GRINDING & TEXTURING CONCRETE DECKS
For concrete decks where the surface must be non-skid, various techniques are available. For
concrete decks, the surface should be non-skid in all areas. The following methods are available:

1. Shoeshone method: Apply a thin layer of concrete to the existing deck surface. This method
is effective for small areas and can be done in a relatively short period of time.

2. Diamond grinding: This method involves grinding the concrete surface with a diamond
grinder. It is effective for large areas and can produce a smooth, non-skid surface.

3. Shotcrete method: Apply a thin layer of concrete to the existing deck surface. This method
is effective for small areas and can be done in a relatively short period of time.

STRUCTURAL STEEL
Structural steel is used in various applications, such as bridges, buildings, and
industrial structures. The following methods are available:

1. Structural steel fabrication: This method involves the production of structural steel
components in a factory setting. It is effective for large-scale projects and can be
completed in a relatively short period of time.

2. Site fabrication: This method involves the production of structural steel components on
the job site. It is effective for smaller projects and can be completed in a short
period of time.

3. Welding: This method involves the joining of structural steel components using a
electric arc or gas-welding technique. It is effective for smaller projects and can
be completed in a short period of time.

COMPLETION DATES
The completion dates for each project are as follows:

- Bridge Project 1: November 2023
- Bridge Project 2: December 2023
- Bridge Project 3: January 2024

Material & Workmanship
- Bridge Project 1:
  - Piers: Concrete
  - Beams: Steel
- Bridge Project 2:
  - Piers: Concrete
  - Beams: Steel
- Bridge Project 3:
  - Piers: Concrete
  - Beams: Steel

Design Data
- Bridge Project 1:
  - Span Length: 120 ft
  - Deck Width: 30 ft
- Bridge Project 2:
  - Span Length: 180 ft
  - Deck Width: 30 ft
- Bridge Project 3:
  - Span Length: 240 ft
  - Deck Width: 30 ft

Specifications
- Bridge Project 1:
  - Code: AASHTO LRFD
  - Load Class: Class C
- Bridge Project 2:
  - Code: AASHTO LRFD
  - Load Class: Class C
- Bridge Project 3:
  - Code: AASHTO LRFD
  - Load Class: Class C