Worksheet - 25320 (v2) Demonstrate knowledge of the civil infrastructure industry within a BCATS environment

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| **Student name:** |

1. Provide 3 examples of the type of work a civil infrastructure worker would carry out for each of the 3 major sectors.

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| **Sector** | **Examples of the type of infrastructure work carried out for that sector** |
| 1. Private | 1.2.3. |
| 2. Central | 1.2.3. |
| 3. Local Government | 1.2.3. |

1. For each of the processes in the table below:
	1. Briefly describe what happens within each work process.
	2. Give a reason for the process.

| **Process name** | **Description of the process** | **The reason for the process** |
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| Demolition |  |  |
| Site clearing |  |  |
| Earthworks |  |  |
| Site preparation |  |  |
| Erection and construction of structures |  |  |
| Road construction |  |  |
| Road maintenance |  |  |
| Bitumen surfacing |  |  |
| Culverts and drainage |  |  |
| Trenching |  |  |
| Kerb and channel |  |  |
| Roadmarking |  |  |

1. Complete the correct infrastructure client description for each of the following sentences
	1. The New Zealand Transport Agency **directly asks a company** to complete some work. That company is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the New Zealand Transport Agency.
	2. A pipelayer is asked to help out on a project by a company who are already working for the New Zealand Transport Agency. What type of contractor is that pipelayer called?

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1. Name a trade that can work in both infrastrucure and in other sectors.

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1. In the following table, name the correct industry body from the description.
* NZ Transport Agency.
* Standards NZ.
* Local and Territorial Authorities.
* WorkSafe New Zealand.

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| Which body will investigates workplace accidents? |  |
| Which body is responsible for land transport safety, new state highways and the maintenance of highways? |  |
| This body produces national documents that contain information such as specifications, dimensions, tolerances, materials that have to be used, and processes that need to be followed.  | exercise sidebar |
| This body contains City Councils, District Councils, Regional Councils. |  |

**[Questions continue on following page.]**

1. Name 4 job roles within the infrastructure industry.

For **each job** role you have named:

1. Name the other members likely to be in the team.
2. Explain the career path a person with that job role could follow.
3. Describe the type of training or qualification a person in each job role would need to move on in their career.

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| **Job role** |  |
| 1. | **Other team members****Career path****Training and qualifications** |
| 2. | **Other team members****Career path****Training and qualifications** |
| 3. | **Other team members****Career path****Training and qualifications** |
| 4. | **Other team members****Career path****Training and qualifications** |

1. Name **one** national association that companies in the infrastructure industry may belong to.

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1. Name one trade association and one professional association that people working in the civil infrastructure industry may belong to.

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Assessor Sign off:

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| Assessor name: Assessor signature: Date:   | RESULT: A = Achieved, N = Not Yet Achieved |