

RESOLUTION NO. 2438

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLEDAD
APPROVING THE SUBMITTAL OF THE 1996 MOTOR VEHICLE
EMISSIONS REDUCTION GRANT PROGRAM**

WHEREAS, the State of California has established a Vehicle Registration Surcharge Fee Program; and

WHEREAS, the Monterey Bay Unified Air Pollution Control District has established a Motor Vehicle Emissions Reduction Grant Program for the distribution of \$3.88 million; and

WHEREAS, the City of Soledad has need of a Park-and-Ride facility for long and short mileage trips for the citizens of the City of Soledad.

WHEREAS, the proposed application is consistent with the City's Downtown Specific Plan and the General Plan.

BE IT RESOLVED by the City Council of the City of Soledad that the City Manager is hereby authorized and directed for and on behalf of the Council of the City of Soledad to submit an application for the 1996 Motor Vehicle Emissions Reduction Grant Program, in the form of a document hereunto attached marked, "Exhibit A" and by reference made a part hereof.

PASSED AND ADOPTED by the City Council of the City of Soledad at a regular meeting duly held on the 12th day of June, 1995 by the following vote:

AYES, and in favor thereof, Councilmembers: John Holguin, Fred Ledesma, Richard Ortiz, Mayor Pro Tem Fabian Barrera, Mayor Ben Jimenez, Jr.

NAYES, Councilmembers. None

ABSENT, Councilmembers. None


MAYOR OF THE CITY OF SOLEDAD

ATTEST:


CITY CLERK OF THE CITY OF SOLEDAD

**MOTOR VEHICLE EMISSIONS
REDUCTION PROGRAM
GRANT APPLICATION**

(For Funding Provided By Assembly Bill 2766 of 1990)

Prepared for:

**CITY OF SOLEDAD
MONTEREY COUNTY, CALIFORNIA**

Submitted to

**MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DISTRICT
24580 SILVER CLOUD COURT
MONTEREY, CALIFORNIA 95340**

MAY 1995

Prepared by

**HANNA & BRUNETTI
CIVIL ENGINEERS & LAND SURVEYORS
7651 EIGLEBERRY STREET
GILROY, CALIFORNIA 95020**

Exhibit "A"

06/07/1995 02 39 4088423662

HANNA & BRUNETTI

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HANNA & BRUNETTI

Civil Engineers - Planners - Land Surveyors

Established 1910
 Walter J Hanna, P.E. (1910-1967)
 Norris Udell, P.E. L.S. (1934-1972)

Walter J Hanna, Jr. P.E., L.S.
 Arnold Brunetti, P.E.

May 26, 1995

To Mr Douglas Quetin, APCO
 Monterey Bay Unified Air Pollution Control District
 24580 Silver Cloud Court
 Monterey, CA 93940

Subject FY 1995 96 AB 2766 Motor Vehicle Emissions Reduction Grant

It is the City of Soledad's pleasure to submit the attached grant application for the construction of a park and ride. It is the City's interest to improve air quality and congestion by decreasing the demand for parking. The City of Soledad aside from having a large agricultural economic base, is also a commuter town for a large number of residence who commute to work and/or school in the City of Salinas located @ 30 miles north along U.S. Highway 101. Ride sharing is an effective solution to reduce air pollution, decrease transportation costs, and reduce maintenance on the existing highway facility. Currently, the City does not have a location for car-poolers to meet. A park and ride will provide Soledad's residents an incentive to car pool.

The City of Soledad is proposing the construction of a park and ride facility at the north end of Soledad as shown on the exhibit map attached capable on storing 65 vehicles. It is expected to average 80% occupancy, with approximately 70 percent of the users commuting to Salinas and 30 percent of the users commuting to agriculture farms in the Salinas Valley, therefore, 655,200 vehicle miles will be saved as well as 2.04 tons of ROG, NO_x, and PM₁₀ per year for the life time of the project (See Calculations). With a useful life of 25 years, 51 tons of emissions will be saved with this project.

Attached is a proposed timeline for project implementation, if the grant is approved.

Sincerely,

Arnold Brunetti
 City Engineer

Soledad Park & Ride "Emissions Saved" Calculations.

Total # of spaces = 65

Assume 80 percent capacity rate for the life of the project $0.80 (65) = 52$ spaces

Therefore, once the park & ride gets established with the local community 52 spaces will be occupied. This park & ride will be used by the local farm labor force and daily commuters to the City of Salinas. The nearest community college in the area is located in Salinas (30 miles north) and does not provide bus services. This park & ride will be an ideal location for students to car pool.

Assuming 70% of the car-poolers commute to Salinas and 30% commute to local farms

Salinas commuters $0.70 (52) = 37$ spaces
Farm labor commuters $0.30 (52) = 15$ spaces

Average Trip Length:

Salinas commuters (60 miles) (37 spaces) (260 work days per year) = 577,200 vehicle miles
Farm labor commuters (20 miles) (15 spaces) (260 work days per year) = 78,000 vehicle miles

Total Vehicle Miles per Year

$577,200 + 78,000 = 655,200$ vehicle miles per year saved by proposed project

Emissions saved.

ROG (655,200 miles/year) (1.4 grams/mile) = 917,280 grams per year
NO_x (655,200 miles/year) (1.2 grams/mile) = 786,240 grams per year
PM₁₀ (655,200 miles/year) (0.22 grams/mile) = 144,144 grams per year

Total Emissions Saved. 184,766 grams per year

$(184,766 \text{ grams/year}) / (453.6 \text{ grams/pound}) / (2000 \text{ pounds/ton}) = \underline{2.04 \text{ tons/year}}$

**ATTACHMENT I
PROJECT DESCRIPTION**

FY 1995-96 AB 2766 MOTOR VEHICLE EMISSIONS REDUCTION PROGRAM

A. Applicant: Name CITY OF SOLEDAD
 Address 248 MAIN ST
SOLEDAD, CA 93960
 Telephone 408 - 678 - 3963

B. Date: 5 - 26 - 95

C Budget: Total Project Amount \$ 96,275
 AB 2766 Request \$ 96,275

D. Project Title: (Attach separate narrative to describe project in detail) SOLEDAD PARK & RIDE

E. Project Timeline: Start Date. 7 - 5 - 95 End Date 10 - 26 - 95

F Activity Breakdown:

<u>Activity #</u>	<u>1st Period</u>	<u>2nd Period</u>	<u>3rd Period</u>	<u>4th Period</u>
	<u> to </u>	<u> to </u>	<u> to </u>	<u> to </u>
1	\$ <u>6,500</u>	\$ _____	\$ _____	\$ _____
2	\$ <u>2,000</u>	\$ _____	\$ _____	\$ _____
3	\$ <u>77,625</u>	\$ _____	\$ _____	\$ _____
4	\$ <u>10,150</u>	\$ _____	\$ _____	\$ _____
Total	\$ <u>96,275</u>	\$ _____	\$ _____	\$ _____

Activity 1 FIELD SURVEY / DESIGN
 Activity 2. SPECIFICATIONS
 Activity 3 CONSTRUCTION
 Activity 4 CONSTRUCTION ADMIN / STAKING / INSPECTION / CITY ADMIN.

G: Budget Breakdown:

	<u>Grant Request</u>	<u>Other Match</u>	<u>Total</u>
Capital	\$ <u>77,625</u>	\$ _____	\$ <u>77,625</u>
Personnel	\$ <u>18,650</u>	\$ _____	\$ <u>18,650</u>
Other	\$ _____	\$ _____	\$ _____
Grant Administration	\$ <u>XXXXXXXX</u>	\$ _____	\$ _____
Totals	\$ <u>96,275</u>	\$ _____	\$ <u>96,275</u>

Grant Application For CITY OF SOLEDAD, SOLEDAD PARK & RIDE
(Agency Name & Project Title)

H. Other Match Funding Sources

	<u>Funding Source</u>	<u>Amount</u>	<u>S</u>	<u>U</u>
1	<u>IN LIEU PARKING FEES</u>	<u>\$ 14,000</u>	<u>✓</u>	<u>—</u>
2	<u>R.D.A. BOND FUNDS</u>	<u>\$ 2,000</u>	<u>✓</u>	<u>—</u>
3	<u>_____</u>	<u>\$ _____</u>	<u>—</u>	<u>—</u>

S = Secured funds. Available by September 1 1995 or guaranteed within FY 1995/1996.
U = Unsecured funds. To be applied for and availability unsure.

I. Monitoring Program:

- 1 Type of Program (ie survey, count data, records) PERSONS PER VEHICLE COUNT
- 2. Frequency of Data Collection YEARLY
- 3 Reporting Frequency (ie monthly, quarterly, annually) ANNUALLY
- 4 Anticipated Number of Units Reported (ie. number of cars reduced, VMT reduced, number of people served) UP TO 65 CARS REDUCED & 655,200 VMT REDUCED

J. Emission Reductions

Vehicle Miles Travelled Reduction (Daily) 2520

Expected Emission Reductions (Lbs./day)

ROG	<u>7.8</u>
NO _x	<u>6.7</u>
PM ₁₀	<u>1.2</u>

Emissions In Useful Life Years _____ Days Per Year _____ Tons _____

K. Emission Calculation Methodology: SEE SOLEDAD PARK & RIDE "EMISSIONS SAVED" CALCULATIONS

L. Contact Person.

Name: OCTAVIO HURTADO Telephone 408-842-2173 Fax 408-842-3662

ATTACHMENT 5

COST-EFFECTIVENESS EVALUATION FORM

FY 1995-96 AB 2766 MOTOR VEHICLE EMISSIONS REDUCTION PROGRAM

- 1 Name of Applicant. CITY OF SOLEDAD
- 2 Title of Project SOLEDAD PARK & RIDE
- 3 Total Dollar Amount of Project \$ 96,275
- 4 DMV Fee Grant Request \$ 96,275
- 5 Useful Life of Project In Years 25
- 6 Anticipated Total Costs Over Useful Life

Year	Total Emissions Saved (In tons) (ROG+NO _x +PM ₁₀)	Capital Costs (\$)	Operational Costs (\$)	Bank Loan Rate (%)
1	2.04	96,275		
2	2.04			
3	2.04	630		
4	2.04			
5	2.04			
6	2.04	2,100		
7	2.04			
8	2.04			
9	2.04	630		
10	2.04			
Total	51 TONS	107,195	N/A	AVG N/A

(SEE ATTACHED TABLE)

Cost Effectiveness Over Useful Life	\$
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ATTACHMENT 3 (CONTINUED)
 COST EFFECTIVENESS EVALUATION INFORMATION SHEET
 FOR THE
 MOTOR VEHICLE EMISSIONS POLLUTION REDUCTION PROGRAM

Year	TOTAL EMISSIONS SAVED (In Tons) (ROG+NO _x +PM ₁₀)	Capital Costs (\$)	Operational Costs (\$)	Bank loan (%)
11	2 04			
12	2 04	2100		
13	2 04			
14	2 04			
15	2 04	630		
16	2 04			
17	2 04			
18	2 04	2100		
19	2 04			
20	2 04			
21	2 04	630		
22	2 04			
23	2 04			
24	2 04	2100		
25	2 04			
TOTAL	51 TONS	\$107,195	N/A	N/A

HANNA & BRUNETTI
Civil Engineers - Planners - Land Surveyors

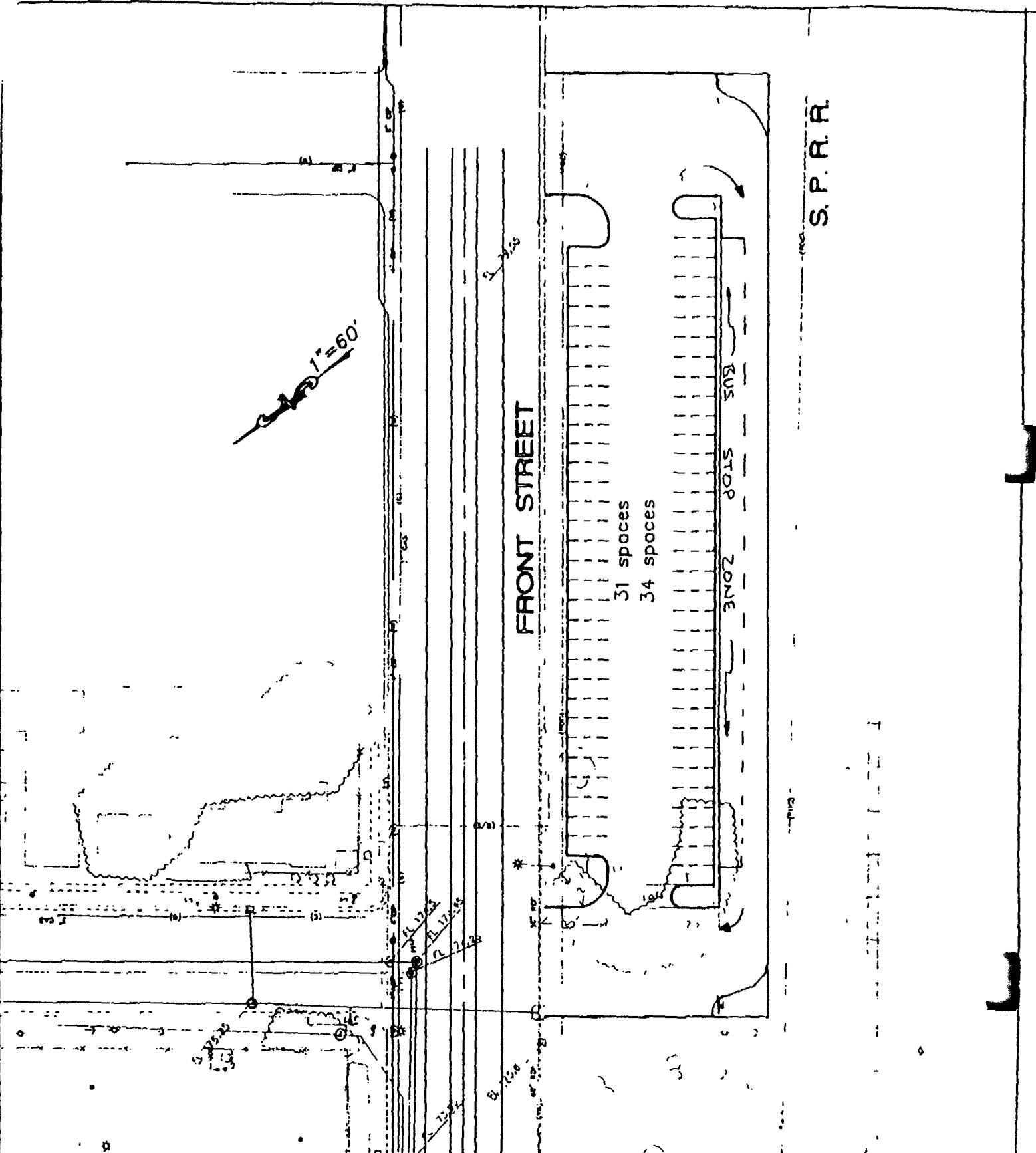
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PROJECT TIMELINE

1995

July 5th	BEGIN TOPOGRAPHIC SURVEY/FIELD RECONNOCENSE
July 10th	BEGIN ENGINEERING (PLANS AND SPECS)
July 31st	SUBMIT PLANS TO CITY FOR REVIEW
August 10th	SUBMIT PLANS TO CITY OF SOLEDAD FOR APPROVAL BY CITY COUNCIL
August 17th	ADVERTISE FOR BIDS
September 15th	OPEN BIDS
September 25th	BEGIN SURVEY STAKING
September 26th	BEGIN CONSTRUCTION
October 26th	CONSTRUCTION COMPLETE



Hanna & Brunetti
 Civil Engineers & Land Surveyors
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 Gilroy, Ca., 95020
 (408) 842-2173