

Dec 2nd, 2024

ATTN: Estimating Dept.

**RE: Ped. Overpass Structure/SR-92 and Digital Drive
Drilled Shaft Installation
Lehi, UT
Est. No. WA-20-222**

Mitch Metal is pleased to provide this Proposal for the installation of the Drilled Shafts on the above referenced project. Our proposal is based on the following unit prices, scope of work and attached Standard Conditions.

PROPOSAL IS BASED UPON THE FOLLOWING INFORMATION PROVIDED BY OTHERS:

- Design by: Civil Science.

SCOPE OF WORK TO BE PERFORMED:

- Mobilization of equipment and tooling to site.
- Provide labor and equipment necessary to install (5 each) 1.5 meter diameter drilled shafts.
- Furnish and install the drilled shaft concrete to the bottom of pile cap or construction joint elevation.
- Supply and place 4000P Drilled Shaft concrete.
- Provide SID Shaft inspection when necessary.
- Provide and install permanent casing for Bents 2,3 and 4 to the first construction joint elevation.

BID PROPOSAL: (DRILLED SHAFT WORK)

1	Mobilization	1	LS	\$184,966.96	\$184,966.96
84	Drilled Shafts 60 Inch	188	LF	\$867.08	\$163,011.04
				Total	\$347,978.00

CONSTRUCTION METHODS:

Mitch Metal proposes to use rotary drilling and oscillator methods for the installation of the drilled shafts, all in accordance with the contract plans and specifications. The proposed means and methods are based upon our extensive experience with these techniques in similar subsurface conditions.

BID ASSUMPTIONS:

- This proposal is based on 1 mobilization of the drilled shaft crew to the site and 2 onsite mobs. Any additional mobilizations shall be treated as extra work and shall be charged on a time and material basis.

SEQUENCE & SCHEDULE:

- Mitch Metal will work 5 days per week (Monday thru Friday), approximately 10 hours per day (7 AM to 5 PM).
- Mitch Metal has assumed that all shafts will take roughly 5 workings days. These durations do not include mobilization.

ACCESS & UTILITIES:

- Clear access/egress shall be provided for Mitch Metal to do its work. It's our assumption that any and all utilities that may conflict with Drilled Shaft installation must be removed, de-energized or relocated prior to Mitch Metals work. It has been assumed that there shall be no low overhead shafts on this project.
- Prime Contractor shall provide suitable locations to allow Mitch Metals to complete its work and staging (for material, tooling, drill unit, concrete boom pump, concrete trucks, cranes, etc.). Minimum staging area requirements are 50 feet by 100 feet.

SUPPLIED BY OTHERS:

- Spoil removal, including removal of excess concrete, shall be done in a timely manner so as not to interfere or slow production of the drilled shafts in any way.
- Supply and install of TIP wires and testing supplied by others.
- Supply and install of CSL tubes and testing supplies by others.
- If water or slurry is needed for drilling, baker tanks will be supplied by others. A minimum of 2 (20,000 gal) tanks will be necessary.
- Rebar cages shall be supplied full length. No down time for splicing has been accounted for. All rebar cages shall be either fabricated or delivered adjacent to drill shaft locations within 50 feet picking distance of Mitch Metals cranes.
- Rebar cages must be adequately tied and sufficiently braced so they will retain their shape during handling, lifting placing of concrete and casing withdrawal. All rebar cages must be jointly inspected on-site by the Prime Contractor, rebar Subcontractor and Mitch Metals to ensure full compliance with Mitch Metals picking plan. For bidding purposes, Mitch Metals has assumed the following minimum requirements:
 - 4 each bars tied 100% with double wire and the remaining hoop to vertical intersections tied at a minimum 50% uniformly distributed of the entire length of the rebar cage. Adequate cross bracing must be installed to handle the lifting forces during the cage picks.