



General Project Description:

RE&LS performed survey stakeout for repairs to the Route I-490 Ramp A Bridge, The bridge carries traffic from Route 96 to I-490 westbound and from I-490 westbound to Route 96 at Exit 27. The piers and other support elements of the bridge were in need of replacement. In addition, one of the slopes on the ramp had eroded. Our scope of services included review of construction documents, locating existing field control, performing control adjustments and preparing the contract control plan. We also set additional project benchmarks and horizontal control along with staking out the project centerline alignments/baselines. Layout grades and locations were provided for curbs/concrete median, bridge approach slabs, bridge deck, abutments/piles, piers/piles and footing for precast pier, light poles and pull boxes, anchor bolts, pedestal and haunch elevations. A machine control model was created for the new earthwork.

