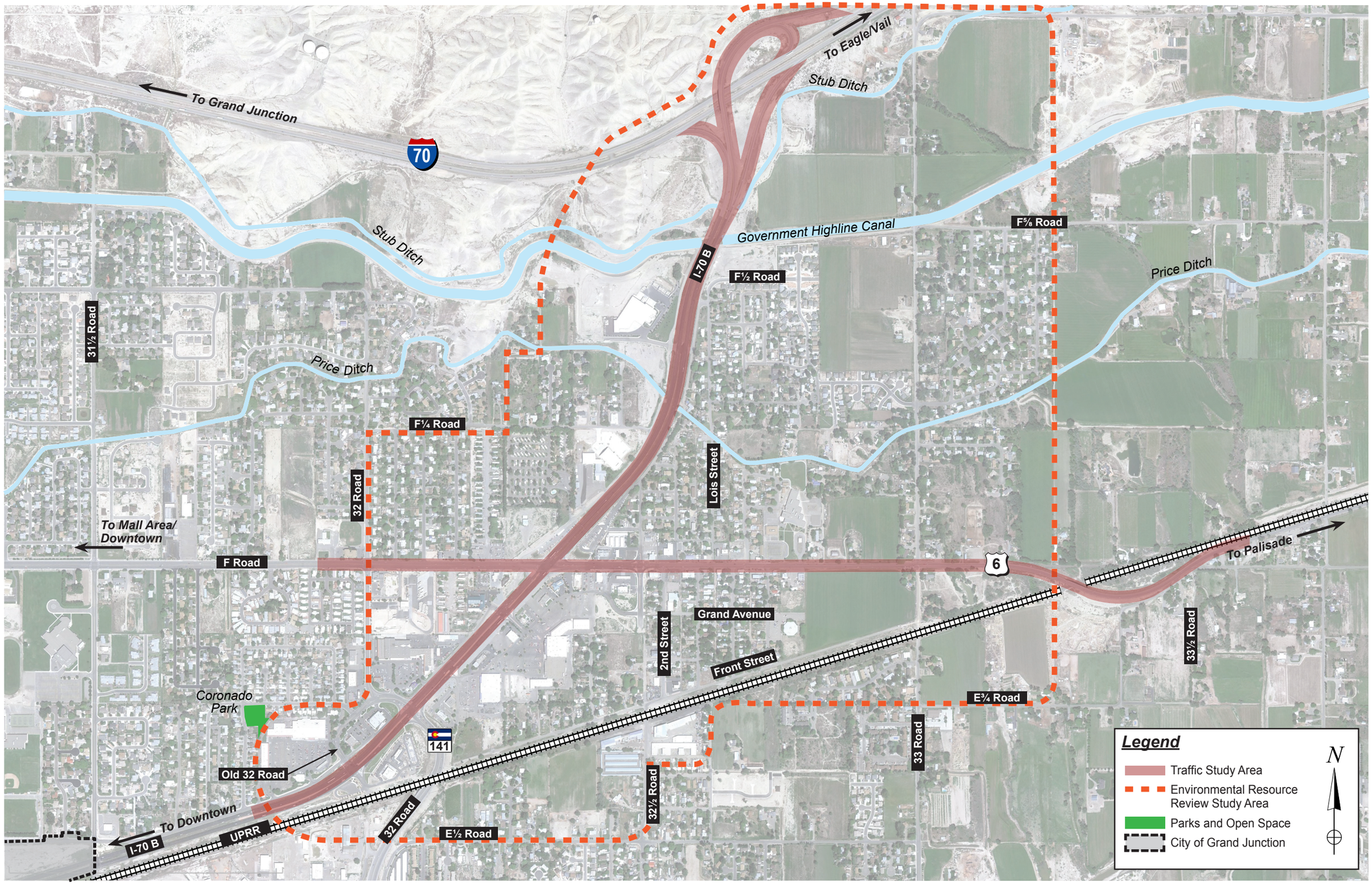Preliminary Study Area