



DESIGN DATA

CONCRETE (GRADE 4.0) $f_c = 4$ K.S.I.
REINFORCING STEEL (GRADE 60) $f_y = 60$ K.S.I.

DESIGN (FOOTING AND DECK ONLY):
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.

FOUNDATION DATA

FACTORED BEARING PRESSURE 1,994 PSF
NOMINAL BEARING RESISTANCE 4,000 PSF (ASSUMED)
BEARING RESISTANCE FACTOR 0.5
FACTORED BEARING RESISTANCE 2,000 PSF

| ABUTMENT QUANTITIES | | | |
|----------------------------|------|-------------|-------------|
| ITEM | UNIT | ABUT. NO. 1 | ABUT. NO. 2 |
| AGGREGATE BASE ** | TONS | 5.8 | 10.0 |
| CONCRETE (GRADE 4.0) | C.Y. | 16.1 | 27.1 |
| REINFORCING STEEL (GR. 60) | LBS. | 980 | 1,650 |

** SUBSIDIARY TO ABUTMENT BID ITEMS (FOR INFORMATION ONLY)

| BRIDGE DECK BAR LIST | | | | | |
|----------------------|------|-----|------|--------|---------------|
| PLAIN REINFORCING | | | | | |
| MARK | SIZE | NO. | FORM | LENGTH | NOTES |
| D1 | #4 | 71 | STR. | 5'-8" | |
| D2 | #4 | 12 | STR. | 74'-2" | INCLUDES LAPS |

| BRIDGE DECK QUANTITIES | | |
|----------------------------|-----------------|------|
| ITEM | QUANTITY (EST.) | UNIT |
| CONCRETE (GRADE 4.0) (AE) | 6.8 | CY |
| REINFORCING STEEL (GR. 60) | 870 | LBS. |

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BRIDGE DETAILS

| | | |
|-------------|------------|---------|
| PROJECT NO. | 1901010483 | |
| DATE | 03/21/2022 | |
| SCALE | NO SCALE | |
| DESIGNED | DRAWN | CHECKED |
| JTH | DMU | SLF |

| | | |
|-----|-------------------------|---------|
| 0 | ISSUED FOR CONSTRUCTION | 3/21/22 |
| NO. | REVISION | DATE |

SHEET NO.
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