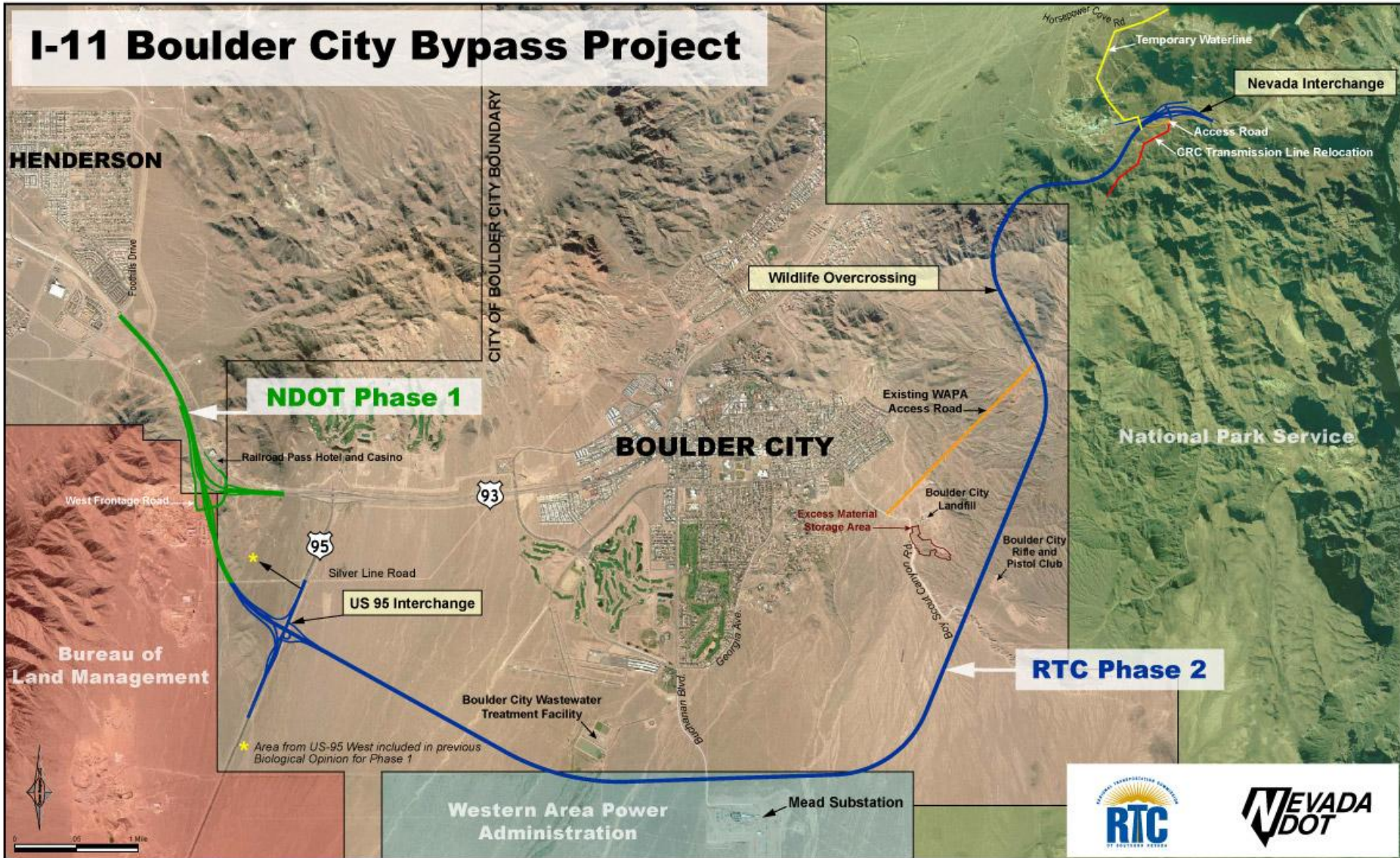


I-11 Boulder City Bypass Project



All information presented is preliminary subject to revision.



I-11 Boulder City Bypass Schedule

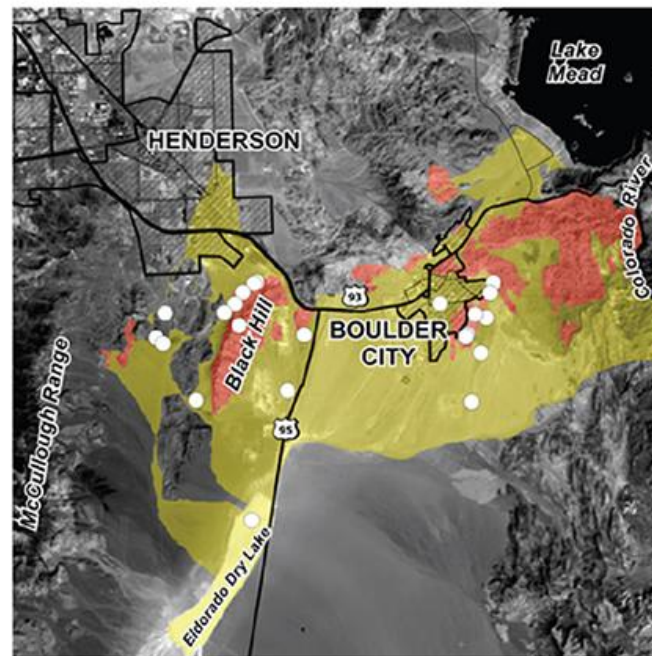
- Complete Bid Process, Phase 1 and Phase 2 **Fall 2014**
- Comment Period Closes **November 4, 2014**
- Complete Re-evaluation of 2005 Environmental Impact Statement **November 21, 2014**
- Start Construction, Phase 1 and Phase 2 **Spring 2015**
- Complete Construction, Phase 1 and Phase 2 **Summer 2018**





Naturally Occurring Asbestos (NOA)

- “NOA occurs in rocks and soil as a result of natural geologic processes. Natural weathering and human activities may disturb NOA-bearing rock or soil and release mineral fibers into the air, which pose a greater potential for human exposure by inhalation.” (EPA)
- “NOA does not refer to commercially processed, asbestos-containing material, such as insulation and fire protection in buildings or automobile brake linings.” (EPA)
- Occurs in at least 35 States, 42 California Counties, and Clark County, Nevada

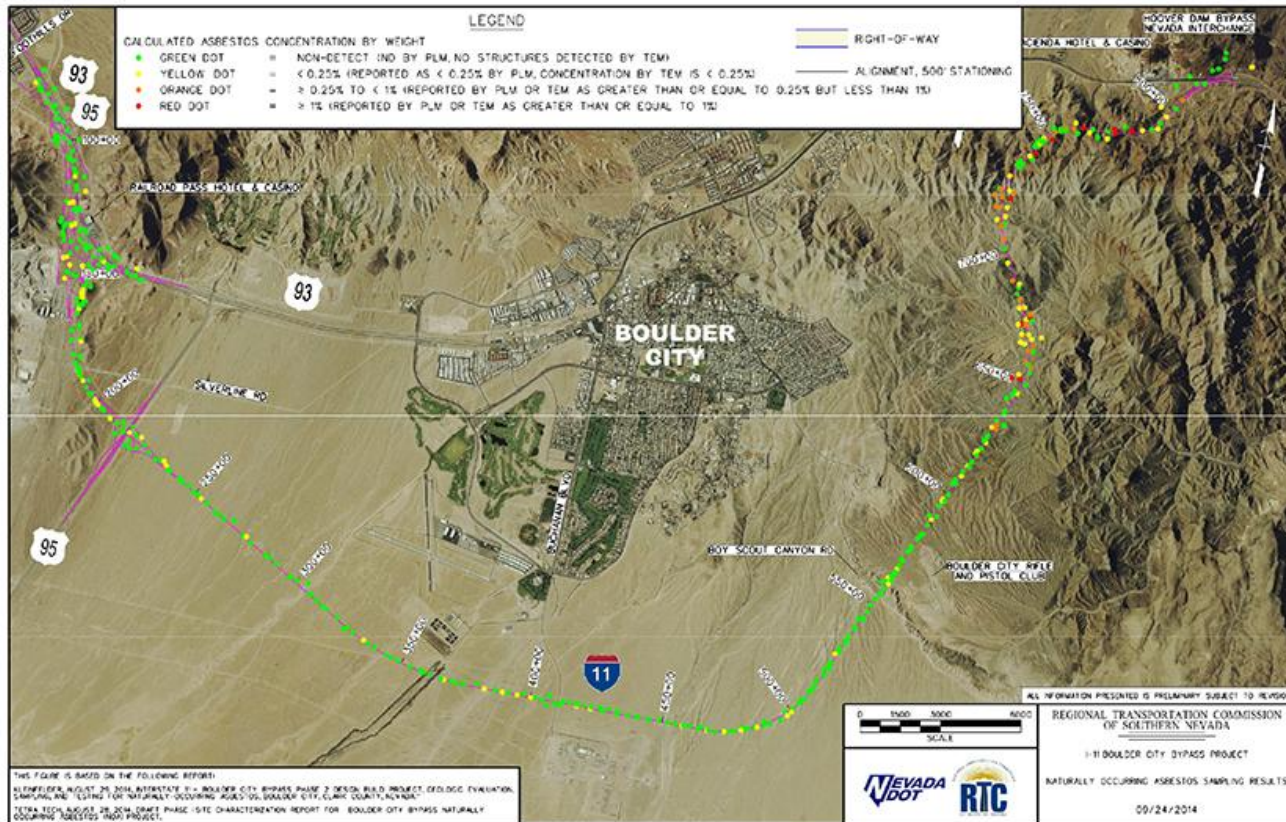


Potential naturally occurring asbestos rock outcrops (red) and potential NOA bearing soils (yellow). White circles are sample locations (taken from Buck et al. 2013: Figure 2)



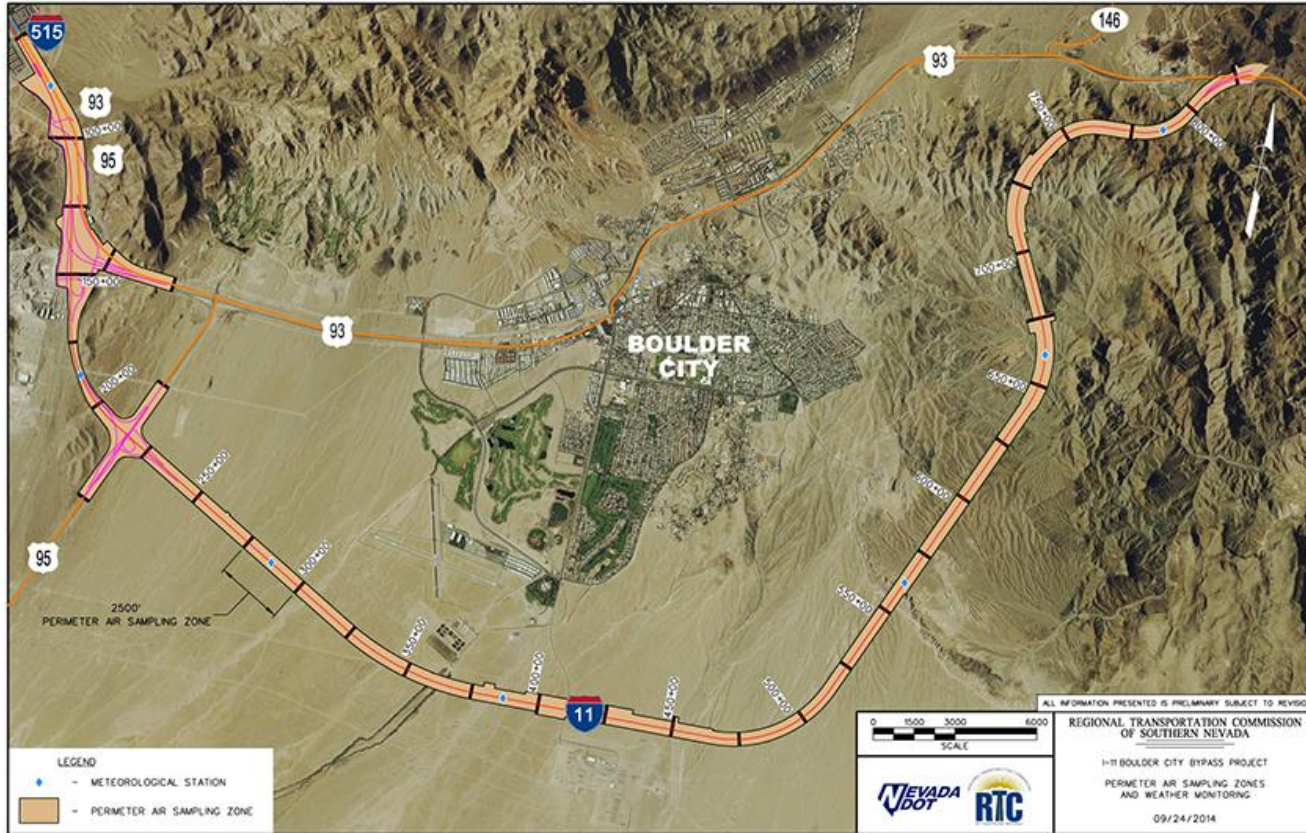


Naturally Occurring Asbestos Sampling Results





Perimeter Air Sampling Zones and Weather Monitoring



All information presented is preliminary subject to revision.





Measures recommended by EPA to mitigate exposure to dust from naturally occurring asbestos include the following:

- | | To be performed by Contractor |
|---|---|
| 1) Wetting work areas and unpaved road surfaces using water trucks, hoses, spray systems or sprinklers. | YES <input checked="" type="checkbox"/> |
| 2) Clean equipment and vehicles to prevent tracking soil out of the work area. | YES <input checked="" type="checkbox"/> |
| 3) Reduce vehicle driving speeds in the work area. | YES <input checked="" type="checkbox"/> |
| 4) Reduce drilling and excavating speeds. | YES <input checked="" type="checkbox"/> |
| 5) Avoid overloading trucks. | YES <input checked="" type="checkbox"/> |
| 6) Excavate during periods of calm or low wind speeds. | YES <input checked="" type="checkbox"/> |





Compliance measures during construction to minimize exposure to dust with NOA

- 1) Air quality monitoring during construction.
- 2) Following California Air Resources Board (CARB) regulations for NOA.
- 3) On-site dust monitoring by the Clark County Department of Air Quality.
- 4) Construction in accordance with recommended EPA measures to mitigate exposure to dust with NOA.
- 5) Construction in accordance with Clark County dust control permit.
- 6) Covering or capping NOA material with soil or rock meeting CARB standards for surfacing applications.

