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U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF No. MKN - PAS - 0 0 1 - 0
	Sheet # 1 of ____ Federal Project # EO ER - ____ ( )
	Disaster No. CA 1 2 - 2 PR ER - ____ ( )

Applicant	County	Incident Date (mm/dd/yyyy)	Inspection
CITY OF PASADENA	LOS ANGELES	12/01/2011	06/25/2012

Location of Damage: Per Site ✓ or ☐ Per Mile

Federal-aid Highway? Y for yes, if no, ineligible for ER funds: Y

Name of Road/Bridge: VARIOUS LOCATIONS, SEE ATTACHMENTS

PM Begin: ____ PM Length: ____ (in feet)

PM End: ____

Map No: 13U54-55, 13V14-15

Functional Classification Type: Major Collector, Minor & Principal Arterial

Route #: Various

Road/Bridge Data: Bridge No ____ Type: ____

Traveled Way: Width ____ Type: PCC ☐ AC ☐ Gravel ☐

Shoulder: Width ____ Type: PCC ☐ AC ☐ Gravel ☐

Forest Hwy? Y/N: N Interstate? Y/N: N

Existing ADT: ____

Description of Damage: Emergency Opening - Safety issues, debris cleanup (downed trees, street lights, signals, uplifted sidewalk).

COST ESTIMATE

	Type of Repair	Description of Work	Cost Summary	
Emergency Opening (EO)	EO- AGENCY FORCES CT Work Order #(s): ____ EA(s): ____	SEE ATTACHMENTS	PE	
			CE	
			Construction	112,453
	EO- CONTRACT EO EA(s): ____	SEE ATTACHMENTS	PE	
			CE	
			Construction	1,410,140
	NOTE: Environmental documentation for EO is required. It is generally started after work has begun.		R/W	
		Subtotal Emergency Opening		$1,522,593
Permanent Restoration (PR)	PR- CONSTRUCTION FA requires an approved PIF ☐ Contract ☐ FA PR EAs ____	NONE JUN 12 2012	PE	
			CE	
			Construction	
	NOTE:PRIOR AUTHORIZATION (APPROVED E-76) IS REQUIRED TO PROCEED WITH PERMANENT RESTORATION R/W & CONSTRUCTION		R/W	
	NOTE: Environmental clearance for permanent restoration is conducted through normal Federal-aid procedures	**Subtotal Permanent Restoration**		$0

Eligible	Signature	Date		
✓ Yes ☐ No	Local Agency (if applicable): Daniel A. R.	06/11/12	PE Total	$0
✓ Yes ☐ No	Caltrans: [signature]	06/25/12	CE Total	$0
☐ Yes ☐ No	FHWA*: NOT APPLICABLE		R/W Total	$0
			Construction Total	$1,522,593
		TOTAL ESTIMATE		**$1,522,593**

Agency sig. Name (print): DANIEL A. RIX, CITY ENGINEER

CT signature Name (print): ____

FHWA Sig. Name (print): ____

DAF Prepared by (print): SEAN SINGLETARY, ENGINEER

Original: Caltrans District **Copies**: FHWA, Division of Local Assistance(local roads), Federal Resources (state hwy), HQ Major Damage Engineer (state hwy)
*Write "N/A" in FHWA signature block if the project has no Federal ER funding or Federal ER funding delegated to the State.
FHWA Signature: REQUIRED for all Federal Funded State projects. REQUIRED for any Local Agency projects with 1) any BETTERMENT, 2) more than 2 ROW takes or 3) when paving is more than 50% of the Total Estimated Cost. **Reminder: This DAF must be accompanied by photos of the damage.**

FHWA CA Form (CA Rev 12/10)

CITY OF PASADENA WINDSTORM 2011
EVENT ELIGIBILITY RATIO BREAKDOWN:

There were 2714 logged events responded to by City personnel, LA County Staff, or contract forces during the windstorm cleanup period (November 30, 2011 – December 2, 2011). Because of the widespread, emergency nature of the cleanup, City and contract forces were not able to log each cleanup location as it was repaired. The following ratios were employed to determine FHWA billable repairs.

Street Repair

106 of 2714 events, or **4%**, were considered **Street Repair** events (uplifted sidewalk, curb, gutter, drive approach, cross gutter, curb ramp, or other concrete item that needed to be asphalted for pedestrian and vehicular ingress/egress). Of these 106 events, 40, or **38%**, occurred on federal aid routes. Therefore:

*Contract Forces: $2,035,799 * 0.04 * 0.38 = $30,944*
County Forces: $0
*City Staff (Direct Costs): $264,346 * 0.04 * 0.38 = $4,018*
*City Staff (Indirect Costs 39.87%): $22,891 * 0.04 * 0.38 *0.3987 = $139*
Total: $35,101

Street Lighting and Traffic Signals

337 of 2714 events, or **13%**, were considered **Street Lighting and Traffic Signal** events (downed or broken street light and traffic signal poles). Of these 337 events, 209, or **62%**, occurred on federal aid routes. Therefore:

*Contract Forces: $2,035,799 * 0.13 * 0.62 = $164,085*
County Forces: $0
*City Staff (Direct Costs): $264,346 * 0.13 * 0.62 = $21,306*
*City Staff (Indirect Costs 39.87%): $22,891 * 0.13 * 0.62 *0.3987 = $736*
Total: $186,127

Tree Debris Clearance

2271 of 2714 events, or **83%**, were considered **Tree Debris Clearance** events. Of these 2271 events, 853, or **38%**, occurred on federal aid routes. Additionally, Los Angeles County forces aided in the cleanup of key routes in the City, comprising **60%** of federal aid routes. Therefore:

*Contract Forces: ($2,035,799 * 0.83 * 0.38) + ($760,000 * 0.38) = $930,891*
*County Forces: $570,722.14 * 0.83 * 0.60 = $284,220*
*City Staff (Direct Costs): $264,346 * 0.83 * 0.38 = $83,375*
*City Staff (Indirect Costs 39.87%): $22,891 * 0.83 * 0.38 *0.3987 = $2,879*
Total: $1,301,365

TOTAL ELIGIBLE COSTS: $1,522,593

CITY OF PASADENA - 2011 WINDSTORM COSTS SUMMARY

Los Angeles County	Total	Streets	Lighting	Tree Debris
Invoice RE-PW-12011707205	$240,187	$0	$0	$119,613
Invoice RE-PW-12021608146	$118,285	$0	$0	$58,906
Invoice SA120000409	$199,669	$0	$0	$99,435
Invoice RE-PW-12031609036	$12,581	$0	$0	$6,266
Total	$570,722	$0	$0	$284,220

Contract Forces	PO #	Total	Streets	Lighting	Tree Debris
Alta Pasa Community	49471	$74,999	$1,140	$6,045	$23,655
Asplundh Tree Experts	49731	$175,000	$0	$0	$66,500
George Salinas	49822	$450,000	$0	$0	$171,000
TLC	49823	$135,000	$0	$0	$51,300
VCI	TBD	$520,000	$7,904	$41,912	$164,008
Clean Street	49779	$24,300	$369	$1,959	$7,664
LAC Motor Enterprises	49745	$270,000	$4,104	$21,762	$85,158
Newman Backhoe Service Inc	49743	$270,000	$4,104	$21,762	$85,158
Northwest Excavating Inc	49780	$200,000	$3,040	$16,120	$63,080
Crooks Truck & Equipment Rental	49753	$270,000	$4,104	$21,762	$85,158
TLC	49879	$194,000	$2,949	$15,636	$61,188
So-Cal Tree Care & Landscape	TBD	$212,500	$3,230	$17,128	$67,023
Total		$2,795,799	$30,944	$164,085	$930,891

City Staff - Direct Costs	Org #	Total	Streets	Lighting	Tree Debris
Street Maint & Integrated Waste	764120	$8,980	$136	$724	$2,832
Street Maint & Integrated Waste	764130	$1,368	$21	$110	$431
Street Maint & Integrated Waste	764200	$1,452	$22	$117	$458
Street Maint & Integrated Waste	764310	$11,588	$176	$934	$3,655
Street Maint & Integrated Waste	764320	$18,928	$288	$1,526	$5,970
Street Maint & Integrated Waste	764340	$11,437	$174	$922	$3,607
Street Maint & Integrated Waste	764400	$4,329	$66	$349	$1,365
Street Maint & Integrated Waste	764410	$7,984	$121	$644	$2,518
Street Maint & Integrated Waste	764412	$4,890	$74	$394	$1,542
Street Maint & Integrated Waste	764420	$29,381	$447	$2,368	$9,267
Parks & Natural Resources	765100	$9,140	$139	$737	$2,883
Parks & Natural Resources	765110	$12,162	$185	$980	$3,836
Parks & Natural Resources	765111	$10,986	$167	$885	$3,465
Parks & Natural Resources	765115	$15,635	$238	$1,260	$4,931
Parks & Natural Resources	765210	$39,329	$598	$3,170	$12,404
Parks & Natural Resources	765300	$18,492	$281	$1,490	$5,832
Parks & Natural Resources	765400	$2,327	$35	$188	$734
Parks & Natural Resources	765500	$3,711	$56	$299	$1,170
Building Systems & Fleet Mgmt	766111	$4,976	$76	$401	$1,569
Building Systems & Fleet Mgmt	766112	$785	$12	$63	$248

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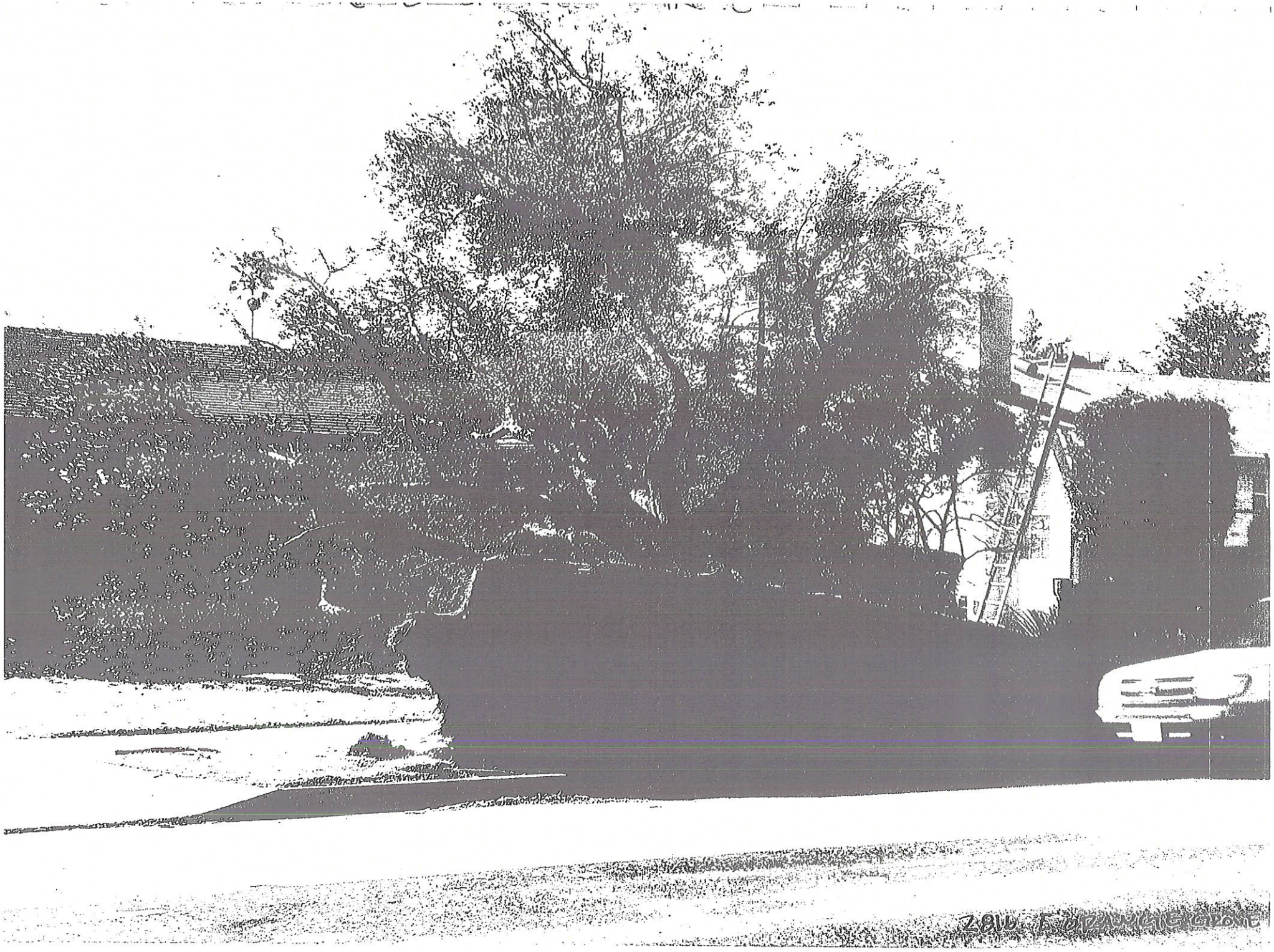
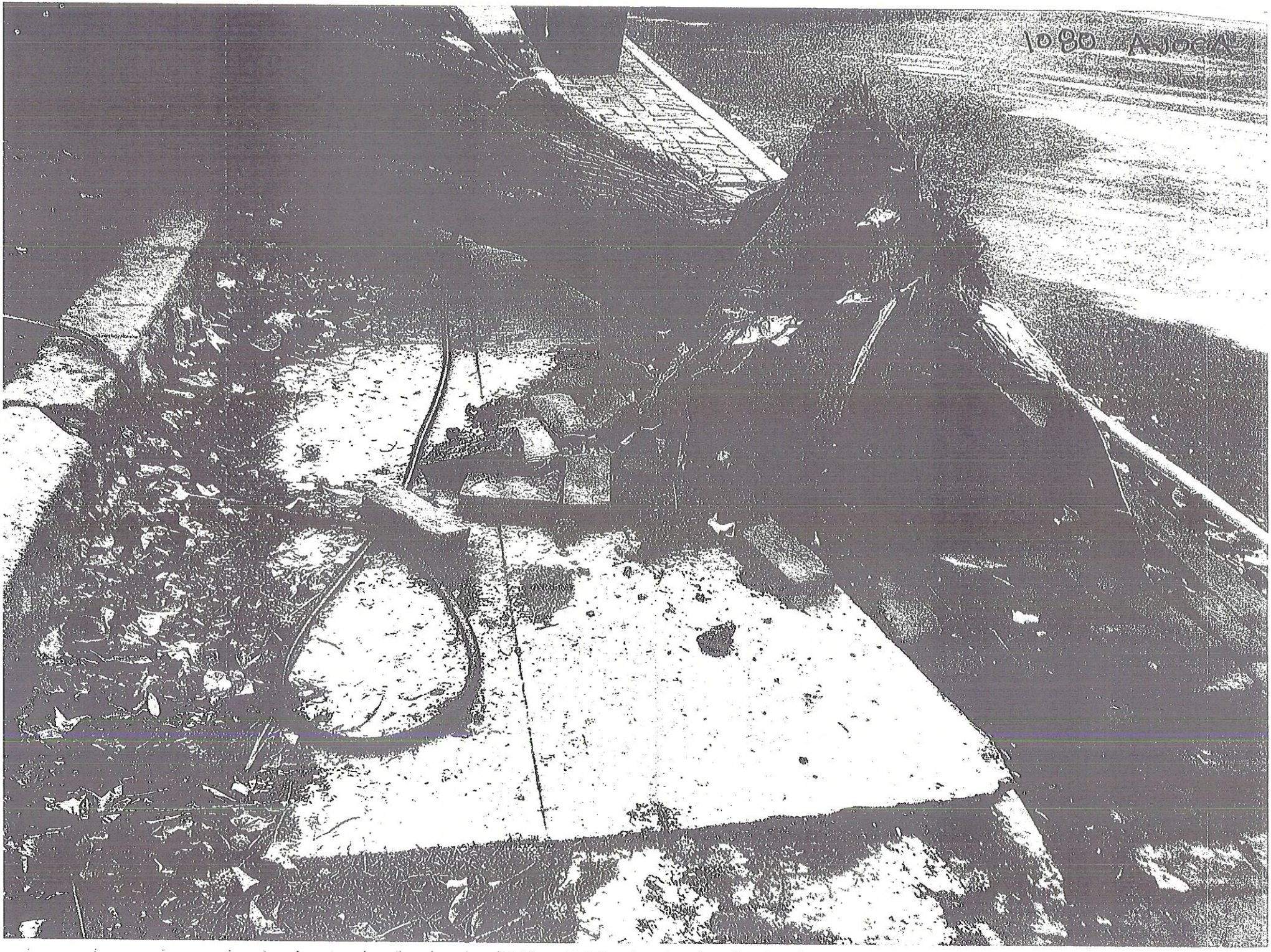

Z-81b E. ORANGE GROVE

SCHOOL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Federal Aid Data System

HELP (Rev 6/2012)

Friday, June 29, 2012
You are logged in as:
S133741 MAI KHOI NGUYEN

Project Request | DAF | Reports | User Profile | Administration | Log Off | Home

Listing of Revisions for This DAF

Select Edit to update the DAF below. Select Delete to delete the DAF. Select Create Revision to create a revision for this DAF.

Report No: MKN-PAS -001 Disaster No: CA2012-2 County: 037 - LA

	Rev No	Created By	Create Date	Last Updated By	Update Date
Edit Delete Create Revision	0	NGUYEN, MAI KHOI	06/06/2012	NGUYEN, MAI KHOI	06/26/2012

DAF | DAF Status

Report No: MKN-PAS -001-0 Disaster No: CA2012-2 County: 037 - LA Incident Date: 12/01/2011 mm/dd/yyyy Inspect Date: 06/25/2012

District: 07 Admin: LOCAL Responsible Agency: 5064

Applicant: CITY OF PASADENA Func. Class Code: Select one

Save

Road/Bridge Name: VARRIES, LISTS OF LOC. ARE IN PROJ. FI Per Site or Per Mile: PER SITE Begin PM: End PM: Total Feet: 0.00

Bridge No: Type:
Traveled Way Width: Type: Select one
Shoulder Width: Type: Select one

Federal Aid Hwy: ○ Yes ○ No Map No:
Forest Hwy System: ○ Yes ◉ No State/Local Rte No:
Interstate: ○ Yes ◉ No ADT (Existing):

Damage Description (at most 400 characters):

EO- SAFETY ISSUES,DEBRIS CLEANUP(DOWNED TREES, STREET LIGHTS, SIGNALS, UPLIFTED SIDEWALK)

COST ESTIMATE

Emergency Opening Agency Forces

SPN/Contract No:

Description of Work: SEE PROJECT FILE FOR EACH LOCATIONS.

Cost Summary
PE:
CE:
CON: 112,453.00

CT Work Order No: 1: 2: 3: 4: 5:

Emergency Opening Contract

SPN/Contract No:

Description of Work: SEE PROJECT FILE FOR EACH LOCATIONS.

Cost Summary
PE:
CE:
CON: 1,410,140.00
R/W:

Subtotal Emergency Opening: 1,522,593.00

Permanent Restoration

Contract Type: Select one
SPN:

Description of Work:

Cost Summary
PE:
CE:
CON:
R/W:

Subtotal Permanent Restoration:

Preliminary Engineering Total:	
Construction Engineering Total:	
Right of Way Total:	
Construction Total:	1,522,593.00
Total Estimated:	1,522,593.00

Eligible		Last Name	First Name	Date	
(●) Yes ( ) No ( ) N/A	Local Agency:	RIX	DANIE.A	06/11/2012	mm/dd/yyyy
(●) Yes ( ) No	Caltrans:	NGUYEN	MAI K	06/25/2012	mm/dd/yyyy
( ) Yes ( ) No ( ) N/A	FHWA:				mm/dd/yyyy

Created By: NGUYEN , MAI KHOI Date: 06/06/2012 Last Updated By: NGUYEN, MAI KHOI Date: 06/26/2012

Save Reset