



KANSAS AVENUE BRIDGE REPAIR

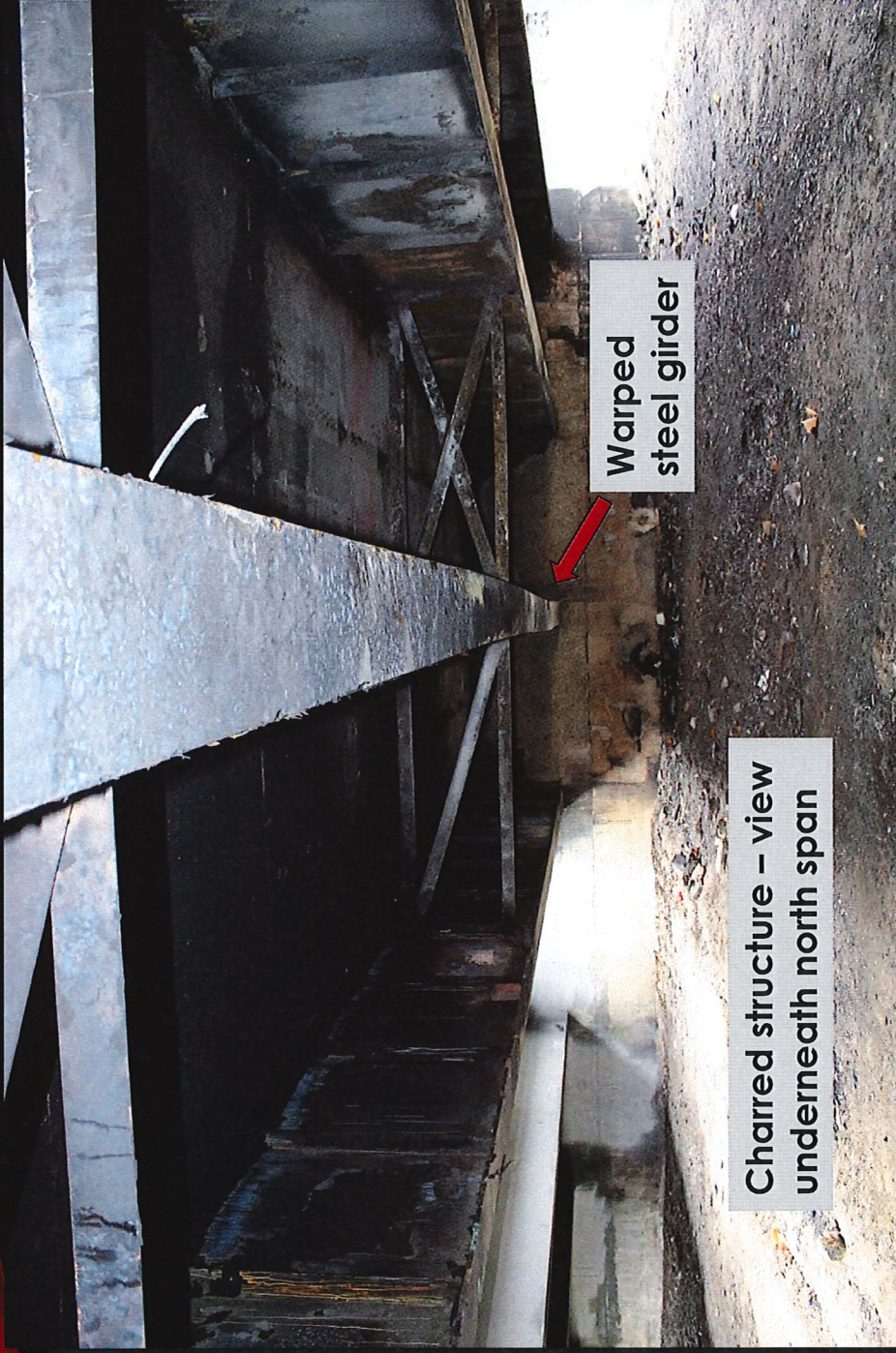
A presentation about the costs to repair damaged caused
by the December 10th bridge fire at the north end of the northbound lanes

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View looking west at
northbound lanes – area
damaged by fire

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Charred structure – view
underneath north span

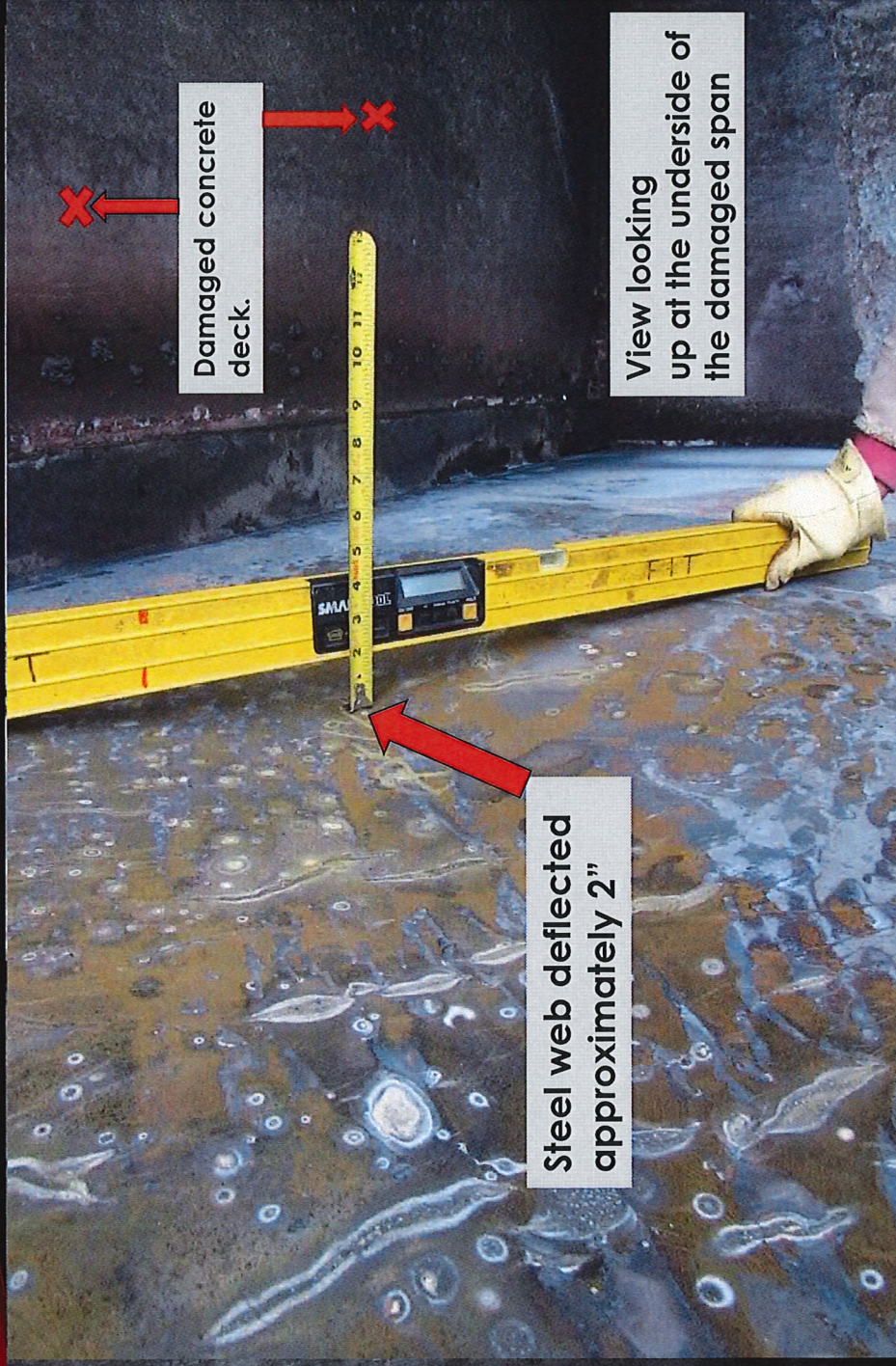
Warped
steel girder

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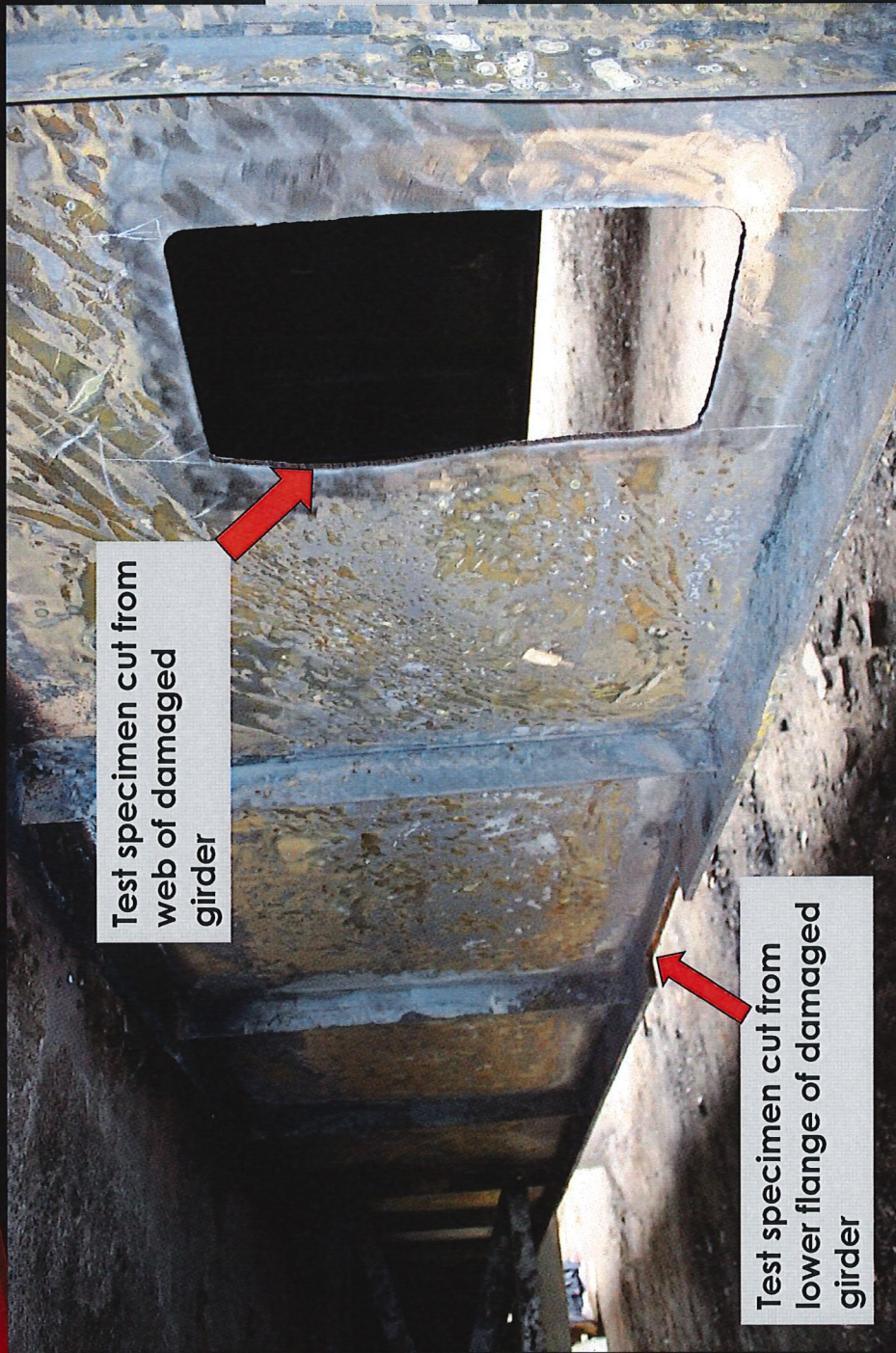


Close up of warped
steel girder

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Test specimen cut from
web of damaged
girder

Test specimen cut from
lower flange of damaged
girder

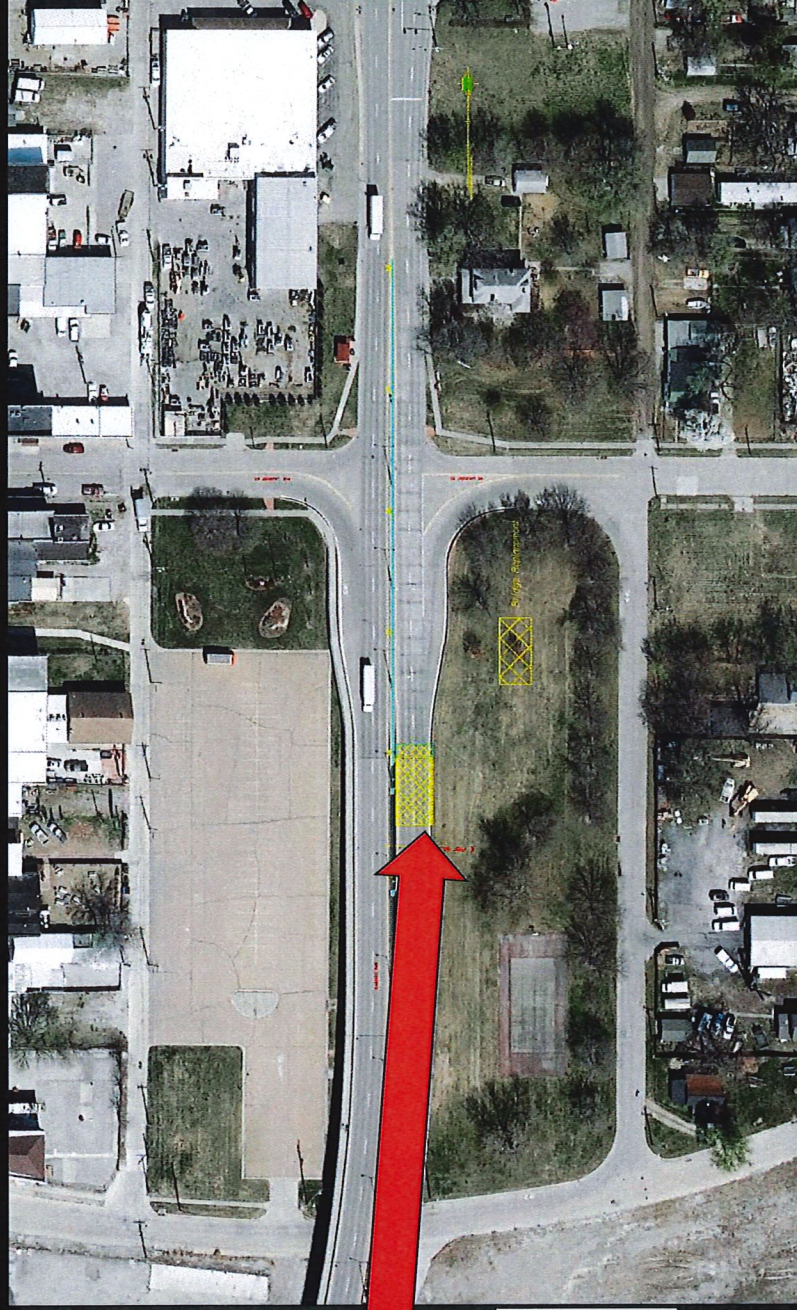
Test specimens
failed at
approximately
half the original
strength.

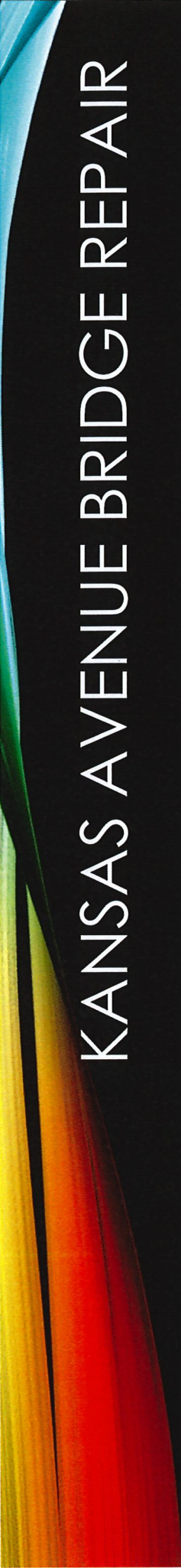
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Repair:

Replacement area of
the bridge

Replacement includes
removal/replacement of
the steel girders and concrete
deck

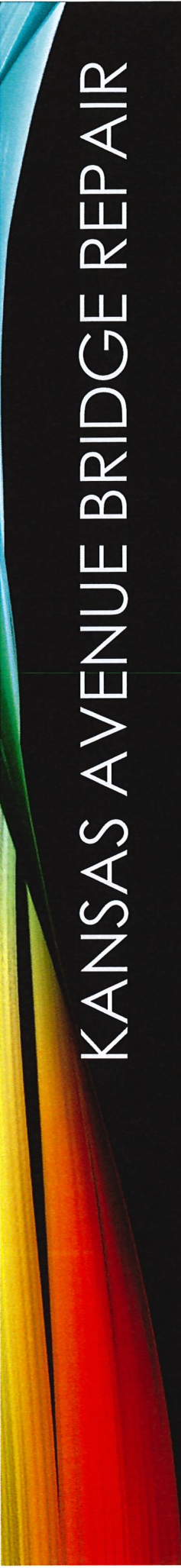




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Costs for Repair of the KS Ave Bridge:

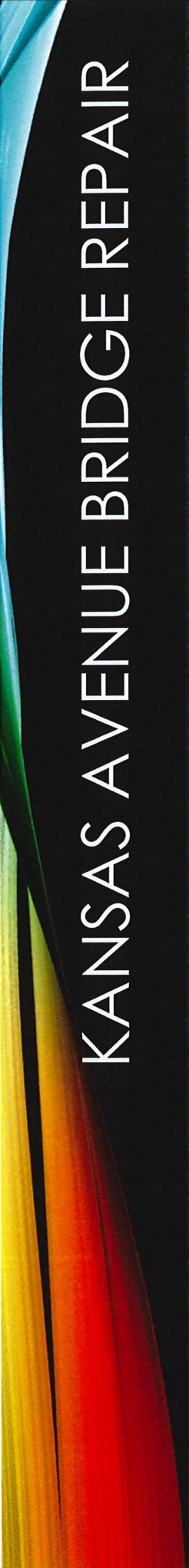
• Investigation of remaining strength (including material testing):	\$7000
• Design (removal and replacement of damaged section):	\$36,000
• Steel girder fabrication inspection:	\$6000
• Field construction observation (removal and reconstruction):	\$56,000
• Traffic Control (<i>estimate</i>):	\$75,000
• Construction Cost (<i>estimate</i>):	\$550,000
• Total Cost (<i>estimate</i>):	\$730,000



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Tentative timing for reopening of the northbound structure:

- Southbound lanes were switched to 2-way traffic on February 8th.
- Plans ready for bidding: April 1st
- Bid opening: May 1st
- Contracts/Notice to Proceed: June
- Construction Complete: October – November 2019 (4 – 5 months for construction)



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Questions?