For PAF Type 1, 2 and 3 projects

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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:** | Type 1 | | | Type 2 | | Type 3 | | |

| MRS Ref | Item/Activity | Project Impact potential | | | Comment |
| --- | --- | --- | --- | --- | --- |
|  | | **Certain** | **Likely** | **Rare** |  |
| 20100 | CONTRACTORS SITE FACILITIES AND CONTRACTORS CAMP |  |  |  |  |
|  | Location of site accommodation |  |  |  |  |
|  | Common services |  |  |  |  |
| **20000** | **PROVISION FOR TRAFFIC** |  |  |  |  |
|  | Level of traffic management required? |  |  |  |  |
|  | Are 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 and accessories |  |  |  |  |
|  | Road closure requirements |  |  |  |  |
|  | Restrictions on working time and location access |  |  |  |  |
| **20200** | **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 and fauna considerations |  |  |  |  |
|  | Marine / estuarine habitat considerations |  |  |  |  |
|  | Noise amelioration (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 |  |  |  |  |
| **30000 - 30900** | **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 e.g. 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 |  |  |  |  |
| **32000** | **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 |  |  |  |  |
| **32100 - 32200** | **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 and environmental clearances, red fire ants, hard rock excavations, stepping requirements |  |  |  |  |
|  | Possible contaminated soil |  |  |  |  |
| **32300 - 32400** | **EARTHWORKS (Embankments, subgrade and 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 |  |  |  |  |
| **50600 - 51000** | **LANDSCAPE WORKS** |  |  |  |  |
|  | Fencing and vegetation |  |  |  |  |
|  | Water sources, special maintenance requirements |  |  |  |  |
|  | Sediment controls |  |  |  |  |
| **40000** | **UNBOUND PAVEMENTS** |  |  |  |  |
|  | Materials supply, availability and quality, haul distances |  |  |  |  |
|  | Stockpile sites |  |  |  |  |
|  | Water sources, condition of existing pavement |  |  |  |  |
| **40700** | **SPRAYED BITUMINOUS SURFACING** |  |  |  |  |
|  | Construction of stockpile sites and aggregate sizes, haul distance |  |  |  |  |
|  | Nearby special features need protecting against bitumen spraying |  |  |  |  |
| **43400** | **GEOTEXTILES** |  |  |  |  |
|  | Material availability and hauling distance |  |  |  |  |
| **41700 - 41900** | **ASPHALT PAVEMENTS** |  |  |  |  |
|  | Preparation works, pavement condition and repairs, corrector course and profiling |  |  |  |  |
|  | Disposal hauling distances and tip fees, stock pile pads |  |  |  |  |
| **50000 - 50100** | **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) |  |  |  |  |
| **50500** | **NOISE FENCE** |  |  |  |  |
|  | Condition of existing noise fence, height, access and moving traffic |  |  |  |  |
| **52100 - 52200** | **ROAD SURFACE DELINEATION** |  |  |  |  |
|  | Removal of existing lines |  |  |  |  |
|  | Temporary line markings and spotting |  |  |  |  |
| **60400 - 60600** | **TRAFFIC SIGNALS** |  |  |  |  |
|  | Existing traffic signals to be removed |  |  |  |  |
|  | Install new traffic signals |  |  |  |  |
| **60700** | **ROAD LIGHTINGS** |  |  |  |  |
|  | Existing lighting to be removed |  |  |  |  |
|  | Install new road lighting |  |  |  |  |
|  | Required tree cutting and any other obstacle removal |  |  |  |  |
| **70300** | **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 |  |  |  |  |
| **15000** | **PROJECT MANAGEMENT** |  |  |  |  |
|  | Project office and on-site staff |  |  |  |  |
|  | Possession of site |  |  |  |  |
|  | Separable portions |  |  |  |  |
|  | Exposure to wet weather |  |  |  |  |
|  | Community consultation |  |  |  |  |
|  | Workplace relations |  |  |  |  |
|  | Safety of workers / pedestrians and general public |  |  |  |  |
|  | Potential hazards and mitigations |  |  |  |  |
| **18000** | **PUBLIC UTILITY SERVICES** |  |  |  |  |
|  | Alterations to telecommunications / water/ gas / sewerage / and local services required? |  |  |  |  |
|  | Asbestos presence |  |  |  |  |