

URBAN TOLLING IMPLEMENTATION

AS A SOLUTION TO CONGESTION PROBLEMS IN LARGE UNDERDEVELOPED CITIES AND AS A MEANS TO ESTABLISH RESOURCES FOR NEW (OR THE UPGRADE OF CURRENT) INFRASTRUCTURE, TO EASE TRAFFIC CONGESTION

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URBAN TOLLING

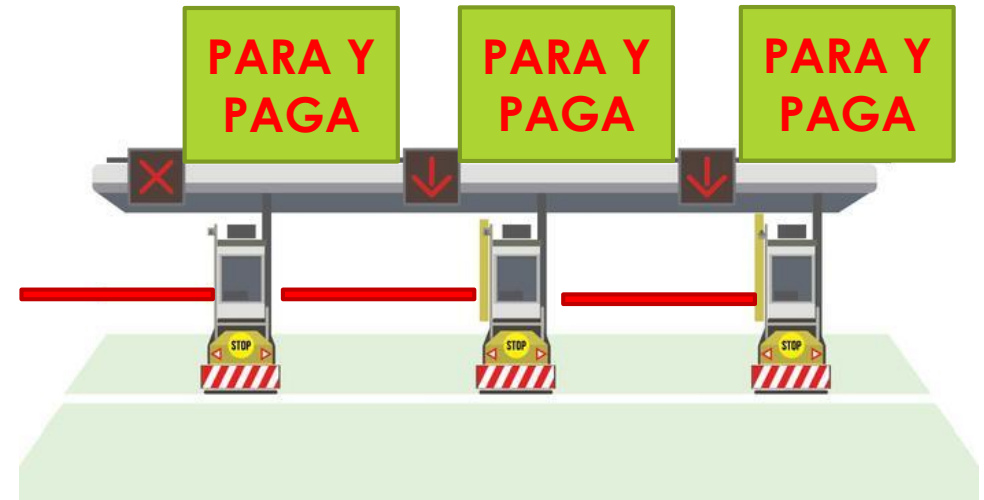
- ▶ INTRO
- ▶ MODELLING (ANALYSING THE NEEDS – OBTAINING RESULTS)
- ▶ URBAN TOLLING – THE GOOD THE BAD AND THE UGLY
- ▶ BASICS ON THE EXECUTION AND IMPLEMENTATION OF UTS PROJECTS (WHO'S MAINTAINING THIS NOW?)
- ▶ HOW CAN WE CHARGE? HOW CAN WE ADVERTISE A ROAD?

Automatic tolling faster - BETTER



Urban Tolling is not a new concept, it's been around for centuries in many forms and in the way we know it today it's been around for over 100 years, off course,

the rapid movement of technology brings ETC and spreads this service to a wider range of customers and "facilitators" of such systems to new and existing roads.

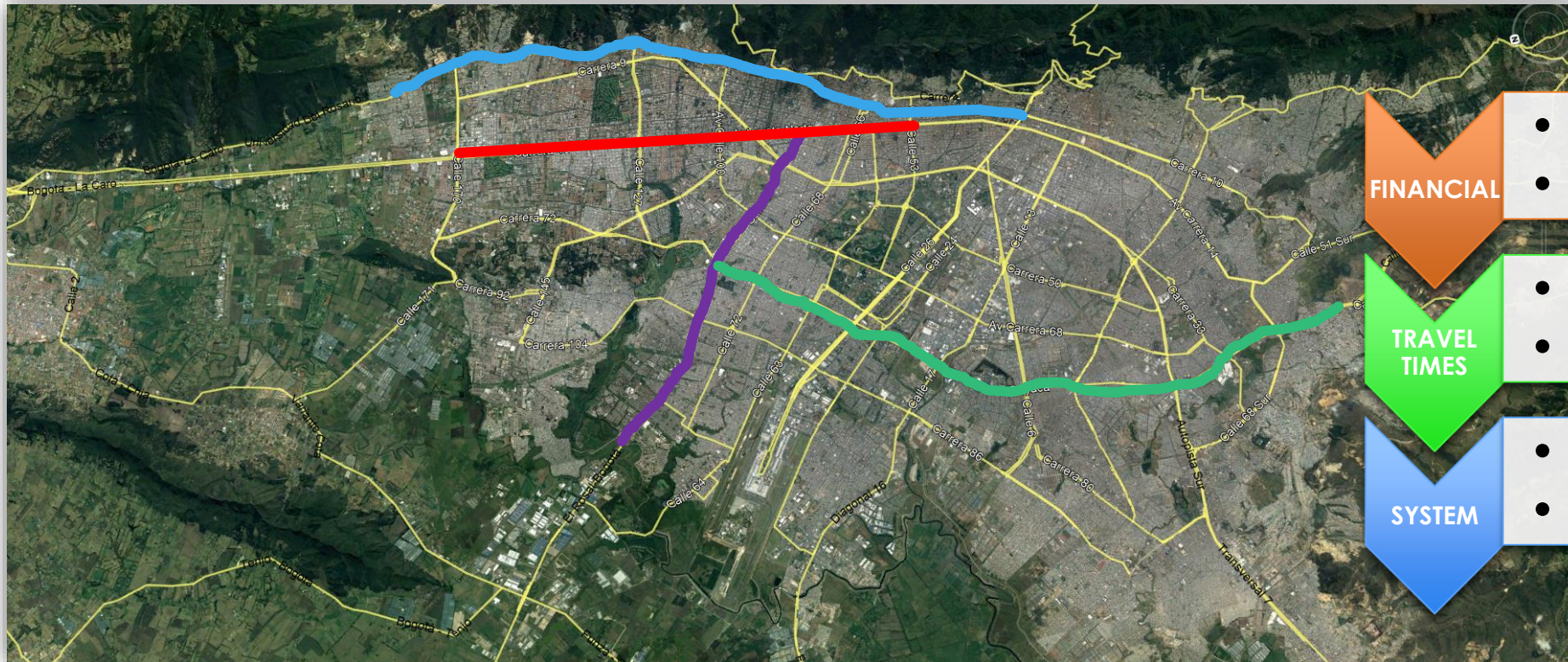


Automatic tolling faster - BETTER



- QUALITY OF LIFE
- BETTER INFRASTRUCTURE
- LESS POLLUTION
- ECONOMIC GROWTH
- HAPPY CUSTOMERS

MODELLING (ANALYSING THE NEEDS – OBTAINING RESULTS)



FINANCIAL

- BUDGET
- REVENUE / \$ RETURNS

TRAVEL
TIMES

- REDUCTION OF TT
- FORECASTING

SYSTEM

- MAINTENANCE
- CHARGING METHOD

MODELLING (ANALYSING THE NEEDS – OBTAINING RESULTS)



route



- exits
- road length
- type of tolling

economic

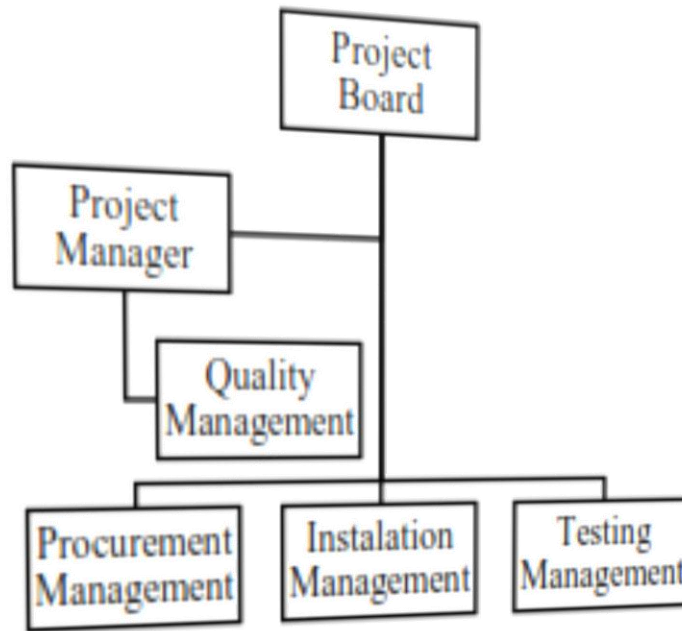


- user benefits
- revenue
- operation

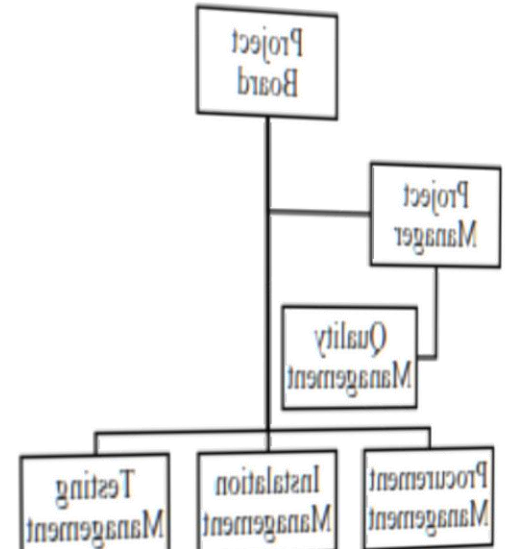
Implementation



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