

City of Brisbane

Agenda Report

TO: Honorable Mayor and City Council

FROM: Director of Public Works/City Engineer via City Manager

SUBJECT: Guardrail Repair at 200 block of Kings Road

DATE: March 2, 2009

City Council Goals:

To maintain and improve infrastructure. (#3)

Purpose:

To obtain fiscal authority to repair approximately eighty feet (80') of guardrail between 237 and 253 Kings Road.

Recommendation:

Approve a supplemental appropriation from the general fund in the amount of \$50,000 to repair the referenced guardrail.

Background:

City staff routinely conducts "windshield surveys" of the city to proactively identify potential problem areas. The guardrail in the 200 block of Kings Road appears to have suffered numerous vehicle impacts and is no longer capable of preventing a vehicle from careening over the side if it were struck again. Staff did consult with a geotechnical engineer from Cotton Shires & Associates to confirm that the condition of the guardrail is not related to earth movement; CSA agreed with this assessment and only recommended that the depth of the guardrail support piers be doubled to account for the steep topography of the downhill slope.

Staff conducted an informal bid process for installation of approximately 80 linear feet of a standard Caltrans guardrail (A78A – three beam wood blocked guardrail) and received two quotes for installation of the guardrail with steel support piers:

Michael Glynn Construction Services	\$49,580
Kingdom Pipelines, Inc.	\$54,200

Discussion:

The “do-nothing” alternative was considered and discarded because staff believes the guardrail is an imminent danger if it were struck by a vehicle.

Widening this narrow portion of roadway was also considered but is not recommended because the cost of that project would be at least 2-3 times greater than the guardrail repair, and the time delay in designing a widening repair would still require some interim action to ensure this section of the roadway is safe for the traveling public.

Fiscal Impact:

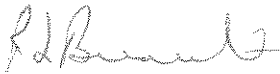
There are no funds allocated in the Public Works O&M budget or the city’s Capital Improvement Program for the recommended repairs. Staff’s recommendation is to fund this work through a supplemental appropriation from the General Fund to Department 4002 (Streets), Account 52241 (Special Department Expense).

Measure of Success

Repair of the guardrail to a condition where it can serve its intended purpose.

Attachments:

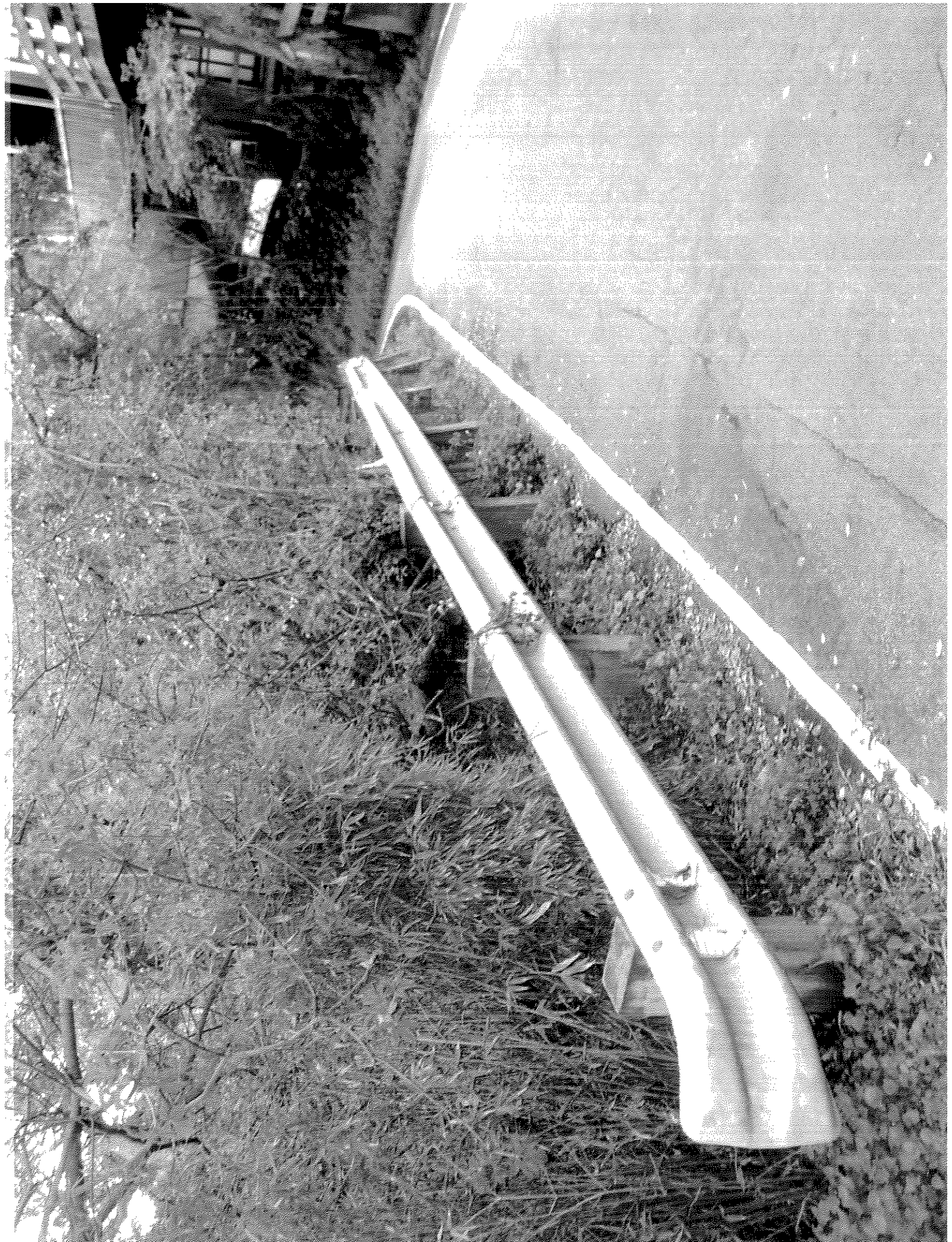
5 digital photos depicting existing guardrail conditions.

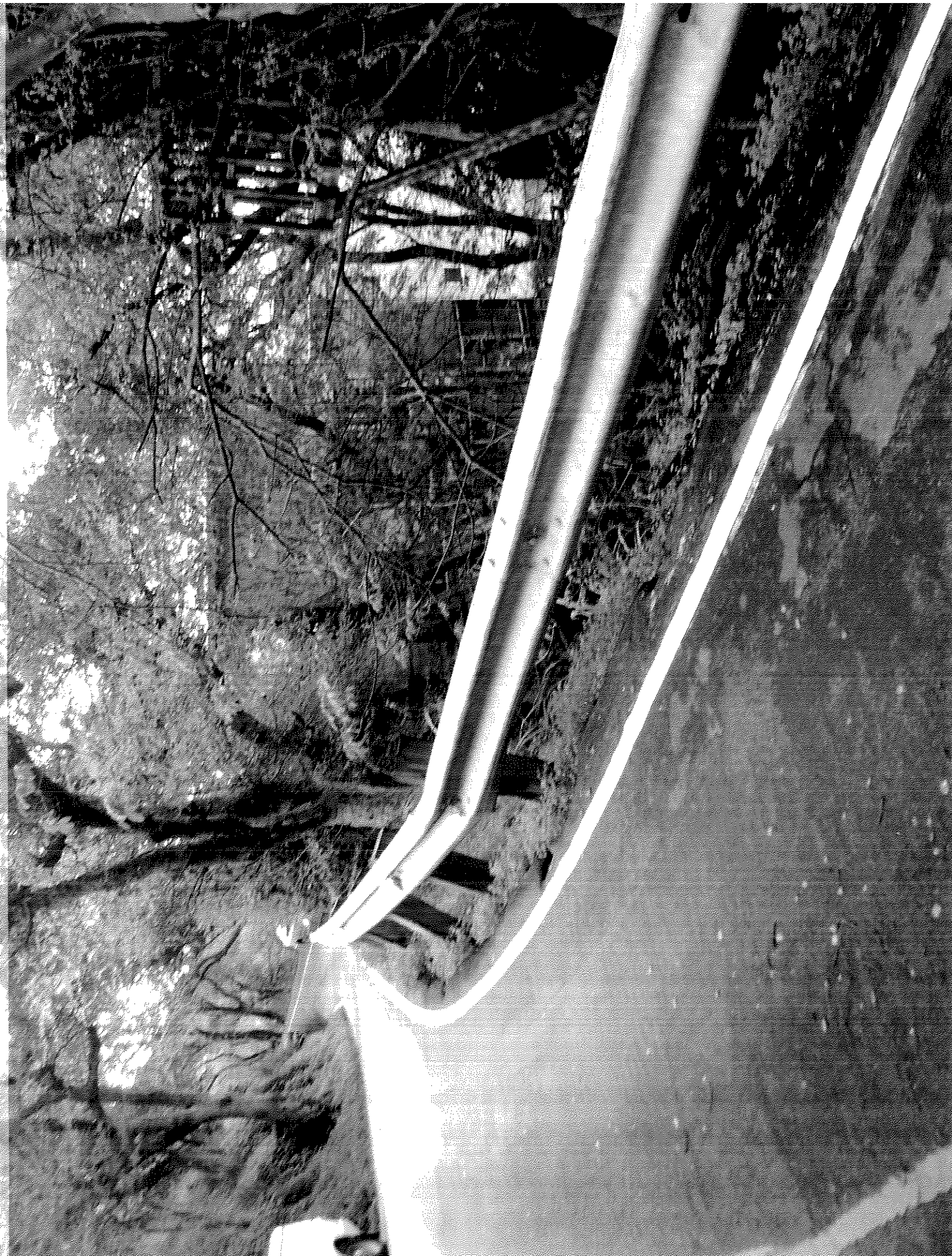


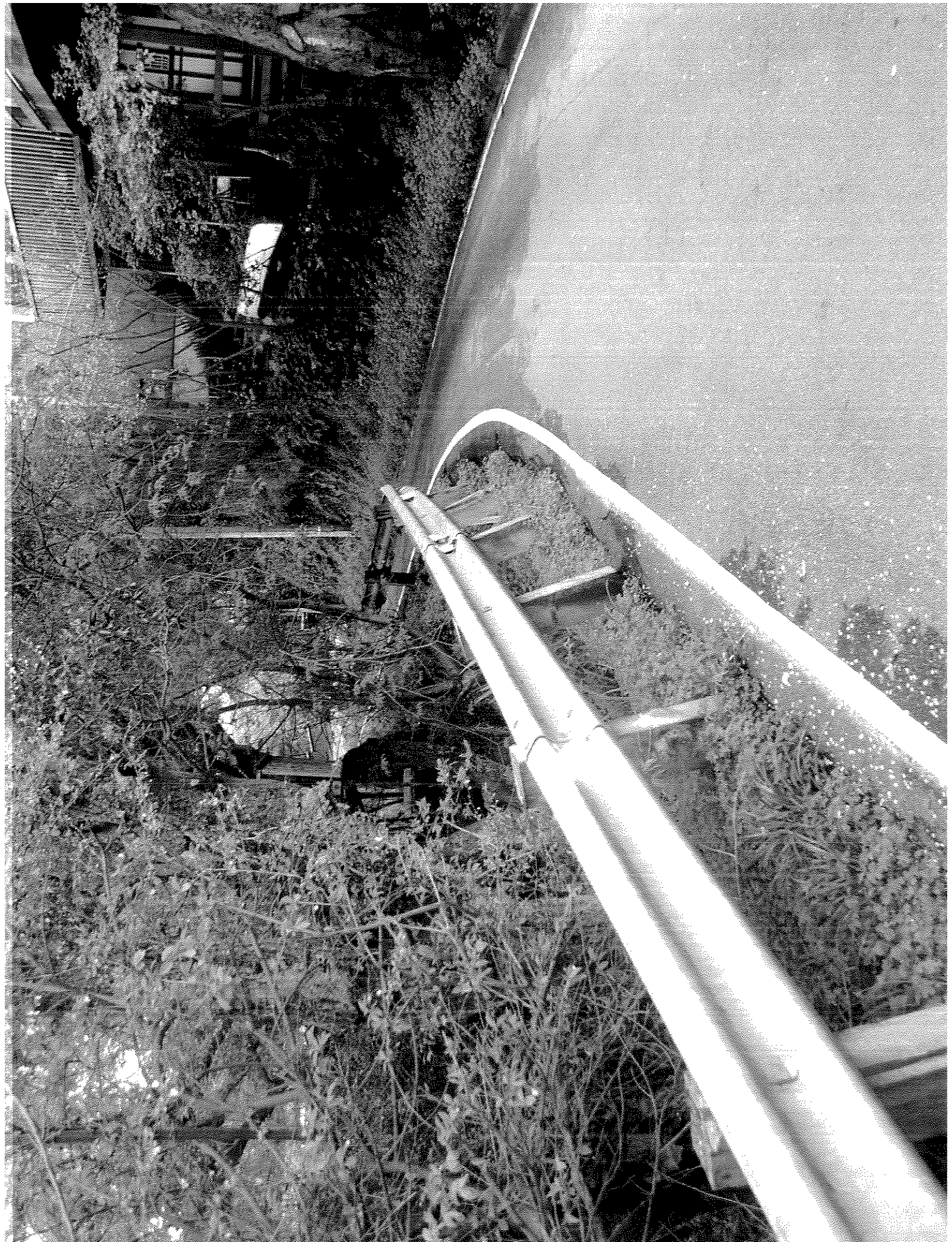
Director of Public Works/City Engineer



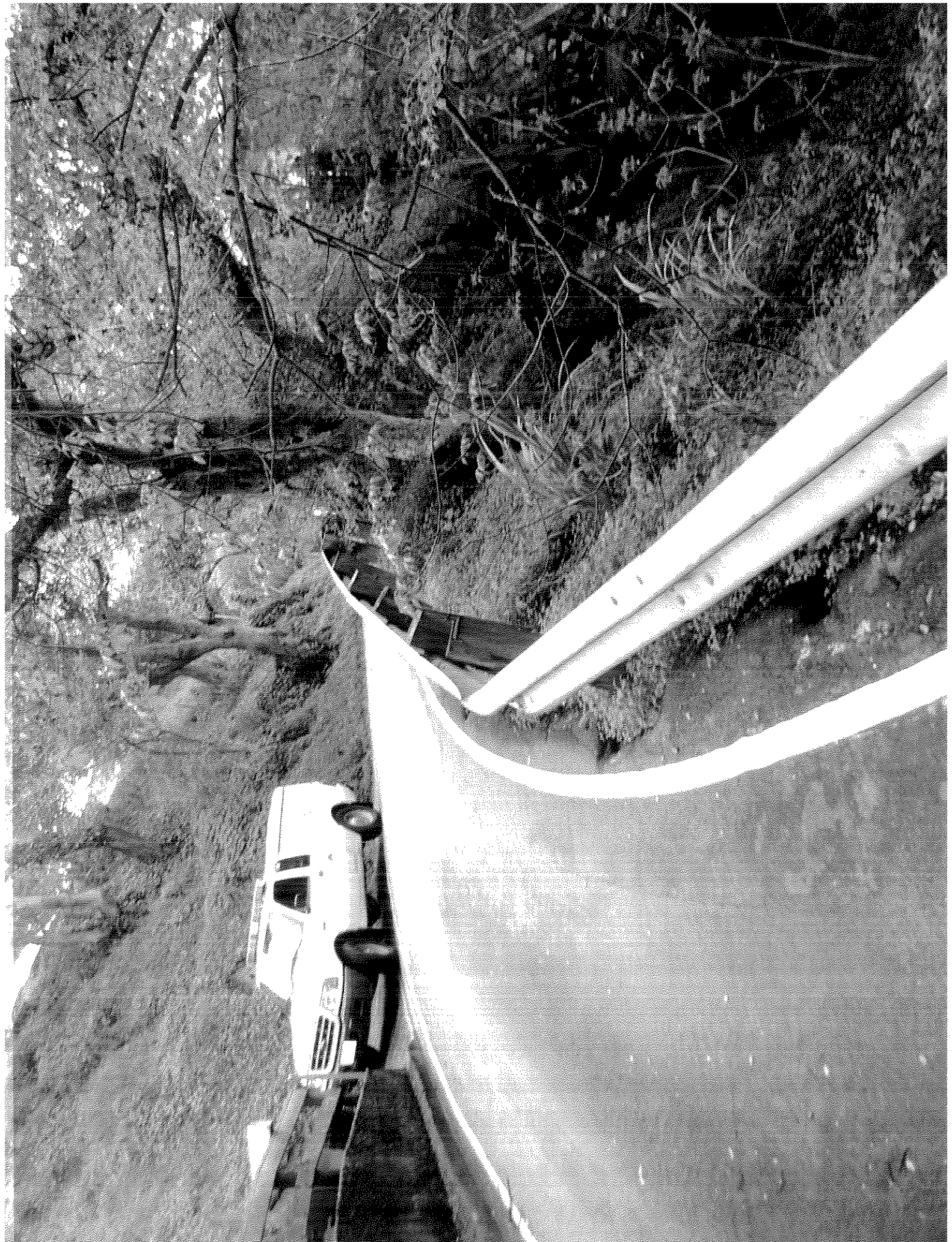
City Manager











477 Monterey Street
Brisbane, CA 94005
Tel: (415) 846-7350
Fax (415) 330-9911

Michael Glynn Construction Services
CA Licence No: 829008

Attention Greg Morris.
City of Brisbane.

Proposal

The following is a Proposal to replace approximately 80 feet of Guardrail at Kings Road in Brisbane.

The proposal includes the following-

Remove existing Guard-rail and posts and dispose of material.

Drill approximately 14 piers 18 inch diameter at 7 feet minimum depth.

Remove generated soil and pour concrete around new posts .

Attach wood blocks to posts with Thrie Beam rail and 2 end treatments.

The work will be performed in 4-5 stages so that at all times there will be guard-rail in place.

Traffic control will also be provided.

Material including concrete, Rails, 6by 8 pt posts, hardware, dump fees etc \$15,300.

Machines, tool trucks, traffic control and labor \$27,500.

Sub-Total \$42,800

10% mark-up for overhead and profit \$ 4,280.

Total \$47,080.

We would install 6 by 12 I beam primed, instead of wood for an additional \$2,500.

steel posts

49,580

Received

Jan 22 2009 10:26am

From: Kingdom Pipelines, Inc.

650 952 9056

01/22/2009 10:01 #103 P.001/001

Kingdom Pipelines, Inc.**1177 Mission Road Suite D****South San Francisco, CA 94080****P: (415) 747-2091 F: (650)952-9056****Estimate**

Date	Estimate #
1/22/2009	142

Name / Address
City of Brisbane Public Works Dept - Greg Morris 50 Park Place Brisbane, CA 94005

Project			
Description	Qty	Cost	Total
GUARDRAIL REPLACEMENT - KINGS ROAD, BRISBANE, CA Kingdom Pipelines, Inc. proposes to undertake the work of demolition of existing guardrail and replacement with new tri-guardrail. WORK INCLUDES: traffic control, demolition, drilling 13 each, 2 foot diameter post holes, rebar cage, 6 inch web/ 11 foot long I-beam, concrete encasement, off haul and disposal excess material, furnish and install new "curved" guardrail with bull nose headers.	1	54,200.00	54,200.00
Total			\$54,200.00

steel I-Beam