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# Warranty vs. Non-Warranty Road Construction

Bailey P. Francis

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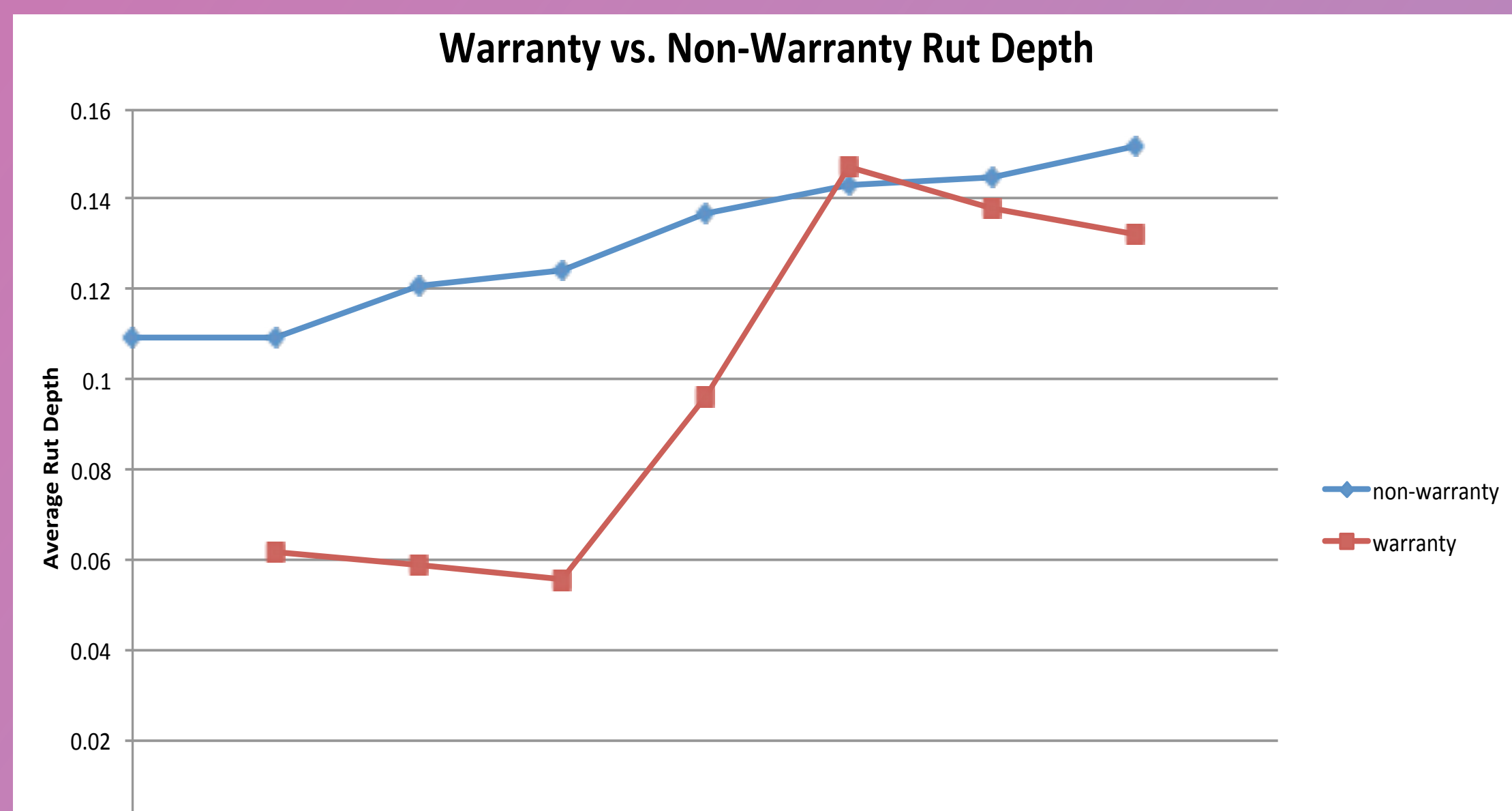
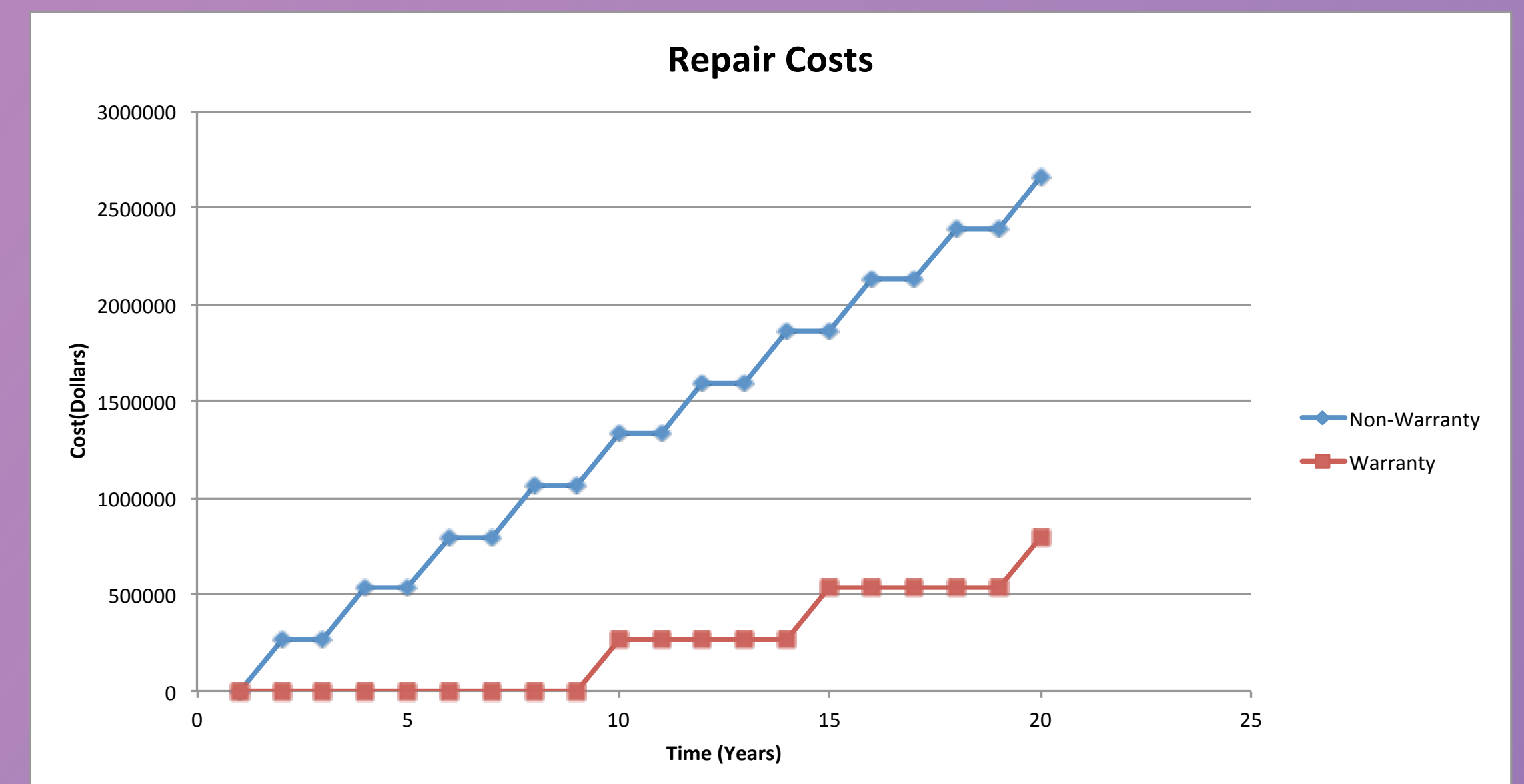
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# Warranty vs. Non-Warranty Road Construction

We created a project that showed which would end up cheaper in twenty years. That way they can choose the cheaper option and save money in the end. It turned out that the warranty ended up cheaper than the Non-Warranty. The initial cost for the Warranty was \$1,032,877 and the warranty last for 5 years. The Non-Warranty's initial cost is \$774,571. You have to repair the road once it hits a certain depth where tires travel on the road which is 0.14 inches. For each time they repair the road the cost is \$265,802. The Non-Warranty you have to repair about every four years, and the Warranty about every five years you have to repair it. The first time they repair the road for the warranty they do not have to pay for it.

This graph shows what the cost is throughout the years. This will also show which one will end up being cheaper. With just the repair cost.



This graph shows how the rut depths change over the years. It also shows when they need to repair the road

This graph shows the warranty vs. non-warranty in the end. That includes the repair and initial cost all together.

