

Purpose of Calculation

Bridge design calculations were made for costing purposes.

Requirements

1. Specifications and References

AASHTO 17th Edition, 2002

AREMA, 2007

GDOT Bridge Design Manual, 2008

2. Computer

Computer Type Used: PC

Operating System: Windows XP, Pentium 4, 2GB RAM (min.)

3. Computer Programs (Standard Computer Program)

BRPSBM1 - PSC beam design and Analysis, by GDOT

BRCTBM - Continuous Steel Beam Design, by GDOT

MDX v.6.5 - Steel Girder Design and Analysis, by MDX Software

BRPAD1 - Elastomeric Bearing Design, by GDOT

BRLLCA - Live Load Case Program, by GDOT

BRPIER - Pier Design and Analysis, by GDOT

LEAP Bridge V8i - Concrete Bridge Design and Analysis, by Bentley System, Inc.

Excel, Microsoft Office 2007 - Calculation Spreadsheets by PBS&J