Leading Drop Off Sites	# of Drop Offs	# of Individuals	DO / Ind
	DROP OFFS			
3	**2326 S. Cucamonga Avenue, Ontario** (near Salem Christian Homes, Inc., on 1056 E. Philadelphia, Ontario)	363	9	40.33
6	**W. La Deney Dr. and 840 W. 6th Street, Ontario**--within blocks of each other (unknown).	256	7	36.57
11	Region around **1442 E. Cottonwood St., E. Deerfield St. and E Fairfield Ct, and E. Philadelphia St.,**	226	19	11.89
14	**1500 S. Pleasant Avenue, Ontario** (just blocks from the Salvation Army, Ontario Corps--1412 S. Euclid Avenue--and	212	5	42.40
	De Anza Middle School--1450 S. Sultana Avenue.			
19	**226 W. Bonnie Brae Court, Ontario** (unknown)	179	5	35.80
23	**500 N. Humbolt Place, Ontario** (unknown)	164	5	32.80
25	**2032 E. Olive Court, Ontario** (unknown)	160	4	40.00

12:00 Noon to 3:00 PM

SITE	Address and Description of Leading Pick Up Sites	# of Pick Ups	# of Individuals	PU / Ind
	PICK UPS			
1	**W. La Deney Dr. and 840 W. 6th Street, Ontario**--within blocks of each other.	384	10	38.40
3	**2326 S. Cucamonga Ave., Ontario** (near Salem Christian Homes, Inc., on 1056 E. Philadelphia, Ontario)	379	10	37.90
4	**6351 Nantucket Ct., and region of Palm Place and Walnut Avenue in Chino** (near Circle of Friends, Senior / Disabled Social Services, 6349 Lee Ct., Chino)	364	9	40.44
8	**12454 Sycamore Avenue, Chino** (between Jericho Outreach Women's Facility and Family Services and Senior Information and Assistance / JESD / CalWORKSs in Chino and Ontario, respectively)	257	6	42.83
9	**708 W. Manzanita Court, Ontario** (and always at 2:00 or 2:30 PM).	253	6	42.17
10	**13165 Oaks Avenue, Chino** (near Aletheian Christian Foundation Family Services, 12801 N. Oaks Street)	215	5	43.00
11	Another example of clockwork pickups: **2620 S. Arcadian Shores**, every week day, at 2:40 PM, the same five individuals are picked up at this site; apparently a residential site in south Ontario (the former Ag. Preserve)	211	5	42.20
12	**226 W. Bonnie Brae Court, Ontario** (near Chaffey College on 211 W. 5th Street, Ontario)	172	4	43.00
	Address and Description of Leading Drop Off Sites	# of Drop Offs	# of Individuals	DO / Ind
	DROP OFFS			
5	**Mostly around 1235 East Francis Street, Ontario**	1,075	29	37.07
8	**9007 Arrow Route, Rancho Cucamonga**	570	16	35.63
11	Vicinity of **9029 Vernon Avenue, Montclair** (OPARC Association for Retarded Citizens, 8939 Vernon Avenue, Montclair)	300	16	18.75

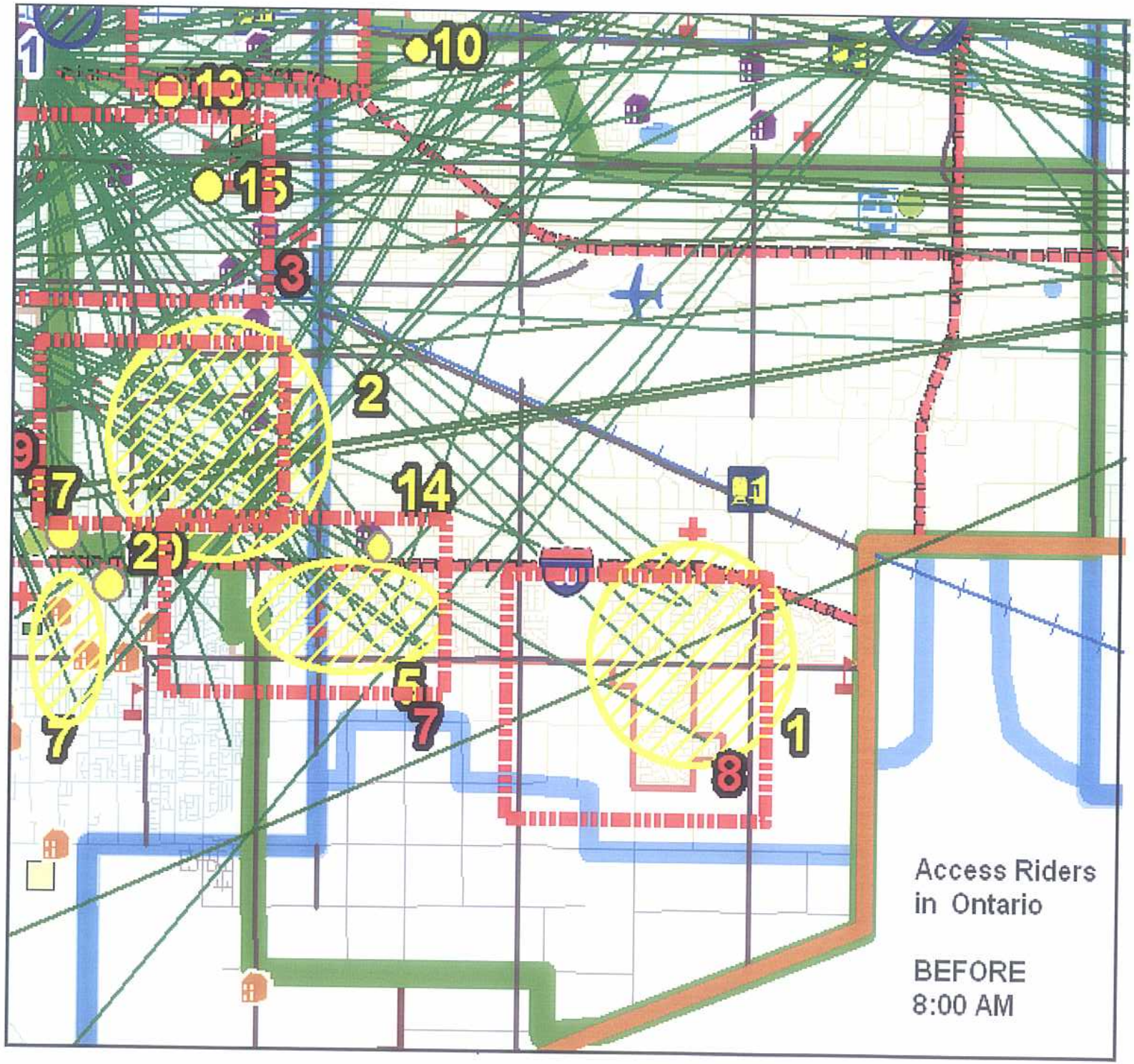
3:00 PM to 6:00 PM

SITE	Address and Description of Leading Pick Up Sites	# of Pick Ups	# of Individuals	PU / Ind
	PICK UPS			
1	**2326 S. Cucamonga Avenue and 2900 S. Del Norte, Ontario** (10 individuals picked up routinely at thes two addresses)	382	10	38.20
5	**600 block of W. I Street and 834 W. H Street, Ontario** (six riders in total always picked up here)	233	6	38.83
8	**2930 S. Del Norte Place, Ontario** (same six riders get picked up here all the time)	221	6	36.83
11	**1813 N. Calaveras Avenue, Ontario** (same four riders are always picked up from here, several blocks from **Joyful Manor 2**).	174	4	43.50
12	**2620 S. Planfield Drive, Ontario** (four riders--the same ones--always picked up here)	174	4	43.50
14	**2032 E. Olive Court, Ontario** (same four riders get picked up here routinely)	169	4	42.25
18	**Oak Glen Avenue and Evart Street, Ontario** (the same five people picked up near this intersection)	154	5	30.80
23	**1700 to 1750 S. Miramonte Avenue, Ontario** (the same three individuals are picked up here...always)	131	3	43.67
24	**9700 N. Benson Avenue in Ontario** (the same four individual always picked up from this address)	123	4	30.75
25	**1420 to 1520 W. Fifth Street, in Ontario** (same six individuals)	123	6	20.50
27	**1130 W. J Street (three individuals are always picked up very near here)**, Ontario.	117	3	39.00

	Address and Description of Leading Drop Off Sites	# of Drop Offs	# of Individuals	DO / Ind
	DROP OFFS			
2	**9029 Vernon Avenue, Montclair** (OPARC, 8939 Vernon #L, Montclair)	1770	44	40.23
9	**4840 Ontario Mills Pkwy** (just outside Mills Circle, Ontario Mills Mall and Ontario Mills stop)	50	5	10.00

From 6:00 PM to End of Service

There are no large concentrations of ADA / Access pick ups or drop offs within Ontario at this time period.


1
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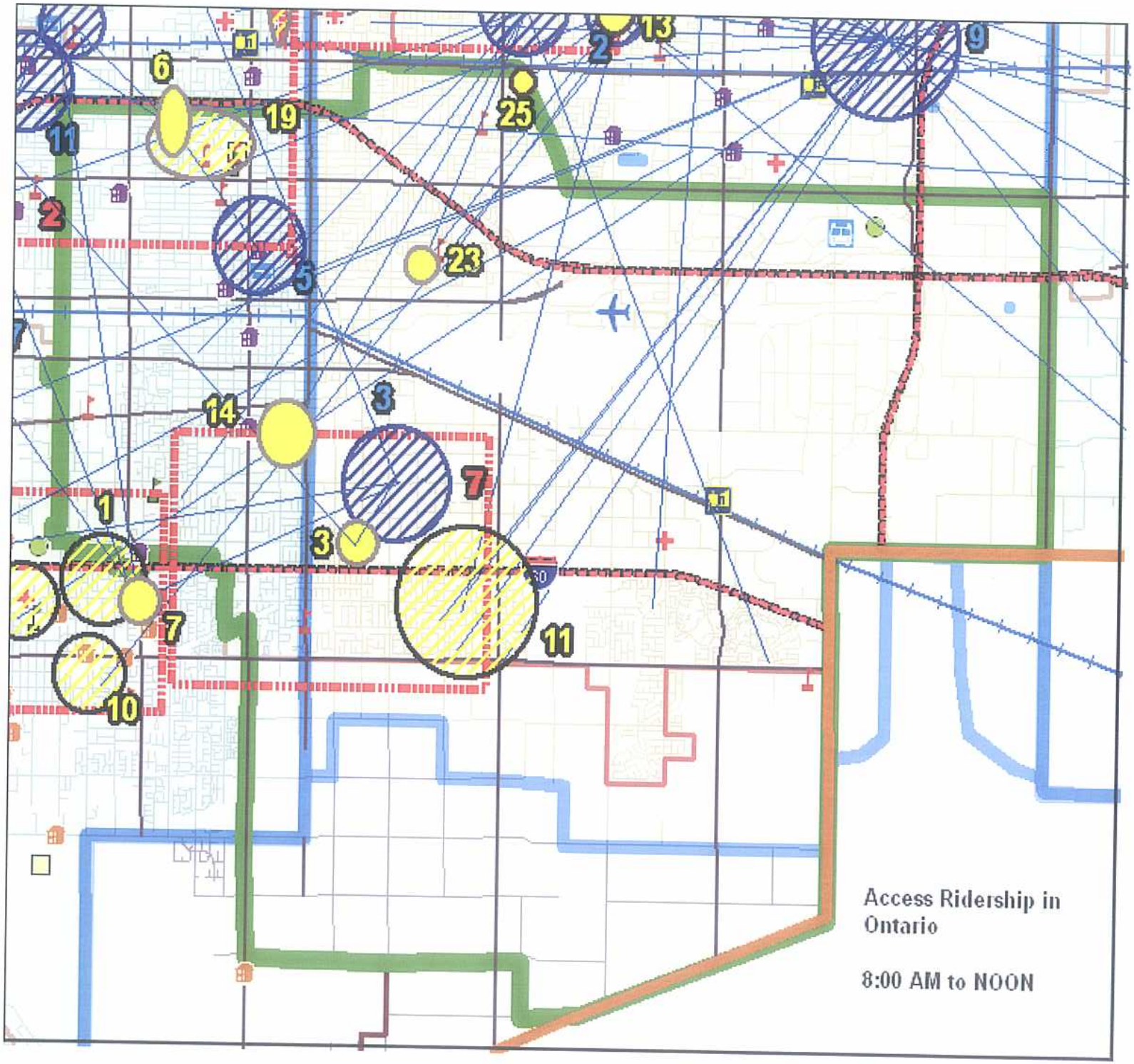
8
Access Riders
in Ontario
BEFORE
8:00 AM


6
19
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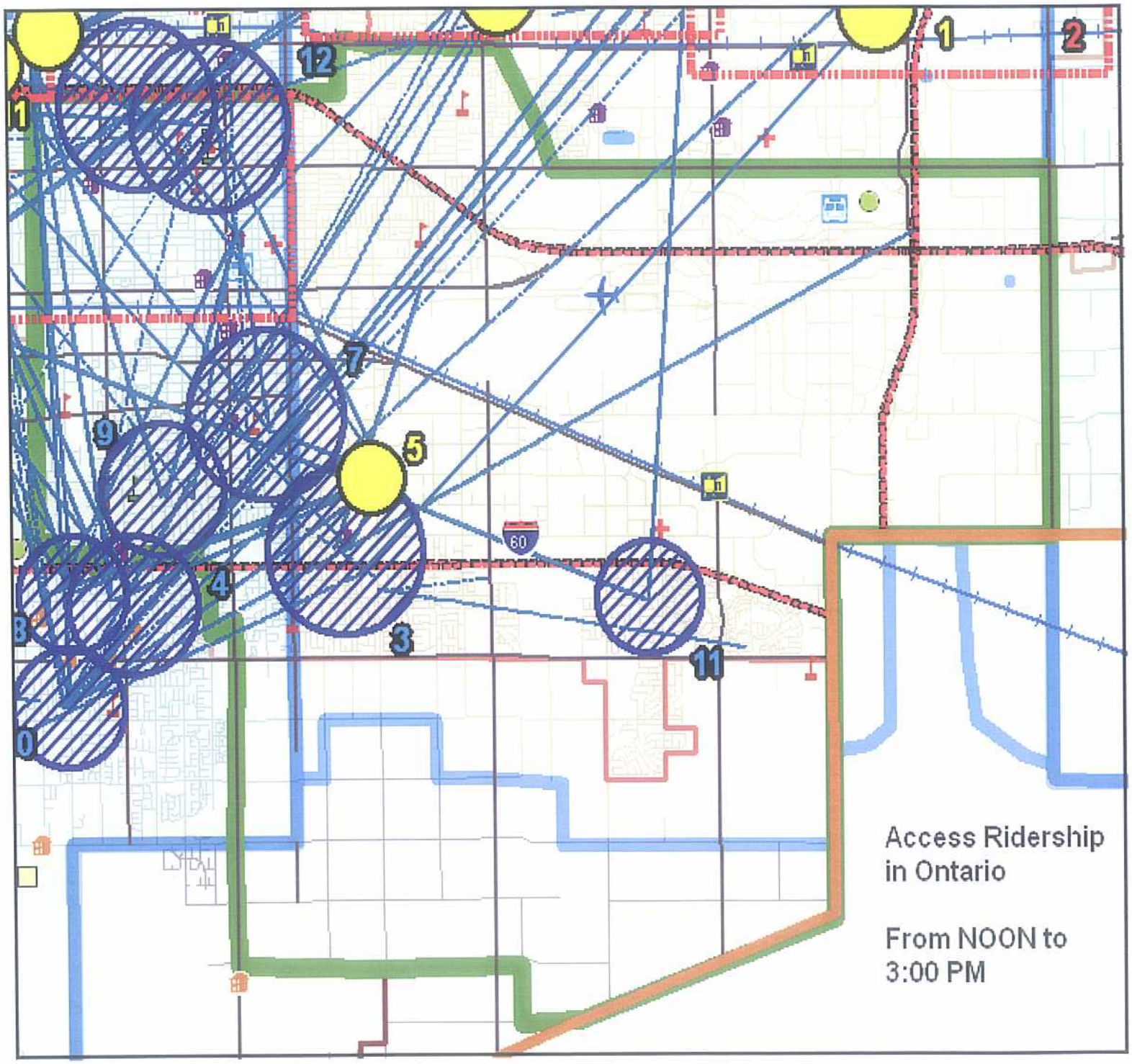
Access Ridership in Ontario
8:00 AM to NOON


12
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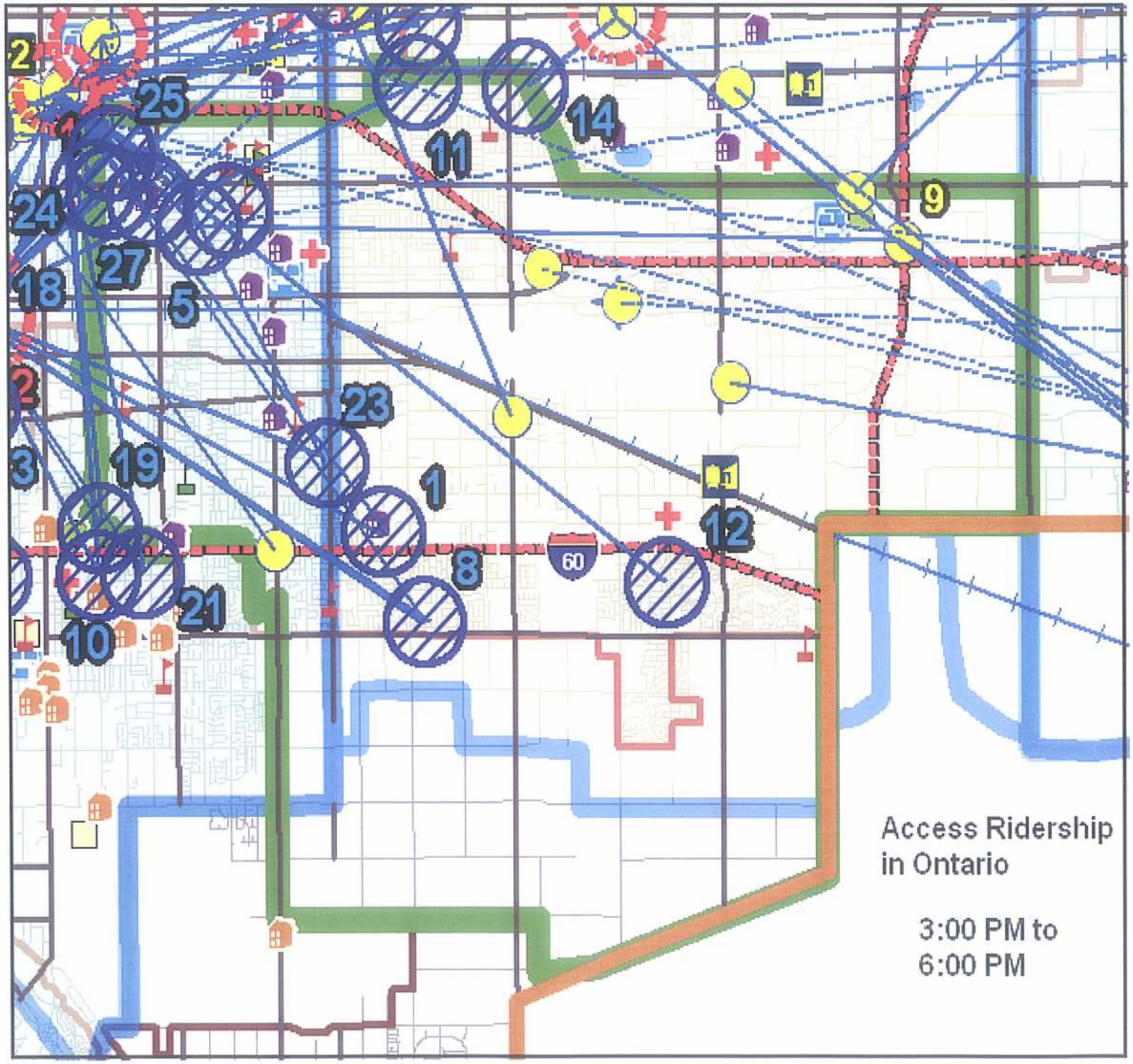
Access Ridership
in Ontario
From NOON to
3:00 PM


2
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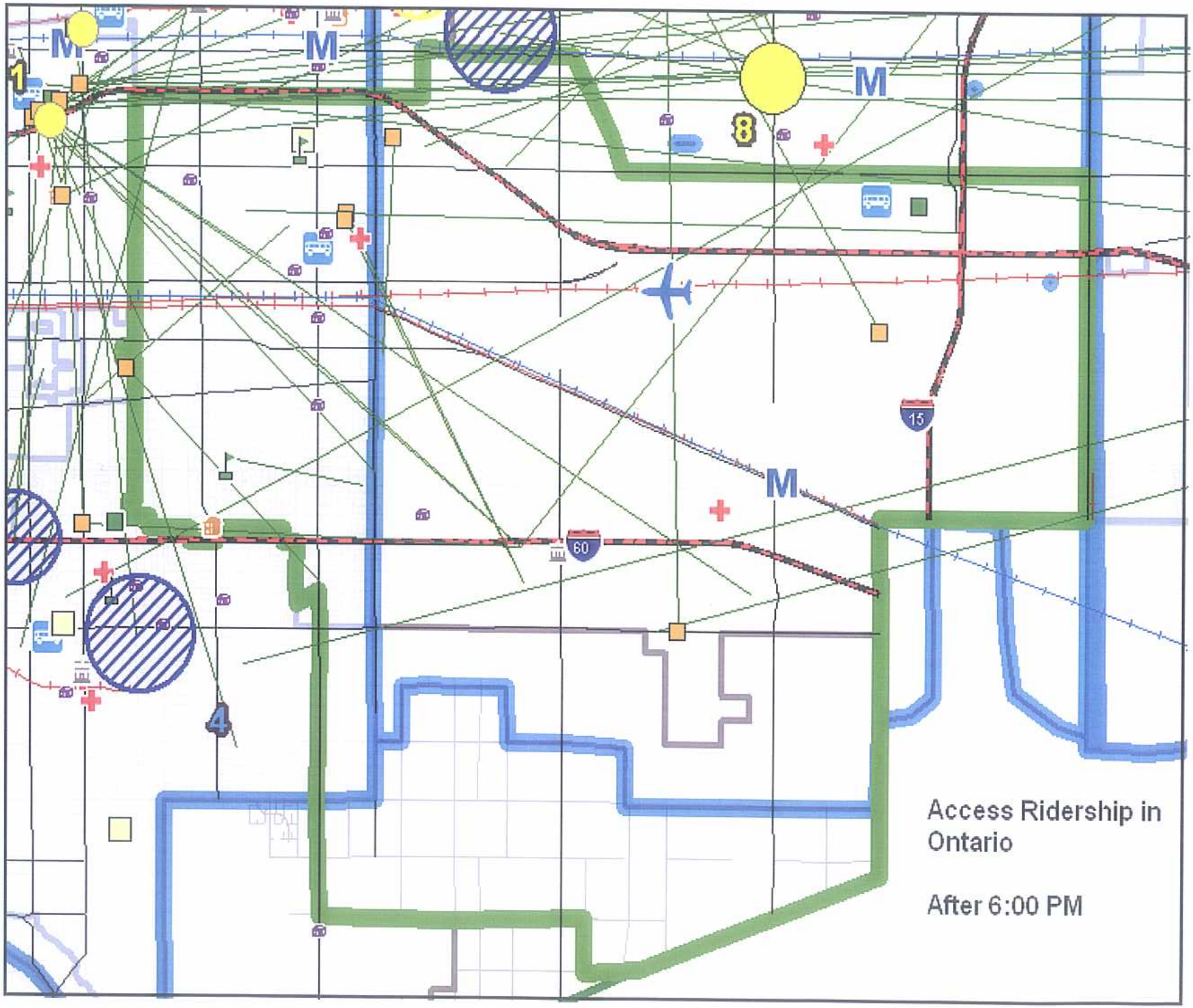
Access Ridership
in Ontario
3:00 PM to
6:00 PM


Access Ridership in Ontario
After 6:00 PM

David Evans and Associates
4200 E. Concours St.
Suite 200
Ontario, CA 91764

Subject: Guasti Plaza Specific Plan Amendment

The proposed project would involve an amendment of the Guasti Plaza Specific Plan, to allow residential development within the specific plan area. A maximum of 500 dwelling units would be allowed in planning area 2 and 3. The density will range from 45-60 units per acre. The residential structures will vary in height from three to five stories.

The Ontario Fire Department expects that the proposed change from office commercial to residential use will affect services delivery. Historical data indicate call volume for service in residential units verses office commercial properties generate significantly higher call volume for service in residential when compared with office commercial properties.

In response to the questions proposed we offer the following information:

1. See attached Ontario Fire Department Fire Program Overview.
2. New station, equipment, or man power for this service area will be continually elevated. Call volume at designated trigger points will necessitate expected increase in service levels.
3. Yes, based on current demand.
4. See attached Ontario Fire Department Fire Program Overview.
5. At this time it is unknown how much adverse impact this modification would have on service delivery. Providing fire protection system (fire sprinklers), area separation, increase access and service, are all typical mitigation measures taken to minimized negative impact.
6. The call volume for service in residential area is typically higher than office commercial area and service capability; In this case the number of residential units being added to the scope of this project could cause call volume to exceed acceptable levels.
7. Current Fire/Building code as adopted by the City of Ontario, 2007 CFC/CBC, condition as stated in Development Advisory Board comments.
8. The Fire Department does anticipate increased call volume in this service area to be consistent with build out. With the state goal to be the next urban center, the city is expected to grow at a rate that will challenge public services. This project will be a contributing factor and it is undetermined to what degree this project will have on the overall public service call volume. Additional factors related to call volume must be known for a more realistic projection on impact. Where call volume exceeds acceptable service levels, adjustment to service delivery capability must be made to maintain minimum acceptable standards.

Floyd E. Clark
Ontario City Fire Department
Deputy Chief/ Fire Marshal
909-395-2586
425 East "B" Street
Ontario, CA 91764
fclark@ci.ontario.ca.us
cc: Richard Ayala, Senior Planner

FIRE PROGRAM OVERVIEW

Purpose: This document is provided to give an overview of the fire program that is provided to the City of Ontario by the Ontario Fire Department. The information is based on data ending December 2007.

Community or Fire Protection Area: **City of Ontario**

County: **San Bernardino** State: **California**

Insurance Service Organization Rating: **Class II**

Fire Department Name: **Ontario Fire Department**

Headquarters address: **425 E. "B" Street, Ontario CA 91764**

Phone: **(909) 395-2002**

Website: **www.ci.ontario.ca.us**

Fire Chief: **Chris Hughes**

I. STAFFING

The Department's minimum daily manning is **forty-two (42)** personnel. This daily manning, per policy, can only be deviated from **three (3) hours** or less, absent exigent circumstances. The minimum amount of personnel on-duty every day is sixteen **(16)** EMT-Paramedics and **twenty-four (24)** EMT-1 personnel.

This manning pattern is provided on a continuous 24/365 basis. The minimum daily deployment level for first response EMS resources is **eight (8)** Medic-Engine Companies, **two (2)** BLS/AED Truck Companies, and **two (2)** Command Companies. Each Medic-Engine Company has **two (2)** state licensed, ICEMA accredited paramedics, and **two (2)** state certified EMT-1/AED personnel. Each Truck Company has **four (4)** AED trained EMT-1's. The total average response time (code 3 and code 2 responses) for paramedic units is, measured in a fractal manner, over 90% of the time in under **ten (10) minutes**.

Specialized units include **one (1)** limited ALS Brush Engine Company, **two (2)** limited ALS equipped Bike Teams, **one (1)** BLS/AED equipped Water Tender, **one (1)** BLS/AED equipped Heavy Rescue Company, **one (1)** Emergency Ordinance Disposal Company (bomb squad), and **one (1)** JPA Hazardous Material Response Unit. The Department also provides ALS support to the Ontario Police Department SWAT team.

Reserve units include **four (4)** reserve ALS equipped Engine Companies, **one (1)** limited ALS equipped Office of Emergency Services (OES) Engine Company, **one (1)** BLS equipped Engine Companies, and **two (2)** BLS equipped Truck Company.

II. GENERAL INFORMATION

1. Population served: **170,373**
   Source of population served data: **State of California Department of Finance**

2. Area Served: **50 square miles**

3. Area Type: **Combination Urban/Suburban/Rural**

III. EMERGENCY MEDICAL SERVICES

What level of Emergency Medical Service (EMS) does your department provide?

Emergency Medical Dispatch (EMD)
Non-Transport, Basic Life Support/AED (EMT-1)
Non-Transport, Advanced Life Support (EMT-P)

Does the Fire Department transport patients? **No**

IV. FIRE DEPARTMENT RESPONSE STATISTICS

1. Type of Fire Department: **Career/Public Safety**

2. Property types in fire protection area?
   Residential
   Commercial
   Light Industry
   Agriculture farming
   Heavy Industry

3. Fire Department operating budget for the past calendar year: **$28,370,777.00**
   By category includes:

   Capital facilities construction expenses? **NO**
   Capital equipment purchases? **YES**
   Capital apparatus purchases? **NO**
   Fringe benefits? **YES**

4. Total number of calls:
   All: **15,031**
   Non-structure fires: **610**
   Structure Fires: **160**
   EMS: **9,037**
   Hazmat: **145**
   Bomb: **23**
   Other: **3,779**

Of the above, how many were Fire Alarm System related:

False alarms: **not specified,** System Malfunction: **1025,** Accidental Alarms: **not specified**

5. Total structure fire loss:

   Property Estimate: **$26,559,270.00**
   Loss: **$2, 949,434.00**

   Contents: **$104,975,691**
   Loss: **$567,246.00**

   Who estimates the loss? **Company Officer & Fire Prevention**
   Do the dollar bill estimates consider: **Both structure & contents**

6. Number of Fire Stations the Fire Department has within the fire protection area: **8**

7. Number of companies that have:
   0-999 calls per year: **3- T-138, B-1815, B-1825**
   1000-1999 calls per year: **5- ME-133, ME-136, ME-137, T-131, I-1850**
   2000-2999 calls per year: **5- ME-131, ME-132, ME-134, ME-135, ME-138**
   3000-3999 calls per year: **0**
   4000 calls or more calls per year: **0**

8. Total number of personnel (past calendar year): Paid: **149**, Volunteer: **0**, Uniformed: **155**, Paid Call: **0**, Civilian/Support: **14**

9. Minimum staffing per shift: **43 (40 Suppression, 2 Chief Officers & 1 Investigator)**

10. Minimum staffing per apparatus:
    Engine Pumpers: **4** Total number of Engine Pumpers: **12**
    Ladder Trucks: **4** Total number of Ladder Trucks: **3**
    Quints: **0** Total number of Quints: **0**
    Heavy Rescue Squads: **(2)** Total number of Heavy Rescue Squads: **1**
    Ambulances: **0** Total number of Ambulances: **0**

11. Indicate the work schedule (hours per week) used for operation line suppression personnel? **56 hrs/week**

12. Indicate the shift schedule for the operation of line suppression personnel?
    Other: Kelly with 4/6 rotating days off.

13. Number of firefighting injuries occurring in the line of duty during the last calendar year? **31**
14. Number of firefighting injuries during the last calendar year? **31**

15. Number of firefighting deaths occurring in the line of duty for last calendar year? **0**

16. Number of civilian fire deaths occurring during the last calendar year? **1**

17. Please indicate the following response time information:
Alarm processing time: **90 seconds or less, 90% of the time**
Average turnout time: **Not recorded**
Average response time: **10 minutes or less, 90% of the time**
Average response time for 1st arriving unit: **10 minutes or less 90% of the time***
Average response time for 2nd arriving suppression unit: **10 minutes or less 90% of the time***

*** = From receipt of alarm at Fire Dispatch center.**

18. Minimum number of apparatus responding to a fire:

	Engines	Ladder Trucks	Chiefs	Other *	Total
Dwelling	**2**	**1**	**1**	**1-3**	**14-17**
Commercial	**3**	**1**	**1**	**1-3**	**18-21**
Industrial	**3**	**1**	**1**	**1-3**	**18-21**
Hospital	**3**	**1**	**1**	**1-3**	**18-21**
High-rise	**4**	**1**	**1**	**1-3**	**22-25**
Airport	**4**	**2**	**1**	**1-3**	**26-29**

* = Investigator, Training Officer & EMS Coordinator

19. Is there a service test from draft performed for your pumpers on a regular basis? Yes.
If yes, how many minutes is this conducted? **20 minutes at capacity per NFPA Standards**

20. Is there an operational load-test performed on your aerial apparatus on a regular basis? **YES**
If yes, who performs the test? **Underwriter's Laboratory**

21. Is there a non-destructive test performed on your aerial apparatus on a regular basis? **Yes.**
If yes, who performs the test? **Underwriter's Laboratories.**

22. Is your hose service tested? **Yes**
If yes, list the last 3 dates (years) that the hose was tested? **2001, 2002, 2003**
What pressure is hose tested to? **350 psi @ 5 minutes**
If you have large diameter hose, what pressure is this hosed tested to? **200 psi @ 5 minutes**

V. AUTOMATIC AID & AGREEMENTS

1. Does your community receive any first alarm automatic-aid from any fire department that are located outside your area? **YES.** If yes, please provide the following:

Fire Department(s) station providing coverage:

Chino Valley Fire Protection District: FS 63, FS 65
Montclair Fire Department: FS 151, FS 152
Upland Fire Department: FS 161
Rancho Cucamonga Fire Department: FS 172, FS 174
San Bernardino Co. Fire Department- Central Valley Battalion: FS 74, FS 72
Ontario Airport Fire Department: FS 150

2. Is the assistance received on a 24-hour basis: **Yes**

3. Is there a contractual agreement for the assistance? **Yes, there is an automatic-aid agreement for surrounding cities and a mutual-aid agreement with the Operational Area and State of California.**

IV. TRAINING

1. Do you have any, or use any of the following training facilities?
   Structural burn building: **Yes**
   Drill tower: **Yes**

2. How often are these facilities used? **Daily, weekly, monthly.**
   Who operates this facility? **Ontario Fire Department Training Division**

3. What is the average number of training per year that each firefighter member of your department receives? **300**

DEVELOPMENT REQUIREMENTS

The Ontario Fire Department has adopted the 2006 International Fire Code and the 2007 California Fire Code. All fire protection devices such as sprinklers, alarms, etc. should be constructed to these codes. Ontario Fire Department standards may be obtained from the City of Ontario's website at www.ci.ontario.ca.us (Fire Department > Forms).

I. WATER SUPPLY

1. Does your fire department have fire hydrants connected to a public water system? **Yes**

   If yes, who owns and operates the water system: **City of Ontario Public Works Department**

2. Does your fire protection area have dry hydrants or suction points? **No**

3. How often are fire hydrants flushed and inspected? **Inspected annually & flushed as needed by City of Ontario Public Works department.**

4. Major changes to the water system in past 5 years:
   Significant addition of water lines: Yes, see City of Ontario Public Works Master Plan.

   Number of additional hydrants installed: **On-file with Water Department**

   Significant addition of water storage capacity: Yes, capacity added: **9 Million gallons.**

5. Please provide results of any Hydrant Flow Tests in past 5 years: **Flow tests are provided project specific per fee schedule.**

6. Please provide a current Community Hydrant map: Is one enclosed? **No, upon request.**

7. Hydrant Map can be obtained from: **Public – Ontario Public Works, Private – Ontario Fire Prevention Bureau**

8. Flow Tests can be obtained from: **Ontario Bureau of Fire Prevention @ 909-395-2562.**

II. FIRE ALARM COMMUNICATIONS

1. Emergency Phone Number: **Enhanced 911**

2. Phone calls are to report a fire received and dispatched- Briefly describe:

   911 calls received by Ontario Communications and transferred to Fire Department console for processing; Ontario Communications is a combined primary & secondary PSAP.

3. How many fire alarm dispatch personnel are normally on-duty to receive fire calls: **3 personnel; may utilize cross-trained PD dispatchers in times of high volume.**

4. Fire Department members notified of a fire alarm:

   Fire Station CAD printers, Fire Station Radio, 900 Pager, Fire Station voice alarm, & Mobile Data Computer (MDC).

FIRE STATION INFORMATION SHEET

Fire Station: 131	**Address**: 425 E. "B" Street x Sultana			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-131	**4**	**2**	**2**	**YES**
T-131	**4**	**-**	**4**	**YES**
B-1815	**1**	**-**	**-**	**YES**
I-1850	**1**	**-**	**-**	**YES**
EOD-131	**(2) ***	**-**	**-**	**YES**
U-131	**(1) ***	**-**	**-**	**YES**
T-131R	**(4) ***	**-**	**-**	**TRAINING**
Fire Station: 132	**Address**: 544 W. Francis Street x San Antonio			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-132	**4**	**2**	**2**	**YES**
OES-342	**(4) ***	**-**	**-**	**YES**
Fire Station: 133	**Address**: 1408 E. Francis Street x Parco			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-133	**4**	**2**	**2**	**YES**
WT-133	**(2) ***	**-**	**-**	**YES**
T-133R	**(4)**	**-**	**-**	**RESERVE**
E-133R	**(4)**	**-**		**RESERVE**
Fire Station: 134	**Address**: 1005 N. Mountain Avenue x 4th Street			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-134	**4**	**2**	**2**	**YES**
E-134R	**(4)**	**-**	**-**	**RESERVE**
Fire Station: 135	**Address**: 1530 E. 4th Street x I-10 Freeway			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-135	**4**	**2**	**2**	**YES**
E-135R	**(4)**	**-**	**-**	**RESERVE**
Fire Station: 136	**Address**: 2931 E. Philadelphia Street x Turner Avenue			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-136	**4**	**2**	**2**	**YES**
B-1825	**1**	**-**	**-**	**YES**
BE-136	**(4) ***	**-**	**-**	**YES**
E-136R	**(4)**	**-**	**-**	**RESERVE**
Fire Station: 137	**Address**: 4901 E. Vanderbilt Street x Auto Center Drive			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-137	**4**	**2**	**2**	**YES**
T-139R	**(4)**	**-**	**-**	**RESERVE**
E-137R	**(4)**	**-**	**-**	**RESERVE**
Fire Station: 138	**Address**: 3429 E. Shelby Avenue x Lotus Avenue			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-138	**4**	**2**	**2**	**YES**
T-138	**4**	**-**	**4**	**YES**
HR-138	**(2) ***	**-**	**-**	**YES**
U-138	**(1) ***	**-**	**-**	**YES**

*** = indicates cross-staffed with on-duty personnel**
( ) = indicates unit personnel capacity

ENGINE/PUMPER INFORMATION SHEET

Unit #: ME-131/012		**Year Built:** 2005		**Chassis/Make:** American LaFrance				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

Unit #: ME-132/009		**Year Built:** 2005		**Chassis/Make:** American La France				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

Unit #: ME-133/014		**Year Built:** 2007		**Chassis/Make:** American LaFrance				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

Unit #: ME-134/010		**Year Built:** 2005		**Chassis/Make:** American LaFrance				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

Unit #: ME-135/013		**Year Built:** 2007		**Chassis/Make:** American LaFrance				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

Unit #: ME-136/006		**Year Built:** 1999		**Chassis/Make:** K.M.E.				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

Unit #: ME-137/011		**Year Built:** 2005		**Chassis/Make:** American LaFrance				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

Unit #: ME-138/008		**Year Built:** 1999		**Chassis/Make:** K.M.E.				
Pump Size (GPM): 1750			**Water Tank Size:** 500			**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**X**	**Reserve**

ENGINE/PUMPER INFORMATION SHEET (con't)

Unit #: OES 2342	**Year Built:** 2008	**Chassis/Make:** Ford Westar						
Pump Size (GPM): 1250		**Water Tank Size:** 750				**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**Reserve**	**X**

Unit #: E-133R/002	**Year Built:** 1995	**Chassis/Make:** KME						
Pump Size (GPM): 1750		**Water Tank Size:** 500				**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	2 ½"	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**Reserve**	**X**

Unit #: E-134R/003	**Year Built:** 1995	**Chassis/Make:** Freightliner/K.M.E.						
Pump Size (GPM): 1500		**Water Tank Size:** 500				**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**Reserve**	**X**

Unit #: E-135R/001	**Year Built:** 1993	**Chassis/Make:** KME						
Pump Size (GPM): 1500		**Water Tank Size:** 500				**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**Reserve**	**X**

Unit #: E-136R/004	**Year Built:** 1995	**Chassis/Make:** Freightliner/K.M.E.						
Pump Size (GPM): 1500		**Water Tank Size:** 500				**Monitor (GPM):** 1000		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
200	200	400	N/A	1100	N/A	N/A	800	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**Reserve**	**X**

OTHER FIRE APPARATUS

Unit #: WT-133/033	**Year Built:** 2001	**Chassis/Make:** KME/International						
Pump Size (GPM): 500		**Water Tank Size:** 3000				**Monitor (GPM):** 500		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
400	2000	100	N/A	500	N/A	N/A	20	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**Reserve**	**X**

Unit #: BE-136/036	**Year Built:** 2001	**Chassis/Make:** KME/International						
Pump Size (GPM): 750		**Water Tank Size:** 1500				**Monitor (GPM):** 500		
1"	**1 ½"**	**1 ¾"**	**2"**	**2 ½"**	**3"**	**3 ½"**	**4"**	**5"**
400	2000	100	N/A	500	N/A	N/A	20	N/A
Last Three Years of Service Tests from Draft: 2001, 2000, 1999						**Frontline**	**Reserve**	**X**

AERIAL LADDERS/PLATFORMS INFORMATION SHEET

Unit #: T-131/0253	**Year Built:** 2007	**Chassis/Make:** AML/LTI	**# B/A Masks:** 4
Type: Ladder	**Length:** 100 FT	**Pump Size:** N/A	**Water Tank:** N/A
Dates of Last 3 operational Load Tests: 2007			**Last Aerial Test:** 2007
Front-Line X **Reserve:**		**Manning:** 4	

Unit #: T-138/252	**Year Built:** 2006	**Chassis/Make:** LTI Duplex	**# B/A Masks:** 4
Type: Platform	**Length:** 100 FT	**Pump Size:** N/A	**Water Tank:** N/A
Dates of Last 3 operational Load Tests: 2006, 2007			**Last Aerial Test:** 2007
Front-Line X **Reserve:**		**Manning:** 4	

Unit #: T-133R/251	**Year Built:** 1996	**Chassis/Make:** KME/LTI	**# B/A Masks:** 4
Type: Ladder	**Length:** 100 FT	**Pump Size:** N/A	**Water Tank:** N/A
Dates of Last 3 operational Load Tests: 2000, 1998, 1996			**Last Aerial Test:** 2000
Front-Line **Reserve:** X		**Manning:** 4	

Unit #: T-139R/251	**Year Built:** 2007	**Chassis/Make:** AML/LTI	**# B/A Masks:** 4
Type: Ladder	**Length:** 100 FT	**Pump Size:** N/A	**Water Tank:** N/A
Dates of Last 3 operational Load Tests: 2007			**Last Aerial Test:** 2007
Front-Line **Reserve:** X		**Manning:** 4	

LIST OF UNIT MAKE & LICENSE NUMBERS

ENGINES- TYPE 1				
UNIT	**YEAR**	**MAKE**	**LICENSE**	**GPM**
012/ME-131	2005	AMERICAN LAFRANCE *	E1223113	1750
009/ME-132	2005	AMERICAN LAFRANCE *	E1198693	1750
014/ME-133	2007	AMERICAN LAFRANCE *	E1271870	1750
010/ME-134	2005	AMERICAN LAFRANCE *	E1198692	1750
013/ME-135	2007	AMERICAN LAFRANCE *	E1271869	1750
006/ME-136	1999	K.M.E.*	E1021993	1750
011/ME-137	2005	AMERICAN LAFRANCE *	E1223114	1750
008/ME-138	1999	K.M.E.*	E1021994	1750
342/OES-342	2008	H.M.E.	E128063	1250
229/OES-229	1988	FORD WESTAR*	E436148	1000
001/RESERVE	1993	K.M.E.*	E338056	1750
002/RESERVE	1995	K.M.E.*	E019651	1750
003/RESERVE	1995	FREIGHTLINER/K.M.E.*	E019652	1500
004/RESERVE	1995	FREIGHTLINER/K.M.E.*	E019653	1500
067/RESERVE	1984	EMERGENCY ONE*	E488025	1500
WATER TENDER- TYPE 1				
0033/WT-133	2001	INTERNATIONAL/KME* 3000 GAL	E1067647	500 GPM
BRUSH ENGINE- TYPE 3				
0036/BE-136	2001	INTERNATIONAL/KME* 750 GAL	E1067648	500 GPM
HEAVY RESCUE- TYPE 2				
0037/HR-138	2006	AMERICAN LAFRANCE *	E1254765	------
0085/U-138	2002	CHEVROLET P/U 1 TON 3500*	E1083429	------
SUPPORT				
0091	2007	CHEVY SUBURBAN/SUV 4x4	E1278228	B-1815
0083	2002	CHEVY SUBURBAN/SUV 4x4	E1130597	B-1815R
0092	2007	CHEVY SUBURBAN/SUV 4x4	E1130562	B-1825
0082	2002	CHEVY SUBURBAN/SUV 4x4	E1130562	B-1825R
0084	2002	CHEVY ½ TON PICK-UP*	E1130524	U-131
0766	2006	MERCURY SEDAN	E5PCR330	C-1800
0763	2004	FORD SEDAN	E1083474	DC-1801
0086	2006	CHEVY TRAILBLAZER/SUV	E1192729	DC-1802
0761	2003	FORD SEDAN	E1140429	DC-1803
0088	2006	CHEVY TRAILBLAZER/SUV 4x4	E1229511	T-1820
0090	2006	CHEVY TRAILBLAZER/SUV 4x4	E1229510	T-1821
0089	2006	CHEVY TRAILBLAZER/SUV 4x4	E1229509	T-1822
0087	2006	CHEVY TRAILBLAZER/SUV	E1192828	P-1851

Battalion 1 Manning & Staffing

Fire Station: 131	**Address**: 425 East "B" Street x Sultana			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-131 (SACH)	**4**	**2**	**2**	**YES**
T-131	**4**	**-**	**4**	**YES**
B-1815	**1**	**-**	**-**	**YES**
I-1850	**1**	**-**	**-**	**YES**
EOD-131	**(2)**	**Varies**	**Varies**	**CROSS STAFF**
U-131	**(2)**	**Varies**	**Varies**	**CROSS STAFF**

Fire Station: 132	**Address**: 544 West Francis Street x San Antonio			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-132 (CVMC)	**4**	**2**	**2**	**YES**
OES-342 Limited ALS	**(4)**	**(2)**	**(2)**	**CROSS STAFF**

Fire Station: 134	**Address**: 1005 N. Mountain Avenue x 4th Street			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-134 (CVMC)	**4**	**2**	**2**	**YES**
E-134A (PM Reserve)	**(4)**	**(2)**	**(2)**	**RECALL**

Fire Station: 135	**Address**: 1530 East 4th Street x I-10 Freeway			
UNIT	**MANNING**	**EMT-P**	**EMT-1**	**24 HR**
ME-135 (SACH)	**4**	**2**	**2**	**YES**
E-135A (PM Reserve)	**(4)**	**(2)**	**(2)**	**RECALL**

Battalion II Manning & Staffing

Fire Station: 133	Address: 1408 East Francis Street x Parco			
UNIT	MANNING	EMT-P	EMT-1	24 HR
ME-133 (CVMC)	4	2	2	YES
WT-133	(2)	Varies	Varies	CROSS STAFF
E-133A (PM Reserve)	(4)	(2)	(2)	RECALL
T-133A	(4)	(2)	(2)	RECALL

Fire Station: 136	Address: 2931 East Philadelphia Street x Turner Avenue			
UNIT	MANNING	EMT-P	EMT-1	24 HR
ME-136 (CVMC)	4	2	2	YES
B-1825	1	-	-	YES
BE-136 Limited ALS	(4)	(2)	(2)	CROSS STAFF
E-136R (PM Reserve)	(4)	(2)	(2)	RECALL

Fire Station: 137	Address: 4901 East Vanderbilt x Auto Center Drive			
UNIT	MANNING	EMT-P	EMT-1	24 HR
ME-137 (SACH)	4	2	2	YES
ME-137A	(4)	Varies	Varies	RECALL
T-139A	(4)	-	(4)	RECALL

Fire Station: 138	Address: 3429 East Shelby Avenue x Lotus Avenue			
UNIT	MANNING	EMT-P	EMT-1	24 HR
ME-138 (SACH)	4	2	2	YES
T-138	4	-	4	YES
HR-138	(2)	Varies	Varies	CROSS STAFF
U-138	(2)	Varies	Varies	-

( ) = indicates reserve unit personnel capacity
Shaded = reflects minimum manning

CITY OF ONTARIO

PUBLIC WORKS AND
COMMUNITY SERVICES AGENCY

ONTARIO CITY LIBRARY

PAUL S. LEON
MAYOR

JIM W. BOWMAN
MAYOR PRO TEM

ALAN D. WAPNER
SHEILA MAUTZ
DEBRA DORST-PORADA
COUNCIL MEMBERS

GREGORY C. DEVEREAUX
CITY MANAGER

MARY E. WIRTES, MMC
CITY CLERK

JAMES R. MILHISER
TREASURER

KENNETH L. JESKE
PUBLIC WORKS / COMMUNITY
SERVICES DIRECTOR

Response to Guasti Plaza Specific Plan Amendment
Potential impacts on library services.
12/15/08

1. Ontario City Library
   215 E. C Street
   Ontario, CA 91764

   Colony High Branch Library
   3850 E. Riverside Drive
   Ontario, CA 91761

2. Main Library
   Staff: FT 32 PT 31
   Book Volumes 154,000
   Facilities: 58,000 sq. ft. library in Ontario Civic Center
   Programs: weekly programs for all ages

   Branch Library
   Staff: FT 3 PT 7
   Facilities: 14,000 sq. ft. library on Colony High School campus
   Programs: weekly programs for all ages

3. The Library does not have set service standards.

4. The Library doesn't track use by patron type. The Main Library door count for FY07/08 was 472,723 and the Branch Library door count was 178,972. We consider the Branch area to serve 25 – 30% of the population.

5. The Library is funded through the City of Ontario General Fund.

6. As more projects occur and the population in the south and east of Ontario increases, we anticipate that there will be an increase in the use of both the Main and Branch libraries. It is likely that an additional branch library will be necessary.

1. Please indicate the address and acreage of parks and recreational facilities located near the project area within the City of Ontario.

   - Ontario Motor Speedway Park – 6 Acres, North Central Ave.
   - Guasti Regional Park – 150 Acres, 800 N. Archibald Ave.

2. Please provide information on facilities and programs available at the parks which would serve the project site.

   - Ontario Motor Speedway Park – Ontario City Park

     a. Open multi-use turf area – Softball fields (2)
     b. Restrooms
     c. Picnic area/barbecues
     d. Tot lot

   - Guasti Regional Park – Fee based/day use park operated by San Bernardino County

     a. Swim lagoon
     b. Fishing (2 lakes)
     c. Pedal boat/aqua cycle rental
     d. Snack bar
     e. Playground
     f. Volleyball courts
     g. Horseshoe pits
     h. Picnic areas
     i. Restrooms

3. Does the City have a parkland standard or goal in terms of acreage per thousand population, distance to parks, facilities, etc.? What are they?

   See General Plan pages 6-12 through 6-13, attached.

4. How can we estimate demand for parks and recreational facilities from the proposed multi-family residential uses? Is there a way to compare the residential demand with the demand from formerly planned office uses?

   - The park demand would be based upon the General Plan rate of 5 acres of parklands per 1000 population.

   - No park demand was previously assessed to the formerly planned commercial/office uses.

5. What on-site recreational and open space requirements would be imposed on future residential uses?

The private, on-site recreation/open space requirements required by the City's Development Code are as follows:

A. Quantity. Table 14-3 (Open Space Requirements for Multiple Family Developments) establishes the minimum amount of open space area to be provided on a per unit basis, including private open space, for the exclusive use of a dwelling's occupant and common open space for the enjoyment of all residents of a development complex;

1. Common Open space features include, but are not limited to, landscaping, picnic/barbecue areas, pools and spas, tennis/sport courts, clubhouse, tot lots/playgrounds, paseos and trails;

2. Private open space features include fenced yard/patio areas and balconies.

Table 14-3: Open Space Requirements for Multiple Family Developments

Open Space Type	***Zoning Districts***		
	R1.5	***R2***	***R3***
Private Open Space (in SF):	150	150	100
Common Open Space (in SF):	250	250	250

B. Recreation facilities requirements. On-site recreation facilities shall be provided pursuant to Table 14-4 (Minimum Common Recreation Facilities for Multiple Family Developments). For the purpose of this provision, recreational amenities shall be categorized as follows:

1. Major recreation facilities. A major recreation facility is intended to be a significant recreation node or focal point for residents, and include recreation buildings, swimming pools, tennis courts, basket ball courts, child care facilities and other such amenities requiring significant investment and appropriate to serve project residents, as determined by the City.

2. Minor recreation facilities. A minor recreation facility is intended to augment the variety and availability of recreation facilities, and include children's play areas, spas or saunas, picnic and barbecue areas, volley ball courts and other such amenities requiring significant investment and appropriate to serve project residents, as determined by the City.

Table 14-4: Minimum Common Recreation Facilities for Multiple Family Developments

Type	***Fewer Than 10***	***10-25***	***26-100***	***101-150***	***151-200***	***201-250***	***251-300***	***301+***
Major Facilities:	0	1	1	1	2	2	3	One/100 Dwellings

Type	*Fewer Than 10*	*10-25*	*26-100*	*101-150*	*151-200*	*201-250*	*251-300*	*301+*
Minor Facilities:	1	0	1	2	2	3	3	One/50 Dwellings

C. Standards. The following standards govern the placement and location of private and public open space:

1. At least one-half (½) of the required open space area must be provided at the ground level, not including front yard setbacks, and not more than one-half (½) of the open space requirement is to be satisfied by balconies or roof decks;

2. Common open space shall have a minimum contiguous area of 300 SF with no dimension less than 15 FT in any direction.

3. Private open space located at ground level shall have a minimum contiguous area of one hundred and fifty 150 SF in area with no dimension less than 10 FT in any direction. Open space located on roof decks or balconies must have a minimum contiguous area of 50 SF in area and a minimum dimension of 5 FT in any one direction;

4. All required ground floor open spaces shall be planted with permanent landscaping or be devoted to recreational facilities, such as swimming pools, tennis courts, tot lots, patios or similar open space and/or recreational facilities;

5. Common and private open spaces are to be permanently maintained in an orderly fashion;

6. Private, ground level open space on the street side of a structure is to be suitably screened from the streets by a fence, densely planted shrub, or combination of both;

7. Parking areas, driveways or service areas shall not be counted in the minimum open space requirement.

6. Does the City require the provision of parkland acreage with new residential development or other types of development? If yes, what are these requirements? Are fees accepted in lieu of land dedication?

The City does not require the dedication of parklands with new residential development. The payment of the park development impact fee is required at the following rates:

- Single Family—Detached Dwelling: $8965/DU
- Single Family—Attached Dwelling: $7353/DU

- Multiple Family Dwelling: $7507/DU
- Mobile Home Dwelling: 5989/DU

7. Does the Parks Department anticipate or expect any long-term (10-year, 20-year, 30-year or longer) impacts associated with the provision of parks and recreational services due to anticipated development within the City? If so, please describe the nature of these impacts and how this project may contribute to those impacts.

   No long-term impacts anticipated at this time.

CITY OF ONTARIO
MEMORANDUM

TO: **Richard Ayala, Senior Planner**

FROM: **Patrick Sandford, Detective**

DATE: **December 30, 2008**

SUBJECT: **OMGUASTI EIR**

The Police Department has received a request for information from David Evans and Associates. Attached is their letter. Listed below are the answers to their questions. Could you please forward this information?

The City of Ontario Police Department receives all calls at the main station located at 2500 S. Archibald Avenue. The Ontario Police Department has a mutual aid agreement with all adjacent cities as a primary resource and the County of San Bernardino Sheriff's Department as a secondary resource.

The mission of the Ontario Police Department is to protect life and property, solve neighborhood problems, and enhance the quality of life in our community. This is accomplished by providing superior police services while fostering successful community partnerships. The dedicated full-time staff of 231 sworn law enforcement personnel and 116 non-sworn civilian support personnel are committed to the accomplishment of the Department's mission.

Response time is the period of time between when a call is received by a dispatcher and the arrival of a patrol officer. The response time varies depending upon the nature of the call. Typical calls are prioritized based upon the urgency of the incident. The average emergency call response time for the officer assigned to the beat of the subject project site is less than five minutes. Other response times will vary depending on the level of priority in conjunction with the availability of an officer. The Police Department currently has a ratio of 1.34 officers per 1,000 residents, and a civilian personnel ratio of 0.68 employees per 1,000 residents. No reduction in the current level of service is expected.

The OMGuasti amendment of housing will produce a long term impact for the Police Department as will the entire project. Any increase in population density has the likelihood of increasing the number of calls for service in the area. A residential community of 500 condominiums could add up to 1500 residents in this development. The overall project is expected to add thousands of people a day. The density and activity of the population will determine the actual increase in the need for officers and professional staff (non-sworn). Office space may be needed to coordinate police involvement. This area could be associated with the security office housing the security operations for the entire complex. This need should be addressed in the master security plan that will be submitted for the overall project.

This memo should address the questions raised. Please contact me at (909) 395-2496 if you have any additional questions or concerns.

Case Reports for Guasti Village area

1/1/2008 **to** ***12/30/2008***

Location	*Reported Date*	*Description*	*DR#*
E GUASTI RD/N TURNER AV	11/29/2008	VEHICLE TAMPERING	081101898
170 N TURNER AV	03/20/2008	SUSPICIOUS CIRCUMSTANCES	080301566
250 N TURNER AV	02/07/2008	THEFT - GRAND AND LARCENY	080200542
2895 GUASTI LN	11/15/2008	SUICIDE	081100942
2903 E GUASTI RD	08/19/2008	PAROLE VIOLATION	080801373

Total reports: **5**

Calls for service for Guasti Village area
Jan 1 to Dec 29, 2008

Date	Time	Location	Orig cal	End call	Call desc	Dispo	DR#	Call#				
3/20/2008	13:13	170 N TURNER AV,ONT	594R	594R	MAL MISCHIEF RPT	SUSCR	OP080301566	080800300	vandalism			
7/15/2008	6:26	170 N TURNER AV,ONT	459A	459A	BURG ALARM AUDIB	CANCEL		081970066				
10/31/2008	23:12	170 N TURNER AV,ONT	459A	459A	BUSINESS	CKS104		083050560				
5/29/2008	11:52	202 N TURNER AV,ONT	SUSPSJ	SUSPSJ	SUSP SUBJECT	UTL		081500280				
1/25/2008	11:11	250 N TURNER AV,ONT	ARECK	ARECK	AREA CHECK	CANCEL		080250210				
2/7/2008	9:50	250 N TURNER AV,ONT	487R	487R	DESK/14800	487R	OP080200542	080380187	grand theft	$400+		
8/21/2008	7:28	2701 GUASTI RD,ONT	602	602	TRESPASSING	GOA		082340122				
4/9/2008	14:29	ONTARIO POST OFFICE GUASTI,ONT	476R	476R	CONT AT INFO	CONADV		081000335				
4/24/2008	12:44	2801 GUASTI RD,ONT	SUSPSJ	SUSPSJ	SEEN 15MIN AGO	CKS104		081150305				
3/20/2008	10:15	2820 E OLD BROOKSIDE RD,ONT	CELL	CELL	INCOMPLETE CELL	CELL		080800187				
5/22/2008	19:23	2820 E OLD BROOKSIDE RD,ONT	CELL	CELL	INCOMPLETE CELL	CELL		081430445				
11/13/2008	19:38	2855 E GUASTI RD,ONT	459A	459A	BURG ALARM AUDIB	CANCEL		083180499				
11/17/2008	10:24	2855 E GUASTI RD,ONT	459A	459A	BURG ALARM AUDIB	CKS104		083220208				
12/1/2008	15:44	2855 E GUASTI RD,ONT	INC911	INC911	INCOMPLETE 911	CKS104		083360349				
12/9/2008	21:26	2855 E GUASTI RD,ONT	INFO	INFO	OFD ENRT FCA	INFO		083440506				
12/12/2008	0:17	2855 E GUASTI RD,ONT	INFO	INFO	OFD ENR	INFO		083470008				
12/17/2008	7:56	2855 E GUASTI RD,ONT	211S	211S	SILENT ROB ALARM	CKS104		083520107				
4/5/2008	10:51	2885 GUASTI RD,ONT	INFO	602	TRESPASSING	INFO		080960185				
11/15/2008	0:16	2895 GUASTI LN,ONT	SUSCR1	SUSCR1	FELONY SUSP CIRC	SUICID	OP081100942	083200012	suicide			
1/29/2008	16:14	2895 GUASTI RD,ONT	ILLPKG	ILLPKG	ILLEGAL PARKING	UTL		080290386				
6/5/2008	23:18	2903 E GUASTI RD,ONT	459UNK	459UNK	POSS BURG I/P	CKS104		081570576				
6/20/2008	12:31	2903 GUASTI RD,ONT	PATREQ	PATREQ	EXTRA PATROL	PATREQ		081720254				
8/19/2008	8:25	2903 GUASTI RD,ONT	602	602	TRESPASSING	3056	OP080801373	082320139	trespassing with parole violation			
1/23/2008	16:31	2995 E GUASTI RD,ONT	INC911	INC911	INCOMPLETE 911	CANCEL		080230377				
6/26/2008	9:19	N TURNER AV / E GUASTI RD,ONT	T	T	TRAFFIC STOP	CKS104		081780174				
9/15/2008	0:19	N TURNER AV / E GUASTI RD,ONT	T	T	TRAFFIC STOP	CKS104		082590002				
		call activities for 2008										

CITY OF ONTARIO

PUBLIC WORKS AGENCY
1425 South Bon View Avenue
Ontario, California 91761

(909) 395-2600

Letter of Transmittal

File:	
Date: 01/12/09	Contract No.:

TO: David Evans and Associates, Inc.
4200 Concours, Suite 200
Ontario, CA 91764

ATTENTION: *Josephine Alido, AICP*
Environmental Programs Manager

WE ARE SENDING: ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of Letter ☐ Change Order ☐ Check Print(s) ☐ Studies ☐ Other _____

COPIES	DATE	NO.	DESCRIPTION
1			Guasti Plaza Specific Plan Amendment- Plan Check Corrections

PURPOSE:

☒ For your information/records
☐ For approval ☐ Approved as submitted
☐ For your use ☐ Approved as noted
☐ As requested ☐ Returned for corrections
☐ For review & comment ☐ Other _____
☐ FOR BIDS DUE _____, 2006

PLEASE:

☐ Submit original _____
☐ Resubmit _____ copies for approval
☐ Submit _____ copies for distribution
☐ Return _____ corrected prints
☐ Other _____
☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS: **The attached documents were faxed to you on 01/12/09.**

COPY TO: _____

SIGNED: Nicole Flores Phone (909) 395-2670

TITLE: Administrative Assistant

If attachments are not as noted, kindly notify us at once.

CITY OF ONTARIO
UTILITIES DEPARTMENT
1425 S. Bon View
Ontario, California 91764

Phone: (909) 395-2678
Fax: (909) 395-2608

FACSIMILE TRANSMITTAL SHEET

TO: Josephine Alido, AICP Environmental Programs Manager	FROM: Sheldon Yu, P.E. Sr. Associate Engineer
COMPANY: David Evans and Associates, Inc.	DATE: 1/12/2009
FAX NUMBER: (909) 481-5757	TOTAL NO. OF PAGES INCLUDING COVER: **15**
PHONE NUMBER: (909) 481-5750	SENDER'S REFERENCE NUMBER:
RE: Guasti Plaza Specific Plan Amendment	YOUR REFERENCE NUMBER:

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

CITY OF ONTARIO
MEMORANDUM
Plan Check Corrections

Date: January 12, 2009
To: Ms. Josephine Alido, AICP, Environmental Project Manager, David Evans and Associates Inc.
Cc: Dennis Mejia, Utilities
From: Sheldon Yu, Utilities
Subject: Guasti Plaza Specific Plan Amendment
Project No.:

Project	Project Location: SEC 10-Fwy & Archibald Avenue Project Description: Guasti Plaza Specific Plan Amendment Applicant:
Response to November 24, 2008 Letter from DEA	1) What are the location and sizes of sewer lines serving the project site? – ***The Engineering Department can provide atlas and as-built information.*** *2)* Are these lines adequate to serve the area or have deficiencies been identified in these lines? – ***Refer to the sewer master plan available at the Engineering Department as well as any required studies performed for the proposed project impact(s).*** 3) What sewer system improvements are proposed in the surrounding area? When are these improvements going to be constructed or implemented? – ***Refer to the sewer master plan.*** 4) Does the City have sewer generation factor for multi-family residential and office commercial uses? If so, what are these factors? – ***Refer to the sewer master plan.*** 5) What is the estimated sewer generation of the project? – ***This is based upon what is being built on-site per the approved land-use by Planning Department (see attached sewer design guidelines showing generation factors).*** 6) Is on-site treatment necessary prior to disposal of wastewater from residential uses? – ***Residential wastewater is treated at the IEUA wastewater treatment plant. Pre-treatment is required for all commercial/industrial buildings.*** 7) Are line upgrades needed to serve the sewer disposal needs of the proposed residential uses? Please discuss. – ***Refer to the sewer master plan.*** 8) How will the proposed development affect the City's existing infrastructure and facilities (if any) which serve the project area? – ***Refer to the sewer master plan (if land use is not consistent, the development will be required to prepare a separate sewer study analyzing the impacts and providing recommendations.)*** 9) What measures would your agency recommend to reduce sewage generation from the project? – ***Reduction of potable water use on-site will reduce sewage generation (e.g. low-flow bathroom fixtures, reducing use times, etc.).*** 10) Are there fees that need to be paid for sewer connection and sewer services? – ***Engineering Department can provide this information.*** 11) Does t he City have any concerns or expect any long-term (10-year, 20-year, 30-year or longer) impacts associated with the provision of sewer services to future developments within the project area? If so, please describe the nature of these impacts and how this project may contribute to those impacts. – ***Refer to the sewer master plan.***

Attachment: November 24, 2008 DEA Letter
Sewer Design Guidelines

DAVID EVANS
AND ASSOCIATES INC.

November 24, 2008

Mr. Reymundo Trejo
City of Ontario
Engineering Department
303 East "B" Street
Ontario, CA 91764

SUBJECT: Guasti Plaza Specific Plan Amendment

Dear Mr. Trejo:

David Evans and Associates, Inc. (DEA) is currently assisting the City of Ontario in the environmental review process for the Guasti Plaza Specific Plan Amendment. The Guasti Plaza Specific Plan regulates development on approximately 73.1 acres bounded by the San Bernardino (Interstate 10) Freeway to the north, Turner Avenue on the east, the Union Pacific Railroad right-of-way on the south and Archibald Avenue to the west. The proposed Amendment would allow residential development within the Specific Plan area, in place of planned office uses. A maximum of 500 dwelling units would be allowed in Planning Areas 2 and 3, which consists of approximately 13.18 acres at the eastern and southeastern section of the Specific Plan area (Parcels 6, 7, 8, 9, and 10 of Parcel Map No. 18799). The density will range from 45-60 units per acre. The majority of the housing units will include studio, one-bedroom and two-bedroom units ranging in size from 700 to 1,000 square feet. The residential structures will vary in height, from three (3) to five (5) stories.

Alternatively, 100 units of the 500 total units may be developed at the western section of the Specific Plan area (Parcels 1, 14, 15, 16 and 17 of Parcel Map No. 18799). At this location, the residential units would replace future office or commercial development. In any case, the total number of residential units within the Specific Plan area shall not exceed 500 units and the total floor area of development shall not exceed a floor area ratio of 1.0. The Amendment would affect approximately 13 acres along Turner Avenue, New Guasti Road, Biane Lane, and the Union Pacific Railroad tracks, as well as an approximate 9-acre area at the western section of the site, along Archibald Avenue. A vicinity map is enclosed for your reference.

In order to adequately assess the project's potential impacts on sewer services, we would like to request the following information from your office:

1. What are the location and sizes of sewer lines serving the project site?
2. Are these lines adequate to serve the area or have deficiencies been identified in these lines?
3. What sewer system improvements are proposed in the surrounding area? When are these improvements going to be constructed or implemented?
4. Does the City have sewer generation factors for multi-family residential and office commercial uses? If so, what are these factors?
5. What is the estimated sewer generation of the project?
6. Is on-site treatment necessary prior to disposal of wastewater from residential uses?
7. Are line upgrades needed to serve the sewer disposal needs of the proposed residential uses? Please discuss.
8. How will the proposed development affect the City's existing infrastructure and facilities (if any) which serve the project area?

4200 Concours, Suite 200, Ontario, California 91764 909.481.5750 fax 909.481.5757

DAVID EVANS ASSOCIATES

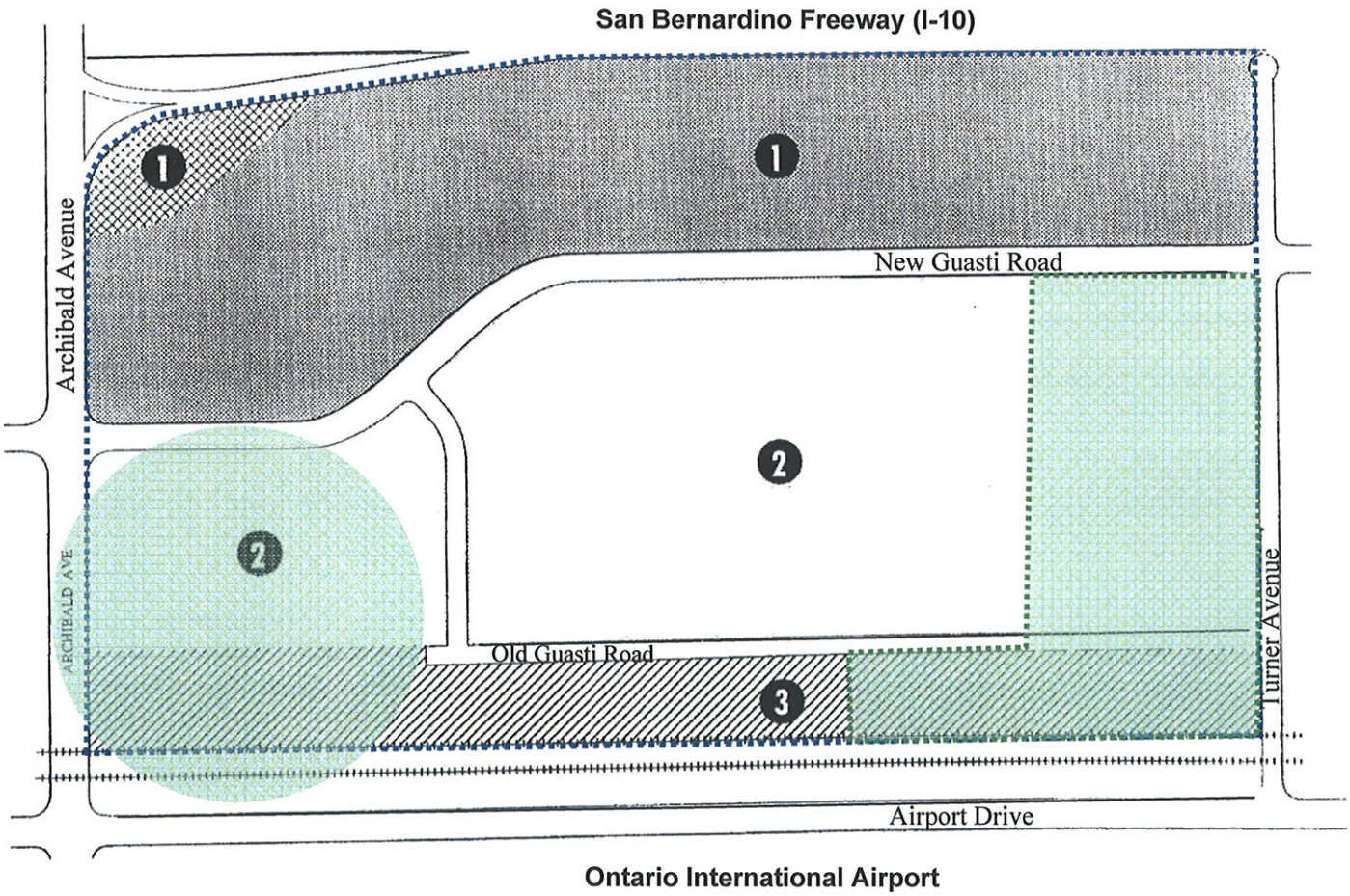
9. What measures would your agency recommend to reduce sewage generation from the project?
10. Are there fees that need to be paid for sewer connection and sewer services?
11. Does the City have any concerns or expect any long-term (10-year, 20-year, 30-year or longer) impacts associated with the provision of sewer services to future developments within the project area? If so, please describe the nature of these impacts and how this project may contribute to those impacts.

Please include any other information concerning your services and other issues which may be relevant to the environmental review process. We would appreciate receiving this information within the next three weeks. If you need additional information on the project, please call me at (909) 481-5750. Thank you for your assistance.

Sincerely,

DAVID EVANS AND ASSOCIATES, INC.

for Josephine Alido, AICP
Environmental Project Manager



Specific Plan Area boundaries

1 Planning Area

Area proposed for Residential Development

N

Vicinity Map
Guasti Plaza Specific Plan Amendment
City of Ontario

CITY OF ONTARIO

PUBLIC WORKS AGENCY
1425 South Bon View Avenue
Ontario, CA 91761
Phone: (909) 395-2600

SEWER SYSTEM DESIGN GUIDELINES FOR THE PREPARATION AND REVIEW OF SEWER ANALYSIS FOR NEW DEVELOPMENTS IN THE CITY OF ONTARIO UPDATED MARCH 1, 2006

This document provides guidelines for the preparation and review of EIR and Specific Plan sewer analyses performed for developments within the City of Ontario. These Sewer System Design Guidelines are based upon information and design standards developed in the **New Model Colony Sewer Master Plan** dated January 2001 prepared for the City of Ontario by AKM Consulting Engineers. The Sewer System Design Guidelines include methodology for estimating wastewater design flows, and minimum design standards for the collection system. Wastewater flows are projected using future land use, unit flow factors, peaking factors, and infiltration / inflow allowances. Collection system design standards include minimum pipe size, minimum flow velocity, and depth of flow to pipe diameter ratio. The information contained herein is the best available to date. However, this data shall continue to be subject to revisions as necessary. All sewer plan analysis must be stamped and signed by a licensed CA Civil Engineer. The guidelines presented herein are divided into the following categories:

- Unit Flow Factors
- Peaking Factors
- Sewer Design Criteria
- Criteria for Specific Plans and Development Sub-areas

Reference Exhibits

The following exhibit is attached for reference:

- Draft NMC Updated Sewer Master Plan Exhibit

Unit Flow Factors

Table 1 contains wastewater unit flow factors by land use category to estimate the future average dry weather flows that will be generated by the study area. The table also provides a unit flow factor 270 gpd/du for all residential land uses and the appropriate unit flow factor in gpd/TSF for all commercial and industrial uses.

Table 1
Unit Flow Factors

Land Use Category		Unit Flow Factor		
Use	**Description**	**gpd/DU**	**gpd/AC**	**gpd/TSF**
Residential				
SF	Single Family	270	1242	-
MF	Multi-Family	270	3824	-
Commercial				
C1	Neighborhood	-	2200	253
C2	Community	-	2200	225
C3	Office (Town Center)	-	2200	144
C4	Regional	-	2200	189
C5	Retail (Town Center)	-	2200	174
C6	Retail (Business Park)	-	2200	253
Industrial				
IND	Light Manufacturing / Business Park	-	4700	308
Public				
P1	Community Facility	-	3500	250
P2	Government, Cultural	-	3500	250
P3	Schools	-	3500	-
P4	Parks	-	200	-
P5	Education Campus	-	3500	-
P6	Sports Complex	-	3500	
Amenities				
A1	Lake	-	200	-
A2	Village Green	-	200	-
A3	Golf Course	-	200	-

Where specific plans propose more dense or different development than the uses covered in Table 1, average sewage flow shall be calculated based upon project specific information. Where the number of dwelling units are available, sewer flow calculations shall be based upon the per dwelling unit flow factor.

Peaking Factors

Wastewater unit flow factors contained in the previous section are used to generate average dry weather flows (ADWF) entering the collection system. However, the sewage collection system facilities are sized for the peak flows. The peak wet weather flow (PWWF) has two components: peak dry weather flow (PDWF) and rainfall dependent inflow/infiltration (I/I). At any individual point in the system, peak dry weather flow is estimated by converting the total average flow upstream of the point in question to peak flow by an empirical peak-to-average relationship.

The peaking formula commonly used in estimating the peak dry weather flows in sewerage studies is:

$$Q_{PDWF} = a\, Q_{ADWF}^{\,b}$$

where Q_{PDWF} = Peak Dry Weather Flow in MGD
Q_{ADWF} = Average Dry Weather Flow in MGD
a, b = Peaking Formula Coefficients

The following formula shall be used for estimating peak dry weather flows:

$$Q_{PDWF} = 1.8\ (Q_{ADWF})^{0.92}$$

A higher coefficient "a" may be required for small sewer-sheds or sewer-sheds of a single land use type.

Sewer Design Criteria

Design criteria are established to ensure that the wastewater collection system can operate effectively under all flow conditions. Each pipe segment must be capable of carrying the peak wet weather flows in the hydraulically stable zone of the pipe. Low flows must be conveyed at a velocity that will prevent solids from settling and blocking the system.

The design capacity of a gravity pipeline is the calculated capacity of the pipeline based on the Manning formula:

$$Q = 1.486\ R^{2/3} S^{1/2} / n$$

where, **Q** = flow in cubic feet per second
R = hydraulic radius in feet = A / P
A = cross-sectional area of the pipe in square feet
P = wetted perimeter in feet
S = slope of pipe in feet of rise per foot of length
n = Manning's friction factor

Sewer system capacity is established using a Manning's friction factor of 0.013 for vitrified clay pipe.

The 1995 City Sewer System Master Plan established the hydraulic design criteria for sewer pipes by classifying 'over capacity' pipes as any with a depth to diameter (D/d) greater than 0.64. This D/d ratio was arrived at by taking 75 percent of a pipe's maximum stable flow capacity, which is at a D/d of 0.82. The area above a D/d of 0.82 is considered hydraulically unstable. This provides capacity for 35 percent of peak dry weather flow for inflow and infiltration.

The extra pipeline capacity allows for the possibility that actual wastewater flows may be slightly higher than anticipated, especially during the hours when instantaneous or intermittent peaks may occur. These peaks are generally observed between the hours of 6:00 a.m. and 9:00 a.m. and 7:00 p.m. and 9:00 p.m. during weekdays and somewhat later in the morning hours during weekends. They may also be observed during rainfall events due to inflow and infiltration. Additionally, the area above the water surface helps to keep the sewage aerated, reducing the possibility of septic conditions and odors.

The design and analysis of gravity sewer pipes is typically based upon the depth to diameter ratio (D/d). The following depth to diameter ratio assumptions apply:

- Pipes **12-inches and smaller** in diameter shall be designed to flow at a maximum **D/d of 0.50** under peak dry weather flows
- Pipes **15-inches and greater** in diameter shall be designed to flow at a maximum **D/d of 0.64** under peak dry weather flows

- For either group, the depth of flow to diameter ratio shall not exceed 0.82 with peak wet weather flows

At a minimum, all pipes should be 8 inches or larger in diameter and the velocity of flow in the pipe should be greater than 2 feet per second at average dry weather flow (ADWF), and a peak velocity of less than 10 feet per second. This velocity will prevent deposition of solids in the sewer and help to resuspend any materials that may have already settled in the pipe. The minimum corresponding slopes for various pipe sizes are shown in **Table 2**.

Table 2
Minimum Sewer Slopes

Sewer Size	2 ft/s Velocity Slope
8"	0.0057
10"	0.0042
12"	0.0033
15"	0.0019
18"	0.0014
21"	0.0011
24"	0.0008
27"	0.0008
30"	0.0007
33"	0.0006
36" & larger	0.0005

It is important to note that the slopes listed above assume the depth of flow in the pipe is 50 or 64 percent full. If there is insufficient flow to create this condition, greater slopes than those shown may be required.

A summary of sewer system design criteria is listed in **Table 3**.

Table 3
Sewer System Criteria

Collection System	
Minimum Pipe Size	8-inch
Minimum Velocity	2.0 ft/s at average dry weather flow
Maximum Pipe Depth to Diameter Ratio With Peak Dry Weather Flows	0.50 for 12-inch and smaller 0.64 for 15-inch and greater
Maximum Pipe Depth to Diameter Ratio With Peak Wet Weather Flows	0.82 for all sizes

Criteria for Specific Plans and Development Subareas

Each party wishing to pursue development of a tract or area within the NMC shall develop a Sub-Area Master Plan (SAMP). The developer's plans for providing adequate sewer service to all users within the proposed development, how the local sewer system will connect to the backbone and regional system, and the impact of the proposed development to the downstream facilities (to the regional system) shall be fully described in the SAMP. The local sub-area sewers shall meet the sewer design criteria provided in this document and the City Standard Drawings for Sewer Construction. At a minimum, sewage flow calculations shall be based upon the unit flow factors contained in Table 1 or higher factors if specific conditions require it. A typical Sub-Area Sewer Master Plan Report shall include, but not be limited to the following:

- The document shall be prepared and stamped & signed by a Registered Civil Engineer.
- Map showing project boundaries and drainage areas
- Detailed land use description and map
- Average dry weather, peak dry weather, and peak wet weather flow calculations
- Exhibit showing all proposed sewer facilities and connections to the downstream regional system
- Phasing of development and wastewater flows
- Hydraulic calculations for phased and fully developed ultimate conditions, from the development to the regional system, meeting all sewer design criteria

SEWER SYSTEM DESIGN CRITERIA

TABLE OF CONTENTS

SEWER SYSTEM DESIGN CRITERIA

SEWER SYSTEM DESIGN CRITERIA

1. GENERAL

Sewer system improvements proposed for inclusion into the City's shall be designed in accordance with the criteria set forth herein, unless otherwise approved in writing by the City.

The design shall take into consideration physical conditions known to exist at the time and place of each installation and the probable operating requirements. Where such conditions render sections of these Specifications inapplicable, alternate methods of design may be submitted to the City, and upon approval thereof, may be incorporated in the Plan.

2. UNIT FLOW FACTORS

System design criteria and flow factors shall be in accordance with the City of Ontario Public Works Agency Report "**SEWER SYSTEM DESIGN GUIDELINES FOR THE PREPARATION AND REVIEW OF SEWER ANALYSIS FOR NEW DEVELOPMENTS IN THE CITY OF ONTARIO UPDATED DECEMBER 27, 2005"** as provided in appendices

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3. LOCATIONS OF MAINS

In local residential and industrial streets, sewer mains are to be located six (6) feet from the centerline of the street in the center of the driving lane. In major, primary, and secondary highways, the sewer mains will be located in the center of the driving lane nearest to the center of the street, but will not be located in the median strip or parking lanes. On curved streets, sewer mains shall be parallel with the centerline of the street by use of horizontal curves for the alignment, unless approved by the City Engineer.

Horizontal curves are allowed on all pipe sizes 8" and larger, but are not encouraged except where necessary to maintain the required clearance from water pipelines. The minimum curve radius for sewers shall conform to the manufacturer's minimum recommendations. No reverse curves shall be allowed between manholes. No vertical curves shall be allowed.

Sewer main lines shall have a minimum cover over pipe which should be sufficient to service adjacent property by gravity, and cover shall not be less than 7.5' to finish grade of street, unless otherwise approved by City. In addition, sewer mains must be sufficiently deep in subdivisions to allow water lines to be set with 4' min. cover without interference from sewer laterals.

Sewer installation shall provide a minimum clearance of 50 feet from all potable, non-potable, and water quality monitoring wells.

4. PIPE SIZING

The standard sewer mainlines sizes allowed in the City shall be 8-inch, 10-inch, 12-inch, 15-inch, 18-inch, 21-inch, 24-inch, and 27-inch in diameter.

5. PIPE MATERIAL

Per the Sewer Pipeline Material Specification and Approved Material List.

6. MANHOLES

Manholes are required at the end of each line, change in grade or size, change in alignment or intersection of two or more sewer mains. Manholes shall be spaced at a maximum distance of 350-feet, unless otherwise approved by City. Manholes shall be located at or near all BC's, EC's, PRC's and PCC's on curved sewers. Distance noted between manholes shall be measured to manhole centerlines.

Minimum 48-inch ID manhole shall be required for sewers with a diameter of 18-inch or less and/or at a depth of 12-feet or less. A 30-inch frame and cover shall be used on a 48-inch manhole. Minimum 60-inch ID manholes shall be required for sewers with a diameter of 20-inch or larger and/or deeper than 12-feet. A 36-inch frame and cover shall be used on a 60-inch manhole. Minimum 72-inch ID manhole shall be required for sewers with a diameter of 30-inches. A 36-inch frame and cover shall be used on a 72-inch manhole.

Manholes shall have 0.2-feet of elevation differential through the manhole on straight runs and at angles. Pipe flow line elevations at inlet and outlet of manhole as well as centerline manhole stationing shall be shown on plans. Unless otherwise approved by the City, junction manholes shall have the crowns (soffits) of the intersecting pipes at the same elevation where their projections intersect the manhole centerline.

Drop manholes may be utilized only upon prior approval by the City. Drops shall not be less than 3 feet ("Steep" slopes from the first manhole upstream are preferred to drop manholes). Manholes shall not be buried except where approved by City. Manholes shall be raised above ground level where necessary to maintain them in farmed areas and in waterways.

Manholes shall be required on laterals 8-inch or larger at the point of connection to the mainline and at the property line. A monitoring manhole can be used for the manhole at the property line.

Manholes located outside of the pave area shall be installed with the frame and cover .1-foot above finish grade with a 3-foot concrete collar. Manholes located in landscape area and in fields shall be installed 18-inches above finish grade.

7. CLEANOUTS

The use of cleanouts is not permitted except on laterals at the property line.

8. LATERALS

Minimum 4-inch lateral shall be required for single family residences. Minimum 6-inch lateral shall be required for multi-family dwellings, commercial and industrial use. Lateral shall be constructed of same material as main line.

House Connection Laterals at 2% slope, utilizing 45° connection at main.

9. BEDDING

Minimum requirements per City Standard Drawings No. 2104 and No. 2105

10. BACKFLOW VALVES

Backflow valves shall be required in accordance with the Uniform Plumbing Code, Latest Edition.

Backflow valves shall be installed at shallowest location allowing access for future inspection and maintenance. Where backflow valves are required, they shall be installed on private property by the property owner or tract developer and are to be maintained by property owner.

11. INDUSTRIAL WASTE PROVISIONS

The developers of all commercial/industrial projects shall provide the City with detailed information concerning the project's expected wastewater quality and quantity. The City will review this information and determine which of the following facilities are required.

1. Building sewer sampler.
2. Wastewater flow monitoring station.
3. Gravity separator.
4. Industrial waste clarifier.
5. Pretreatment facilities.

CITY OF ONTARIO

PUBLIC WORKS AND
COMMUNITY SERVICES AGENCY

ONTARIO MUNICIPAL SERVICES CENTER

December 4, 2008

Josephine Alido, AICP
David Evans and Associates, Inc.
4200 Concours, Suite 200
Ontario, CA 91764

Re: Guasti Plaza Specific Plan Amendment

Following are answers to your questions on a letter dated November 24, 2008.

1. City facilities and services are adequate to serve Solid Waste needs of this and other existing projects.

2. The City of Ontario can service this project before and after construction.

   For construction, a Construction and Demolition Recycling Plan is required and can be obtained by calling (909)395-2675. 50% of the waste from the project must be recycled. Vehicle access and container storage standards are available on the City web site at Departments/Public Works/Utilities-Solid Waste/Refuse and Recycling Planning Manual. Trash service must be provided by the City's Solid Waste Department. Recycling service can also be provided by the City, but is open to private recyclers who hold Commercial Recycler Collection Permits. Call the above number if you want a list.

   For residential and commercial collection at the completed project, call Revenue Services at (909)395-2050 to initiate trash and recycling service. The City is the exclusive hauler for residential trash and recycling, and commercial trash. Again, the City provides commercial recycling service, but you can also use a permitted private hauler.

3. Per the California Integrated Waste Management Board web site, the household per capita disposal rate in 2007 (most recent data) was 2 lb./resident/day; business per capital disposal rate in 2004 (most recent data) was 23.6 lb./employee/day. Minimum

1425 SOUTH BON VIEW AVENUE • ONTARIO, CALIFORNIA 91761-4406 • (909) 395-2605 • FAX: (909) 395-2601

service standards for Ontario can be found in the Refuse and Recycling Planning Manual referenced in answer number 2.

4. Solid Waste is brought to the West Valley MRF located at 13373 Napa St., Fontana, CA 92335.

5. Final Disposal is at El Sobrante Landfill in Riverside County.

6. The City is able to implement commingled recycling service at multifamily residential developments. Implementation of the service includes assessment, recommendation, container placement, and starter kits and presentations for staff and residents. Other programs available include green waste collection, bulky item collection, and use of the Household Hazardous Waste facility in the City.

7. For construction, the Construction and Demolition Recycling Plan requires receipts at the end of the project proving 50% waste diversion. For residential collection, rates provide a financial incentive to have a successful recycling program. Educational material is also available. Staff can make educational presentations upon request.

If you have any questions feel free to call at (909)395-2664 or email at bfigoni@ci.ontario.ca.us.

Sincerely,

Bob Figoni
Assistant Solid Waste Director

Encl. November 24, 2008 letter

Message

Post-it® Fax Note 7671	Date 12/2/08 # of pages ▶ 4
To JOSEPHINE ALIDO	From FRANK MOLINA
Co./Dept. David Evans & Assoc.	Co.
Phone #	Phone #
Fax #	Fax #

Molina, Frank

From: Mermilliod, Mary Lou
Sent: Monday, December 01, 2008 10:19 AM
To: Molina, Frank
Subject: RE: City of Ontario's Guasti Plaza SP Amendment, Info Request

Frank,

There are no FCD facilities in the project area.

Thanks,

Mary Lou

-----Original Message-----
From: Molina, Frank
Sent: Wednesday, November 26, 2008 10:24 AM
To: Mermilliod, Mary Lou
Subject: City of Ontario's Guasti Plaza SP Amendment, Info Request
Importance: High

Mary Lou,

I've attached a letter we received today from David Evans and Associates (DEA) requesting information on storm drain facilities, etc. for the City of Ontario's Guasti Plaza Specific Plan Amendment project.

DEA is the consultant for the City of Ontario on this project. I just sent the City of Ontario yesterday requesting that they send us the EIR and technical studies when they become available.

Would you please answer the information request of DEA?

Thanks

Frank, EMD
X78113

SOUTHERN CALIFORNIA
EDISON®
An *EDISON INTERNATIONAL*® Company

DATE: January 12, 2009

COMPANY: David Evans and Assoc.

SUBJECT: Turner & Guasti , Ontario CA

Dear: Sir or Madam

This is to advise that the subject property is located within the service territory of the Southern California Edison Company (SCE) and that the electrical loads of the project are within parameters of projected load growth which SCE is planning to meet in this area.

Our total system demand is expected to continue to increase annually; however, excluding any unforeseen problems, our plans for new distribution resources indicate that our ability to serve all customers' loads in accordance with our rules and tariffs will be adequate during the decade of the 2000's.

Current conservation efforts on the part of SCE customers have resulted in energy savings. Optimization of conservation measures in this project will contribute to the overall energy savings goal.

If you have any additional questions, please feel free to call me at (909) 930-8576

Sincerely,

Greg Klock

Customer Service Planner

1351 East Francis Ave.
Ontario, CA 91761

Tim Stapleton

From: Mesa, Rodney [rod.mesa@twcable.com]
Sent: Tuesday, January 13, 2009 1:48 PM
To: Tim Stapleton
Subject: RE: Guasti Plaza Specific Plan Amendment ~ Service Letter Inquiry

TWC has facilities on the north side of I10 with anticipation of extending facilities south to the project site.
TWC has adequate facilities to provide broadband service to the entire development area.
I10 freeway crossing is required to provide service to this development area.
TWC anticipates no long term implications related to TWC participation in this project.

If there is any other information required from TWC related to this project, please contact me.
Thanks.

Go Green! Print this email only when necessary. Thank you for helping Time Warner Cable be environmentally responsible.

From: Tim Stapleton [mailto:Txst@deainc.com]
Sent: Monday, January 12, 2009 11:39 AM
To: Mesa, Rodney
Subject: Guasti Plaza Specific Plan Amendment ~ Service Letter Inquiry

Mr. Mesa.

Pursuant with our conversation, attached is the Service Request Letter listing inquiries regarding the Guasti Plaza Specific Plan Amendment. Upon review, please let me know as to when a response may be available.

Thank you in advance,

Tim Stapleton

Associate Urban Planner
David Evans and Associates Inc.
4200 Concours, Suite 200
Ontario, California 91764
909.912.7332
txst@deainc.com

<<Time Warner.pdf>>

February 2, 2009

David Evans & Associates Inc.
ATTN: Josephine Alido
4200 Concours, STE 200
Ontario Ca 91764

Subject: El Sobrante Landfill in Corona, California

Dear Josephine:

This letter is in response to a David Evans & Assoc. letter dtd December 12, 2008. Waste Management is proud to provide you with the most current information regarding our landfills. See below.

1. **El Sobrante Landfill** – 10910 Dawson Canyon, Corona, Ca 91719

   Size: 3,122 total acres **Capacity:** 20.2 million tons **Daily Limits:** 9,500 tons

2. Waste from the city of Ontario goes to a MRF/Transfer Station owned by **Burrtec.**

3. El Sobrante Landfill serves Riverside, San Bernardino, Orange, Los Angeles, and San Diego counties.

4. The life expectancy of El Sobrante landfill is 35+ years.

5. El Sobrante's size and location are adequate enough to serve additional solid waste from existing developments.

6. WM does not currently have any new landfills planned in the Inland Empire region.

7. No information can be provide at this time.

8. WM owns and operates a fully permitted Class I Hazardous waste facility located in Kettleman City California.

If you have any questions regarding the information provided please do not hesitate to call me at (951) 244-4519.

Respectfully yours,

Edward Vasquez
Industrial Account Manager