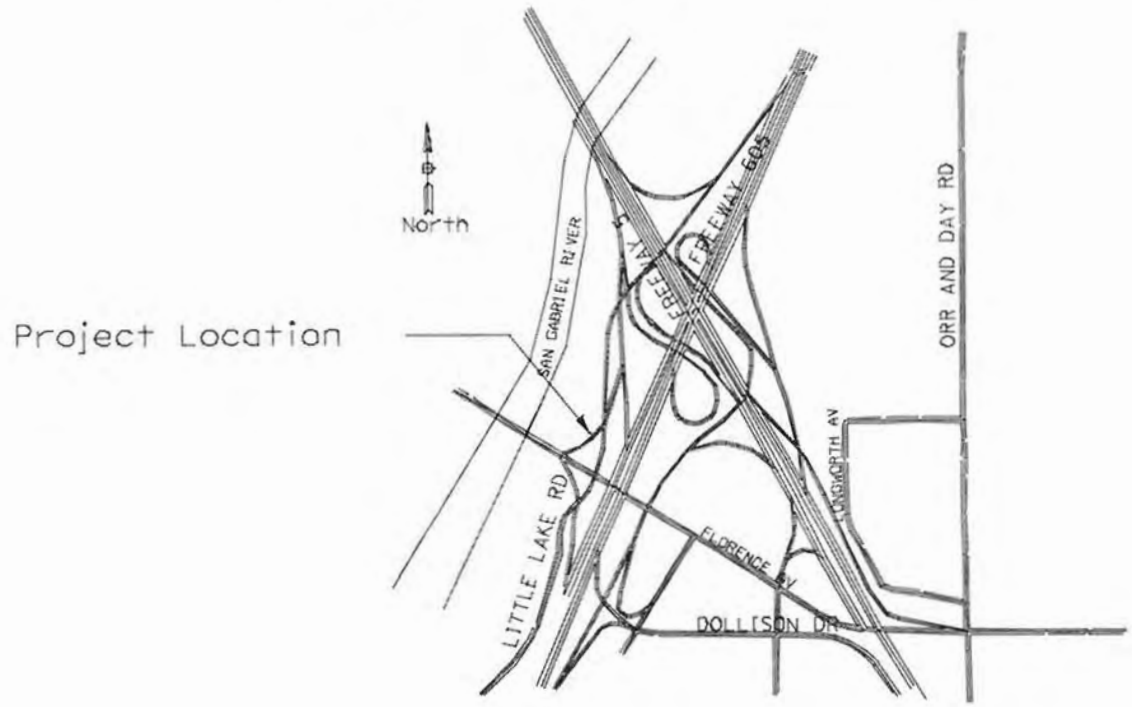
Caltrans Metric

07-LA-L5810
07-604-209200
201.352 Program
2006 SHOPP
12/01/05

FACILITY PROJECT STUDY REPORT

FLORENCE MAINTENANCE STATION



On Route 605 At the Florence Maintenance Station

I have reviewed the right of way information contained in this Facility Project Report and the R/W Data Sheet attached hereto, and find the data to be complete, current, and accurate:

Dan E. Murdock

ANDREW P. NIERENBERG, RIGHT OF WAY PROJECT DELIVERY MANAGER

APPROVAL RECOMMENDED:

Shafiqul Islam

SHAFIQUL ISLAM, 201.352 PROGRAM ADVISOR

Hany Messiha

HANY MESSIHA, PROJECT MANAGER

APPROVAL RECOMMENDED:

SRI BALASUBRAMANIAN, CHIEF HOMELAND SECURITY

APPROVED:

KAREN FONG, ACTING DEPUTY DISTRICT DIRECTOR, DIVISION OF MAINTENANCE

07-LA-L5810
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201.352 Program
2006 SHOPP
12/01/05

This Facility Project Study Report has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

Rania Wassily

Rania Wassily,

12/28/05

Date

REGISTERED CIVIL ENGINEER

I. INTRODUCTION

A. Summary of Proposal:

It is proposed to construct new offices/equipment storage buildings, 2 truck bays, and new tubular steel fence and gate at the Florence Maintenance Station on the existing land. This facility will replace the existing trailer and office building at this location and provide a better work environment for Maintenance employees.

B. Location of Project:

Florence Maintenance Station is located at 10903 Florence Avenue in the City of Downey. Please see Attachment A for project location.

C. Estimated Cost:

The estimated construction cost is $ 4,025,000 (Attachment C), which will be funded from the State Highway Operation, and Protection Program (SHOPP-201.352 Program) in the 2009/2010 Fiscal Year.

II. EXISTING CONDITION AND PROJECTED GROWTH

A. Description of Existing Facility

The existing maintenance facility was originally constructed in 1967 with other additions in 1986. This facility was originally designed as a single landscape crew facility. A maintenance crew was assigned to this station and they currently work out of a trailer, while the landscape crew occupies the office building. There are several sea trains (used for storage), a new canopy and wash rack. During construction the existing trailer will be repositioned within this site. Therefore, the current maintenance crew will not have to relocate.

B. History/Recent Modifications:

1- The site was paved in early 2004.

2-A canopy covering the wash rack was installed in 2003.

3-In 1986 a new women's restroom and additional office space was constructed.

C. Joint Use Opportunities:

There are no plans for joint use opportunities.

D. Projected Growth and Workload:

Two crews, the Roadway Maintenance crew and the Landscape crew currently occupy the facility with a total number of personnel of 20.

III. DEFICIENCIES

A. Description of Deficiencies

The existing maintenance facility consists of a trailer, office building, canopy, wash rack and several sea trains. The existing facility is insufficient for two crews and the existing 6-foot fence is substandard. Due to the increase in workload, a need to expand has been identified for this maintenance facility. To comply with building codes, Americans with Disability Act (ADA) provisions, and employee needs the maintenance facility must be upgraded.

B. Needs

The Construction of the Florence Street Facility is necessary because:

1. Maintenance will be able to move out of their existing substandard trailers and move into a fully functional facility that addresses all of their needs.

2. This will make the maintenance facility comply with the Cal/OSHA regulations and California Labor Codes.

C. Benefits

1. The new maintenance station will provide a more efficient facility.

2. The new maintenance station will provide an area where equipment can be repaired.

3. Use of the existing site is more cost effective than the purchase of new land combined with relocation costs.

4. The new building will provide space for one Maintenance Crew and one Landscape Crew and a better storage space.

5. This maintenance station can function as a staging facility during major emergencies due to its strategic location and easy access to numerous freeways.

6-The new proposed fence will provide a secure work environment for Maintenance employees.

IV. ALTERNATIVES

There are two alternatives being considered in this project:

I. No build: The existing Maintenance crew would remain in the leased trailer but there will still be not enough storage spaces.

II. Reconstruction of existing maintenance station: Replace current trailer and office building with new maintenance facility at existing location. Provide more organized storage areas for k-rails, barriers and more. This is the preferred alternative.

V. PROPOSAL

A. Caltrans proposes to construct a facility that will house 20 employees and maintenance vehicles and associated equipment. The project site is approximately 1.5 acres in size and located entirely within state right of way.

B. The proposed maintenance facility will house two crews and the following is the proposed recommendations:

1-Replace the existing trailer with a new building to be used by the Roadway Maintenance crew.

2-Replace the existing Landscape Maintenance crew building with a new building to meet the current standards.

3-Provide two storage buildings to replace the old sea trains that are currently used.

4-Provide two truck bay spaces.

5-Replace the old 6-foot fences with a new tubular fence and gate.

6-Existing wash rack and canopy is to remain.

C-The buildings are proposed to be of masonry block exterior and metal roofing.

VI. Right of Way Issues

All the proposed work is within state's right of way.

VII. Environmental Issues

No hazardous material is expected within the project limits. An Environmental Impact Report and Environmental Impact Statement could become necessary if there are significant impacts and/or if a public controversy arises. Preparation time for these documents could range from twelve to twenty-four months.

A. Hazardous Waste

The Hazardous Waste Unit will conduct an Initial Site Assessment (ISA) and Site Investigation.

B. Air Quality Conformity

An air quality analysis will be required. Based on previous completed studies for similar projects no significant impacts are anticipated.

C. Resource Conservation

The proposed construction will comply with all current codes and regulations related to energy conservation.

VIII. PROPOSED FUNDING AND SCHEDULE

This project will be funded from the 201.352 (HA12) Major Construction funds in the 2009/2010 Fiscal Year, which is part of the State Highway Operations and Protection Program (SHOPP).

IX. TITLE VI CONSIDERATIONS

This project as proposed complies completely with the provisions of the Americans with Disabilities Act.

X. OTHER CONSIDERATIONS

This project will use an English unit of measure.

XI. PROJECT PARTICIPANTS

The following individuals are involved in this project:

Shafiqul Islam	Senior Transportation Engineer, Maintenance	(213) 897-0845
Hany Messiha	Project Manager	(213) 897-2311
Rania Wassily	Project Engineer, Maintenance	(213) 897-7143
John Janton	Region Manager	(323) 723-6366
Don Sizemore	CRAO I	(323) 723-6366
Robert Bavier	CMAS	(562) 863-5694
Dan Murdoch	Right of Way (Exec Mgt.)	(213) 897-1816
Warren Lai	HQ-Architect	(916) 227-8239
Jim Sanders	HQ-HA12 Liaison	(916) 654-3510
Gerry Comer	HQ-Estimating-Transportation Architecture	(916) 227-8699

Attachments:

A) Aerial of Existing Site

B) Existing Site Plan

C) Right of Way Data Sheet

D) Cost Estimate - Preferred Alternative

E) Storm Water Data Report

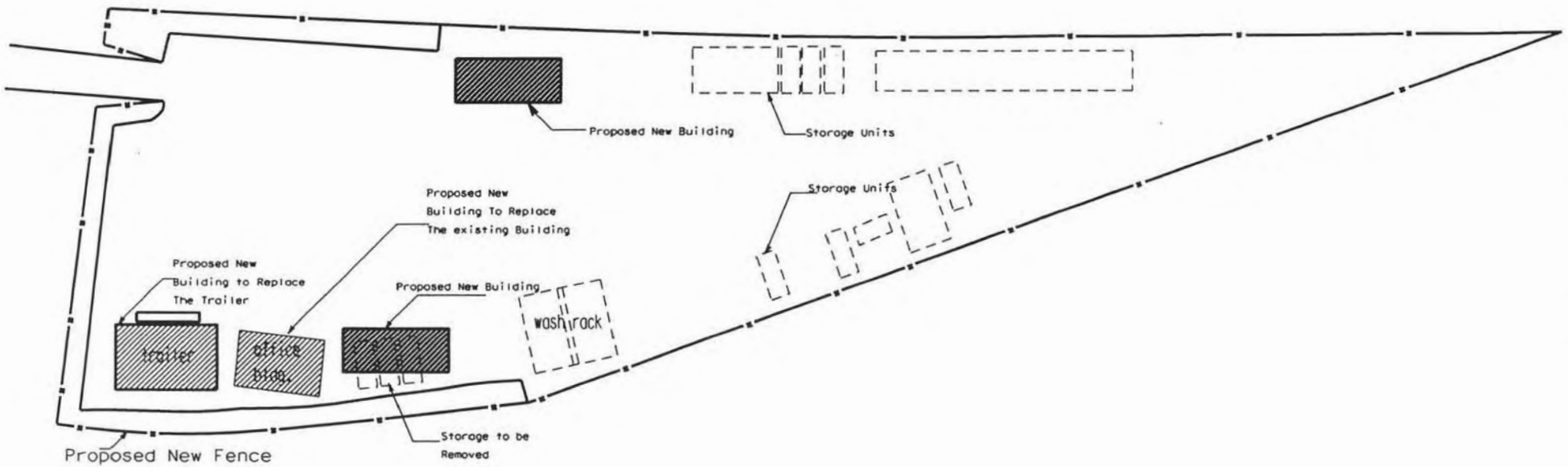
F) Maintenance Station Planning Questionnaire

Attachment A

07-LA-L5810
07-604-209200
201.352 Program
2006 SHOPP
12/01/05

PROJECT LOCATION

Attachment B



florence site plan

Not To Scale

Attachment C

TO **Shafiqul Islam**
ATTN **Rania Wassily**
PHONE **213-897-0771**
SENIOR R/W P&M
ROUTE 605
PM_KM 9.5 & 15.2
EA 209200
ALT

R/W DATA SHEET

Date of Data Sheet 12/22/2005
WBS
REVISED
UPDATED
PROJ_DESC Florence Maintenance Station-Facility Improvement

ID NO
1157

This cost estimate is pursuant to the following statements which are based on information provided by Shafiqul Islam .

This cost estimate is valid for the above scoping report only. This is an estimate only and not an appraisal. It may be based on worse case scenarios. The estimate is subject to change and revision.

The mapping did not provide sufficient nor adequate detail to determine the limits of thr Right of Way required and effects on the improvements.

The transportation facilities have not been sufficiently designed for our estimator to determine the damages to any of the remainder parcels affected by the project.

Residential displacement is not involved .

Utility facilities or Utility Right of Way are not affected.

Railroad facilities or R.R. Right of Way are not affected.

Right of Way work will be performed by Caltrans staff.

It is not known at this time if major items of Construction Contract Work is anticipated.

It is not known at this time whether there are any material borrow and/or disposal sites are required.

There are no potential relinquishments and/or abandonments.

Hazardous waste parcels are not evident

Time constraints precluded a detailed cost estimate.

The time schedule provided by the requesting party allowed for a field inspection.

RW COST ESTIMATE

	CURRENT VALUE	ESCALATED VALUE	
R/ w acq.(incl.contingency G.w-condem.-adm.s'tl.)Permits	**NONE**	**NONE**	NO RIGHT OF WAY
Clearance	**NONE**	**NONE**	
RAP (cont rate.)	**NONE**	**NONE**	
Escrow costs (cont rate.)	**NONE**	**NONE**	

Utility relocation costs	**NONE**	**NONE**
Total estimated cost	**NONE**	**NONE**

ESCALATION RATE RW .07
ESCALATION RATE Utilities
CERT.DATE 6/30/07

According to Rania Wassily, no RW is required for this job.

ROUTE 605
PM_KM 9.5 & 15.2
EA 209200
ALT

PARCEL COUNT

PARCEL TYPES	DUAL APPR.
A	
B	
C	
D	
F	
W	

RIGHTS NEEDED	
FEE	
EASE	
TCE	

TAKES	
FULL	
PART	
TOTAL	

DISPLACEMENT OF UNITS	
SFR	
MULTI	
BUS	

PARCELS WITH RAP: 0

POTENTIAL CLEARANCE PARCELS:

POTENTIAL CONDEMNATION PARCELS:

POTENTIAL EXCESS PARCELS: not known at this time.

ESTIMATE OF PY'S

APPRAISALS

	PY	HOURS
A		
B		
C		
D		
F		
W		
Dual		

ACQUISITIONS

	PY	HOURS
A		
B		
C		
D		
F		

UTILITIES

	PY	HOURS
PY U4 1		
PY U4 2		
PY U4 3		
PY U4 4		
PY U5 7		
PY U5 8		
PY U5 9	0.0273	48.3

RAILROAD

	PY	HOURS
C & M		
SC		
LIC/RE		

CONDEMNATION

PY	HOURS

CLEARANCE

PY	HOURS

RELOCATION

PY	HOURS

PERMITS

PY	HOURS

UTILITY INFORMATION

Are Utilities affected: no

	Quantities	Estimated Costs
none		$0

Are utility easements required _____ No. of easements _____ Are Utility agreements required no

Types of Util. Facilities & agrmts. required Description _____

TOTAL CURRENT COST NONE

CONST. COMPLETION DATE _____

UTILITY ESCALATION RATE _____

ESCALATED VALUE TO UTILITY CONSTRUCTION COMPLETION DATE NONE

RR INFORMATION

Are RR affected no

Describe affected RR none

WHEN BRANCH LINES OR SPURS ARE AFFECTED ,WOULD ACQUISITION AND OR PAYMENT OF DAMAGES TO BUSINESSES AND OR INDUSTRIES SERVED BY THE RAILROAD FACILITY BE MORE COST EFFECTIVE THAN SERVICE CONTRACTS ,OR GRADE SEPARATIONS REQUIRING CONSTRUCTION AND MAINTENANCE AGREEMENTS INVOLVED?

0

Explain Branch lines

DISCUSS TYPES OF AGREEMENTS AND RIGHTS REQUIRED FROM THE RAILROADS. ARE GRADE XING REQUIRING SERVICE CONTRACTS ,OR GRADE SEPARATIONS REQUIRING CONSTRUCTION AND MAINTENANCE AGREEMENTS INVOLVED

ESTIMATED COST TO THE STATE FOR ALL R.R. INVOLVEMENTS $0

		DATE
Right of Way Estimate prepared by	**Victor Lee**	**11/7/05**
Railroad Estimate prepared by	**Bob Thorpe**	**11/14/05**
Utilities Estimate prepared by	**Butch Mateo**	**12/14/05**

I have personally reviewed this R/W Data Sheet and all supporting information I certify that the probable highest and best use estimated values and assumptions are reasonable and proper subject to the limiting conditions set forth and I find this Data Sheet complete and current.

This Data Sheet is not to be signed by Chief unless accompanied by final scoping report(PR,PSR,PSSR) for review and/or signature.

CHIEF _____ 1-2-06

Attachment D

Item	Quantity	Unit	Item Total (w/o Contingency)	Item Total (with 25% Contingency)
Building Spaces			$ 1,360,000	$ 1,700,000
Maintenance Building Office	2400	SF		
Equipment Service/Storage Bays	3800	SF		
Appurtenant Spaces			$ 941,000	$ 1,176,250
Hazardous material Storage	2	EA		
Covered Dumpster Bins (1@ 10x20)	200	SF		
Covered Material Storage Bins (6@ 20x40)	4800	SF		
Equipment			$ 285,000	$ 356,250
Air Compressor (5 hp) ***M11-01***	1	EA		
Crane-Bridge (3 ton) ***M11-01***	1	EA		
Crane-Bridge structure (w-o/fdns) ***M11-01***	1	EA		
Emergency Eye Wash & Shower ***M11-01***	3	EA		
Fan-Declass (1 / bay) ***M11-01***	2	EA		
Lube Equipment System (5 product) ***M11-01***	1	EA		
Waste Oil Stor. Tank w/pump (500 gal) ***M11-01***	1	EA		
Gate Card Lock System ***E***	1	EA		
Security Alarm Sys.(Bldgs. & Gates) ***E***	1	EA		
Security/Yard Lighting (10 stds.) ***E11-01***	1	EA		
Fire sprinkler systems	3800	SF		
Standpipe Truck Filler ***WW***	1	EA		
Shelving	1	EA		
Tire Rack	1	EA		
			For Programming Use	**$ 3,300,000**

Florence Maintenance Station
District Site Development Estimate EA#07-209200

DATE	EXPENDITURE AUTHORIZATION	BUDGET ALLOCATION
21-Nov-05	**EA.209200**	
DISTRICT COUNTY	ROUTE	SOURCE OF FUNDS
7 L5810 LA	**605**	
FEDERAL AID NUMBER	DESCRIPTION	
	FLORENCE MAINTENANCE STATION	

Item Number Code	Item description	Unit	Quantity	Unit Price	Amount
70012	Progress Schedule (CPM)	LS	1	$10,000	$10,000
74019	SWPPP	LS	1	$15,000	$15,000
190101	Roadway Excavation	M^3	300	$32	$9,600
390186	Asphalt Concrete -TYPE B	TONN	50	$150	$7,500
260201	Aggregated Base Class 2	M^3	50	$75	$3,750
731516	Minor Concrete (Driveway)	M^3	50	$400	$20,000
153210	Remove Concrete	M^3	50	$100	$5,000
	Tubular Steel Fence	M	350	$200	$70,000
	Tubular Steel Gate	EA	2	$10,000	$20,000
150608	Remove Chain Link Fence	M	350	$20	$7,000
	Landscaping & Sprinklers	LS	1	$40,000	$40,000
	Pavement Marking	LS	1	$5,000	$5,000
842000	Parking Bumper	EA	50	$100	$5,000
	Relocate Trailers	LS	1	$20,000	$20,000
	Sewer Connection	LS	1	$30,000	$30,000
170101	Water Connection	LS	1	$20,000	$20,000
66911	Electrical Connection	LS	1	$10,000	$10,000
	Gas Connection	LS	1	$10,000	$10,000
66596	Additional Water Pollution Control	LS	1	$20,000	$20,000
	Construction Site BMP's	LS	1	$90,000	$90,000
	Clarifier and sewer pump system	LS	1	$15,000	$15,000
	Remove Sea Trains-Cleaning	LS	1	$30,000	$30,000
66610	Partnering	LS	1	$5,000	$5,000
66105	R E Office	LS	1	$100,000	$100,000
	Subtotal Site Development				**$567,850**
	Contingencies (25%)				$141,963
	Total Site Development				**$709,813**

Prepared By	Checked By	
Rania Wassily		**Call $725,000**

Attachment E

APPENDIX E

Short Form - Storm Water Data Report

Caltrans Metric

Dist-County-Route: 07-LA-605 (L5810)
Florence Maintenance Station
Kilometer Post (Post Mile) KP 15.3 / PM 9.5
Project Type: Building Construction
EA: 209200
RU: 07-604
Program Identification: 201.352
Phases: ✓ PID
❑ PA/ED
❑ PS&E

Regional Water Quality Control Board(s): Region 4, Los Angeles

1.	Is the project required to consider incorporating Treatment BMPs?	Yes ❑	No ✓
2.	Does the project disturb more than 0.1 hectares of soil?	Yes ❑	No ✓
3.	Is the project part of a Common Plan of Development?	Yes ❑	No ✓
4.	Does the project potentially create permanent water quality impacts?	Yes ❑	No ✓
5.	Does the project require a notification of ADL reuse?	Yes ❑	No ✓

If the answer to any of the preceding questions is "Yes", prepare a Long Form - Storm Water Data Report.

Estimated Construction Start Date: June 30, 2009 Construction Completion Date: June 30, 2009

Separate Dewatering Permit (if yes, permit number) Yes ❑ Permit # _____ No ❑ N/A ✓

This Short Form - Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Rania Wassily 12/19/05
Rania Wassily, Registered Project Engineer/Landscape Architect Date

I have reviewed the storm water quality design issues and find this report to be complete, current, and accurate:

STAMP
[Required for PS&E only]

Shirley Yuk 12/22/2005
Shirley Yuk, District/Regional SW Coordinator or Designee Date

Attachment F

Appendix A

Maintenance Station Planning Questionnaire

Person preparing questionnaire: SKEAD PATTON

Date: 9/20/05 Title: MAINTENANCE SUPERVISOR

File: _____ Phone Number: (562) 863-0748

PROJECT INFORMATION

Name of Station: FLORENCE MAINTENANCE STATION

Address: 10903 FLORENCE AVENUE
DOWNEY, CA. 90241

District: 07 County: 53 Location Code: _____ Unit: 6045

EA Number: _____ Special Designation: _____

District PS&E Target Date: _____ FY of Construction: _____

Program: _____ SHOPP Cost Estimate: $ _____

REMARKS

A. LOCAL AGENCY INFORMATION

A.1 The District HA-1 Project Coordinator, the District Project Development Planner, and the District Project Engineer must have a thorough understanding of the project and discuss the following related issues with Local Agencies:

A.1.a	Community concerns?	Yes ☐ No ☑
A.1.b	Site landscaping guidelines?	Yes ☐ No ☑
A.1.c	Ornamental fencing desired (i.e., CMU wall)?	Yes ☑ No ☐
A.1.d	Opposition to security fencing?	Yes ☐ No ☑
A.1.e	Fire considerations?	Yes ☐ No ☑
A.1.f	Sound attenuation considerations?	Yes ☐ No ☑
A.1.g	Historical sensitive issues?	Yes ☐ No ☑
A.1.h	Archaeological finds on site?	Yes ☐ No ☑
A.1.i	Environmental concerns?	Yes ☑ No ☐
A.1.j	City/County Development Guidelines?	Yes ☑ No ☐

REMARKS

A.2 Contact list for City/County offices and personnel:

A.2.a Planning Department: _____
Contact Person: _____ Phone: _____

A.2.b Public Works: _____
Contact Person: _____ Phone: _____

A.2.c Fire Department: _____
Contact Person: _____ Phone: _____

A.2.d Water Utility: _____
Contact Person: _____ Phone: _____

A.2.e Sewer Utility: _____
Contact Person: _____ Phone: _____

A.2.f Electrical Utility: _____
Contact Person: _____ Phone: _____

A.2.g Natural Gas Utility: _____
Contact Person: _____ Phone: _____

A.2.h Telephone Utility: _____
Contact Person: _____ Phone: _____

A.2.i Communications Co.: _____
Contact Person: _____ Phone: _____

The specific information needed from the above departments is listed in Appendix D, Maintenance Station Site Survey Request.

REMARKS

B. FACILITY INFORMATION

B.1 This facility will be operational:
- 8 Hours per day? Yes ☑ No ☐
- 16 Hours per day? Yes ☐ No ☐
- 24 Hours per day? Yes ☐ No ☐

B.1.a Yes 16/24 hours per day: List number and type of night crews.

_____ _____
_____ _____
_____ _____

B.2 Will the facility be operational up to 24 hours per day in the event of a natural disaster or public emergency? Yes ☑ No ☐

B.3 Will the facility require night lighting for special activities/tasks beyond low-level general area illumination? Yes ☑ No ☐

B.3.a Yes: List areas that will need night lighting.
ENTIRE FACILITY
_____
_____

B.4 Will the facility require special security fencing? Yes ☑ No ☐

B.5 Will the facility require a security alarm system? Yes ☑ No ☐

B.6 Will the facility have radio communications? Yes ☑ No ☑

B.6.a Yes: Type of radio equipment? _____
_____
_____

B.6.b Yes: Height of radio tower? _____

B.7 Are there any reasons *not to use* skylights? Yes ☐ No ☑
_____

C. PERSONNEL INFORMATION

C.1 How many crews are tentatively scheduled to occupy the facility? —

C.2 Types of crews:

Road maintenance:	1	# crews	1	# people	7
Landscape maintenance:	1	# crews	1	# people	9
Snow removal:		# crews		# people	
Special crew (specify)		# crews		# people	
Special crew (specify)		# crews		# people	
Special crew (specify)		# crews		# people	
Special crew (specify)		# crews		# people	
Special crew (specify)		# crews		# people	
Special crew (specify)		# crews		# people	

C.3 What is the total number of personnel tentatively scheduled to be employed at this facility during the next ten years? 20

C.4 What is the anticipated percentage of women to be employed at this facility during the next ten years? 3-7

D. WHEELED EQUIPMENT INFORMATION

D.1 Number of pieces of wheeled equipment less than 15 feet long? (autos, pickups, small trailers, skip-loaders, etc.) 10

D.2 Number of pieces of wheeled equipment less than 30 feet long but longer than 16 feet? (dump trucks, road graders, etc.) 10

D.3 Number of pieces of wheeled equipment longer than 31 feet? (flatbed trucks, etc.) 0

D.4 Number of pieces of wheeled equipment to be stored inside the equipment building? (i.e., the number of equipment storage bays) 4

D.5 Number of pieces of wheeled equipment to be stored under cover but not inside the equipment building? (yard parking) 10

D.6 Special requirements for wheeled equipment? —

E. FUNCTIONAL INFORMATION

E.1 What tasks will the maintenance crews be performing?

E.1.a	Patching, repairing, and resurfacing pavement?	Yes ☑ No ☐
E.1.b	Painting stripes on roadway pavement?	Yes ☐ No ☑
E.1.c	Erosion control?	Yes ☑ No ☐
E.1.d	Pickup of litter and debris?	Yes ☑ No ☐
E.1.e	Planting and maintaining roadside landscape?	Yes ☑ No ☐
E.1.f	Trimming trees?	Yes ☑ No ☐
E.1.g	Repairing sprinkler systems?	Yes ☑ No ☐
E.1.h	Painting and maintaining bridges?	Yes ☐ No ☑
E.1.i	Maintaining traffic control lights?	Yes ☐ No ☑
E.1.j	Maintaining highway lighting?	Yes ☐ No ☑
E.1.k	Installing traffic signs	Yes ☐ No ☑
E.1.l	Maintaining pump plants?	Yes ☑ No ☐
E.1.m	Other? (specify)	Yes ☐

REMARKS

E.2 What tasks related to snow and ice removal will the maintenance crews be performing?

E.2.a	Roadway snow removal?	Yes ☐ No ☑
	Snowplows stored at facility?	Yes ☐ No ☑
E.2.b	Spreading of sand to control ice?	Yes ☐ No ☑
	Amount spread in one season? _____	
E.2.c	Spreading of salt to control ice?	Yes ☐ No ☑
	Amount spread in one season? _____	
E.2.d	Other? (specify)	
	_____	Yes ☐
	_____	Yes ☐
E.2.e	If the answer to any of the above questions is yes, is this facility to be classed as a snow station?	Yes ☐ No ☑

REMARKS

F. SITE INFORMATION

F.1 Has the site been selected? Yes ☐ No ☐

F.1.a Yes: Obtain location map; one-mile radius around site, with north direction and street names shown.

F.1.b No: When is site selection anticipated? _____

F.2 Is the site owned by Caltrans? Yes ☑ No ☐

F.2.a Yes: Date of acquisition? _____

F.2.b No:When is acquisition anticipated? What are the possible snags that could prevent acquisition?

_____

_____

F.3 Has a Preliminary Soils Investigation been completed? Yes ☐ No ☐

F.3.a Yes: Date of completion? _____
Obtain copy of report.

F.3.b No: This needs to be completed immediately.
Contact appropriate District Engineers.

F.4 Has a Site Survey been completed? Yes ☐ No ☑

F.4.a Yes: Date of completion? _____
Obtain copy of the survey.

F.4.b No: This needs to be completed immediately. Contact District surveying crew and schedule survey. Refer to Attachment "E", Site Survey Checklist.

F.5 Is water service utility available at the site? Yes ☑ No ☐

F.5.a No: How will water service be provided?

_____

_____

F.6 Is sanitary sewer service utility available at the site? Yes ☑ No ☐

F.6.a No: How will sanitary sewer service be provided?
Soil testing will be performed prior to finalizing the septic system design.

F.7 Is natural gas service utility available at the site? Yes ☑ No ☐

F.7.a No: How will natural gas service be provided?

F.8 Is electrical power service utility available at the site? Yes ☑ No ☐

F.8.a No: How will electrical power service be provided?

F.9 Is telephone service utility available at the site? Yes ☑ No ☐

F.9.a No: How will telephone service be provided?

F.10 Has a hazardous waste survey been made? Yes ☑ No ☐

F.10.a Yes: Describe the hazardous material?
How did material get on site?
Is Caltrans responsible for removal?

F.10.b No: Survey must be completed prior to design start.

F.11 Is the site sloped so as to require a retaining wall? Yes ☐ No ☑

F.11.a Yes: Show contour lines on Site Survey. Obtain from District Engineers scale site plan showing placement of retaining walls and detail(s) of retaining wall sections. —

F.12 Does any part of the site have a freeway bridge running over it? Yes ☐ No ☑

F.12.a Yes: Show drop line of freeway bridge and location of all bridge columns on Site Survey.

F.13 What is the current zoning of the site? Yes ☐ No ☐

F.13.a Obtain a copy of the local area zoning map.

F.14 What is the land use of adjacent properties?

F.14.a North? EDISON PROPERTY

F.14.b East? STATE HWY

F.14.c South? CITY STREET

F.14.d West? EDISON PROPERTY

F.15 What is the weather at the site?

F.15.a What is the usual annual rainfall? _____

F.15.b What is the maximum 24-hour rainfall? _____

F.15.c What is the usual annual snowfall? 0

F.15.d What is the maximum 24-hour snowfall? 0

F.15.e What is the maximum wind speed? _____

During which month of the year? _____

F.15.f What is the prevailing wind direction? _____

F.15.g What is the prevailing wind speed? —

F.15.h What is the maximum temperature? _____

During which month of the year? _____

F.15.i What is the minimum temperature? _____

During which month of the year? _____

F.15.j What is the winter mean temperature? _____

F.15.k What is the summer mean temperature? _____

F.16 Has a site specific asbestos investigation been performed for any existing buildings? Yes ☐ No ☑

F.16.a Yes: Describe condition, type, and approximate quantity.

F.16.b No: Survey must be completed prior to start of design.

G. MATERIAL STORAGE INFORMATION

G.1 Will this facility be a regional office? Yes ☐ No ☑

G.2 Yes: Will a materials warehouse be included? Yes ☑ No ☐

G.2.a Yes: What materials will be stored? GUARDRAIL / FENCE / TOOLS

G.2.b Yes: What size of warehouse floor area is required to store these materials?

G.3 Other than warehouse storage, what types and quantities of materials will be stored at this facility?

	Material	Requirement	Quantity	Container Size
G.3.a	Oil based paint?	Yes ☑ No ☐	15-20	CANS
G.3.b	Latex based paint?	Yes ☑ No ☐		
G.3.c	Solvents?	Yes ☑ No ☑		
G.3.d	Herbicides?	Yes ☑ No ☑		
G.3.e	Fertilizer?	Yes ☐ No ☑	—	
G.3.f	Pesticides?	Yes ☐ No ☑		
G.3.g	Antifreeze?	Yes ☑ No ☐	10	GL
G.3.h	Lubrication oils?	Yes ☑ No ☐	10	GL
G.3.i	Hydraulic oil?	Yes ☑ No ☐	10	GL
G.3.j	Waste oil?	Yes ☑ No ☐	10	GL

	Material	Requirement	Quantity	Container Size
G.3.k	Batteries	Yes ☐ No ☑		
G.3.l	Acids?	Yes ☐ No ☑		
G.3.m	Empty containers?	Yes ☐ No ☑		
G.3.n	Road flares?	Yes ☑ No ☐	30	CASES
G.3.o		Yes ☐ No ☐		
G.3.p		Yes ☐ No ☐		
G.3.q		Yes ☐ No ☐		

H. SPACE, APPURTENANT STRUCTURES, AND FACILITY ACCESSORY EQUIPMENT INFORMATION

Which of the spaces listed will be included in the project:

H.1 Regional Office

	Space Name	Quantity	Required?
H.1.a	Regional Manager's Office?		Yes ☐ No ☑
H.1.b	Area Superintendent's Office?		Yes ☐ No ☑
H.1.c	Records Storage Room?		Yes ☐ No ☑
H.1.d	Clerical Space?		Yes ☐ No ☑
H.1.e	Office Equipment Alcove?		Yes ☐ No ☑
H.1.f	Office Supply Storage?		Yes ☐ No ☑
H.1.g	Conference/Training Room?		Yes ☐ No ☑
H.1.h	Staff Break Room?		Yes ☐ No ☑
H.1.i	Permit Office?		Yes ☐ No ☑
H.1.j	Foyer/Lobby?		Yes ☐ No ☑
H.1.k	Men's Restroom?		Yes ☐ No ☑
H.1.l	Women's Restroom?		Yes ☐ No ☑
H.1.m	Kitchen?		Yes ☐ No ☑
H.1.n	Janitor's Closet?		Yes ☐ No ☑
H.1.o	Mechanical Room?		Yes ☐ No ☑
H.1.p	Secure Computer Room?		Yes ☐ No ☑

H.1.q	Electrical Closet?	_____	Yes ☐	No ☑
H.1.r	Draftperson's Work Area	_____	Yes ☐	No ☑
H.1.s	Radio/Map Room?	_____	Yes ☐	No ☑
H.1.t	_____	_____	Yes ☐	No ☐
H.1.u	_____	_____	Yes ☐	No ☐
H.1.v	_____	_____	Yes ☐	No ☐
H.1.w	_____	_____	Yes ☐	No ☐

H.2 Maintenance Station Office

	Space Name	Quantity	Required?	
H.2.a	Area Superintendent's Office?	_____	Yes ☐	No ☑
H.2.b	Supervisor/Leadworker's Office?	_____	Yes ☐	No ☑
H.2.c	Crew Room?	_____	Yes ☐	No ☑
H.2.d	Radio/Map Room?	_____	Yes ☐	No ☑
H.2.e	Men's Locker Room?	_____	Yes ☐	No ☑
H.2.f	Women's Locker Room?	_____	Yes ☐	No ☑
H.2.g	Men's Shower?	_____	Yes ☐	No ☑
H.2.h	Women's Shower?	_____	Yes ☐	No ☑
H.2.i	Unisex Shower?	_____	Yes ☐	No ☑
H.2.j	Men's Restroom?	_____	Yes ☐	No ☑
H.2.k	Women's Restroom	_____	Yes ☐	No ☑
H.2.l	Utility Cove?	_____	Yes ☐	No ☑
H.2.m	Janitor's Closet?	_____	Yes ☐	No ☑
H.2.n	Office Supply Storage Closet?	_____	Yes ☑	No ☐
H.2.o	Mechanical Room?	_____	Yes ☐	No ☑
H.2.p	Dead File Storage Room?	_____	Yes ☑	No ☐
H.2.q	Electrical Closet?	_____	Yes ☐	No ☑
H.2.r	Computer/FAX/Copier Space?	_____	Yes ☐	No ☑
H.2.s	Vestibule?	_____	Yes ☐	No ☑
H.1.t	_____	_____	Yes ☐	No ☐
H.2.u	_____	_____	Yes ☐	No ☐
H.2.v	_____	_____	Yes ☐	No ☐

H.3 Equipment and Storage Buildings

	Space Name	Quantity	Required?
H.3.a	Service Bay?	_____	Yes ☐ No ☑
H.3.b	Storage Bay?	_____	Yes ☑ No ☐
H.3.c	Special Crew Bay?	_____	Yes ☑ No ☐
H.3.d	Crew Secure Storage?	_____	Yes ☑ No ☐
H.3.e	Utility Room?	_____	Yes ☑ No ☐
H.3.f	Small Parts Storage?	_____	Yes ☑ No ☐
H.3.g	Special Crew Storage?	_____	Yes ☑ No ☐
H.3.h	Storage Loft?	_____	Yes ☑ No ☐
H.3.i	Mechanic's Room	_____	Yes ☐ No ☑
H.3.j	Gas and Oil Room?	_____	Yes ☐ No ☑
H.3.k	High Pressure Washer Room?	_____	Yes ☐ No ☑
H.3.l	Herbicide Storage?	_____	Yes ☐ No ☑
H.3.m	Fertilizer Storage?	_____	Yes ☐ No ☑
H.3.n	Warehouse Storage?	_____	Yes ☑ No ☐
H.3.o	Covered Equipment Storage?	_____	Yes ☑ No ☐
H.3.p	_____	_____	Yes ☐ No ☐
H.3.q	_____	_____	Yes ☐ No ☐

H.4 How many welding outlets are needed in the equipment building?

_____

_____

Which of the appurtenant structures listed will be included in the project:

H.5 Appurtenant Structures

	Space Name	Quantity	Required?
H.5.a	Fuel Island?	_____	Yes ☐ No ☑
H.5.b	Emulsion Tank?	_____	Yes ☐ No ☑
H.5.c	LPG Enclosure?	_____	Yes ☐ No ☑
H.5.d	Vehicle Wash Rack?	_____	Yes ☐ No ☑
H.5.e	Sand Storage?	_____	Yes ☐ No ☑
H.5.f	Salt Storage?	_____	Yes ☐ No ☑
H.5.g	Materials Bins?	_____	Yes ☐ No ☑
H.5.h	Cinder Storage?	_____	Yes ☐ No ☑
H.5.i	Radio Tower?	_____	Yes ☐ No ☑
H.5.j	Trash Bin?	_____	Yes ☐ No ☑
H.5.k	Facility Sign(s)?	_____	Yes ☐ No ☑
H.5.l	Sander Rack?	_____	Yes ☐ No ☑
H.5.m	Perimeter Fencing?	_____	Yes ☐ No ☑
H.5.n	_____	_____	Yes ☐ No ☐
H.5.o	_____	_____	Yes ☐ No ☐
H.5.p	_____	_____	Yes ☐ No ☐
H.5.q	_____	_____	Yes ☐ No ☐

H.6 Is the Vehicle Wash Rack required to be covered? Yes ☐ No ☑

H.7 Is the Fuel Island required to be covered? Yes ☐ No ☑

Which of the facility accessory equipment listed will be included in the project:

H.8 Facility Accessory Equipment

	Space Name	Quantity	Required?
H.8.a	Diesel Fuel Dispensing Equip.?	_____	Yes ☐ No ☑
H.8.b	Gas Fuel Dispensing Equip.?	_____	Yes ☐ No ☑
H.8.c	LPG Dispensing Equip.?	_____	Yes ☐ No ☑
H.8.d	Portable Vehicle Lift?	_____	Yes ☐ No ☑
H.8.e	Lube Equipment?	_____	Yes ☐ No ☑
H.8.f	Air Compressor?	_____	Yes ☐ No ☑
H.8.g	Waste Oil Storage Tank?	_____	Yes ☐ No ☑
H.8.h	High Pressure Washer?	_____	Yes ☐ No ☑
H.8.i	Traveling Crane?	_____	Yes ☐ No ☑
H.8.j	Radio Equipment?	_____	Yes ☐ No ☑
H.8.k	Standby Generator?	_____	Yes ☑ No ☐
H.8.l	Battery Charger?	_____	Yes ☑ No ☐
H.8.m	Standpipe Filler?	_____	Yes ☐ No ☑
H.8.n	Emerg. Eyewash and Shower?	_____	Yes ☑ No ☐
H.8.o	Vehicle Exhaust/Vent. System?	_____	Yes ☑ No ☐
H.8.p	Security Lighting?	_____	Yes ☑ No ☐
H.8.q	_____		Yes ☐ No ☐
H.8.r	_____		Yes ☐ No ☐
H.8.s	_____		Yes ☐ No ☐