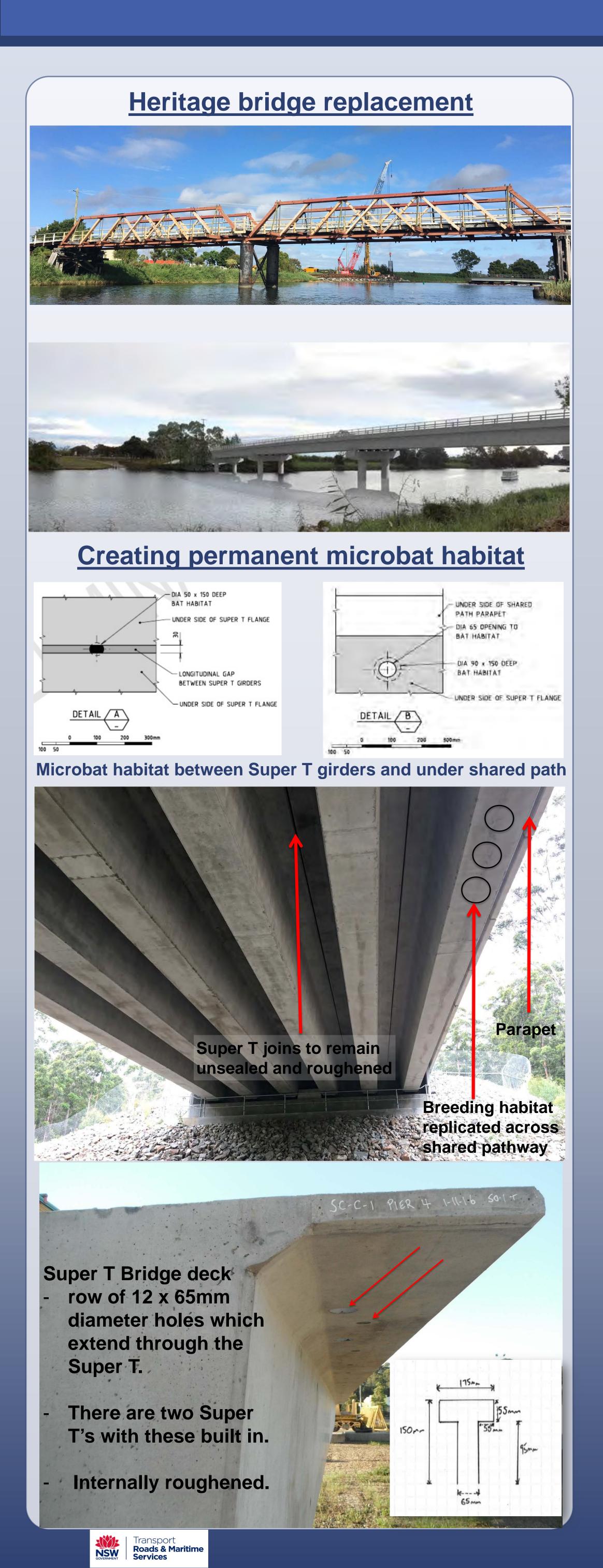
Preliminary monitoring results of threatened microbat mitigation and the latest microbat habitat features in heritage timber truss bridge design Josie Stokes NSW Roads and Maritime Services





Bat caves are very fiddly to make so leave grab holes open!



But they look pretty awesome!





NEVER TRUST A BAT!!!!

Five (5) Myotis found in the roughened parapet before construction finished.

Works had to stop within the vicinity of the bats and they were monitored daily until construction finished.

Use 'Rugasol' in the precast yard to roughen surfaces instead of using a scabbling gun.



Post-construction Monitoring

• Five (5) Myotis in the roughened parapet • Eight (8) Myotis in the breeding habitat under the Super T deck but NOT under the shared pathway -WHY? 90mm vs 50mm diameter? Too exposed???





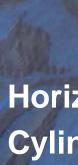




Drill cylindrical 'bat caves' and horizontal habitat into secondary cross girders at same dimensions as TT being replaced.









Transport Roads & Maritime Services

More monitoring needed before celebrating!

Myotis prefer old bridge

Before exclusion of old bridge

Post exclusion

Breeding season (Oct- Feb)

New Heritage Timber Truss Bridge designs

Objective: To replicate breeding habitat in TT Bridges when decking is permanently replaced with Stress Laminated Timber which has no gaps for microbats.



Cylindrical bat cave: 60mm wide X 180mm deep (offset 45° angle)