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MINISTER FOR THE ENVIRONMENT

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED (PURSUANT TO THE PROVISIONS OF THE ENVIRONMENTAL PROTECTION ACT 1986)

ROUTE ALIGNMENT FOR PERTH TO DARWIN NATIONAL HIGHWAY & FAST TRANSIT ROUTE, AND EXCISION OF LAND FROM STATE FOREST NO. 65 & PRIORITY 1 SOURCE PROTECTION AREA FOR URBAN DEVELOPMENT (870)

MAIN ROADS WESTERN AUSTRALIA & ELLENBROOK MANAGEMENT PTY LTD

Only the option for this proposal described as the "preferred route" in Environmental Protection Authority Bulletin 753 may be implemented, subject to the following conditions:

1 Proponent Commitments

The proponent has made a number of environmental management commitments in order to protect the environment.

1-1 In implementing the proposal, the proponent shall fulfil the commitments made in the Public Environmental Review and in response to issues raised following public submissions, provided that the commitments are not inconsistent with the conditions or procedures contained in this statement. These commitments are consolidated in Environmental Protection Authority Bulletin 753 as Appendix 6. (A copy of the commitments is attached.)

2 Implementation

Changes to the proposal which are not substantial may be carried out with the approval of the Minister for the Environment.

2-1 Subject to these conditions, the manner of detailed implementation of the proposal shall conform in substance with that set out in any designs, specifications, plans or other technical material submitted by the proponent to the Environmental Protection Authority with the proposal. Where, in the course of that detailed implementation, the proponent seeks to change those designs, specifications, plans or other technical material in any way that the Minister for the Environment determines on the advice of the Environmental Protection Authority, is not substantial, those changes may be effected.

3 Risk Assessment

Information concerning the risk of contamination of groundwater resources, the Swan River, wetlands and other areas, arising from acute impacts and cumulative impacts, is required to provide the basis for a management plan.

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- 3-1 Prior to commencement of construction of the road between Reid Highway and Maralla Road, the proponent shall undertake a risk assessment study for both episodic spillages of pollutants (large discrete events), and cumulative impacts of long term road use (eg. hydrocarbons) to provide the basis for environmental management. The study shall include, but not be limited to the following:
 - (1) risk assessment primarily for contamination of Priority 1 and 2 groundwater areas and the Lexia wetlands, but also having regard for implications for other wetlands, Ellen Brook and the Swan River;
 - (2) road drainage issues; and
 - (3) impacts on water quality from existing and proposed Water Authority bores in the vicinity of the highway.
- 3-2 Subject to the results of the risk assessment study required by condition 3-1, the proponent shall prepare a management strategy for both acute spillages of pollutants and cumulative impacts, to the requirements of the Environmental Protection Authority on advice of the Water Authority of Western Australia.
- 3-3 The proponent shall implement the management strategy required by condition 3-2.

4 Important Groundwater Areas

The reservation and development of the Perth-Darwin National Highway alignment ("preferred route"), the public transport route, and the excision of land from State Forest No. 65 for urban development, and land in Whiteman Park proposed for rural development, within the Gnangara Mound Crown Land Policy Area and the Priority 1 Source Protection Area of the Mirrabooka Underground Water Pollution Control Area, may proceed in certain circumstances.

- 4-1 Prior to commencement of construction of the road, and prior to subdivision of land proposed to be zoned "urban" in the Metropolitan Region Scheme, the proponent shall complete studies to show that construction and operation of the highway, the public transport route and urbanisation in this area will not adversely affect the water quality and quantity of the Priority 1 Source Protection areas for groundwater.
- 4-2 The proponent shall neither commence construction of the road nor subdivide the land proposed to be zoned "urban" in the Metropolitan Region Scheme, until suitable arrangements are finalised with the Lands and Forests Commission for the land to be excised from State Forest.
- 4-3 The proponent shall neither commence construction of the road nor subdivide the land proposed to be zoned "urban" in the Metropolitan Region Scheme, until suitable arrangements are finalised with the Water Authority of Western Australia for all land to be excised from the Priority 1 Source Protection areas for groundwater. These arrangements should neither permit a net reduction in the total area of Crown land of the Water Reserve, nor a reduction in water quality and quantity for public water supply.

Note: The above studies and arrangements (required by conditions 4-1, 4-2 and 4-3) shall be carried out to meet the requirements of the Minister for the Environment on advice of the Environmental Protection Authority, the Water Authority of Western Australia, the Department of Conservation and Land Management, the Lands and Forests Commission and the Department of Planning and Urban Development, as appropriate.

5 Drainage and Nutrient Management
Water quality and quantity management is required on the State Forest land proposed for urbanisation, to protect groundwater, wetlands, Ellen Brook and the Swan River.

5-1 Prior to subdivision, the proponent shall establish environmental criteria and objectives for water quality and quantity, to the requirements of the Environmental Protection Authority on advice of the Water Authority of Western Australia, the Department of Conservation and Land Management, the Swan River Trust and the Shire of Swan.

The criteria and objectives shall be based on a review of the work undertaken for the adjacent Ellenbrook and Egerton urban development projects and modified as appropriate, and shall include, but not be limited to, consideration of:

- (1) the protection of water quality in the groundwater, wetlands, Ellen Brook and the Swan River from nutrients, pesticides and pollutants; and
- (2) water level criteria which will ensure the maintenance of wetland function and protect adjoining land uses.
- 5-2 Prior to development, the proponent shall prepare an Environmental Management Programme in consultation with the Water Authority of Western Australia for nutrient and drainage management which is consistent with the environmental criteria and objectives required by condition 5-1, and which includes the development of a comprehensive monitoring, management and reporting programme, to meet the requirements of the Department of Environmental Protection on advice of the Water Authority of Western Australia, the Swan River Trust, the Department of Conservation and Land Management and the Shire of Swan.
- 5-3 The proponent shall implement the Environmental Management Programme required by condition 5-2.
- 6 Areas Set Aside for Conservation
 The Parks and Recreation reservation for the Lexia Wetlands conservation area which contains important wetlands and vegetation, should be protected.
- 6-1 The proponent shall modify the location of the carriageway and drainage basins within the road reserve created under the Metropolitan Region Scheme Amendment No 950/33 so that they are either east or south of the general ridgeline which defines the edge of the basin which contains the Lexia wetlands, to the requirements of the Minister for the Environment on advice of the Department of Environmental Protection.

Note: In locations where the Road Reserve is north and west of the ridgeline and this general requirement is not feasible, the carriageway and drainage basins may be located as far east and south as practicable.

- 6-2 The proponent shall modify the location of the interchange so as not to impact on the Lexia wetlands, to the requirements of the Minister for the Environment on advice of the Department of Environmental Protection.
- 6-3 Prior to commencement of construction North of Gnangara Road, the proponent shall only design and construct any access from the Highway to the Lexia Wetlands conservation area subject to a management plan for the conservation area, to the requirements of the Department of Environmental Protection on advice of the Department of Conservation and Land Management.

7 Wildlife Underpasses

7-1 Prior to commencement of construction, as part of a fauna and habitat survey along the highway alignment, the proponent shall investigate and report on the need for wildlife underpasses between the Caversham Air Base and Whiteman Park, to the requirements of the Department of Environmental Protection on advice of the Department of Conservation and Land Management.

- 7-2 Subject to condition 7-1, the proponent shall prepare design plans for incorporation of wildlife underpasses between the Caversham Air Base and Whiteman Park, to the requirements of the Department of Environmental Protection on advice of the Department of Conservation and Land Management.
- 7-3 Prior to commencement of construction, the proponent shall prepare design plans for wildlife underpasses between the Lexia Wetlands conservation area and the Sawpit Gully area, to the requirements of the Department of Environmental Protection on advice of the Department of Conservation and Land Management.
- 7-4 The proponent shall implement the plans required by conditions 7-2 and 7-3.
- 8 Wetlands and Conservation Areas
 North of Maralla Road, wetlands should be protected and if the 'alternative' alignment deviating eastwards in the vicinity of Warbrook Road is selected, the habitat of the
- Prior to selection of the final alignment north of Maralla Road, the proponent shall prepare a strategy for protection of the wetlands on the site, to the requirements of the Department of Environmental Protection on advice of the Department of Conservation and Land Management.

This strategy shall include, but not be limited to the following:

Western Swamp Tortoise and its catchment should be protected.

- (1) the feasibility of modifying the Controlled Access Highway Reservation (and hence the alignment of the highway) so as to avoid, or reduce, the environmental impacts on wetlands;
- (2) details of wetland replacement;
- (3) the timing of any wetland replacement; and
- (4) wetland management, including a monitoring plan.
- 8-2 The proponent shall implement the strategy required by condition 8-1.
- 8-3 The proponent shall ensure that the habitat, including water quality, of the Western Swamp Tortoise (*Pseudemydura umbrina*) and the catchment are protected from adverse impacts associated with construction and operation of the 'alternative' alignment for the Highway.
- 8-4 Prior to commencement of construction North of Maralla Road, to achieve the objectives of condition 8-3, the proponent shall prepare a detailed drainage management strategy for the Twin Swamps Nature Reserve, to the requirements of the Department of Environmental Protection on advice of the Department of Conservation and Land Management.
- 8-5 The proponent shall implement the strategy required by condition 8-4.
- Proponent
 These conditions legally apply to the nominated proponent.
- 9-1 No transfer of ownership, control or management of the project which would give rise to a need for the replacement of the proponent shall take place until the Minister for the Environment has advised the proponent that approval has been given for the nomination of a replacement proponent. Any request for the exercise of that power of the Minister shall be accompanied by a copy of this statement endorsed with an undertaking by the

proposed replacement proponent to carry out the project in accordance with the conditions and procedures set out in the statement.

10 Compliance Auditing

In order to ensure that environmental conditions and commitments are met, an audit system is required.

- 10-1 The proponent, in consultation with the Department of Environmental Protection, shall prepare an Audit Programme, which includes requirements for the preparation of periodic Compliance Reports.
- 10-2 The proponent shall subsequently implement the Audit Programme required by condition 10-1.

Procedure

- The Department of Environmental Protection is responsible for verifying compliance with the conditions contained in this statement, with the exception of conditions stating that the proponent shall meet the requirements of either the Minister for the Environment or any other government agency.
- If the Department of Environmental Protection, other government agency or proponent is in dispute concerning compliance with the conditions contained in this statement, that dispute will be determined by the Minister for the Environment.

Kevin Minson MLA
MINISTER FOR THE ENVIRONMENT

25 OCT 1994

Proponent's Environmental Management Commitments

ROUTE ALIGNMENT FOR PERTH TO DARWIN NATIONAL HIGHWAY & FAST TRANSIT ROUTE, AND EXCISION OF LAND FROM STATE FOREST NO. 65 & PRIORITY 1 SOURCE PROTECTION AREA FOR URBAN DEVELOPMENT (870)

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ELLENBROOK MANAGEMENT PTY LTD

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Words Main Roads will undertake to develop as EMP that will address preventions of the introduction and agreed of weeds. France Main Reads will undertake to minimize soil session. Main Roads will undertake to adolents the visual impact of the consensus route. Main Roads will undertake to adolents the visual impact of the consensus route. A EMP will be prepared to address the achievement of this objecture.		Propose a distant menagement plan prior to montruction in acreductor with Main Boads default placy (se darceased in the Main Ros to Environmental Interment Main with	Operations	Nam Rauda, CALM
Words Nove Main Roads will undertake to minimize soid onesion. Frenion Main Roads will undertake to minimize soid onesion. Main Roads will undertake to minimize soid onesion. Main Roads will undertake to asinimize the visual Impact of the consensus route. An EMP will be prepared to address the achievement of this objecture.		Carry east a survey to determine the presence of disbuth about the road alignment. Operational prior to be start of the constructum phase.	Operational	Man Roads, CALM
Freeing Main Roads will undertake to mismiss and evalue. Main Roads will undertake to adolesia the visual impact of the conseques route. An EMP will be prepared to address the achievement of this objecture.		Unphasement a weed control program prior to the start of the construction phase and during rehabilitations.	Operational	Main Roads,
Landerape Main Ecoda will undertake to alicianise the visual Impact of the conseques route. An EMP will be propored to address the achievement of this objecture.		Minimise the size and length of time exposed soul is present.	Operational	Man Roads
Landerape Main Roada will undertake to antoimine the visual Impact of the economyse route. An EMP will be prepared to address the achievement of this objecture.		and prevent tend	Operational	Mus Roads
Landarape Main Roads will undertake to adeliants the visual Impact of the conseques route. An EMP will be prepared to address the achievement of this objecture.				9
Landarape Main Roads will undertake to anisimise the visual impact of the consensus route. An EMP will be propored to address the achievement of this objectors.		Stabilise coad verget and median simps with a surface multib or other appropriate. Leadusent.	Operational	Mas Koads
Landwape Main Eoods will undertake to minimine the visual Impact of the excuentual route. An EMP will be prepared to address the achievement of this objector.		Rehabilitate all areas distorbed doring raid monstruction.	Operational	Maie Reads, CPA
	ante a	Undartaka a viaual bioessment.	Strategy Plansing	Maie Beach
		Orwing to EMP.	Strategy Planning	Man Roods, EPA
		Give consideration to the characteristics of the naturally occurring regression	Stategie Planning	Man Roads
		when defining the tood reserve width and rasy that width in accordance with Unose thanktoristies.		
		Select plant species used for landeraping from those which naturelly excur plang. The road and wherever possible source propagation material from the immediate vicinity of the road.	Operation	Man Roads
	the community consultation pregramme. Hain Boads	No applicable,	Strategic Planning	Man Raids, EPA
20 Community Consultation Distribution Management will continue to address any social impact mattern Ellenbrook Management annually consultation trageament.	will continue to address any social impact mattern Elterbrook Management overst sociaton proposal Unough the enisting propiant.	Naker to existing community consultation programme for the Ellenbrank development	Seratept Phonung	Glenbrock Management, EPA

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Poblic Environmental Review Porth Derwin National Highway, Reid Highway to Muchea TABLE 9.1 (continued)

1	-	Commisment	Opensity	Monagament Strategies	Please	Propert Auditor
2	Aboriginal Heritage	Mala Boads will undertake as gerbaological and obsequentie curvey of the proposed route alignment and prepare as BMP that will address any olganisms. Absorptus sides found in that area.	Main Roeds	Undertake an archaeodogical and ethnographic turvey prior to haslianism of tand . Stretagic Planaing requirements for the sevier.	Strologie Planning	Department of Aberighed Size
			•	Develop an EUO If significant Abariginal sites are found in the vicinsty of the consequence route, is consultation with the referent Aboriginal communities.	Surtegic Panoung	Department of Aboriginal State
R.	Abonous Heritage	Main Roads sell comply with the requirements of the Abertainal Haritage Act 1972-1980.	Main Roads	Compliance by Main Roads with all legal eropolesments regarding dusturbance of Aberlyinal sites.	Operational	Department of Aboreginal Seles
ឆ	Esisting Communities and Lond Una	Make Roods will medertake to mentake the effects of construction of the consenue routs neutraling communities and easifestons.	Main Boads	Canacia with fundoments to minimize the impact of the construction and operation of the consequent result on private property.	Strategic Platesing	Main Roade, Or'UD
				Locate the final eligement along property boundaries where possible, thereby embering property ecverants.	Strategie Plancing	Main Rauds, DPUD
				Beatrid site week to a maximum of 150 hears per fartaight, auth a maximum of ten bours per day between 7.00am and 6.00pm.	Operational	Mais Roads
a	Estable Contentities and Land Uses	Eleabrok Minageness will nodertake to continue the existing contrastity consultation programme exhibitions as part of the approval proves for the Christoon project to review the impacts and Montaly minagement requirements for the State forced land conversaries and the conversations and the state and the conversations are conversations.	Elebrook Management	Continue the existing Etembrick development community mesuitation programme	Sexugic Panaing	Ellesbruk Nangrara
72	Levration	Mais Roads will undertake to minimus, the import of the alignment of the concessus route on existing secretaions) inclittes and assess	Man Roads	Ne special management at ateques are considered pecessary	Prientil Adolera	Mains Raadn

						- Parks
2	Drainage Streethers	Main Roads undertubes to consult with the Wester Ambacky in locating desirage Main Rose	Mayin Roads	Refer proposal for desirange structures to the Water Authority	Operational	WAWA
		structures within Welbead Protecting Zanes				}