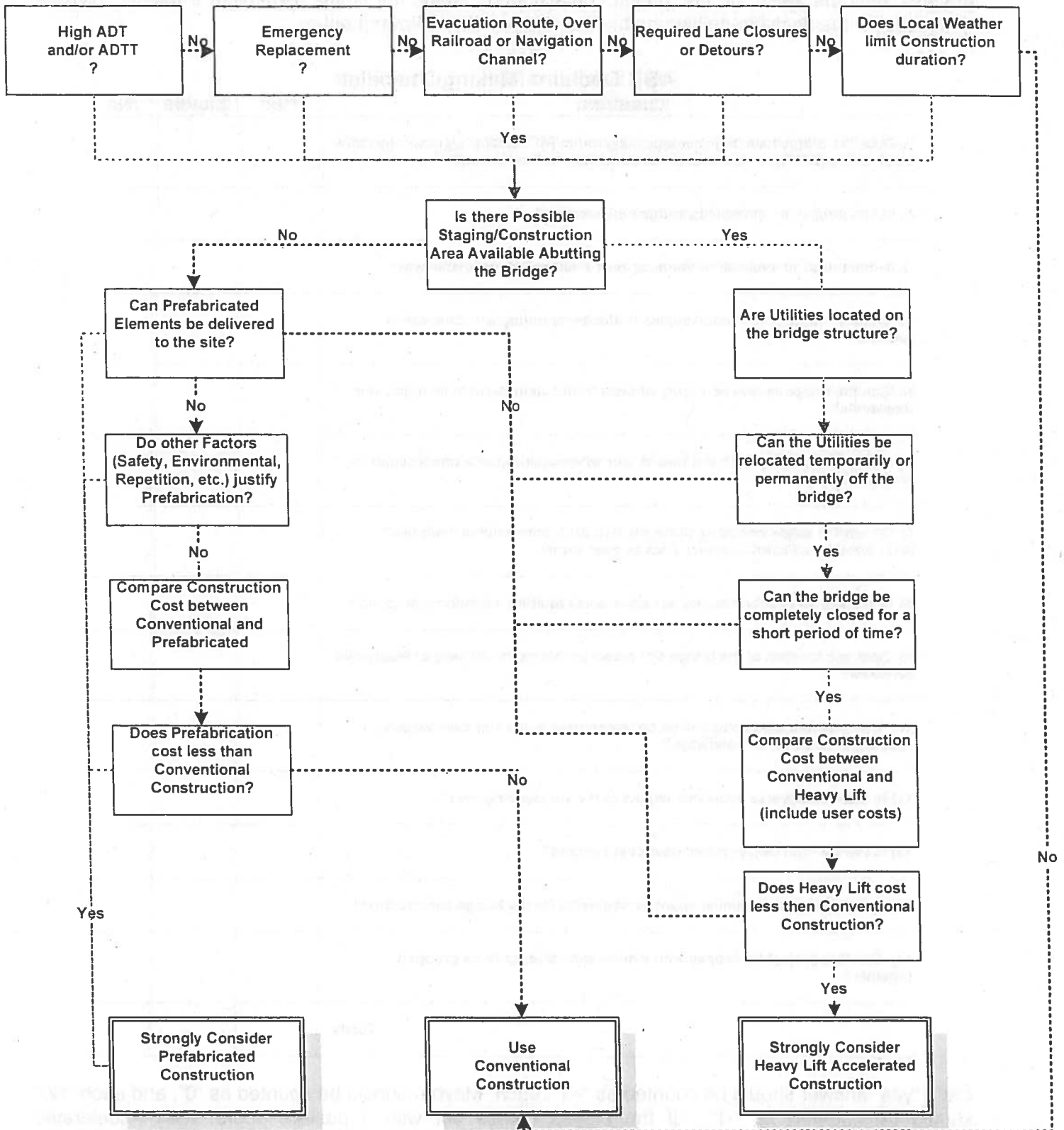


**Accelerated Bridge Program
Decision Flow Chart**

August, 2009



This decision flow chart should be used as a general guideline when considering which project should use Prefabricated Construction or Accelerated Techniques. There may be other site conditions and/or considerations not listed that may effect the use of Prefabricated Construction or Accelerated Techniques.



Accelerated Bridge Decision-Making Matrix

The decision-making matrix checklist should be accompanied with all bridge preliminary plans for the ABP. This matrix allows identification of ABC candidates at an early stage of bridge design. The same process may be used at the project development stage for some expedited Projects. Typical questions for the decision-making matrix are shown in the following table:

ABC Decision Making Checklist Question	Yes	Maybe	No
1) Does the bridge have high average daily traffic (ADT and/or high average daily truck traffic (ADTT), or is it over an existing high-traffic-highway?			
2) Is this project an emergency bridge replacement?			
3) Is the bridge an evacuation route, or over a railroad or navigable way?			
4) Will the bridge construction impact traffic by requiring lane closures or detours?			
5) Can the bridge be closed during off-peak traffic periods such as nights and weekends?			
6) Does local weather limit the time of year when cast-in-place construction is practical?			
7) Do worker safety concerns at the site that limit conventional methods? (e.g., working adjacent to power lines or over water)			
8) Is the site an environmentally sensitive area requiring minimum disruption?			
9) Does the location of the bridge site create problems for delivery of Ready-mix concrete?			
10) Can prefabricated components be transported to the site over existing roadways, railways, or waterways?			
11) Is there an adverse economic impact to the surrounding area?			
12) Is there a high Delay-related user cost concern?			
13) Are there multiple similar spans or segments for the bridge construction?			
14) Can this project be scoped with similar span bridges to be grouped together?			
Totals:			

Each "yes" answer should be counted as "+1", each "Maybe" should be counted as "0", and each "No" should be counted as "-1". If the project comes out with a positive score, then Accelerated Techniques should be strongly considered. The Decision Flow Chart can help in deciding which technique. If the score is close to even, then additional items which should or may be considered are: the Critical path of the project, Rapid recovery/repair required, Environmentally sensitive site, Natural or endangered species and Feasibility, Historic bridge or not.