



# **SUPERIOR PRODUCTS INTERNATIONAL II, INC.**

## **HOOVER DAM BYPASS BRIDGE HAND RAILINGS**

### **UPDATE AFTER 2 YEARS IN SERVICE**

### **CURRENT PICTURES OF THE RAILING CONDITION**

COATED FALL OF 2010 and UPDATED September 2012

**THREE (3) TO FIVE (5) MILLION PEOPLE PER YEAR WALK OVER AND HANDLE THE RAILING.  
LEAN ON, SLIDE OVER, SWEAT, SPILL DRINKS RUB WITH BELTS, JEANS AND OTHER MATERIALS  
AND OBJECTS**

THE SUPER THERM® SYSTEM ((SUPER THERM® WITH OVER COAT OF ENAMO GRIP IN LIGHT  
GREY COLOR)) WAS TESTED AGAINST THE COMPETITIVE COATINGS TO SEE WHICH COATING  
COULD REDUCE THE SURFACE TEMPERATURE OF THE RAILING IN THE SUMMER HEAT OF 121F  
(49C) THAT CAUSED THE RAILING SURFACE TO BE 146F (63C) AND BURN HANDS.

THE COMPETITIVE COATING TESTED REDUCED THE TEMPERATURE ON THE RAILING FROM  
146F (63C) DOWN TO 144F (62C).  
ONLY 2F (1C) DROP IN SURFACE TEMPERATURE  
THE SUPER THERM® SYSTEM REDUCED THE SURFACE TEMPERATURE ON THE RAILING FROM  
146F (63C) DOWN TO 127F (52.8C)  
19F ( 9.2C) DROP IN SURFACE TEMPERATURE OR ONLY 6F (3C) OVER AMBIENT  
TESTED BY CONSTRUCTION ENGINEERS ON-SITE 7/27/09

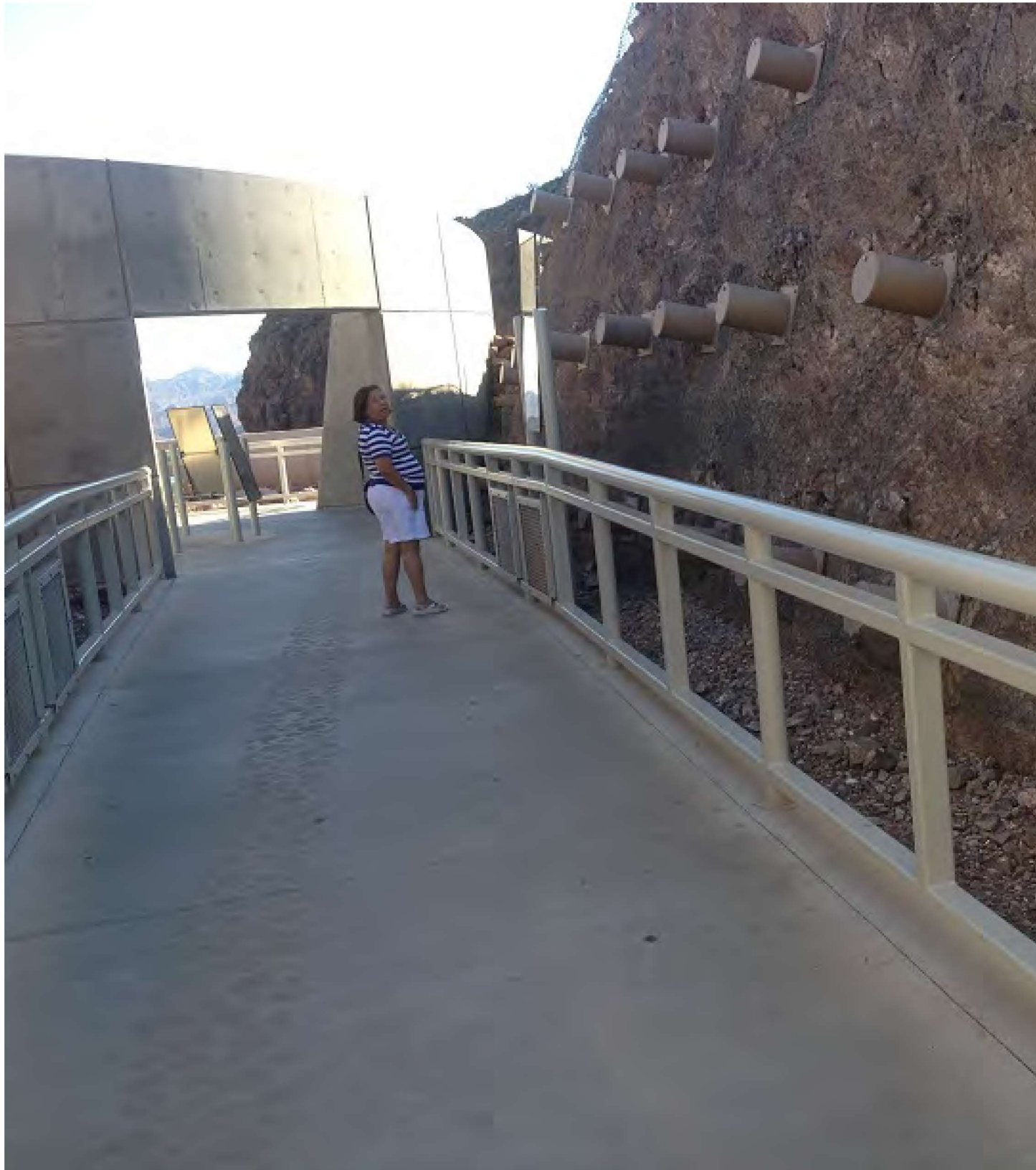
PROJECT PERFORMED BY JOHN GREY/ SANDRA HUBER – DISTRIBUTORS

AS THE CURRENT PICTURES SHOW, AFTER THREE YEARS OF 3-5 MILLION PEOPLE HANDLING  
THE RAILINGS, THE SYSTEM LOOKS AS GOOD NOW AS IT DID WHEN FIRST COATED AND  
KEEPING THE HANDRAILING COOLER AS SCHEDULED.











# MIKE O'CALLAGHAN - PAT TILLY

## Completing the Bypass - A

- After the design was completed, six separate yet overlapping projects were needed to complete the bypass.
- Projects were sequenced to increase competition and quality, matching industry capabilities with work requirements.

### PROJECT SCHEDULE

Begin Design  
Preliminary Design  
Final Design  
Transmission Relocation Phase  
Arizona Approach  
Transmission Relocation Phase  
Nevada Approach  
Colorado River Bridge  
Paving (Projects 4 and 5)  
Open to Traffic - October 2010















