Dhabi Roads Section Project Manager and shall be stated in the Bridge Selection Report.

To establish the grade line of a structure spanning an existing street or highway, allowance must be made for depth of falsework, where used, to provide the clearance needed to permit traffic through the work area during construction. The minimum allowances to be made for depth of falsework shall be as shown in Table 900.02 and shall be based on the actual falsework openings determined by the Abu Dhabi Roads Section Project Manager.

The minimum vertical clearance for falsework over freeways shall be 4.50 meters.

Where the vertical falsework clearance is less than 4.50 meters, advance warning devices shall be specified or shown on the plans. Such devices may consist of flashing lights, overhead signs, over-height detectors or a combination of these or other devices. A standard insert sheet has been developed for the details of the over-height detectors or safety beams. Providing for these devices in the specifications or on the plans shall be the responsibility of the Abu Dhabi Roads Section Project Manager.

Note to bridge designer: Special consideration shall be given to limit the maximum allowable tension in a precompressed tensile zone of post-tensioned box girder bridges supported on falsework with large openings.

Table 900.01
FALSEWORK SPAN REQUIREMENTS

Facility to be spanned	*Detour No. Lanes*	*Roadway Shoulder Widths (meters)*	*Minimum Width of Traffic Opening (1) (meters)*	*Resulting Falsework Span (1) Temporary Conc. Barrier (meters)*	*Resulting Falsework Span (1) Blocked-out "W" beam (meters)*
Freeway &	1	0.6 & 0.6	4.8	7.2	8.4
Non-Freeway	2	0.6 & 0.6	8.4	10.8	12.0
	3	0.6 & 0.6	12.0	14.4	15.6
	4	0.6 & 0.6	15.6	18.0	19.2

NOTES: (1) Traffic Opening and Falsework Span are measured normal to detour centerline.

Table 900.02
FALSEWORK DEPTH REQUIREMENTS

Falsework Opening (meters)	7.2	8.4	10.8	12.0	14.4	15.6	18.0	19.2
Minimum Required Falsework Depth(mm)								
Max 3365 kg/m per girder line	485	510	585	815	915	1070	1095	1145
3365 - 4580 kg/m per girder line	510	560	815	890	1070	1120	1145	1170

NOTES:

1. *DL based on 2550 kg/m^3 concrete.*
2. *Table 900.02 is based on the superstructure concrete being designed for zero tensile stress at the falsework openings. Superstructures designed with concrete tensile stresses can significantly increase the required falsework depths shown in the table and amount of falsework required.*
3. *Structures with greater than 4580 kg/m Dead Load per girder line will require special considerations for required falsework depths.*