

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)		DAF No. <u>RBS</u> - <u>LACO</u> - <u>001</u> - <u>0</u>	Sheet # 1 of <u>18</u> Federal Project # EO ER - ()
Applicant <u>LACO Dept. of Public Works</u> County <u>Los Angeles</u>		Disaster No. CA <u>13</u> - <u>2</u> PR ER - ()	Incident Date (mm/dd/yyyy) <u>05/30/2013</u> Inspection <u>11/25/13</u>
Location of Damage: Per Site <input checked="" type="checkbox"/> or <input type="checkbox"/> Per Mile		Federal-aid Highway? Y for yes, if no, ineligible for ER funds <input type="checkbox"/> Y	
Name of Road/Bridge: <u>Lake Hughes Road & Pine Canyon Rd (BR 758)</u>		Map No <u>13T41, 13T51</u>	
PM Begin: <u>1.22</u> PM Length: <u>11,616.00</u> (in feet)		Functional Classification Type: <u>Major Collector (both roads)</u>	
PM End: <u>BR 1209</u>		Route # <u>FR 7N09, N2</u>	
Road/Bridge Data:	Bridge No <u>758 & 1209</u> Type: <u>Wood & Concrete</u>	Forest Hwy? Y/N <input type="checkbox"/> Y Interstate? Y/N <input type="checkbox"/> N	
Traveled Way:	Width <u>24'</u> Type: PCC <input type="checkbox"/> AC <input checked="" type="checkbox"/> Gravel <input type="checkbox"/>	Existing ADT: <u>653</u>	
Shoulder:	Width <u>2-20'</u> Type: PCC <input type="checkbox"/> AC <input checked="" type="checkbox"/> Gravel <input checked="" type="checkbox"/>		
Description of Damage:	As the result of the Powerhouse Fire, guardrail and terminal systems at the following locations were damaged or destroyed: Lake Hughes Rd - MM 1.22, 1.81, 2.09, 3.04 & BR 1209 (X250000743 & X250000738) Pine Canyon Rd - at BR 758 (X250000737)		

DEC 11/18/2013 PS

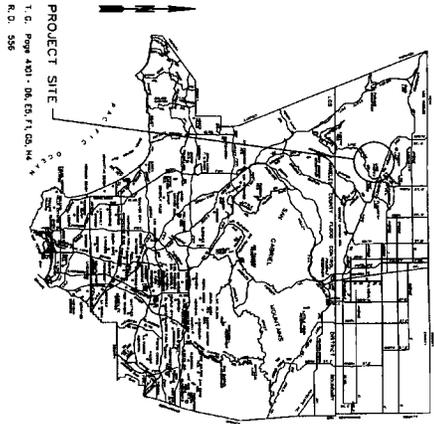
COST ESTIMATE				
Emergency Opening (EO)	Type of Repair	Description of Work	Cost Summary	
	Emergency Opening (EO)	EO- AGENCY FORCES CT Work Order #(s): _____ EA(s): _____	Remove K-rails and site grading.	PE
			CE	1,200
			Construction	20,000
EO- CONTRACT EO EA(s): _____		Replace damaged wood guard rail and terminal systems with steel or wood guard rail & terminal systems.	PE	29,685
		CE	19,790	
		Construction	98,951	
NOTE: Environmental documentation for EO is required. It is generally started after work has begun.			R/W	5,000
			Subtotal Emergency Opening	\$177,426
Permanent Restoration (PR)	PR- CONSTRUCTION FA requires an approved PIF <input type="checkbox"/> Contract <input type="checkbox"/> FA PR EAs _____		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
<input checked="" type="checkbox"/> Eligible	Signature	Date	PE Total	\$32,485
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Local Agency (if applicable): <u>[Signature]</u>	<u>11/19/13</u>	CE Total	\$20,990
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Caltrans: <u>Reynaldo B. Sarmiento</u>	<u>11/26/13</u>	R/W Total	\$5,000
<input type="checkbox"/> Yes <input type="checkbox"/> No	FHWA*: <u>NOT APPLICABLE</u>		Construction Total	\$118,951
TOTAL ESTIMATE				\$177,426

Agency sig. Name (print): Allan Abramson FHWA Sig. Name (print): NOT APPLICABLE
 CT signature Name (print): REYNALDO SARMIENTO DAF Prepared by (print): Tung Vu

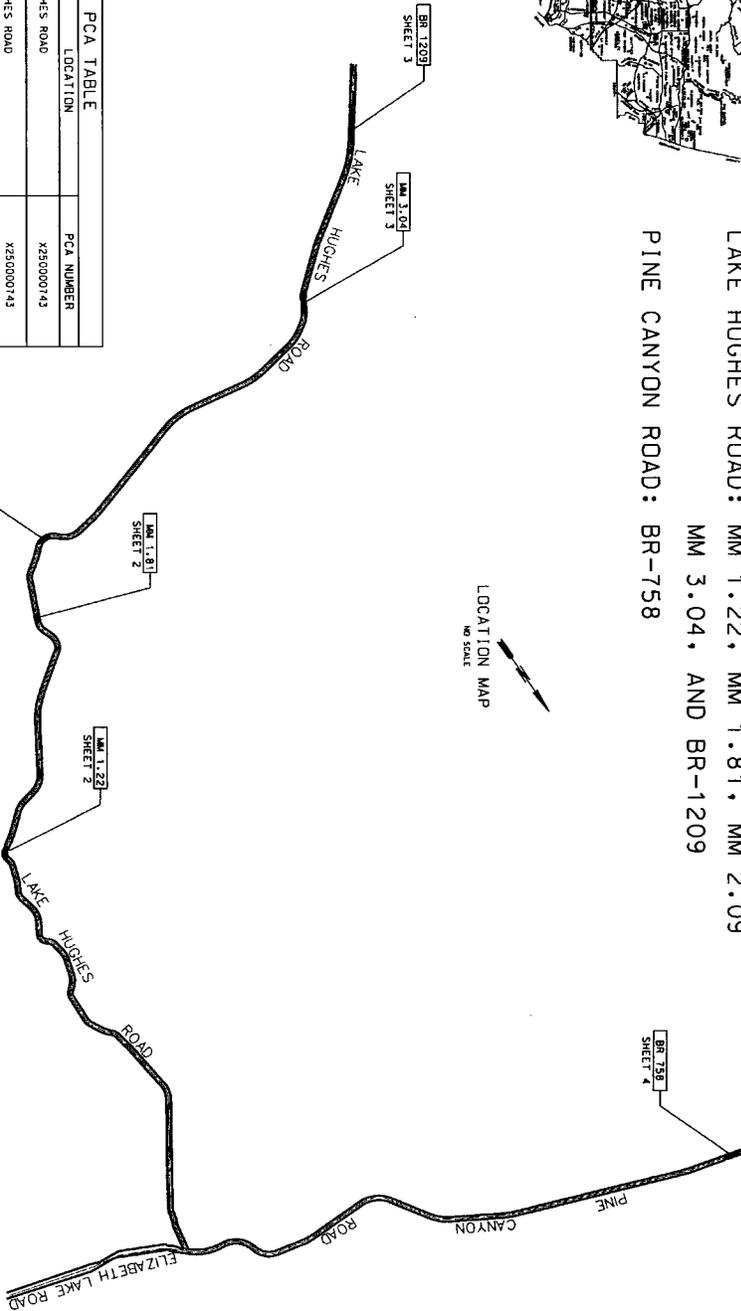
Original: Caltrans District **Copies:** FHWA, Division of Local Assistance(local roads), Federal Resources (state hwy), HQ Major Damage Engineer (state hwy)
 *Write "N/A" in FHWA signature block if the project has no Federal ER funding or Federal ER funding delegated to the State.
FHWA Signature: REQUIRED 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.**

COUNTY OF LOS ANGELES
 DEPARTMENT OF PUBLIC WORKS
 POWERHOUSE FIRE GUARDRAIL REPAIR
 VARIOUS LOCATIONS

LAKE HUGHES ROAD: MM 1.22, MM 1.81, MM 2.09
 MM 3.04, AND BR-1209
 PINE CANYON ROAD: BR-758



LOCATION MAP
 NO SCALE



MILE MARKER	LOCATION	PCA NUMBER
MM 1.22	LAKE HUGHES ROAD	X250000743
MM 1.81	LAKE HUGHES ROAD	X250000743
MM 2.09	LAKE HUGHES ROAD	X250000743
MM 3.04	LAKE HUGHES ROAD	X250000743
BR-758	PINE CANYON ROAD	X250000137
BR-1209	LAKE HUGHES ROAD	X250000738

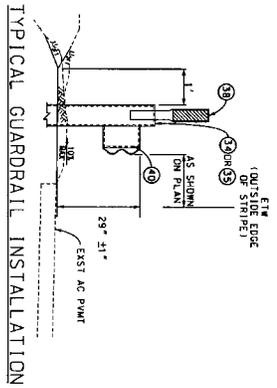
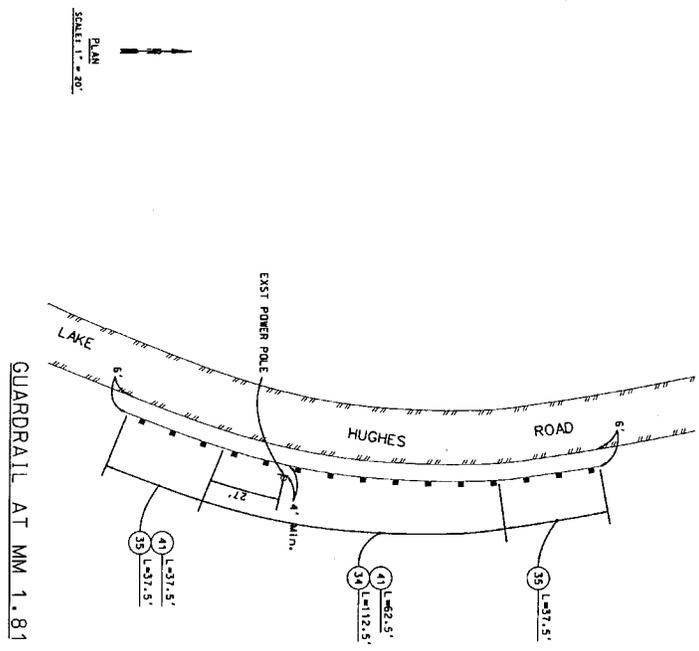
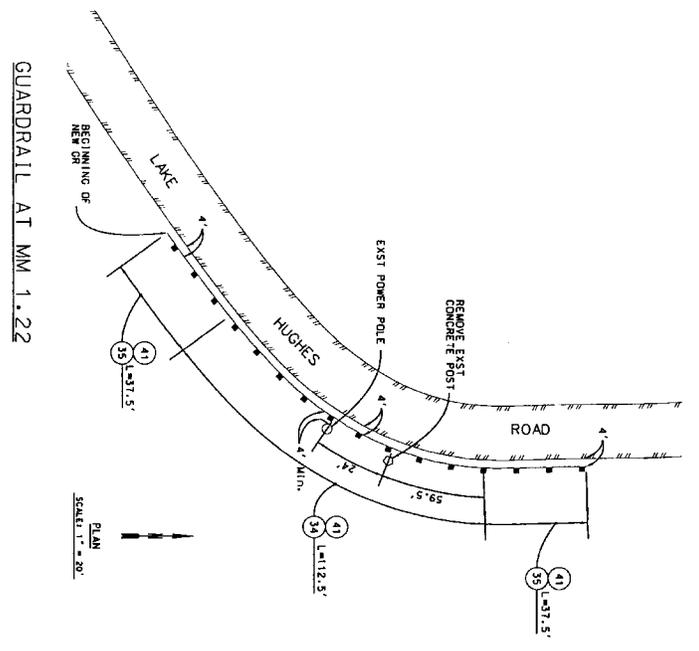
TWO DAYS BEFORE YOU DO
 CALL US AT TOLL FREE
 1-800-227-2600

DATE: 9/4/12
 BY: [Signature]
 TITLE: [Title]

DATE	BY	REVISIONS

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 POWERHOUSE FIRE GUARDRAIL
 REPAIR VARIOUS LOCATIONS
 LAKE HUGHES ROAD AND PINE CANYON ROAD
 TITLE SHEET
 PROJECT ID NO. HD00015901
 SHEET 1 OF 4

PROPOSED FOR CONSTRUCTION: []
 ADVERTISED: []
 AS BUILT: []



- NOTES:**
1. Install guardrail delineation per Caltrans Std Plan AT7C4 @ 25' spacing.
 2. In the terminal system must be ET-PLUS HBA and installed per 2010 Caltrans Standard Plan AT7E1 (Type 11A Layout) and per manufacturer's recommendations (Trinity Highway Products, LLC, P.O. Box 99, Centerville UT 84022, telephone (800) 722-1916).
 3. Each terminal system installed must be identified by adopting the type of terminal system in most block letters and figures 2 inches high on the backside of the rail element between system posts numbers 4 and 5.

STANDARD PLANS
 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
 STANDARD PLANS- 2010 EDITION

- AT7A2 METAL BEAM GUARD RAILING STANDARD RAILING SECTION (STEEL POST WITH NOTCHED WOOD OR NOTCHED RECYCLED PLASTIC BLOCK)
- AT7C4 METAL BEAM GUARD RAILING TYPICAL RAILING DELINEATION AND DUNE POSITIONING DETAILS
- AT7E1 METAL BEAM GUARD RAILING TYPICAL LAYOUT FOR EMBANKMENTS

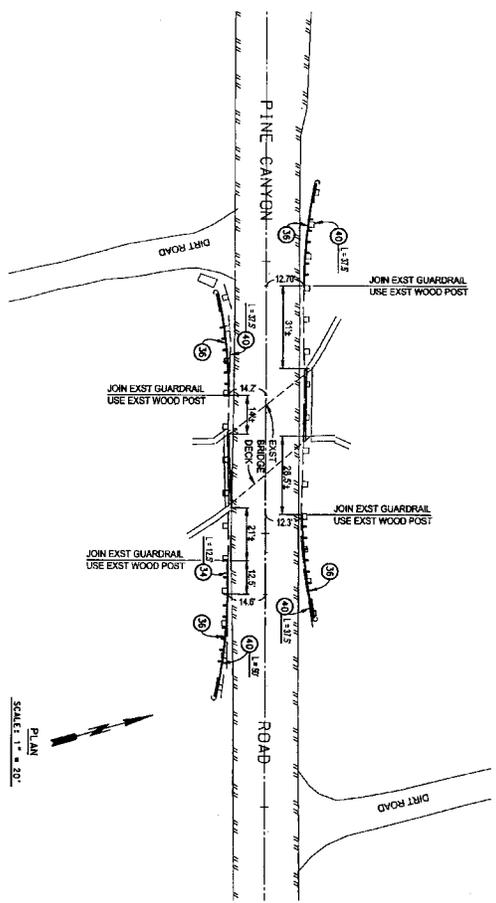
CONSTRUCTION LEGEND

- 39 METAL BEAM GUARD RAIL PER CALTRANS STD PLAN AT7A2
- 35 IN-LINE TERMINAL SYSTEM END TREATMENT (TYPE ET-PLUS HBA BY TRINITY HIGHWAY PRODUCTS)
- 41 RAILING DELINEATION PER CALTRANS STD PLAN AT7C4
- 40 REMOVE AND DISPOSED OF EXIST METAL BEAM GUARDRAIL
- 41 REMOVE K-RAIL BY OTHERS

DATE	BY	DESCRIPTION

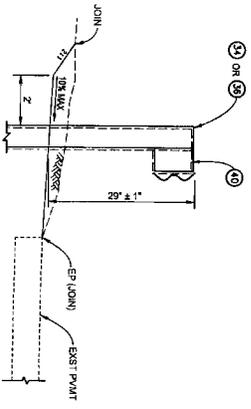


COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
POWERHOUSE FIRE GUARDRAIL REPAIR VARIOUS LOCATIONS
 MM 1.22, MM 1.81
 GUARDRAIL DETAILS, NOTES & PLAN
 PROJECT ID NO. RDC0015901
 DRAWN BY: [Signature] DWG



GUARDRAIL AT BR 758

SCALE 1" = 20'



TYPICAL GUARDRAIL INSTALLATION

- CONSTRUCTION LEGEND**
- ⑲ METAL BEAM GUARD RAIL - PER CALTRANS STD PLAN A77A1
 - ⑳ FLARED TERMINAL SYSTEM END TREATMENT - L=37'-5" (TYPE SHIT BY TRINITY HIGHWAY PRODUCTS OR EQUIVALENT)
 - ㉑ REMOVE AND DISPOSE OF EXIST METAL BEAM GUARDRAIL

STANDARD PLANS
 STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
 STANDARD PLANS, 2010 EDITION
 A77A1 METAL BEAM GUARD RAILING STANDARD RAILING
 SECTION (WOOD POST WITH WOOD BLOCK)

NOTES:

1. TYPE SRT TERMINAL SYSTEM MUST BE AN SRT-350 SLOTTED RAIL TERMINAL (8-POST SYSTEM) AS DEVELOPED BY TRINITY HIGHWAY PRODUCTS, LLC, AND MUST INCLUDE ITEMS DETAILED IN THE STANDARD PLANS. THE SRT-350 SLOTTED RAIL TERMINAL (8-POST SYSTEM) CAN BE OBTAINED FROM THE TRINITY HIGHWAY PRODUCTS, LLC, P.O. BOX 99, CENTERVILLE UT 84012; TELEPHONE (800) 722-7195.
2. EACH TERMINAL SYSTEM INSTALLED MUST BE IDENTIFIED BY PAINTING THE TYPE OF TERMINAL SYSTEM IN NEAT BLACK LETTERS AND FIGURES 2 INCHES HIGH ON THE BACKSIDE OF THE RAIL ELEMENT BETWEEN SYSTEM POSTS NUMBERS 4 AND 5.
3. FOR THE SRT TERMINAL SYSTEM, THE STEEL FOUNDATION TUBES WITH SOIL PLATES ATTACHED SHALL BE PLACED AT THE CONSTRUCTION SITE EITHER DRIVEN WITH OR WITHOUT PILOT HOLES, OR PLACED IN A PRE-DRILLED HOLE. THE STEEL FOUNDATION TUBES MUST BE BACKFILLED WITH SELECTED EARTH, FREE OF ROCK, PLACED IN 6" LAYERS. THE WOOD TERMINAL POSTS MUST BE INSERTED INTO THE STEEL FOUNDATION TUBES BY HAND AND MUST NOT BE DRIVEN. BEFORE THE WOOD TERMINAL POSTS ARE INSERTED, THE INSIDE SURFACES OF THE STEEL FOUNDATION TUBES TO RECEIVE THE WOOD POSTS MUST BE COATED WITH A GREASE THAT WILL NOT MELT OR RUN AT A TEMPERATURE OF 149° OR LESS. THE EDGES OF THE WOOD TERMINAL POSTS MAY BE SLIGHTLY ROUNDED TO FACILITATE INSERTION OF THE POST INTO THE STEEL FOUNDATION TUBES.

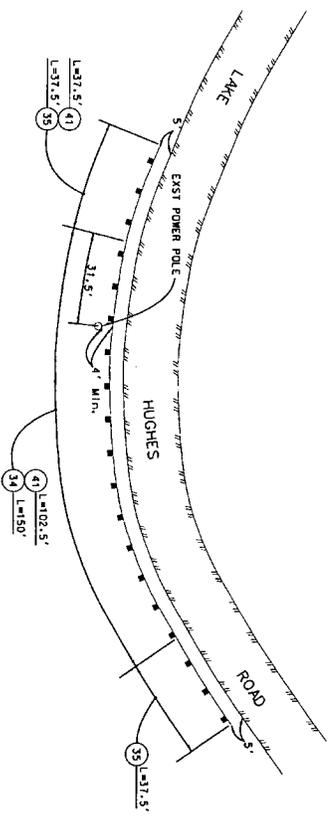
TWO DAYS BEFORE YOU DO
 CALL USA TOLL FREE
 1-800-227-2600

DATE	BY	REVISIONS

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 POWERHOUSE FIRE GUARDRAIL
 REPAIR VARIOUS LOCATIONS
 BR 758
 GUARDRAILS PLAN, NOTES, AND DETAILS
 PROJECT ID NO: RDC0015901
 PWA 2320000131 DAVC
 SHEET 4 OF 4

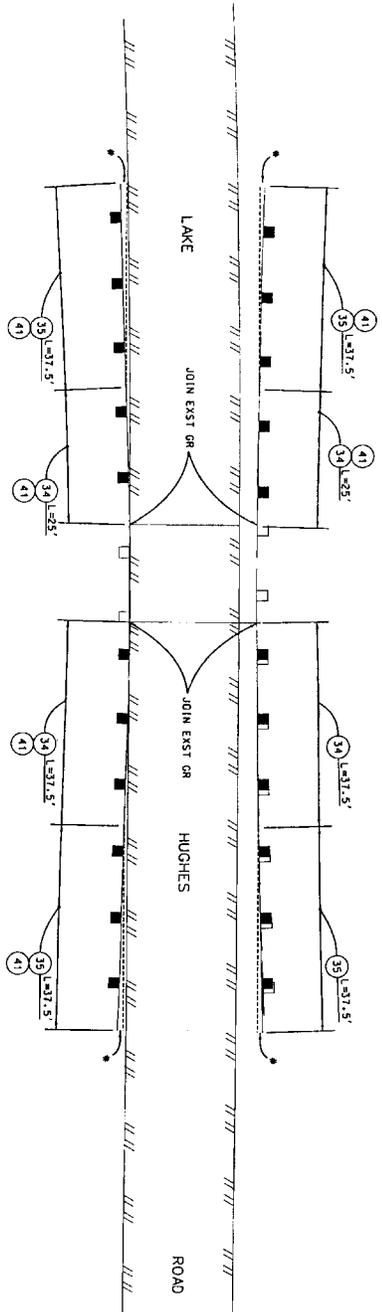
DRAWN BY: R. ALIAGA
 DESIGNED BY: R. ALIAGA
 CHECKED BY: W. LO
 CAD PROJECT FILE NAME: RDC0015901-PLAN-RD.DGN
 REVIEWED BY: [Signature]
 DATE: 11/11/09

* Use a traffic approach flare of 1 foot offset of the end of the terminal System (Type ET-PLUS 98A1)



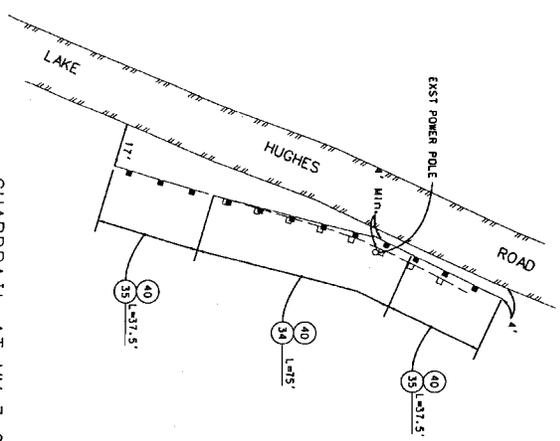
GUARDRAIL AT MM 2.09

PLAN
 SCALE: 1" = 20'



GUARDRAILS AT BR 1209

PLAN
 SCALE: 1" = 10'



GUARDRAIL AT MM 3.04

PLAN
 SCALE: 1" = 20'

DATE	NO.	REVISIONS	DESCRIPTION



COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 POWERHOUSE FIRE GUARDRAIL
 REPAIR VARIOUS LOCATIONS
 MM 2.09, MM 3.04, AND BR1209
 GUARDRAILS PLAN
 PROJECT ID NO. RDC0015901
 POX SEE TABLE DVG
 SHEET 3 OF 4

RBS-LACO-001
 LA County Dept of Public Works
 Sheet 6 of 18

WORK ORDER PROPOSAL
GUARDRAIL REPLACEMENT, NORTH LOS ANGELES COUNTY
JOC 1218

INSTRUCTIONS TO CONTRACTOR:

1. PLEASE RETURN THIS DOCUMENT TO PM WITHIN 14 CALENDAR DAYS.
2. PLEASE ATTACH WORK SCHEDULE TO THIS DOCUMENT.
3. PM WILL REVIEW ADJUSTMENTS (IF ANY) AND A "NOTICE TO PROCEED" (NTP) WILL BE ISSUED IF ADJUSTMENTS ARE ACCEPTED.
4. IF ADJUSTMENTS ARE NOT ACCEPTED, YOU WILL BE ASKED TO MODIFY THIS DOCUMENT WITHIN 2 CALENDAR DAYS OF REQUEST.

JOC WORK ORDER #	1218-502.00
PROJECT NAME:	Powerhouse Fire Guardrail Repair - Various Locations
PROJECT ADDRESS or LOCATION:	Lake Hughes Rd @ MM 1.22, 1.81, 2.09, 3.04, BR1209 and the S/side of BR798 on Pine Canyon Rd
PM NAME:	Glenn Tong
PM PHONE NUMBER:	(661) 947-7173 x230
PROJECT SCOPE OF WORK:	Replace damaged guardrail

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	X	ENGINEER'S QUANTITY	CONTRACTOR'S PROPOSED QUANTITY	AGREED TO QUANTITY	TOTAL ITEM COST
1	REMOVE AND DISPOSE OF EXISTING GUARDRAIL	LF	25-100	\$18.00	X	0			\$0.00
2	REMOVE AND DISPOSE OF EXISTING GUARDRAIL	LF	101-500	\$14.00	X	238	250		3,500.00
3	REMOVE AND DISPOSE OF EXISTING GUARDRAIL	LF	501+	\$10.00	X	0			\$0.00
4	METAL BEAM GUARD RAILING (STEEL POST)	LF	25-100	\$60.00	X	0			\$0.00
5	METAL BEAM GUARD RAILING (STEEL POST)	LF	101-500	\$45.00	X	0			\$0.00
6	METAL BEAM GUARD RAILING (STEEL POST)	LF	501+	\$30.00	X	586	600		18,000.00
7	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	1-5	\$3,200.00	X	2	2		6,400.00
8	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	6-10	\$3,000.00	X	0			\$0.00
9	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	11+	\$2,800.00	X	0			\$0.00
10	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1-5	\$3,800.00	X	0			\$0.00
11	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	6-10	\$3,500.00	X	0			\$0.00
12	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	11+	\$3,200.00	X	12	12		38,400.00
13	END ANCHOR ASSEMBLY (TYPE SFT)	EA	1-5	\$1,100.00	X	0			\$0.00
14	END ANCHOR ASSEMBLY (TYPE SFT)	EA	6-10	\$1,000.00	X	0			\$0.00
15	END ANCHOR END ANCHOR ASSEMBLY (TYPE SFT)	EA	11+	\$800.00	X	0			\$0.00
16	BURIED END POST END ANCHOR (A772)	EA	1-5	\$1,800.00	X	0			\$0.00
17	BURIED END POST END ANCHOR (A772)	EA	6-10	\$1,500.00	X	0			\$0.00
18	BURIED END POST END ANCHOR (A772)	EA	11+	\$1,200.00	X	0			\$0.00
19	RAILING DELINEATION PER CALTRANS STD PLAN A77C4	EA	1-50	\$50.00	X	41	41		2,050.00
20	RAILING DELINEATION PER CALTRANS STD PLAN A77C4	EA	51-300	\$35.00	X	0			\$0.00
21	RAILING DELINEATION PER CALTRANS STD PLAN A77C4	EA	300+	\$20.00	X	0			\$0.00
22	TRANSITION RAILING (TYPE WB)	EA	1-5	\$4,200.00	X	0			\$0.00
23	TRANSITION RAILING (TYPE WB)	EA	6-10	\$3,600.00	X	0			\$0.00
24	TRANSITION RAILING (TYPE WB)	EA	11+	\$2,800.00	X	0			\$0.00
25	AC DIKE (CALTRANS STD PLAN A87B)	LF	10-50	\$60.00	X	0			\$0.00
26	AC DIKE (CALTRANS STD PLAN A87B)	LF	50-100	\$45.00	X	0			\$0.00
27	AC DIKE (CALTRANS STD PLAN A87B)	LF	101+	\$20.00	X	0			\$0.00
28	FLASING ARROW SIGN	WD	EACH	\$125.00	X	0			\$0.00
29	CHANGEABLE MESSAGE SIGN	WD	EACH	\$100.00	X	0			\$0.00

UNIT PRICE TOTAL	68,350.00
CONTRACTOR'S ADJUSTMENT FACTOR	1.3110
ADJUSTED TOTAL	89,606.85

NON PRE-PRICED ITEM DESCRIPTION (IF APPLICABLE)		NPP Costs
100	* Bridge No. 798 - Reroute per plans - Performed by Alcorac Fence Co.	1,281.20
101	* Disposal of Wood Waste	733.13
* Reference attached Quote dated 10/23/13		
NON PRE-PRICED TOTAL		2,014.33
SUB-TOTAL (ADJUSTED TOTAL + NON PRE-PRICED TOTAL)		91,621.18
102	PAYMENT AND PERFORMANCE BONDS	2% OF SUB-TOTAL 1,832.42
103	TRAFFIC CONTROL	1% OF SUB-TOTAL 916.21
104	MOBILIZATION	5% OF SUB-TOTAL 4,581.09
GRAND TOTAL		98,950.90
PERCENTAGE OF GRAND TOTAL THAT WILL BE PERFORMED BY CONTRACTOR		100%

CONTRACTOR IS REQUIRED TO OBTAIN THE FOLLOWING PERMITS:

105	0.00
106	0.00
107	0.00

CONTRACTOR IS REQUIRED TO LIST ALL SUBCONTRACTORS:

108	
109	
110	

CONSTRUCTION SCHEDULE:

	Engineer	Contractor
111	Construction Start Date	11/1/13
112	Construction Duration in Calendar Days	30
113	Construction Completion Date	01/00/00 12/1/13

BY SIGNING BELOW I, CONTRACTOR, ACKNOWLEDGE THAT:

1. I HAVE VISITED THE JOB SITE. DATE OF JOB SITE VISIT: 10/2/13
2. I HAVE REVIEWED THE QUANTITIES LISTED ABOVE.
3. I HAVE ADJUSTED THE QUANTITIES, AS NECESSARY, TO REFLECT MISSING OR ADDITIONAL ITEMS.

PROJECT MANAGER'S SIGNATURE: _____

DATE: _____

CONTRACTOR'S NAME: Alcorac Fence Company

CONTRACTOR'S SIGNATURE: Rick Sohns - Rick Sohns

DATE: 10/23/13

ACCEPTED BY: Mary G. Caldwell
 DISTRICT ENGINEER or his Designee

DATE: 10/7/13

CONSTRUCTION LEGEND

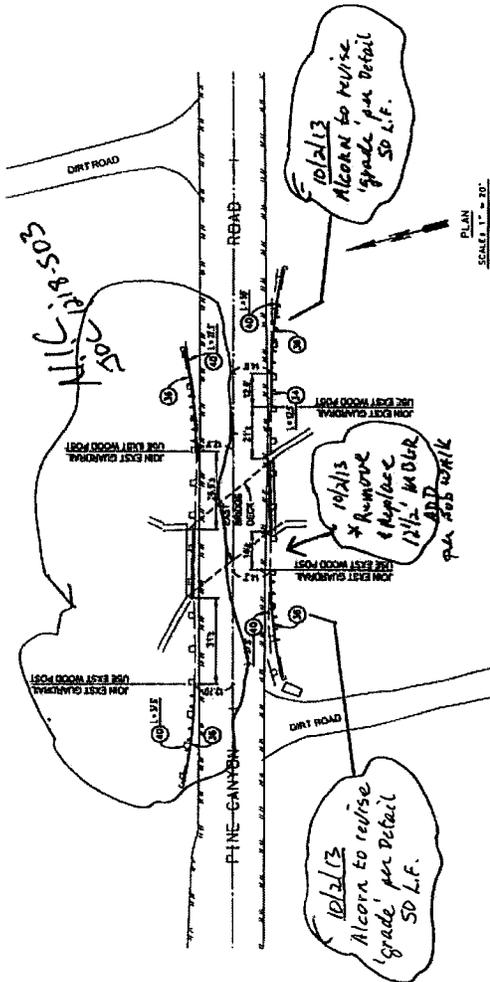
- Ⓜ METAL BEAM GUARD RAIL - PER CALTRANS STD PLAN AT7A1
- Ⓝ RABBED TERMINAL SYSTEM END TREATMENT, L-37.15'
- Ⓞ TYPE SRT BY TRINITY HIGHWAY PRODUCTS OR EQUIVALENT
- Ⓟ REMOVE AND DISPOSE OF EXIST METAL BEAM GUARDRAIL

STANDARD PLANS

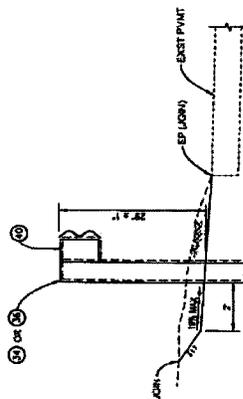
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
 STANDARD PLANS, 2010 EDITION
 AT7A1 METAL BEAM GUARD RAILING STANDARD RAILING
 SECTION (WOOD POST WITH WOOD BLOCK)

NOTES:

1. TYPE SRT TERMINAL SYSTEM MUST BE AN SRT-350 SLOTTED RAIL TERMINAL (8-POST SYSTEM) AS MANUFACTURED BY TRINITY HIGHWAY PRODUCTS, LLC, AND MUST INCLUDE ITEMS DETAILED FOR TYPE SRT TERMINAL SYSTEM SHOWN ON THE PLANS. THE SRT-350 SLOTTED RAIL TERMINAL (8-POST SYSTEM) CAN BE OBTAINED FROM THE MANUFACTURER, TRINITY HIGHWAY PRODUCTS, LLC, P.O. BOX 89, CENTERVILLE UT 84012, TELEPHONE (800) 722-7976.
2. EACH TERMINAL SYSTEM INSTALLED MUST BE IDENTIFIED BY PAINTING THE TYPE OF TERMINAL SYSTEM IN NEAT BLACK LETTERS AND FIGURES 2 INCHES HIGH ON THE BACKSIDE OF THE RAIL ELEMENT BETWEEN SYSTEM POSTS NUMBERS 4 AND 5.
3. FOR TYPE SRT TERMINAL SYSTEM, THE STEEL FOUNDATION TUBES WITH SOIL PLATES ATTACHED MUST BE AT THE CONTRACTOR'S OPTION, EITHER DRIVEN, WITH OR WITHOUT PILOT HOLES, OR PLACED IN DRILLED HOLES. SPACE AROUND THE STEEL FOUNDATION TUBES MUST BE BACKFILLED WITH SELECTED EARTH, FREE OF ROCK, PLACED IN LAYERS APPROXIMATELY 4 INCHES THICK AND EACH LAYER MUST BE MOISTENED AND THOROUGHLY COMPACTED. THE WOOD TERMINAL POSTS MUST BE INSERTED INTO THE STEEL FOUNDATION TUBES BY HAND AND MUST NOT BE DRIVEN. BEFORE THE WOOD TERMINAL POSTS ARE INSERTED, THE INSIDE SURFACES OF THE STEEL FOUNDATION TUBES TO RECEIVE THE WOOD POSTS MUST BE COATED WITH A GREASE THAT WILL NOT MELT OR RUN AT TEMPERATURES OF 149° OR LESS. THE EDGES OF THE WOOD TERMINAL POSTS MAY BE SLIGHTLY ROUNDED TO FACILITATE INSERTION OF THE POST INTO THE STEEL FOUNDATION TUBES.



GUARDRAIL AT BR 758
 Correction - No. 798



TYPICAL GUARDRAIL INSTALLATION
 NOT TO SCALE

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
POWERHOUSE FIRE GUARDRAIL REPAIR VARIOUS LOCATIONS
 BR 758
 PROJECT ID NO. RDC0019001

DATE: 10/21/13
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

TWO DAYS BEFORE YOU GO
 CALL USA TOLL FREE
 1-800-227-2600

WORK ORDER PROPOSAL
GUARDRAIL REPLACEMENT, NORTH LOS ANGELES COUNTY
JOC 1218

INSTRUCTIONS TO CONTRACTOR:									
1. PLEASE RETURN THIS DOCUMENT TO PM WITHIN 14 CALENDAR DAYS.									
2. PLEASE ATTACH WORK SCHEDULE TO THIS DOCUMENT.									
3. PM WILL REVIEW ADJUSTMENTS (IF ANY) AND A "NOTICE TO PROCEED" (NTP) WILL BE ISSUED IF ADJUSTMENTS ARE ACCEPTED.									
4. IF ADJUSTMENTS ARE NOT ACCEPTED, YOU WILL BE ASKED TO MODIFY THIS DOCUMENT WITHIN 2 CALENDAR DAYS OF REQUEST.									
JOC WORK ORDER #		1218-503.00							
PROJECT NAME:		Powerhouse Fire Guardrail Repair - Various Locations							
PROJECT ADDRESS or LOCATION:		N/side of BR798 on Pine Canyon Rd							
		Lake Hughes, CA 93536							
PM NAME:		Glenn Tong							
PM PHONE NUMBER:		(661) 947-7173 x230							
PROJECT SCOPE OF WORK:		Replace damaged guardrail							
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	X	ENGINEER'S QUANTITY	CONTRACTOR'S PROPOSED QUANTITY	AGREED TO QUANTITY	TOTAL ITEM COST
1	REMOVE AND DISPOSE OF EXISTING GUARDRAIL	LF	25-100	\$18.00	X	75	75		1,350.00
2	REMOVE AND DISPOSE OF EXISTING GUARDRAIL	LF	101-500	\$14.00	X	0			\$0.00
3	REMOVE AND DISPOSE OF EXISTING GUARDRAIL	LF	501 +	\$10.00	X	0			\$0.00
4	METAL BEAM GUARD RAILING (STEEL POST)	LF	25-100	\$80.00	X	0			\$0.00
5	METAL BEAM GUARD RAILING (STEEL POST)	LF	101-500	\$45.00	X	0			\$0.00
6	METAL BEAM GUARD RAILING (STEEL POST)	LF	501 +	\$30.00	X	0			\$0.00
7	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	1-5	\$3,200.00	X	2	2		6,400.00
8	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	6-10	\$3,000.00	X	0			\$0.00
9	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	11 +	\$2,800.00	X	0			\$0.00
10	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1-5	\$3,800.00	X	0			\$0.00
11	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	6-10	\$3,500.00	X	0			\$0.00
12	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	11 +	\$3,200.00	X	0			\$0.00
13	END ANCHOR ASSEMBLY (TYPE SFT)	EA	1-5	\$1,100.00	X	0			\$0.00
14	END ANCHOR ASSEMBLY (TYPE SFT)	EA	6-10	\$1,000.00	X	0			\$0.00
15	END ANCHOR END ANCHOR ASSEMBLY (TYPE SFT)	EA	11 +	\$800.00	X	0			\$0.00
16	BURIED END POST END ANCHOR (A77I2)	EA	1-5	\$1,800.00	X	0			\$0.00
17	BURIED END POST END ANCHOR (A77I2)	EA	6-10	\$1,500.00	X	0			\$0.00
18	BURIED END POST END ANCHOR (A77I2)	EA	11 +	\$1,200.00	X	0			\$0.00
19	RAILING DELINEATION PER CALTRANS STD PLAN A77C4	EA	1-50	\$50.00	X	6	6		300.00
20	RAILING DELINEATION PER CALTRANS STD PLAN A77C4	EA	51-300	\$35.00	X	0			\$0.00
21	RAILING DELINEATION PER CALTRANS STD PLAN A77C4	EA	300 +	\$20.00	X	0			\$0.00
22	TRANSITION RAILING (TYPE WB)	EA	1-5	\$4,200.00	X	0			\$0.00
23	TRANSITION RAILING (TYPE WB)	EA	6-10	\$3,800.00	X	0			\$0.00
24	TRANSITION RAILING (TYPE WB)	EA	11 +	\$2,800.00	X	0			\$0.00
25	AC DIKE (CALTRANS STD PLAN A87B)	LF	10-50	\$80.00	X	0			\$0.00
26	AC DIKE (CALTRANS STD PLAN A87B)	LF	50-100	\$45.00	X	0			\$0.00
27	AC DIKE (CALTRANS STD PLAN A87B)	LF	101 +	\$20.00	X	0			\$0.00
28	FLASING ARROW SIGN	WD	EACH	\$125.00	X	0			\$0.00
29	CHANGEABLE MESSAGE SIGN	WD	EACH	\$100.00	X	0			\$0.00
UNIT PRICE TOTAL									8,050.00
CONTRACTOR'S ADJUSTMENT FACTOR									1.3110
ADJUSTED TOTAL									10,553.55

NON PRE-PRICED ITEM DESCRIPTION (IF APPLICABLE)		NPP Costs
100	* Disposal of Wood Waste	258.75
101	* Reference attached Quote dated 10/23/13	
NON PRE-PRICED TOTAL		258.75
SUB-TOTAL (ADJUSTED TOTAL + NON PRE-PRICED TOTAL)		10,812.30
102	PAYMENT AND PERFORMANCE BONDS	2% OF SUB-TOTAL 216.24
103	TRAFFIC CONTROL	1% OF SUB-TOTAL 108.12
104	MOBILIZATION	5% OF SUB-TOTAL 540.62
GRAND TOTAL		11,677.28
PERCENTAGE OF GRAND TOTAL THAT WILL BE PERFORMED BY CONTRACTOR		100%

CONTRACTOR IS REQUIRED TO OBTAIN THE FOLLOWING PERMITS:

105	0.00
106	0.00
107	0.00

CONTRACTOR IS REQUIRED TO LIST ALL SUBCONTRACTORS:

108	
109	
110	

CONSTRUCTION SCHEDULE:		Engineer	Contractor
111	*Note: Scope of Work to be coordinated with JDC 1218-SD2 and performed when performing work at Br. No. 798	Construction Start Date	11/1/13
112		Construction Duration in Calendar Days	30
113		Construction Completion Date	01/00/00 12/1/13

BY SIGNING BELOW I, CONTRACTOR, ACKNOWLEDGE THAT:

1. I HAVE VISITED THE JOB SITE. DATE OF JOB SITE VISIT: 10/2/13
2. I HAVE REVIEWED THE QUANTITIES LISTED ABOVE.
3. I HAVE ADJUSTED THE QUANTITIES, AS NECESSARY, TO REFLECT MISSING OR ADDITIONAL ITEMS.

PROJECT MANAGER'S SIGNATURE: _____

DATE: _____

CONTRACTOR'S NAME: Alcorn Fence Company

CONTRACTOR'S SIGNATURE: Rick Sohn

DATE: 10/23/13

ACCEPTED BY: [Signature]
 DISTRICT ENGINEER or his Designee

DATE: 10/21/13



ALCORN FENCE COMPANY

P.O. BOX 1249 (91353), 9901 GLENOAKS BLVD., SUN VALLEY, CA 91352
 (323) 875-1342 (818) 983-0650 FAX (818) 768-9719

Contractors License - 122954

PROJECT: Guardrail Replacement- N. L.A. Cnty **OWNER:** L.A. County Dept. of Public Works
JOC 1218-503.00
CONTACT: Rick Sohns **ATTENTION:** Glenn Tong
Date: 10/23/2013 **E-MAIL:** gtong@dpw.lacounty.gov

REFERENCE ATTACHED PLAN SHEET 4 OF 4 FOR CONFIRMATION OF WORK

Plans & Specs:	Yes	X	No	Bondable:	Yes	X	No
Installed:	Yes	X	No	Rate:			
Tax Included:	Yes	X	No	DBE/WBE:	Yes	No	x
Union:	Yes	X	No	Addendum:			

Alcorn Fence Company is signatory to Laborers, Operating Engineers and Cement Masons unions.

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
*	Wood Waste Disposal- Disposal of appr. (16) Wood Posts & Blocks- Includes 'Roll Off' Container on Site and disposal Fees at licensed Disposal Site *NOTE- Per Job Walk on 10/2/13, Wood Posts and Blocks are not classified as hazardous material- Alcorn excludes testing/analyzing wood waste DETAILS: Disposal Fees including Roll Off: \$225.00 Mark Up @ 15%- \$33.75	1 LS	Lump Sum	258.75
TOTAL				\$258.75

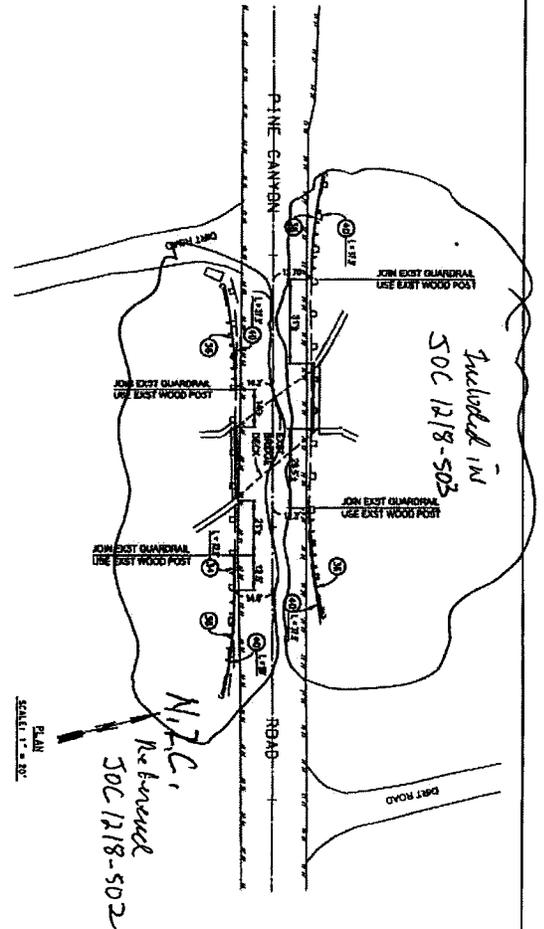
CLARIFICATIONS:
 Reference attached Plan Drawing Sheet No. 4 for clarification of Scope of Work at Br. No. 798
 As noted above- Testing of Wood Waste is excluded from Scope of Work
 Wood Waste Disposal will be accommodated utilizing the same 'Roll Off' Bin and disposal as the disposal for JOC 1218-502 for cost efficiency

Exclusions:
 Engineering, Staking, and Layout
 Clearing and Grading
 Concrete Coring, Asphalt Patching
 Maintenance
 Permits

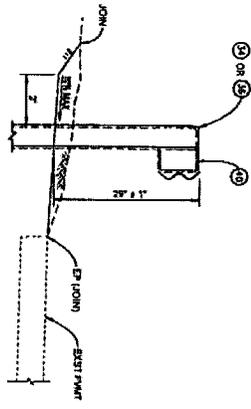
Alcorn shall notify Underground Service Alert forty-eight (48) business hours prior to any excavation. However, Alcorn shall not be responsible for damage to underground facilities not properly and accurately shown on contract plans, as-builts, and/or identified by forces other than Alcorn's

Submitted by: Rick Sohns

DESIGNED BY: P. CHOI/TM
 CHECKED BY: M. ORELLANA/TM
 PROJECT NO.: RD00015501-PLAN-NO. DCA
 DATE: 8-17-11



GUARDRAIL AT BR 758



TYPICAL GUARDRAIL INSTALLATION
 NOT TO SCALE

- CONSTRUCTION LEGEND**
- Ⓜ METAL BEAM GUARD RAIL, PER CALTRANS STD PLAN AT1A1
 - Ⓜ PLATED TERMINAL SYSTEM END TREATMENT, L=37.5' (TYPE SRT BY TRINITY HIGHWAY PRODUCTS OR EQUIVALENT)
 - Ⓜ REMOVE AND DISPOSE OF EXIST METAL BEAM GUARDRAIL

STANDARD PLANS
 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
 STANDARD PLANS, 2010 EDITION
 AT1A1 METAL BEAM GUARD RAILING STANDARD RAILING
 SECTION (WOOD POST WITH WOOD SECTION)

NOTES

1. TYPE SRT TERMINAL SYSTEM MUST BE AN SRT-350 SLOTTED RAIL TERMINAL (8-POST SYSTEM) AS MANUFACTURED BY TRINITY HIGHWAY PRODUCTS, LLC, AND MUST INCLUDE ITEMS DETAILED IN THE PLANS. THE SRT-350 SLOTTED RAIL TERMINAL (8-POST SYSTEM) CAN BE SUBSTITUTED BY TRINITY HIGHWAY PRODUCTS, LLC, P.O. BOX 99, CENTERVILLE UT 84012, TELEPHONE (800) 722-7978.
2. EACH TERMINAL SYSTEM INSTALLED MUST BE IDENTIFIED BY PAINTING THE TYPE OF TERMINAL SYSTEM IN NEAT BLACK LETTERS AND FIGURES 2 INCHES HIGH ON THE BACKSIDE OF THE RAIL ELEMENT BETWEEN SYSTEM POSTS NUMBERS 4 AND 5.
3. FOR THE SRT TERMINAL SYSTEM, THE STEEL FOUNDATION TUBES WITH SOIL PLATES ATTACHED MUST BE EITHER THE CONTRACTOR'S OPTION, EITHER DRIVEN, WITH OR WITHOUT PILOT HOLES, OR PLACED IN A PRE-DRILLED HOLE. FOUNDATION TUBES MUST BE BACKFILLED WITH SELECTED EARTH, FREE OF ROCK AND THOROUGHLY COMPACTED. THE WOOD TERMINAL POSTS MUST BE INSERTED INTO THE STEEL FOUNDATION TUBES BY HAND AND MUST NOT BE DRIVEN. BEFORE THE WOOD TERMINAL POSTS ARE INSERTED, THE INSIDE SURFACES OF THE STEEL FOUNDATION TUBES TO RECEIVE THE WOOD POSTS MUST BE COATED WITH A GREASE THAT WILL NOT MELT OR RUN AT A TEMPERATURE OF 149° OR LESS. THE EDGES OF THE WOOD TERMINAL POSTS MAY BE SLIGHTLY ROUNDED TO FACILITATE INSERTION OF THE POST INTO THE STEEL FOUNDATION TUBES.

TWO DAYS BEFORE YOU DO
 CALL US AT OUR FREE
 1-800-227-2600

DATE	TIME	REVISIONS

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 POWERHOUSE FIRE GUARDRAIL
 REPAIR VARIOUS LOCATIONS
 BR 758
 PROJECT NO. RD00015501
 PLAN SHEET 14 OF 18

U.S. Department of Transportation
 Federal Highway Administration-
 California Division- Title 23
 Damage Assessment Form (DAF)

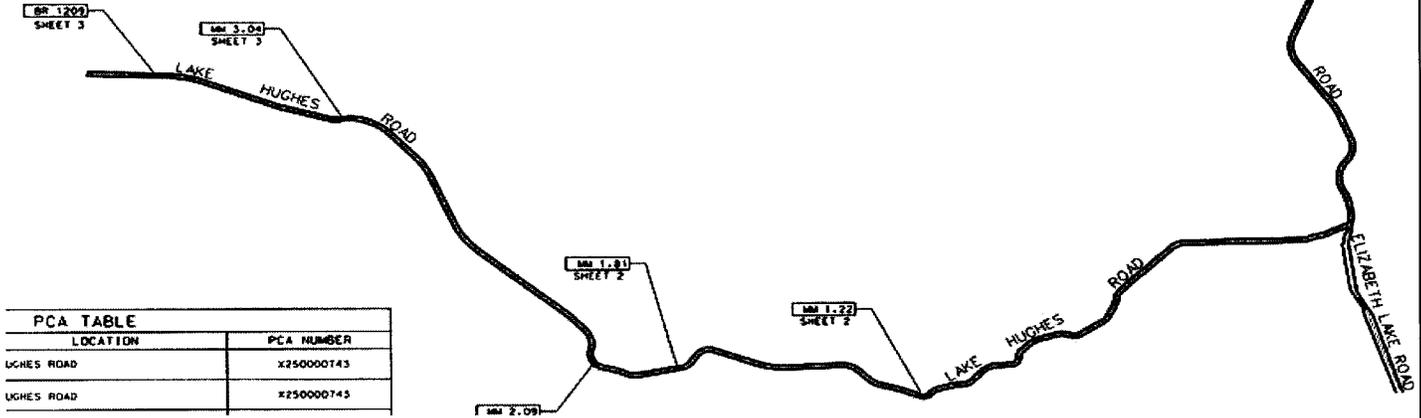
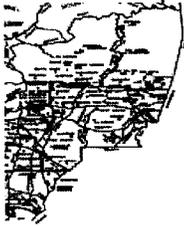
DAF # RBS - LACO - 0 0 1 - 0
 Sheet # 15 of 18
 Applicant
 LA County Dept of Public Works

Photos, Sketches and/or Narrative

Lake Hughes Rd @ MM 1.22 & 1.81

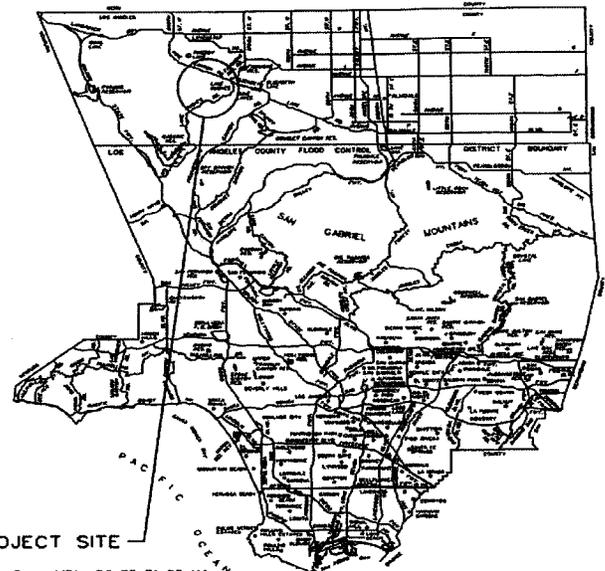
Photo description:

LAKE HUGHES ROAD: MM 1.22, MM 1.81, MM 2.09
 MM 3.04, AND BR-1209
 PINE CANYON ROAD: BR-758



PCA TABLE	
LOCATION	PCA NUMBER
UGHES ROAD	X250000743
UGHES ROAD	X250000743

Above: Locations of guard rail repairs
 Below: LA County Map



PROJECT SITE
 T. G. Page 4101 - D6, E5, F1, G5, H4
 R. D. 556

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 1 - 0
Sheet # 16 of 18
Applicant
LA County Dept of Public Works

Photos, Sketches and/or Narrative

Lake Hughes Rd @ MM 1.22 & 1.81

Photo description:



Above: damaged guard rail @ MM 1.22
Below: damaged guard rail @ MM 1.81



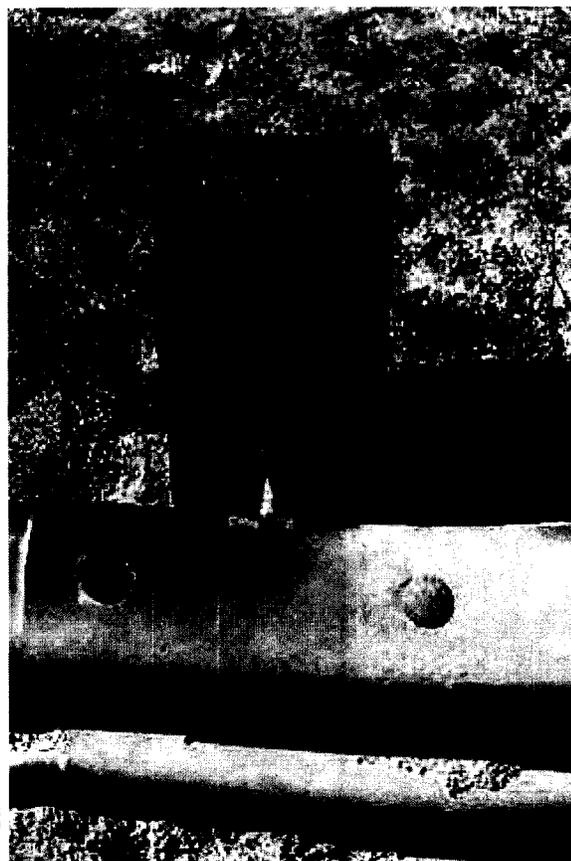
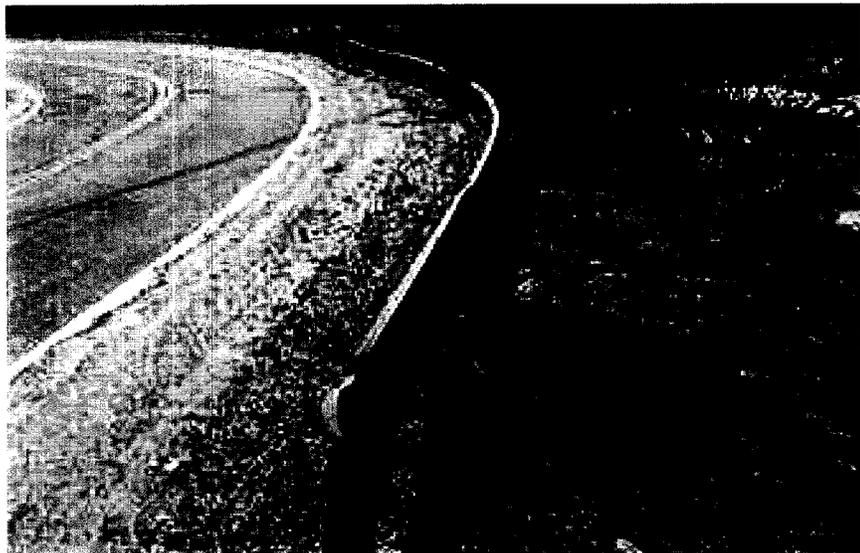
U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 1 - 0
Sheet # 17 of 18
Applicant
LA County Dept of Public Works

Photos, Sketches and/or Narrative

Lake Hughes Rd @ MM 2.09 & 3.04

Photo description:



Above & Right: damaged guard rail @ MM 2.09
Below: damaged guard rail @ MM 3.04



U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 1 - 0
Sheet # 18 of 18
Applicant
LA County Dept of Public Works

Photos, Sketches and/or Narrative

Lake Hughes Road @ BR 1209 & Pine Canyon Road @ BR 758

Photo description:



Above: damaged guard rail @ BR 1209 (Lake Hughes Rd)
Below: damaged guard rail @ BR 758 (Pine Canyon Rd)



Federal Aid Data System

HELP: (Rev 1/2013) Tuesday, November 26, 2013
 You are logged in as:
 S127912 REYNALDO SARMIENTO

- 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:	Disaster No:	County:
RBS-LACO-001	CA2013-2	037 - LA

Rev No	Created By	Create Date	Last Updated By	Update Date
0	SARMIENTO, REYNALDO	11/21/2013	SARMIENTO, REYNALDO	11/26/2013

[Delete](#) [Create Revision](#)

DAF DAF Status

Report No: RBS-LACO-001-0 Disaster No: CA2013-2 County: 037 - LA Incident Date: 05/30/2013 mm/dd/yyyy Inspect Date: 11/25/2013
 District: 07 Admin: LOCAL Responsible Agency: 5953
 Applicant: LOS ANGELES CO DEPT OF PUBLIC WOR Func. Class Code: UC - UNDIVIDED/COLLECTOR (MAJOR) Save

Road/Bridge Name: LAKE HUGHES RD & PINE CANYON RD Per Site or Per Mile: PER SITE Begin PM: 1.22 End PM: 3.04 Total Feet: 11616.00

Bridge No: 758 & 120	Type: WOOD&CON	Federal Aid Hwy: <input checked="" type="radio"/> Yes <input type="radio"/> No	Map No: 13T41
Traveled Way Width: 24	Type: AC	Forest Hwy System: <input checked="" type="radio"/> Yes <input type="radio"/> No	State/Local Rte No:
Shoulder Width: 2-20	Type: AC	Interstate: <input type="radio"/> Yes <input checked="" type="radio"/> No	ADT (Existing): 653

Damage Description (at most 400 characters):
 DUE TO POWERHOUSE FIRE, GUARDRAIL AND TERMINAL SYSTEMS WERE DAMAGED OR DESTROYED. LAKE HUGHES RD - MM 1.22, 2.09, 3.04 & BR 1209, PINE CANYON RD AT BR 758

COST ESTIMATE

Emergency Opening Agency Forces	Description of Work	Cost Summary
SPN/Contract No:	REMOVED K-RAILS AND SITE GRADING	PE: 2,800.00 CE: 1,200.00 CON: 20,000.00
CT Work Order No: 1: 2: 3: 4: 5:		

Emergency Opening Contract	Description of Work	Cost Summary
SPN/Contract No:	REMOVED DAMAGED WOOD GUARD RAIL & TERMINAL SYSTEM WITH STEEL OR WOOD GUARD RAIL & TERMINAL SYSTEMS	PE: 29,685.00 CE: 19,790.00 CON: 98,951.00 RW: 5,000.00
Subtotal Emergency Opening:		177,426.00

Permanent Restoration	Description of Work	Cost Summary
Contract Type: Select one SPN:		PE: CE: CON: RW:
Subtotal Permanent Restoration:		

Preliminary Engineering Total:	32,485.00
Construction Engineering Total:	20,990.00
Right of Way Total:	5,000.00
Construction Total:	118,951.00
Total Estimated:	177,426.00

Eligible
 Yes No N/A
 Yes No
 Yes No N/A

Local Agency: ABRAMSON	Last Name: ABRAMSON	First Name: ALLAN	Date: 11/14/2013 mm/dd/yyyy
Caltrans: SARMIENTO	Last Name: SARMIENTO	First Name: REYNALDO	Date: 11/26/2013 mm/dd/yyyy
FHWA:	Last Name:	First Name:	Date: mm/dd/yyyy

Created By: SARMIENTO, REYNALDO Date: 11/21/2013 Last Updated By: SARMIENTO, REYNALDO Date: 11/26/2013

Save Reset