



# *Demolition Plan City Hall*



**R. Alan Shubert, P.E.**  
**Project Engineer- El Paso Ballpark**  
**March 26, 2013**



## ***Research and Engineering***

### ***– Structural Analysis- Trainway***

- ***Structure of Greatest Concern- Proximity***
- ***Found R.E. McKee Drawings and Progress Photos***
- ***Complete Inspection Before and after***

### ***– Vibration Analysis- City Hall Demolition***

- ***Effect on Trainway***
- ***Effect on Surrounding Structures***
- ***Vibrations measured- Before, During, and After***

### ***– Demolition Plan- CDI***

- ***Separate Independent Analysis***
- ***Separate Independent Monitoring***



## ***Research and Engineering***

### ***– Union Pacific Review***

- ***Olssen Assoc.- UP Independent Struct. Engineer***

### ***– Air Quality Monitoring***

- ***Prove no lead or asbestos exposure***
- ***Before and After***

### ***– Hazardous Materials Investigation and Report***

- ***Asbestos Survey***
- ***Lead Survey***
- ***Microbial Survey***
- ***Other Environmental Concerns – PCB's, Mercury, UST***
- ***162 Page Report***



## ***Research and Engineering***

### ***– Conclusions from Engineering***

- Results of Structural and Vibration Studies PROVE that negative effects from demolition of City Hall will be minimized***
- Surrounding Structures will be surveyed before and after to assure***



# ***Research and Engineering***

## ***– Environmental Issues Being Addressed***

- ***Asbestos Located- Being abated as we speak***
  - ***Floors 4,5,6,8,9,10 Complete***
  - ***Balance to be complete prior to Demo***
- ***Minimal Lead exists- will be legal for disposal***
- ***No microbial issues***
- ***Other hazardous materials identified and will be properly disposed of***
- ***UST will be legally removed this week. Cleanup if necessary.***



# Research and Engineering

Hazardous Materials Report  
for  
City Hall  
2 Civic Center Plaza  
El Paso, Texas  
September 8, 11, 12, & 17, 2012

For:

COPY

**City of El Paso**  
**ATTN: Mr. Javier Reyes, Engineering Manager**  
**Engineering Department**  
2 Civic Center Plaza, 4<sup>th</sup> Floor  
El Paso, Texas 79901

PREPARED BY:



SUN  
CITY  
ANALYTICAL,  
INC.

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## ***Plan and Logistics***

- Coordination With Affected Agencies***
  - Public Safety- Police, Fire, EMS***
  - Office of Emergency Management***
  
- Exclusion Zone***
  - Neighbors- Public and Private***
  - Meet with Residents Individually***
  - Meet with CVB, Library, Museums for Planning***



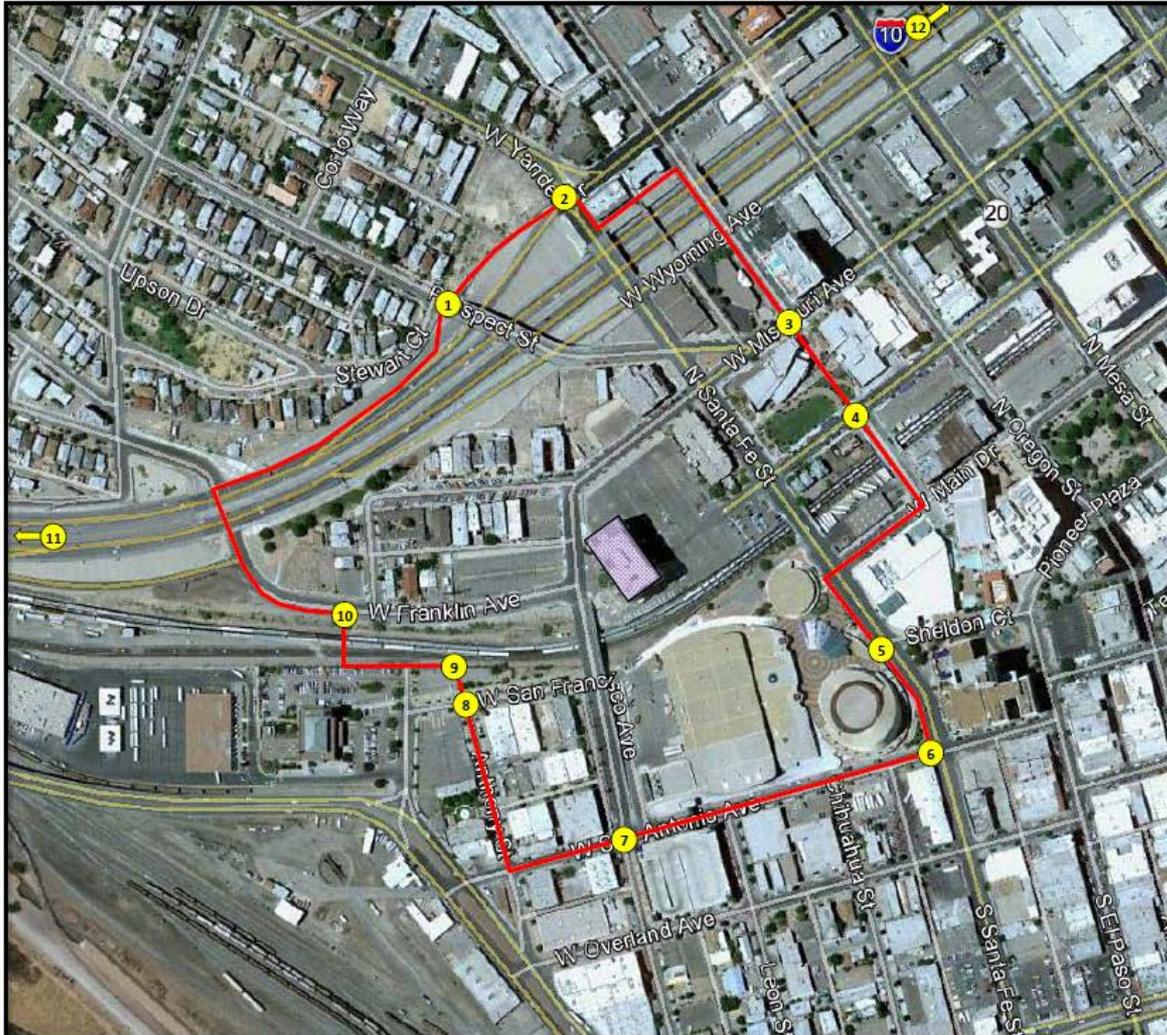
# ***Plan and Logistics***

## ***– Contingency Plan***

- ***Multiple Pieces Heavy Equipment on Site***
- ***UP Derailment Contractor (RC Corman) on Standby***
- ***EP OEM Command Center set up***
  - ***Police***
  - ***Fire***
  - ***TXDOT***
  - ***UPRR***
  - ***EPDOT***
  - ***UTILITIES***



# Plan and Logistics



**NOTE:**  
This drawing is preliminary and to be used for discussion purposes at this time.

**LEGEND:**

- El Paso City Hall (Building to be Imploded)
- Exclusion Zone
- Road Closures:

| CLOSURE LOCATION:                     | CLOSURE BY:      |
|---------------------------------------|------------------|
| 1 Prospect St @ Upson Dr              | El Paso PD       |
| 2 W. Yandell Dr @ N. Santa Fe St      | El Paso PD       |
| 3 W. Missouri @ N. El Paso St         | El Paso PD       |
| 4 E. Franklin Ave @ N. El Paso St     | El Paso PD       |
| 5 N. Santa Fe St @ Sheldon Ct         | CDI/Grant Mackay |
| 6 N. Santa Fe St @ W. San Antonio Ave | El Paso PD       |
| 7 Durango St @ W. San Antonio Ave     | El Paso PD       |
| 8 W. San Francisco Ave @ Anthony St   | El Paso PD       |
| 9 Sun Metro Marking Lot               | CDI/Grant Mackay |
| 10 W. Franklin Ave @ N. Coldwell St   | El Paso PD       |
| 11 I-10 East @ Exit 16                | Texas DOT        |
| 12 I-10 West @ Exit 19-A              | Texas DOT        |

**WARNING:** The information contained in this drawing is CDI proprietary information. Recipient agrees that they will not permit same to be copied or otherwise distributed to any third party without the express written consent of a CDI Principal.



|  |                                       |               |                     |
|--|---------------------------------------|---------------|---------------------|
| <b>CDI</b> CONTROLLED DEMOLITION, INC.<br>2737 MERRYMAN'S MILL ROAD - PHOENIX - MARYLAND - USA |                                       |               |                     |
| PROJECT:   | El Paso City Hall – El Paso, Texas    |               |                     |
| FOR:   | Grant Mackay Company – Houston, Texas |               |                     |
| REF:   | Preliminary Exclusion Zone            |               |                     |
| CDI File #:  | SCALE: NTS                            | Drawn By: SSL | REV. CDI Drawing #: |
| 12-914   | DATE: 03-25-12                        | Check By: RDZ | 01 12914-02         |



# Plan and Logistics

## -Outreach Plan for Neighbors

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### YOUR ATTENTION PLEASE

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The City of El Paso (Owner), Jordan/Hunt Joint Venture, (General Contractor), Grant Mackay Demolition (Main Demolition Contractor) and Controlled Demolition, Inc. ("CDI" - Implosion Subcontractor) would like you to be aware that on Sunday, the 14<sup>th</sup> of April, 2013 at 9:00 AM, the old El Paso City Hall will be demolished by implosion.

Implosion is a process where a small amount of explosives is used to disrupt selected supports in a building. This allows gravity to pull the structure down in a controlled manner. CDI has used this implosion method thousands of times around the world during the past 65 years to remove unwanted structures.

There are three (3) points we would like to make you aware of:

1. Dust is an unpreventable byproduct of all types of demolition. With a wrecking ball, the building is slowly broken up releasing dust over several months. With implosion, the same overall quantity of dust is released over several seconds, and may linger in the general area for 4 to 6 minutes. Depending on wind speed and direction on the day of the implosion, the dust may or may not reach your properties. As a precautionary measure, we recommend that you see that all windows, doors and air intakes are closed, and cover any other openings that might allow dust to enter your apartment, house or building. We also recommend that you turn off all exhaust fans before or at the time of the implosion as these might draw air in to your building through cracks in walls and windows.
2. Early Sunday morning, the El Paso Police Department will set up a Exclusion Zone around the buildings. This is to prevent people from getting too close. Your property is INSIDE this Exclusion Zone. We need your cooperation with the Police and contractors to make sure that this is a safe job. Everything they say to you or ask of you is to minimize inconvenience or to promote safety.
3. The City of El Paso and Controlled Demolition, Inc. would like to advise you that there will be heavy dust in the block immediately surrounding the demolition site. Dust may also prevail outside and downwind of the safety zone, depending on weather conditions. If you find dust uncomfortable or irritating, or if you have any respiratory conditions that would be aggravated by dust, please stay indoors during the demolition.

Should you have any questions, you should direct them to:



# ***Comments/Questions***