

PROJECT REFERENCE DATA SHEET

Project Name: Detailed Structural Review - Existing Condition of Fourteen (14) Rec/Arena Facilities
Client / Owner: City
Design Cost: --
Contract Cost: --

Description of Work:

Carvajal Structural Engineers Inc. (CSE) was retained by the City to perform a detailed structural evaluations of the structural and material conditions of fourteen (14) recreational facilities within the City.

The scope of work included scheduling and arranging interviews with the facility managers to determine any concerns which may impact the structural performance of the Facility, obtaining a set of the Facility drawings (as made available) to familiarize with the structural design of the Facility, visit the Facility and perform a complete Structural Visual Review of the Facility, compile engineering opinions on the extent, possible causes and seriousness of identified problems (ex., defects of no structural significance, defects requiring remedial action or monitoring, defects of structural significance requiring immediate actions) and recommendations on remedial actions or monitoring to be undertaken by the client to ensure the Facility's structural integrity.

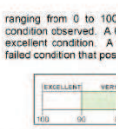
CSE took digital photographs of all structural defects identified in the review and prepared a factual, structural review report for the Facility to outline our concerns and observations. The report included our findings complete with digital photographs, discussions on the significance of the findings and an outline of the recommended remedial scope of work.

Figure/Photog

CSE LISTING OF COMPONENTS, PROBLEMS AND LOCATIONS

Table with columns: Component, Problem / Location. Lists various structural elements and their associated issues.

CSE STRUCTURAL FORENSIC



Appendix D - This Appendix B (NBC T) is not applicable.

System Behavior: Refer back to envelope. They are likely unlikely to lead to collapse.

Flux Category (see Table 1-5): high

Fire Performance: No record of satisfactory test per satisfactory past performance.

Function Priority Ranking: 1A - Life Safety, 1B - Legislative, 2 - Function Protection, 3 - Program Enhancement, 4 - Growth.

Table with columns: Function Priority Ranking, Description. Details the criteria for each ranking level.

Table with columns: Component, Location, Problem. Lists specific findings and their locations.

Appendix E - This appendix contains a spreadsheet which summarizes the estimated costs for repairs for each component/element and the recommended year allocation.

CSE STRUCTURAL FORENSIC & REHABILITATION SERVICES

Table No. 1 - CONSTRUCTION REPAIR COST ESTIMATION

Table with columns: Item, Component, Location, Units, Unit Cost. Provides cost estimates for various repair items.

CSE STRUCTURAL FORENSIC & REHABILITATION SERVICES

PRIORITY RATING - REPAIR ITEM

Table with columns: Component, Location, Problem, Defects Require Remedial Measures. Lists items requiring remedial measures.

CSE CONDITION INDEX (C.I.) RATING OF PROBLEMS FOUND

Rating 0 - Failed Condition; 100 - Excellent Condition

Table with columns: Component, Location, Problem, Severity, C.I. Provides condition index ratings for various structural problems.