

**TECHNICAL APPENDIX**



**AA. ENVIRONMENTAL SCAN**

## MEMORANDUM

**DATE:** May 1, 2017  
**TO:** Andy Daleiden, PE  
Project Manager  
**FROM:** Kristen McCoy  
**SUBJECT:** Environmental Scan  
**PROJECT NO.** Key No. 20049 (ACHD Project No. 317045)  
**PROJECT NAME:** Int. Glenwood & State St Study

### PROJECT DESCRIPTION

The Glenwood Street and State Street intersection is a critical junction for moving people and goods through the State Street corridor and connecting the cities of Boise and Garden City. This signalized, high-volume intersection carries approximately 45,000 daily vehicles and two of the highest transit ridership routes (#9 and #9X) in the Treasure Valley. The adjacent land uses serve as a regional commercial hub and evolving transit-oriented development (TOD) node. The intersection has a diverse set of challenges, which have led to the Idaho Transportation Department (ITD) and Ada County Highway District (ACHD) partnering to lead the Glenwood Street and State Street Intersection Study.

This 12-month Study will engage partnering agencies, property owners, businesses, and the community at-large to assess and identify a preferred intersection solution at the Glenwood Street and State Street intersection that:

- Improves intersection functionality for all users, including those with disabilities,
- Provides enhanced opportunities for pedestrian and bicycle connectivity,
- Accommodates the surrounding current and planned land uses, including the proposed redevelopment of State Street as a transit-oriented corridor, and
- Complies with ACHD and ITD standards and supports the State Street Transit & Traffic Operational Plan.

The study area is shown to the right.

This Environmental Scan Memo was prepared to identify known environmental constraints within the project study area. Online research was conducted to determine if the project area included any known historic sites, hazardous materials, threatened & endangered species, or



wetlands. The environmental scan did not include a field reconnaissance or regulatory agency coordination. Information obtained from the online research will aid in the development of the proposed alternative to avoid impacting environmental resources within the study area. The environmental scan consisted of reviewing the following databases:

- Idaho Department of Environmental Quality (IDEQ) Underground Storage Tank / Leaking Underground Storage Tank Database
- Environmental Protection Agency (EPA) Envirofacts Database
- US Fish and Wildlife Service (USFWS) Information for Planning Conservation – Threatened and Endangered Species List
- US Fish and Wildlife Service (USFWS) National Wetlands Inventory
- National Register of Historic Places

### Hazardous Materials – Underground Storage Tank Database

A review of the Idaho Department of Environmental Quality (IDEQ) Underground Storage Tank (UST) and Leaking Underground Storage Tank (LUST) database identified seven locations with underground storage tanks:

- Maverick Country Store, located on the south side of State Street, east of Bogart Lane (8561 W. State Street). This facility has three underground tanks with gasoline and diesel ranging in capacity from 6,000 to 10,000 gallons, all of which were inspected in 2016 and in compliance. One LUST event was identified at the site in 1997, with cleanup completed in 2001.
- Idaho Department of Lands, located east of the Maverick on the south side of State Street (8255 W. State Street). This facility has one 1,000 gallon gasoline tank which is permanently out of use. One LUST event was identified at the site in 1993, with cleanup also completed in 1993.
- Bronco Gas, located at the southeast corner of the State Street and Glenwood Street intersection (7227 W. State Street). This facility includes six tanks with gasoline and diesel which are all permanently out of use. One LUST event was identified at the site in 1992, with cleanup completed in 1995.
- Goodyear Tire Store, located on the east side of Glenwood Street, between Riverside Drive and State Street (6730 Glenwood Street). This facility has one 500 gallon used oil tank which is permanently out of use.
- Jackson's Food Stores, located at the southwest corner of Glenwood Street and Marigold Street (5985 Glenwood Street). The facility includes three underground storage tanks with gasoline and diesel fuel ranging in capacity between 6,000 and 20,000 gallons. All three tanks were inspected in 2014 and were in compliance.
- Cole-Collister Fire Protection located southeast of the Glenwood Street and Marigold Street intersection (5800 Glenwood Street). The facility includes two 1,000 gallon tanks which are permanently out of use.
- Jackson's Food Stores, located on the northwest corner of the intersection of State Street and Pierce Park Lane (6400 W. State Street). The facility has one 12,000 gallon underground tank, four 8,000 gallon underground tanks and one 4,000 gallon underground tank, all of which were inspected in 2014 and in compliance.

### Hazardous Materials – EPA Envirofacts Database

The United States Environmental Protection Agency (EPA) Envirofacts database identified ten sites that could handle hazardous materials within the project area:

- Maverick Store on the south side of State Street, east of Bogart Lane
- Treasure Valley Collision Center on the south side of State Street, east of Maverick
- R&M Steel Company (7700 W. State Street) near the Walmart on the southwest corner of State Street and Glenwood Street

- Robertson's Auto Body (7361 W. State Street)
- Walmart Super Center (7319 W. State Street)
- Rite Aid (7020 W. State Street)
- Westco Martinizing (7150 W. State Street)
- Hansen-Rice (6015 Glenwood Street)
- Jackson's Food Stores at the corner of Glenwood Street and Marigold Street
- Jackson's Food Stores at the corner of State Street & Pierce Park

## Threatened & Endangered Species

The US Fish and Wildlife Service (USFWS) Information for Planning and Conservation (IPaC) database was reviewed to identify potential endangered species within the project area. The list identified the following threatened species:

- Yellow-billed Cuckoo: These birds are fairly large, long and slim with yellow bills. The USFWS Environmental Conservation Online System (ECOS) maps, which document species occurrences, indicate potential occurrence of the species within the project area. Critical habitat areas for the yellow-billed cuckoo are found in four areas of Idaho, none of which are within Ada County.
- Slickspot Peppergrass: This flowering plant is found almost exclusively in the slick spots of southwestern Idaho. ECOS maps noted the potential occurrence of the plant within the project area, although critical habitat occurrence was within the Boise foothills, miles from the project area.

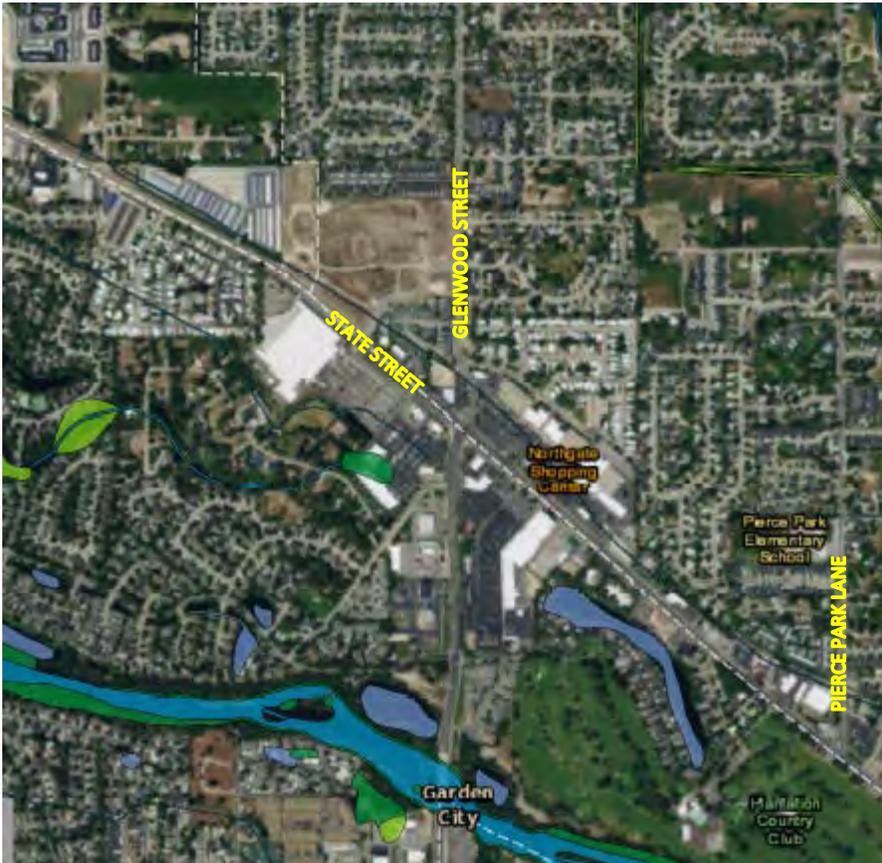
## Floodplains

The Federal Emergency Management Administration (FEMA) Flood Rate Insurance Maps indicate that the Boise River and surrounding area is a mapped floodway (see below). The project area surrounding it is located both within mapped flood zones AE and X. Zone AE is an area defined as having a 1% chance of being inundated by flood event, and referred to as the 100-year flood. Zone X is the area between the limits of the base flood and 0.2% annual chance of being inundated by flood event, referred to as the 500-year flood.



## Wetlands

A review of the USFWS National Wetlands Inventory Database indicates there are several wetland areas within the project area (see below). Most notably is the Boise River which runs parallel to State Street and crosses Glenwood Street north of Marigold Street. A freshwater forested/shrub wetland area is located south of the Boise River near the Garden City Library. Several other ponds are located within the project area. Lastly, the Boise Valley Canal also parallels State Street through the project area, crossing Gary Lane north of State Street.



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|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Forested/Shrub Wetland |  Other    |
|  Estuarine and Marine Wetland   |  Freshwater Pond                   |  Riverine |
|  Freshwater Emergent Wetland    |  Lake                              |  |

## Historic Sites

A review of the Idaho National Register of Historic Places found no sites on the register within the project area.

## CONCLUSION

This environmental scan has identified known environmental resources within the project areas based on a desktop review of available information. This document is intended to aid in the development of potential design alternatives and does not serve as the environmental document for any proposed future design phases. The environmental scan revealed the following information:

- The project area for the State Street and Glenwood Street intersection project is primarily urban and developed with commercial and some residential uses.
- Several commercial facilities include underground storage tanks, some of which have experienced leaks that have been cleaned. All tanks currently in use have been in compliance as of their last inspection. There are numerous hazardous material handling sites within the project area including gas stations, auto body repair shops, grocery stores, and a dry cleaner.
- Freshwater Forested/Shrub Wetlands are present within the project area, per the USFWS National Wetlands Inventory Database. A waters of the U.S. including wetland delineation should be conducted to identify any additional irrigation features within the project area, as well as presence or absence of wetlands. Any proposed construction activity in or near these features could potentially require a permit from the United States Army Corps of Engineers (USACE).

This information should be used as a guide for alternative development. Based on this high-level evaluation, the following environmental permits, studies and/or consultations should be obtained and/or conducted during future design phases, prior to construction if federal funds are utilized:

- NEPA Environmental Document (likely a Categorical Exclusion).
- Archaeological and Historic Survey Report in accordance with Section 106 of the National Historic Preservation Act.
- Waters of the US and Wetland Delineation Report in accordance with Section 404 of the Clean Water Act.
- Traffic Noise Analysis in accordance with FHWA guidelines and ITD Noise Policy (if additional through lanes are proposed).
- Biological Evaluation to determine if the project has “No Effect” to threatened and endangered species and/or critical habitat.
- Hazardous Materials Assessment.
- Air Quality Analysis.
- Hydraulic Report will be required if modifying the crossing of the Boise River.
- Floodplain Development Permit and No-Rise Certification from Ada County and/or the City of Boise may be required for construction within the floodplain.
- NPDES Stormwater Permit if the project will discharge stormwater to waters of the US and disturb more than one acre of ground.
- Joint Application for Permit.
- Section 401 Certification.