PEER-Bridge Program RFP 21-03:

Major type of Caltrans temporary bridge is shown in the 3 bridge examples.

Important Notes:

1. Prefabricated modular steel panel is utilized for typical bridge superstructure. Modular superstructure is designed and supplied by Contractor.
2. The focus of this research project shall be on support elements (e.g., columns, abutments, and foundations)
3. Temporary bridges are typically designed in accordance to AASTHO LRFD Bridge Design Specification with CA Amendments.
4. Example 3 is less common.
EXAMPLE 1

GENERAL NOTES

DESIGN: BRIDGE DESIGN SPECIFICATIONS
APRIL 2006 LFD
(1996 AASHTO with Interims and
Revisions by CALTRANS)

ACROW TDD
SERIES
MODULAR
BRIDGE: [Reinforced]
LIVE LOADING:
HS25-44 - 1 Lane
REINFORCED CONCRETE:
f_y = 60,000 psi
f_c = 3,250 psi
n = 9
STRUCTURAL STEEL:
f_y = 36,000 psi

INDEX TO PLANS

SHEET NO. TITLE
1 GENERAL PLAN
2 ABUTMENT 1 LAYOUT
3 ABUTMENT 2 LAYOUT

STANDARD PLANS DATED MAY 2006

SHEET NO. TITLE
A10A ACRONYMS ABBREVIATIONS (SHEET 1 OF 2)
A10B ACRONYMS ABBREVIATIONS (SHEET 2 OF 2)
B0-1 BRIDGE DETAILS
B0-3 BRIDGE DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN

DESIGN BRANCH 6

ROUTE 140 SLIDE - TEMPORARY BRIDGE (DOWNSTREAM)

GENERAL PLAN
EXAMPLE 2

GENERAL NOTES

DESIGN:
BRIDGE DESIGN SPECIFICATIONS
APRIL 2000 (FD)
(1996 AASHO with Interim and
Revisions by CALTRANS)

AID# 700
SERIES
MODULAR
BRIDGE:
(Reinforced)
LIVE
LOAD:
HS25-44 - 1 Lane
REINFORCED
CONCRETE:
fy = 60,000 psi
f'c = 3,250 psi
n = 9
STRUCTURAL
STEEL:
f_y = 36,000 psi

INDEX TO PLANS

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TITLE
GENERAL PLAN
ABUTMENT 1 LAYOUT
ABUTMENT 2 LAYOUT
ABUTMENT 3 DETAILS
BENT DETAILS NO 1
BENT DETAILS NO 2
BENT DETAILS NO 3

STANDARD PLANS DATED MAY 2006

SHEET NO.
A10A
A10B
B0-1
B0-3

TITLE
ACRONYMS ABBREVIATIONS (SHEET 1 OF 2)
ACRONYMS ABBREVIATIONS (SHEET 2 OF 2)
BRIDGE DETAILS
BRIDGE DETAILS

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

REFERENCE SHEET - DRAWING NO. 1.00
EXAMPLE 3