

**Preconstruction Services**

- Roadway and Roadside Design:**
- Horizontal and vertical alignments.
  - 3D Corridor modeling.
  - Design criteria & PDC approval.
  - Sidewalk and Shared Use design.
  - Grading plans.
  - Signing and striping design.
  - Minimum vertical clearance calculations.
  - Parapet to guardrail & barrier transition design.
  - Roadway, utility, and MOT cost estimates.
- Signalized Intersection Design:**
- Signal plans.
  - Lighting and ATMS coordination and design.
  - Signal Circuit and radar layout.
  - Signals order form for state furnished materials.
- Drainage Design:**
- Curb and gutter and catch basin design.
  - Grading plans.
  - Countermeasure design (Riprap).
  - Prepare hydrology and hydraulics report.
  - Bridge and box culvert hydraulics.
  - Erosion control plans.
  - Stream alteration permits and coordination.
- MOT and Limitation of Operations (555):**
- Maintenance of traffic plans for detour routes.
  - Prepare limitation of operations specification.
  - Coordination with traffic engineers at the Region and Traffic Operations Center.
- Project Management and Advertising:**
- Manage project schedule & milestone reviews.
  - Prepare specs, M&P, & Masterworks Estimate.
  - Coordination with Structures and Region PMs.
  - Coordination with Region & Central Advertising.
  - Constructability review coordination.
- Utility and Railroad Coordination:**
- Utility relocation agreements coordination.
  - Coordination with UPRR and UTA.
  - Prepare railroad & utility special provisions.
- Interdisciplinary Coordination:**
- Environmental document coordination.
  - Right of way and geotechnical coordination.
  - Design support during construction.

**Perkins - Roadway Design Projects**

**Region 1**

<b>I-84 over Deep Creek Preserve. F-279</b>	<i>Services: Project Management, Parapet to Guardrail Transition Design, Advertising.</i>
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**Region 2**

<b>Highland Dr in Holladay</b>	<i>Services: Roadway, Drainage and Signal Design, Project Management, Utility Coordination, PS&amp;E, Maintenance of Traffic, Advertising, PS&amp;E</i>
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<b>Holladay Blvd and 2300 E</b>	<i>Services: Roadway, Signal and Drainage Design, Project Management, Utility Coordination and Right-of-Way Support</i>
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<b>SR-65 over Weber River, I-84, &amp; UPRR Henefer</b>	<i>Services: Bridge Preservations and Replacement at 5 Locations Services: Project Management, Advertising, MOT Detour Plans, and 555</i>
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**Region 3**

	<b>SR-311 over Strawberry River Replace C-72</b>	<i>Services: Bridge Hydraulics, Freeboard, Scour analysis, Riprap Design, Project Management, Roadway Design, Utility Coordination, Advertising, and MOT</i>
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**Region 4**

<b>I-15 over Nichols Rd Replace D-762</b>	<i>Services: Project Management, Roadway and Drainage Design, PS&amp;E, Utility Coordination, Structures Support, Advertising</i>
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