Facing costly repairs and re-design of your structural steel?



THE BEST TIME TO ACT

Using Concrete Structure Investigations (CSI) Ltd diagnostic testing services for Construction works. **Design Phase:** This is the **BEST** time to employ CSI; CSI can accurately map reinforcing for design works **BEFORE** fabricated units are designed.

CSI experience often demonstrates that existing building plans and the As-Built condition don't correlate and/or works often progress based on **INACCURATE ASSUMPTIONS** (for a variety of reasons).

Costs of Approach: During the design phase there is a cost for establishing a plan of typical building elements:

HOWEVER...

This is a cost effective approach as it prevents far more costly inaccuracies and re-design. Time can also be saved on the project in the long run. SUCCESSFUL COMPLETION

STILL A GOOD TIME

Drilling Commences. If drilling is unsuccessful CSI can assist with modifying drilling plan based on assessment of scans.

Costs of Approach: If layout of steel is inaccurate; investment so far is wasted:

- Time delay
- Design requires reworking
- Variations incurred
- Repair of drill sites required

BETTER LATE THAN NEVER!

Applying Fixings: CSI can identify the best locations/parameters to fix. CSI can identify if current fixings not possible.

Costs of Approach: If fixings cannot be applied at all there are significant costs:

- Wasted fabricated units
- Design requires reworking
- Variations incurred
- Cost of expert advisors (e.g. Engineers)
- Client's negative perception of works
- Blowout of costs to client
- Difficulty managing timelines/tenants etc.

www.csiscan.nz

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