PROCESS MAP OF GUARDRAIL MAINTENANCE

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Process map columns (swimlanes):
- Planning & Programming
- Design
- Contract Development
- Construction
- Operation & Maintenance

Row lanes:
- Iowa DOT
  - Office of Design
  - Office of Contracts
  - Exchange Requirement
  - Office of Construction and Materials
  - Maintenance Shop
- Out-sourcing
  - Contractor
- Storage
  - Database

Process elements and labels:

- Guardrail Redesign
- Cost Estimating
- Bidding
- Contract Development
- Project Progress Tracking
- No link
- Guardrail Repair/ replacement
- START
- Inventory & Inspection
- Repair/ Replacement Need Evaluation
- Typical?
- No
- Yes
- Guardrail Repair/ Replacement
- ER.G.201
- ER.G.101
- ER.G.102
- ER.G.103???
- MicroStation Files Excel Spreadsheets
- As-designed plans-PDFs tabluations
- As-built plans-PDFs
- submission
- approval
- PDFs??
- Plans-PDFs Tabulation spreadsheet
- Field records -PDFs-
- Google Earth & Roadview
- Projectwise
- ERMS
- Fieldbook - PDFs
- System???