Asset Management
Anna Smith
Question:
What is the common factor?

Asset Management

Operations Management
Answer:

ASSET INFORMATION
DIFFERENT PERSPECTIVES

At an operational level, current maintenance is a main focus

- Location
- Quantity
- Material/s
- Replacement cost estimate
- Condition

At an asset management level, future maintenance is a main focus

- Location
- Quantity
- Material/s
- Replacement cost estimate
- Condition
- Installation date
- Expected life cycle
- Risk of failure
- Traffic volumes
KEY ISSUES

• Are asset information needs understood by all parties?

• How is information shared/managed?

• What are the quality control processes surrounding data?
Asset Information

- Knowing your network
- Accountability- Justifying network decisions
- Accountability- Tracking network decisions
Sharing information

• Communication is paramount

• Supported by technology

• Central points of access for information
### Sharing information

<table>
<thead>
<tr>
<th>Data</th>
<th>Road Name</th>
<th>Displacement</th>
<th>Distance</th>
<th>Note</th>
<th>Status</th>
<th>Length</th>
<th>Elevation</th>
<th>Survey</th>
<th>Notes</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data 1</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 2</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 3</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 4</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 5</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 6</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 7</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 8</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 9</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
<tr>
<td>Data 10</td>
<td>Road Name</td>
<td>Displacement</td>
<td>Distance</td>
<td>Note</td>
<td>Status</td>
<td>Length</td>
<td>Elevation</td>
<td>Survey</td>
<td>Notes</td>
<td>Remarks</td>
</tr>
</tbody>
</table>

© Downer Group Limited All rights reserved
Sharing information
Sharing information
## Central points of access

### Tararua District Council Maintenance Alliance Portal

<table>
<thead>
<tr>
<th>Planning</th>
<th>Delivery</th>
<th>Performance</th>
<th>Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup Documents</td>
<td>Financial Documents</td>
<td>Performance Documents</td>
<td>Monthly Timetable</td>
</tr>
<tr>
<td>AWPIT Documents</td>
<td>Subcontractors</td>
<td>Compliments/Complaints Register</td>
<td>Current Project Coding</td>
</tr>
<tr>
<td>Forward Works</td>
<td>Work Orders</td>
<td>Innovation/Achievements Register</td>
<td>Salary Vehicle Meter Readings</td>
</tr>
<tr>
<td>Reference Material</td>
<td></td>
<td>Rework Register</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Risk Register</td>
<td></td>
</tr>
</tbody>
</table>

**CT32-14 Alliance Contract**

**Scope:** Transport and Stormwater Corridor Network Maintenance Alliance between Tararua District Council and Downer New Zealand, including proactive identification of faults in the transport and stormwater corridor and optimal programming of remedial works to be delivered using a full delivery alliance type model.

**Locations:** Tararua District

- **Network Size:**
  - Total Length: 1957.548 km
  - Sealed Length: 1184.70 km
  - Unsealed Length: 772.788 km
  - Rural Length: 1872.632 km
  - Urban Length: 84.926 km

- **Client:** Tararua District Council
Central points of access
Quality Control

- Information accessibility for purpose
- Audits
- Data standards
- Key performance indicators (KPI’s)
- Documentation
Question:

What is the common factor?