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SCHOOL OF THE BUILT ENVIRONMENT

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16th May 1990

CONFIDENTIAL

Dear Mr. Peirce,

Re. Low Profile Light Rail system.

It was a pleasure meeting you at the Bristol Conference last Nov. You will remember that I presented a paper outlining a new track system for light railways and street railways operating in public highways. This new system requires much less excavation of the highway structure than tracks using phoenix grooved girder rail and allows a much larger element of mechanisation. Therefore installation should be faster, less disruptive and cheaper than existing systems, providing an opportunity of installing light rail in locations where it would otherwise be uneconomic.

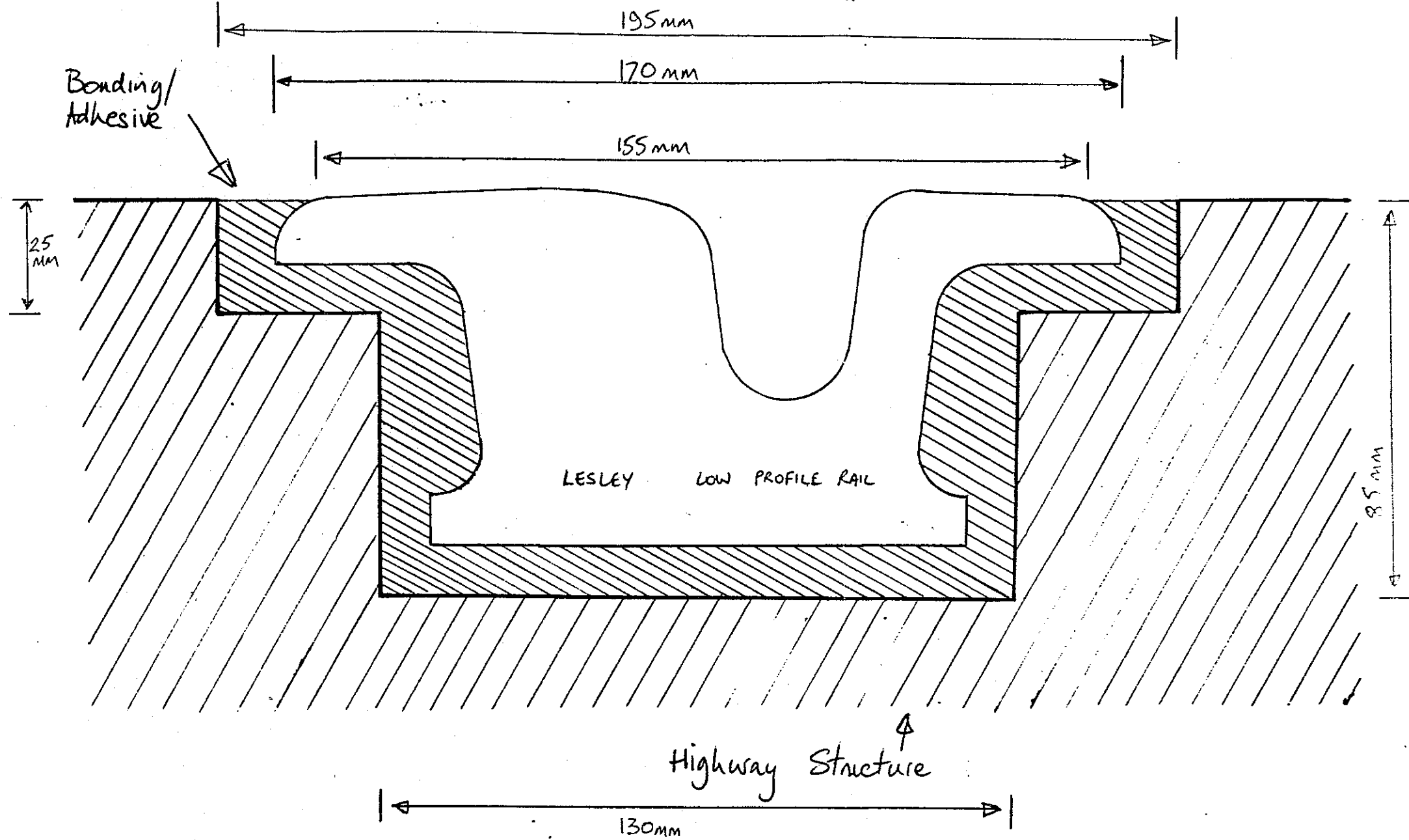
The new system is based on a mushroom shaped rail, fixed by an elastic resinous polymer into a channel cut in the upper surface of highways. A sketch of a version of the rail profile is attached. An application to patent this system has been made. BSC now say they are unable to roll this section with a good enough tolerance for light rail use. Would your company be interested in developing this system? I would be grateful for an early reply and would be pleased to discuss this idea by telephone, or in person.

Thanking you for your attention,

Yours sincerely,

Dr. Lewis Lesley.
Reader in Transport.

PROPOSED METHOD OF AFIXING LOW PROFILE ^{RAIL} INTO HIGHWAY



Patent Applied
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Lewis Lesley
Liverpool Polytechnic