##### For Type 1, 2 and 3 projects

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| --- | --- | --- |
| Project name: | Inspected By: | Date: |
| Project number: | Inspected By: | Date: |
| Location: | Inspected By: | Date: |
| Region: | Inspected By: | Date: |
| **Project Stage:** 🞎 Strategic 🞎 Concept 🞎 Business Case 🞎 Preliminary design 🞎 Detail Design  |
| **Project Type:** 🞎 Type1 🞎 Type 2 🞎 Type 3  |

| Ref  | Item/Activity | Project impact potential | Comment |
| --- | --- | --- | --- |
|  |  | Certain | Likely | Rare |  |
| 1100 | CONTRACTORS SITE FACILITIES AND CONTRACTORS CAMP |  |  |  |  |
|  | Location of site accommodation |  |  |  |  |
|  | Common services |  |  |  |  |
| 1200 | PROVISION FOR TRAFFIC |  |  |  |  |
|  | Level of traffic management required? |  |  |  |  |
|  | Does traffic diversions required? (Traffic switches) |  |  |  |  |
|  | Is temporary work such as side tracks, formation/pavement widening, line marking, barriers required/ |  |  |  |  |
|  | Existing signs and line marking to be removed |  |  |  |  |
|  | Temporary signing, line marking, traffic barriers, VMSs |  |  |  |  |
|  | Traffic controllers & Accessories |  |  |  |  |
|  | Road closure requirements |  |  |  |  |
|  | Restrictions on working time and location access |  |  |  |  |
| 1300 | ENVIRONMENT |  |  |  |  |
|  | Length of silt fences, number of wheel washes, rock quantity of check dams and so on |  |  |  |  |
|  | Potential for site located on contaminated soils? |  |  |  |  |
|  | Hazardous materials (for example asbestos, cement, lime and so on) |  |  |  |  |
|  | Flora & fauna considerations |  |  |  |  |
|  | Marine/Estuarine habitat considerations |  |  |  |  |
|  | Noise amélioration (Noise barriers etc.) |  |  |  |  |
|  | Cultural heritage requirements/zones |  |  |  |  |
|  | Water, Air quality and Vibration |  |  |  |  |
|  | Presence of Red imported fire ants, restrictions on machine operations, dust control measures |  |  |  |  |
|  | Waterway classification and need for development approval to commence work. |  |  |  |  |
| 2000 | DRAINAGE, RETAINING STRUCTURES AND PROTECTIVE TREATMENTS |  |  |  |  |
|  | Number of headwalls, their sizes, number of pipes, wing walls and aprons which need raising demolishing or replacing |  |  |  |  |
|  | Coffer dams, dewatering, rock pitching, retaining walls, gabion walls, concrete paving and backfills |  |  |  |  |
|  | Table drains, lined drains, catch drains |  |  |  |  |
|  | Sub surface drainage such as sub soil drains  |  |  |  |  |
|  | Kerb and channel, concrete gullies and chambers |  |  |  |  |
|  | Type of culvert structure eg. Box culvert, concrete pipe culvert, steel pipe culvert, etc.  |  |  |  |  |
|  | Cultural heritage requirements, river/water way classifications, special access requirements, restrictions on machine operations, asbestos and red lead paint,  |  |  |  |  |
|  | Retaining wall heights |  |  |  |  |
| 3100 | EARTHWORKS(CLEARING) |  |  |  |  |
|  | Clearing limits, vegetation density and constraints  |  |  |  |  |
|  | Construction methodology and machinery types |  |  |  |  |
|  | Stripping topsoil, stockpile and spreading  |  |  |  |  |
|  | Cultural heritage and environmental clearances required, restrictions on native plants |  |  |  |  |
|  | Availability of disposing sites and distance from site |  |  |  |  |
| 3200 | EARTHWORKS (Excavations) |  |  |  |  |
|  | Borrow, spoil areas, disposal fees and any treatments for disposal |  |  |  |  |
|  | Construction methodology and machinery |  |  |  |  |
|  | Non-rippable quantities and machinery |  |  |  |  |
|  | Unsuitable material to be removed and replaced  |  |  |  |  |
|  | Embankment fill quantities from relevant sources  |  |  |  |  |
|  | Sub grade treatment types and quantities and backfilling quantities |  |  |  |  |
|  | Availability of disposing sites and distance from site |  |  |  |  |
|  | Turnouts, private properties, stopping places and overtaking lanes |  |  |  |  |
|  | Cultural heritage & environmental clearances, red fire ants, hard rock excavations, stepping requirements  |  |  |  |  |
|  | Possible contaminated soil  |  |  |  |  |
| 3300-3800 | EARTHWORKS (Embankments, subgrade & back fills) |  |  |  |  |
|  | Height of fill, access, material availability, moving traffic, water sources,  |  |  |  |  |
|  | Restrictions of equipment usage (possibility of using vibrating rollers, availability of sufficient work space) |  |  |  |  |
|  | Stockpile sites |  |  |  |  |
| 3800 | LANDSCAPE WORKS |  |  |  |  |
|  | Fencing and vegetation |  |  |  |  |
|  | Water sources, special maintenance requirements  |  |  |  |  |
|  | Sediment controls |  |  |  |  |
| 4100 | UNBOUND PAVEMENTS |  |  |  |  |
|  | Materials supply, availability & quality, haul distances |  |  |  |  |
|  | Stockpile sites |  |  |  |  |
|  | Water sources, condition of existing pavement |  |  |  |  |
| 5100 | SPRAYED BITUMINOUS SURFACING  |  |  |  |  |
|  | Construction of stockpile sites and aggregate sizes, haul distance |  |  |  |  |
|  | nearby special features need protecting against bitumen spraying |  |  |  |  |
| 5150 | GEOTEXTILES |  |  |  |  |
|  | Material availability and hauling distance, |  |  |  |  |
| 5400-5500 | ASPHALT PAVEMENTS |  |  |  |  |
|  | Preparation works, pavement condition and repairs, corrector course and profiling |  |  |  |  |
|  | Disposal hauling distances and tip fees, stock pile pads |  |  |  |  |
| 6100 | ROAD FURNITURE |  |  |  |  |
|  | Removal/replace of road furniture |  |  |  |  |
|  | Install road furniture / guardrails  |  |  |  |  |
|  | Roadside structures |  |  |  |  |
|  | Condition of existing roadside structures (height of guardrail after the new alignment to see whether they are up to current standard) |  |  |  |  |
| 6200 | NOISE FENCE |  |  |  |  |
|  | Condition of existing noise fence, height, access and moving traffic |  |  |  |  |
| 6300 | PAVEMENT MARKING |  |  |  |  |
|  | Removal of existing lines |  |  |  |  |
|  | Temporary line markings and spotting |  |  |  |  |
| 6500-6600 | TRAFFIC SIGNALS |  |  |  |  |
|  | Existing traffic signals to be removed |  |  |  |  |
|  | Install new traffic signals |  |  |  |  |
| 6700 |  ROAD LIGHTINGS |  |  |  |  |
|  | Existing lighting to be removed |  |  |  |  |
|  | Install new road lighting  |  |  |  |  |
|  | Required tree cutting and any other obstacle removal |  |  |  |  |
| 7000 & 8000 | BRIDGE SUBSTRUCTURE |  |  |  |  |
|  | Access roads and hard stand areas |  |  |  |  |
|  | Foundation types and obstruction for such as old bridge structures, rocks, fallen trees and so on |  |  |  |  |
|  | Relocation of services such as telecom, water, power and so on |  |  |  |  |
|  | Foundation types and temporary works such as coffer dams, shoring, stream diversion, dewatering and so on |  |  |  |  |
|  | Exposure to flooding |  |  |  |  |
|  | Cultural heritage requirements, river/water way classifications, special access requirements, restrictions on machine operations, asbestos and red lead paint, |  |  |  |  |
|  | Overhead power lines, which will restrict heavy vehicle operations.  |  |  |  |  |
|  | Storage yard availability, locations to set up the cranes. |  |  |  |  |
|  | Constraints for girder, beams, piles, transporting and erecting  |  |  |  |  |
|  | side track/detour requirements |  |  |  |  |
|  | staging requirements during construction |  |  |  |  |
|  | stockpile/storage facilities |  |  |  |  |
|  | restrictions for crane operations |  |  |  |  |
| 11000 | PROJECT MANAGEMENT |  |  |  |  |
|  | Project office and on-site staff |  |  |  |  |
|  | Possession of site |  |  |  |  |
|  | Separable portions |  |  |  |  |
|  | Exposure to wet weather |  |  |  |  |
|  | Community consultation |  |  |  |  |
|  | Workplace relations |  |  |  |  |
| 11100 | SAFETY |  |  |  |  |
|  | Safety of workers/ pedestrians and general public |  |  |  |  |
|  | Potential hazards and mitigations |  |  |  |  |
| 16000 | PUBLIC UTILITY SERVICES |  |  |  |  |
|  | Alterations to telecommunications/ water/ gas / sewerage/ and local services required? |  |  |  |  |
|  | Asbestos presence |  |  |  |  |