

NATURALLY OCCURRING ASBESTOS ENCAPSULATION

VALUE: \$400K.

WESTERN NSW.

CIVIL CONTRACTOR.

Naturally Occurring Asbestos (NOA) was identified within a layer of placed fill beneath an existing road during construction of a new bypass in regional NSW. During removal of the old pavement, NOA-impacted material was uncovered, with a portion already spread and compacted across sections of the site and additional material stockpiled onsite.

BBN was engaged to assess the extent of NOA impact and develop a management strategy that would allow works to continue safely and compliantly, while minimising environmental and commercial impacts.

PROJECT CONSIDERATIONS

- » The extent and distribution of NOA-impacted material across disturbed and stockpiled areas
- » Confirming total material volumes could be safely accommodated within the designated encapsulation zone
- » Sensitive nearby receptors requiring 24-hour air monitoring
- » Managing asbestos-related works within an active, large-scale construction environment alongside other concurrent activities

OUR APPROACH

BBN undertook targeted investigations to delineate NOA-impacted material and confirm volumes, and developed an Asbestos Management Plan to support safe consolidation and onsite encapsulation. Continuous air monitoring was implemented throughout works, with asbestos management integrated into the broader construction program.

VALUED DELIVERED

BBN Consulting enabled all NOA-impacted material to be safely consolidated and encapsulated onsite, avoiding offsite landfill disposal and an estimated \$4 million in disposal costs. Continuous 24-hour air monitoring recorded zero exceedances, ensuring protection of workers and nearby receptors while maintaining compliance.

