Mayor Byron W. Brown's Civic Innovation CHALLENGE

BUILDING TOGETHER | POWERED BY AT&T

REVERSE PITCH

DEPARTMENT OF PUBLIC WORKS, PARKS & STREETS ENGINEERING DIVISION

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PROJECT: STREET RATINGS

CHALLENGE

Approximately every 18 months, engineers from the Engineering Division drive and inspect every street in the City of Buffalo and issue a score based on the condition of the road surface. Those scores are then placed on a City map and used by our Paving Office to determine which streets meet the City's criteria for a mill and overlay which we develop into a proposed paving list for the upcoming construction season.

Currently, this is an entirely handwritten, paper-based process. All results are recorded by hand on a paper map.

OPPORTUNITY

A mobile app would better facilitate inspections and street pavement ratings. The proposed app would be an electronic map of the City would allow the engineer scoring the road simply clicks on the street segment that is being scored. This action then opens a writable menu that the user can insert the appropriate pavement score. Please note that each segment of each street will need an individual rating as the pavement score may differ block to block for a particular road. Scoring each street segment will ensure the information being input into the database is most accurate.

Contestants can use the Roads dataset on the City's open data portal to inform the development of their app.

Additional functionality would be to incorporate a way to filter by street score and council district (data layer available on open data portal).

The app will be used by our construction and operations engineers. Android tablets are available for their use.

VALUE PROPOSITION

The road scores will be clear and searchable through the development of the app, which would provide the City with the most accurate information when developing our paving program to ensure efficient and equitable resource allocation.

For additional documentation regarding pitches and contest details, visit: buffaloinnovates.com

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