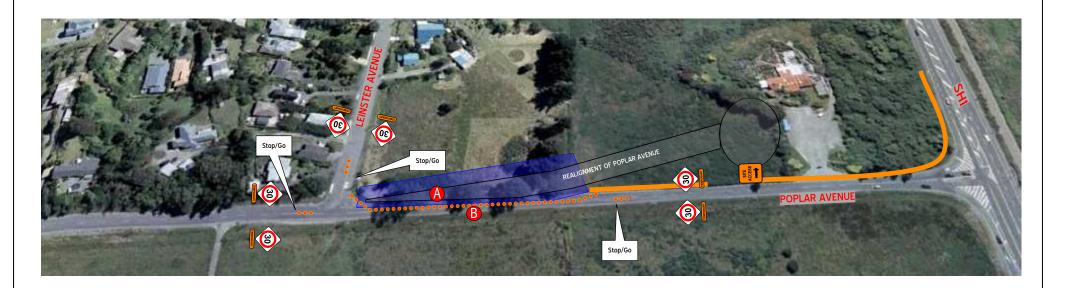
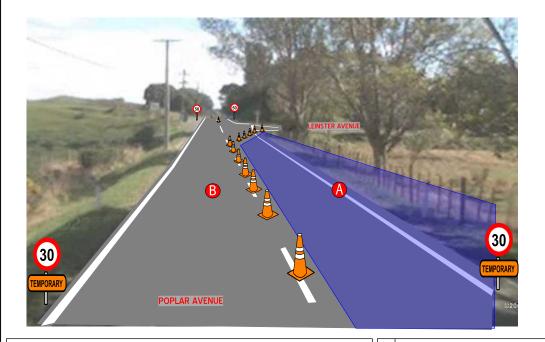


						XPRESSWAY
					Title:	FOR CONSENTING
				WAKA KOTAHI	POPLAR AVENUE SITE ACCESS AND GROUND IMPROVEMENTS	Document ID: M2PP-AEE-DWG Rev.
1	AEE LODGENENT	NRN	15.03.12		SITE ACCESS AND GROOND IMPROVEMENTS	CV-CM-301 1
Revision:	Amendment:	Approved:	Date:			





NOTES:

- Area of Poplar Avenue under short term single lane closure during tie-in construction (Off Peak and daylight hours only)
 Traffic operating under contra flow with STOP GO traffic controllers operating from Leinster Avenue through to the Site Access on Poplar Avenue

DETAILS:

NZ TRANSPORT AGENCY

AKA KOTAH

Appr ved: Date:

- Site established after am peak and removed before pm peak STOP GO control on Poplar Avenue and Leinster Avenue Access to work site via northern site access on Poplar Avenue Restrict speed during lane closure to 30kph

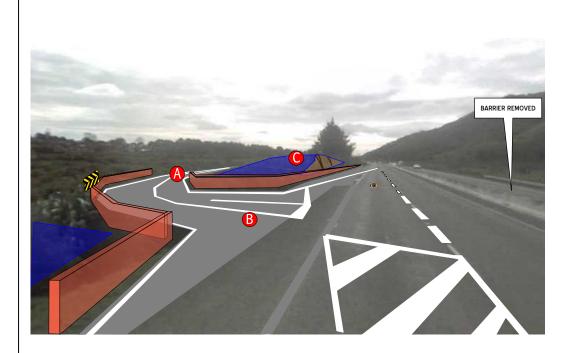
- Closed lane cleared and opened for normal traffic use with speed restriction if
- required because of surface condition
- TM and signage on Poplar Avenue and Leinster Avenue to CoPTTM Level 2 requirements - Note that Leinster Avenue is closed to SHI when this activity occurs

POPLAR AVENUE

TIE-IN TO POPLAR AVENUE

MACKAYS TO PEKA PEKA EXPRESSWAY

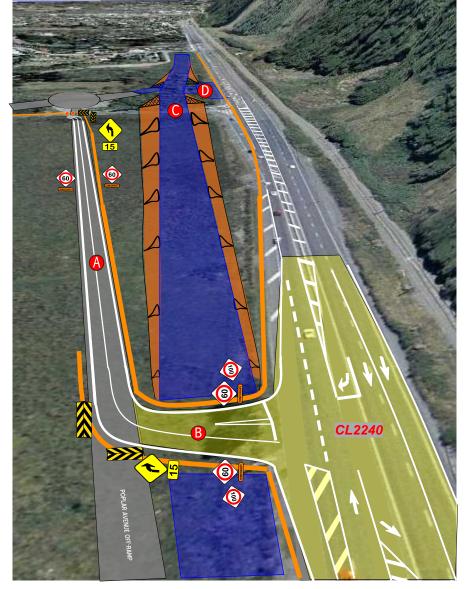
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Document ID:	N2PP-AEE-DWG	Rev.					
CV-	CM-302] ·	1				



- Or Completed SHI to Poplar Avenue Off-Ramp used as temporary two lane two way extension of Poplar Avenue while the new expressway embankment and bridge is completed at the
- closed Poplar Avenue
 Temporary connection from Poplar Avenue Off-Ramp to SHI, new intersection built
 Construction area involving completion of the expressway bridge over Poplar Avenue and
- the associated approach ramps • Construction of the western side of the roundabout east of the new expressway bridge over
- Poplar Avenue Bridge

DETAILS:

- Speed limit of 60kph on temporary road layout
 Additional curve warning signs installed on the temporary road
 Access to work site via northern site access on Poplar Avenue or from existing Poplar Avenue intersection
 TM signage on Temporary road to Level 1 requirements on SHI to Level 2 requirements



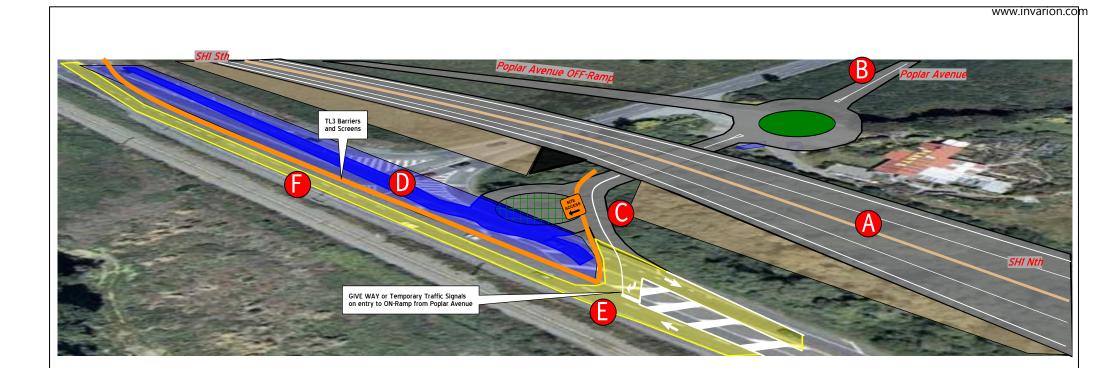
POPLAR AVENUE TEMPORARY TIE-IN TO SH1

	APRESSWAY
	VDDECCM/AV

Document ID: N2PP-AEE-DWG Rev: Drawing No:
Develop No.

1	AEE LODGEMENT	NRN	15.03.12
Revision:	Amendment:	Approved:	Date:

NZ TRANSPORT AGENCY WAKA KOTAHI



Open new expressway with traffic using all four lanes and the SHI to Poplar Avenue OFF-Ramp changed from two way to one way OFF-Ramp. (From layout shown in M2PP-AEE-DWG-305
 Poplar Avenue traffic switched to new alignment from western roundabout to Leinster Avenue

Poplar Avenue connected to old SHI from eastern roundabout using the partially completed section of roundabout
 Construction activities carried out behind barriers on the remaining section of the eastern roundabout and connection to old SHI
 Temporary intersection formed from Poplar Avenue to old SHI
 Temporary On-Ramp marked from Poplar Avenue to Expressway

DETAILS:

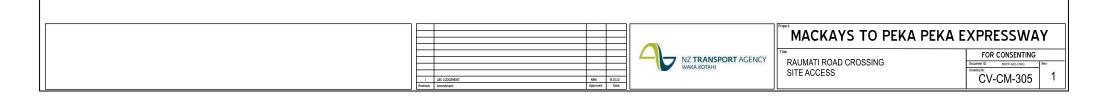
Access to work site via existing/old section of SHI
 TM signage on Temporary road to Level I requirements
 Final tie-in to expressway carried out under discrete daytime lane closures

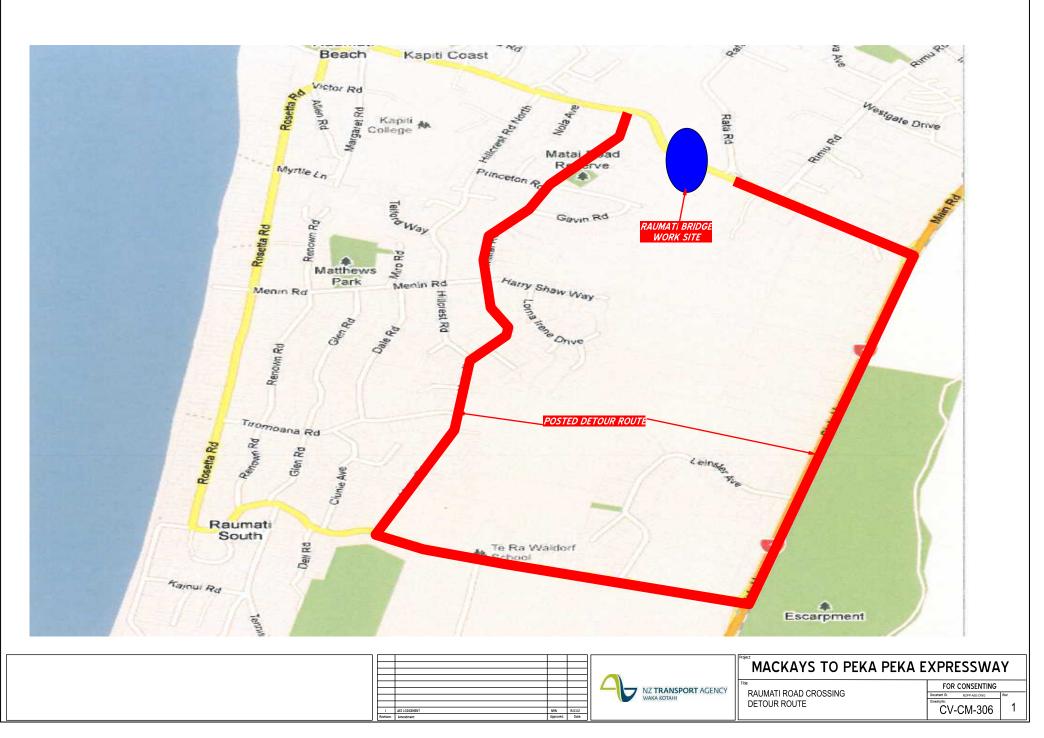
					MACKAYS TO PEKA PEKA E	EXPRESSWAY
				NZ TRANSPORT AGENCY	THE POPLAR AVENUE TEMPORARY TIE-IN TO STATE HIGHWAY ONE	FOR CONSENTING Deciment D: M2PP-AEE-DAG Design Mx
1 Revision:	AEE LODGEMENT Amendment:	NRN Approved:	15.03.12 Date:		TEMPORARY TIE-IN TO STATE HIGHWAY ONE	CV-CM-304 1



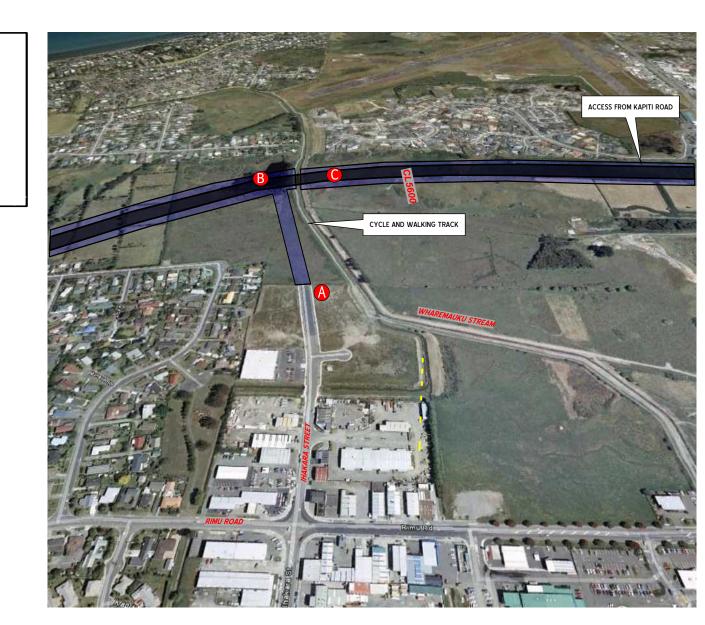
- Speed limit of 50kph to remain
 While works are being completed the pedestrian footpath will be fenced off from
 the work site.
 Additional warning signs installed either side of the site entrance advising "Trucks Crossing"
 Access to work site via northern site access on Poplar Avenue
 The benefits of the deviation and the second second

- TM signage to Level 1 requirements









NOTES:

- Site access via SH1 onto Ihakara Street and

- Site access via SHI onto inakara Street and accross open space to site (Using formed access track)
 Southern abutment and embankment for Wharemauku Stream Bridge, all access from Inakara Street
 Wharemauku Stream Bridge north abutment, all access from Kapiti Road using expressway formation

DETAILS:

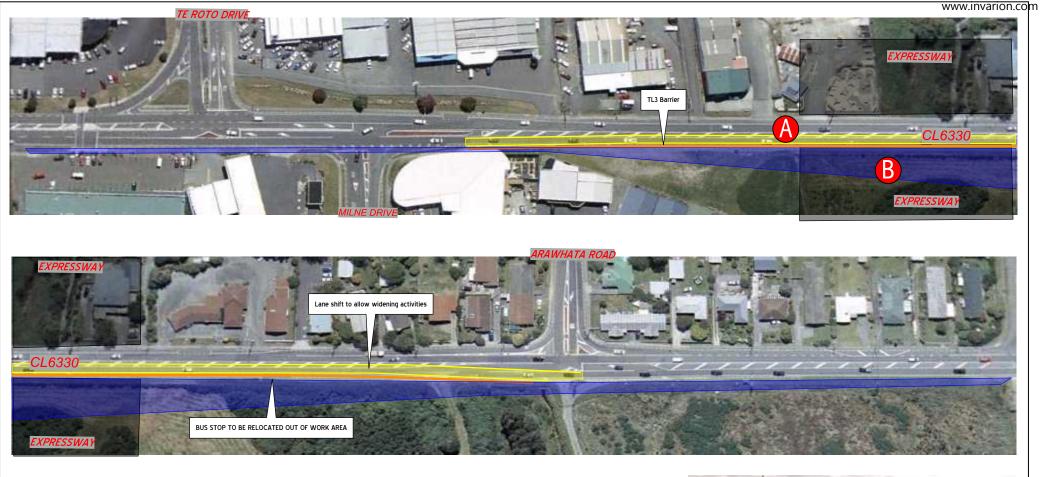
Access for pedestrians and cyclists on the walkway track will be maintained at all times with a route formed around the work area including a temporary crossing of the stream if necessary.

MACKAYS TO PEKA PEKA EXPRESSWAY

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NZ TRANSPORT AGENCY WAKA KOTAHI WHAREMAUKU STREAM BRIDGE SITE ACCESS FROM IHAKARA STREET

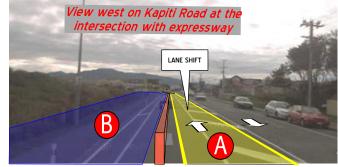




 West bound lane shifted north into flush median from Arawhata Road to Milne Drive to provide space for pedestrians and cyclists and allowing for truck movements into and out of site access points
 Widening works and part of Kapiti Road reconstruction carried out behind TL3 Barriers

DETAILS:

Pedestrians and cyclists will be considered in TMP layouts with dedicated paths applied
 All TM at this work site to be applied to CoPTTM Level 1 requirements

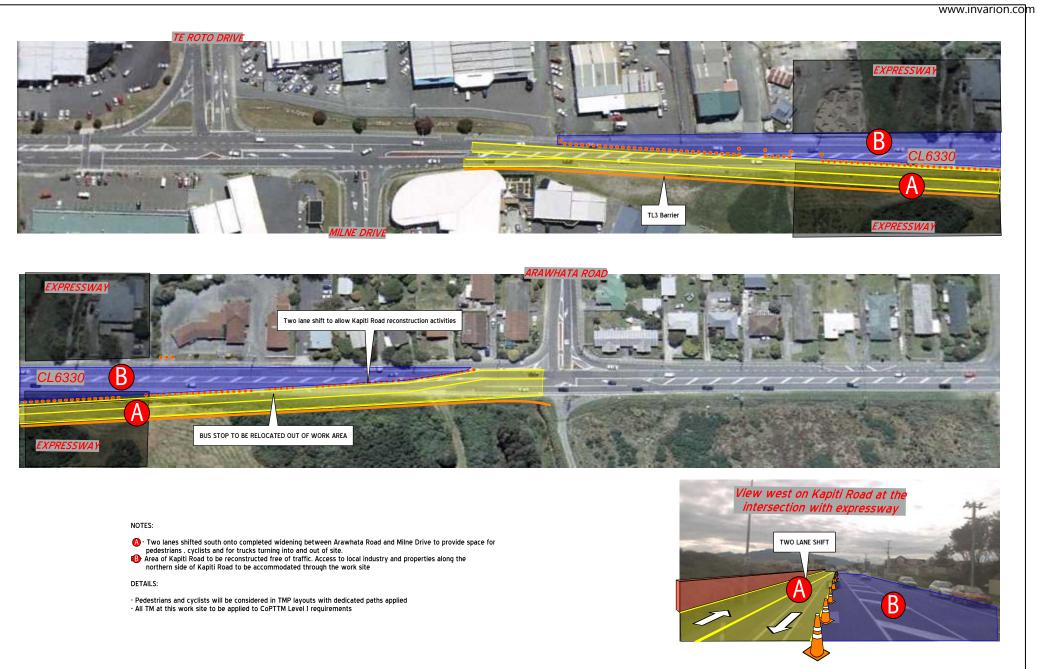


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NZ TRANSPORT AGENCY WAKA KOTAHI KAPITI ROAD INTERCHANGE STAGE ONE

FOR	CONSENTING	
Document ID:	M2PP-AEE-DWG	Rev:
CV-	-CM-308	1



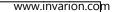
				NZ TRANSPORT AGENCY
				WAKA KOTAHI
1	AEE LODGEMENT	NSN	15.03.12]
Revision:	Amendment:	Approved:	Date:	71

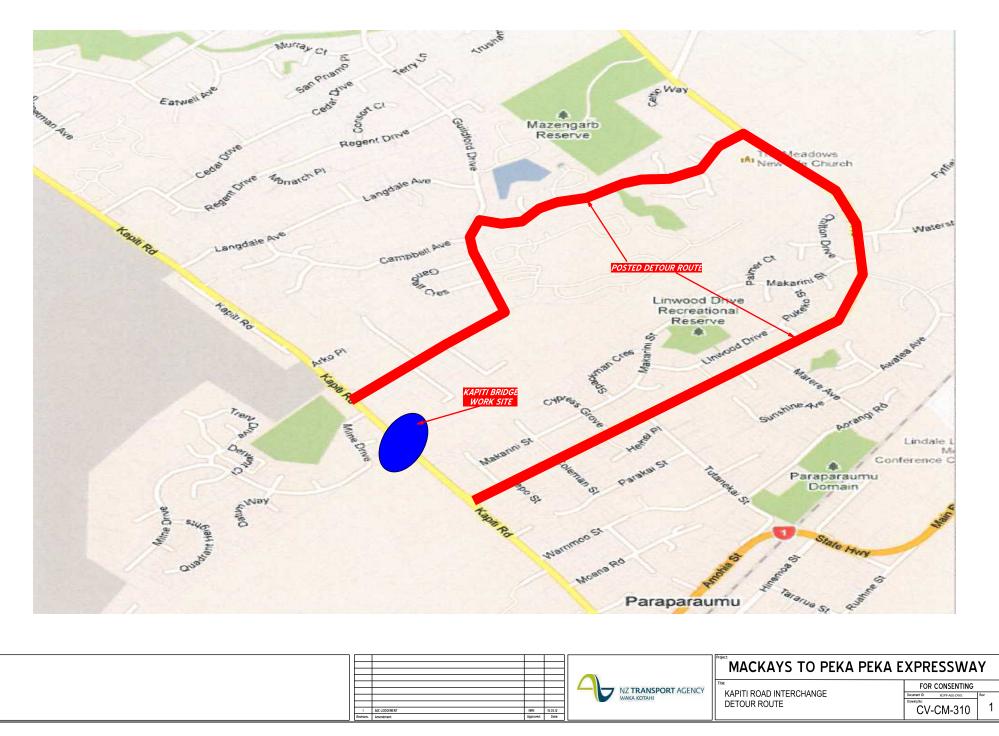
MACKAYS TO PEKA PEKA EXPRESSWAY

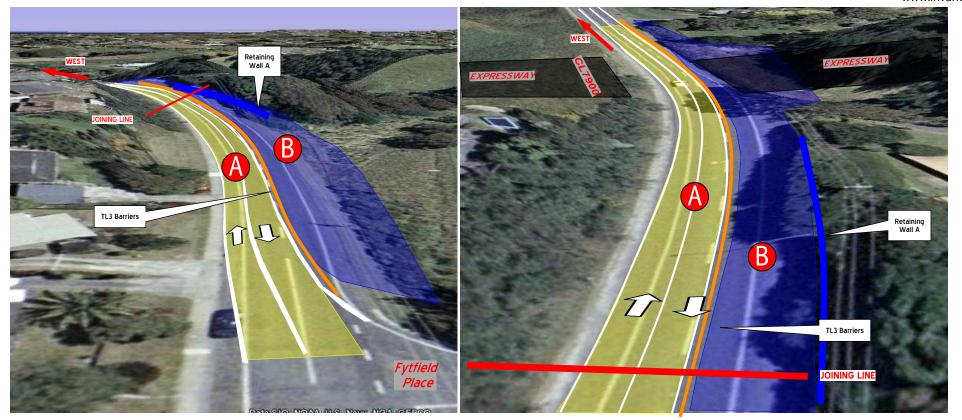
KAPITI ROAD INTERCHANGE

STAGE TWO

FOR CONSENTING					
Document ID:	N2PP-AEE-DWG	Rev:			
CV	-CM-309	'			







NOTES:

- 🚯 Two lanes shifted south against the kerb and channel to provide space for constructing retaining walls and excavation on north side of Mazengarb Road B · North retaining walls construction, ground improvements, cut to subgrade and construct new pavement (two lanes)

DETAILS:

- Lanes reduced to 3.1 metres and speed reduced to 30kph during this activity Warning signs for motorists to "Watch for Cyclists" installed each end of the works as shoulder
- widths reduced to 300mm
- Pedestrians will remain on the south side of Mazengarb Road only
 Access to private properties will be accommodated through consultation with land owners
 Traffic management will be established in accordance to Level 1 CoPTTM



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NZ TRANSPORT AGENCY	MAZENGARB ROAD RECONSTRUCTION	FOR CONSENTING Document ID: MOPP-AEE-DWG Rev:
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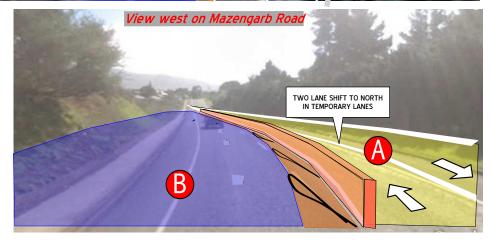
www.invarion.com EXPRESSWAY Retaining Wall B B Retaining Wall B TL3 Barrier ÍÌ Fytfield Place 00.00

NOTES:

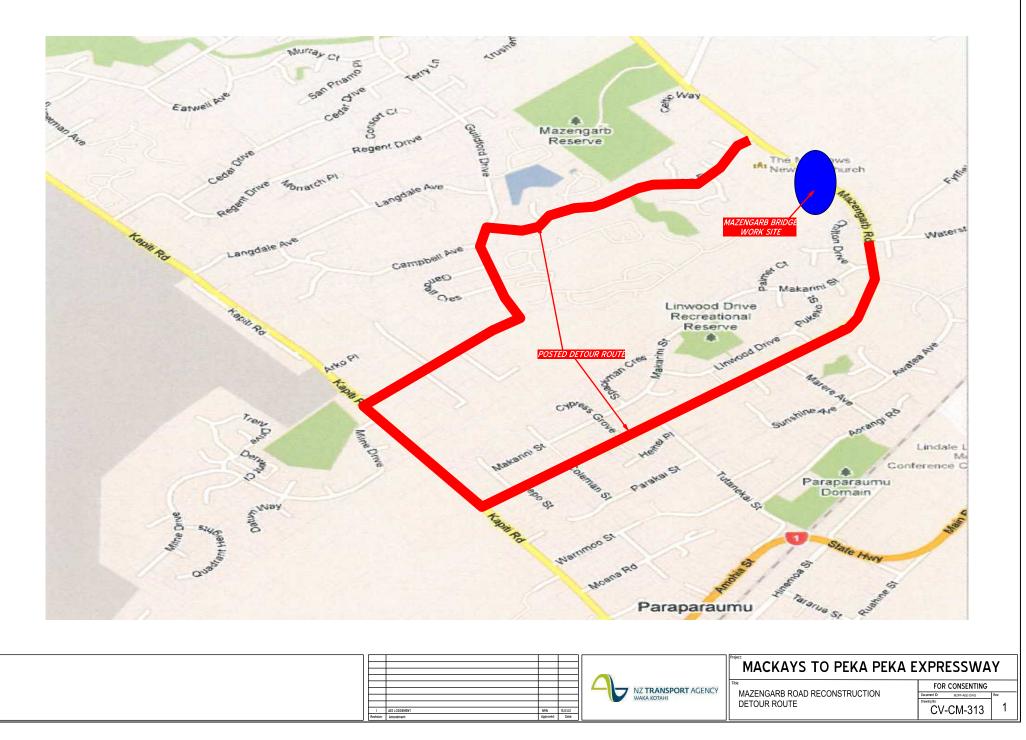
- (A) Two lanes shifted north onto new formation to provide space for excavation on south side
- of Mazengarb Road (Additional pavement width built to allow maximum shift)
 Retaining wall constructed, ground improvements, excavation to provide completed formation levels, pavement and footpath constructed

DETAILS:

- Lanes reduced to 3.1 metres and speed reduced to 30kph during this activity
 Warning signs for motrists to "Watch for Cyclists" installed each end of the works as shoulder widths reduced to 300mm
 Pedestrians will be accommodated on a temporary footpath on the north side of Mazengarb Road with signs indicating to motorists to watch for pedestrian movements crossing Mazengarb Road.
 Access to properties will be accommodated through the work site in consultation with property owners
 Traffic management will be established in accordance to Level 1 CoPTTM



				MACKAYS TO PEKA PEKA E	XPRESSWAY
			NZ TRANSPORT AGENCY WAKA KOTAHI	TERE MAZENGARB ROAD RECONSTRUCTION STAGE TWO	FOR CONSENTING Document ID: M2PP-AEE-DWG Rev: Drewing No:
Amendment:	Approved:	Date:			CV-CM-312



CV-CM-314



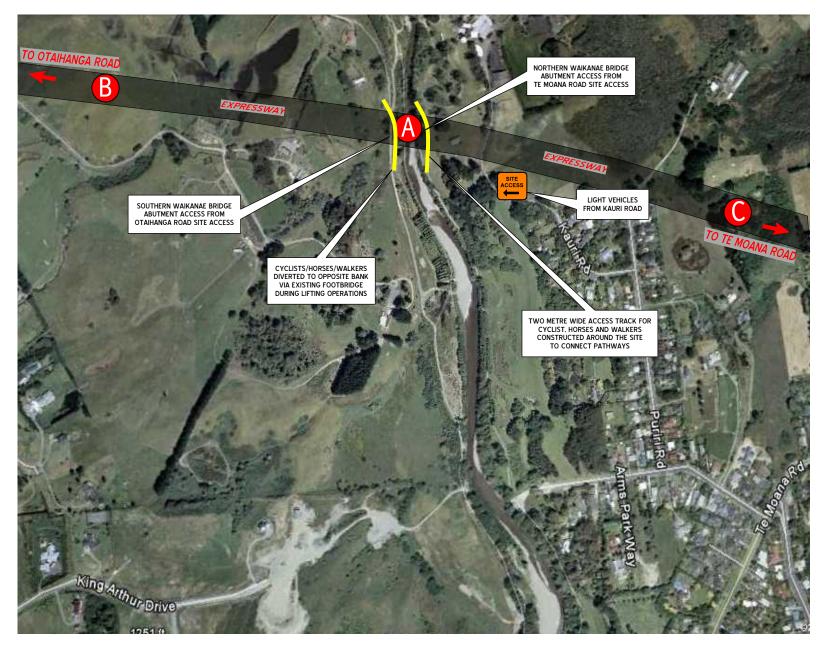
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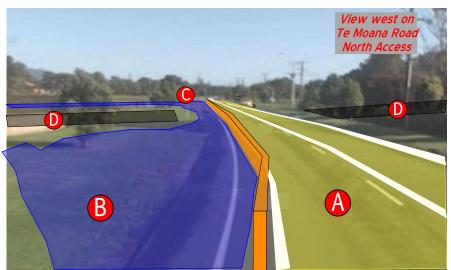


- 🚯 Waikanae River Bridge crossing
- Expressway route to Otaihanga Road used as access to southern abutment for all vehicles
- Expressway route to Te Moana Road used as access to northern abutment for all vehicles

REFER TO CV-CM-500-508 FOR DETAILED PLANS OF FOOTPATH DIVERSIONS



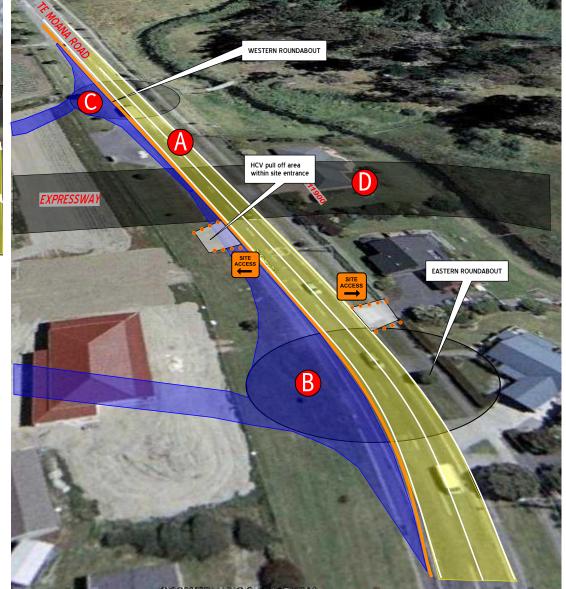
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					Tible:	FOR CONSENTING	-
				NZ TRANSPORT AGENCY Waka kotahi	WAIKANAE RIVER BRIDGE	Document ID: M2PP-AEE-DWG Re Drawing Na:	łev:
1 Revision:	ARE LODGENENT Amendment:	NRN Approved:	15.03.12 Date:		ACCESS TO SITE	CV-CM-316	



- The existing lanes on Te Moana Road will be reduced to 3.2 metres and moved as far to the north of the existing carriageway to provide space for construction activities
 Eastern roundabout south side completed and tied into existing pavement with as much new pavement as possible while maintaining traffic on north
- side of Te Moana Road
- Western roundabout south side completed as described in the eastern roundabout above • Expressway location

DETAILS:

- Barriers will be used to isolate traffic from work site - Site access will be from Te Moana Road at the crossing location of the new expressway route, - All TM established to Level 1 CoPTTM requirements



				NZ TRANSPORT AGENCY
				WAKA KOTAHI
1	AEE LODGENENT	NRN	15.03.12	
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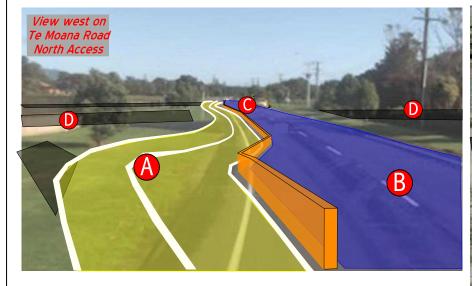
MACKAYS TO PEKA PEKA EXPRESSWAY

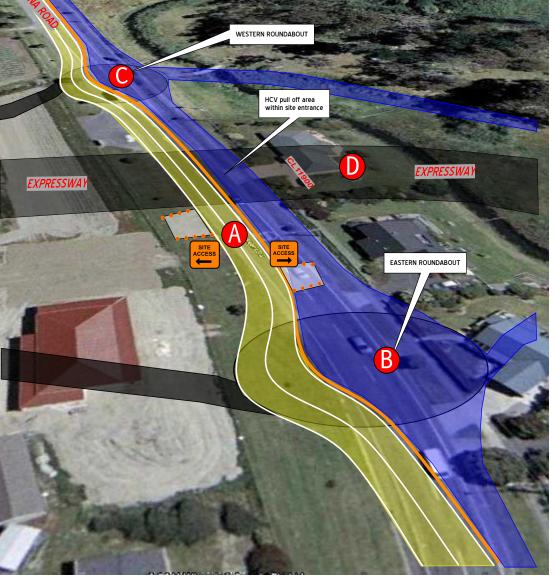
TE MOANA ROAD INTERCHANGE

STAGE ONE

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				NZ TRANSPORT AGENCY	TE MOANA ROAD INTERCHANGE
	AEE LODGEMENT	NRN	15.03.12		STAGE TWO
Revision:	Anendment:	Approved:	Date:		

AYS TO PEKA PEKA EXPRESSWAY

FOR CONSENTING				
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CV	-CM-318			

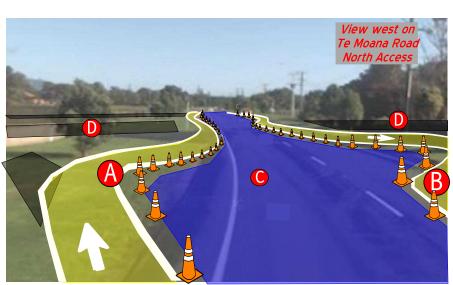
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NOTES:

The existing lanes on Te Moana Road will be reduced to 3.2 metres and moved as far to the south of the new carriageway completed under stage one
 Eastern roundabout north side completed with as much as possible with traffic using the southern side
 Western roundabout north side completed as far as possible with traffic using the southern side
 Expressway location

DETAILS:

- Barriers will be used to isolate traffic from work site Site access will be from Te Moana Road as shown
 All TM on this site established to CoPTTM Level 1



NOTES:

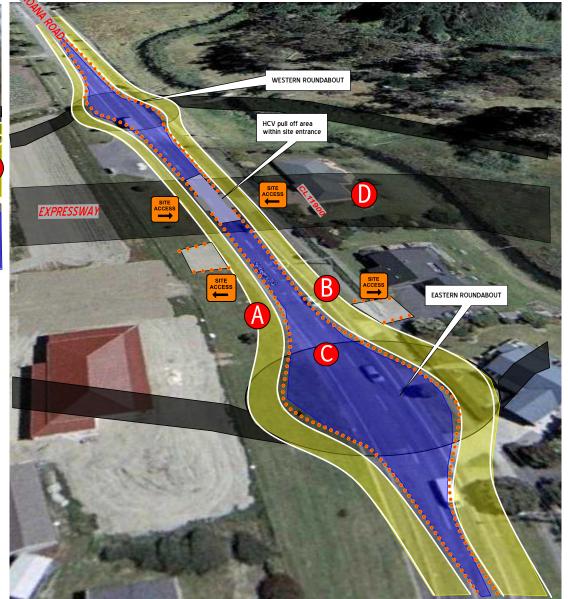
West bound lane remains to the south of the roundabouts

- B East bound lane remains to the north of the roundabouts
- Centre Islands and final pavement completed in the centre of the road

• Expressway location

DETAILS:

Cones will be used to isolate traffic from work site
 Site access will be from Te Moana Road at the crossing location
 of the new expressway route.
 All TM on this site established to CoPTTM Level 1



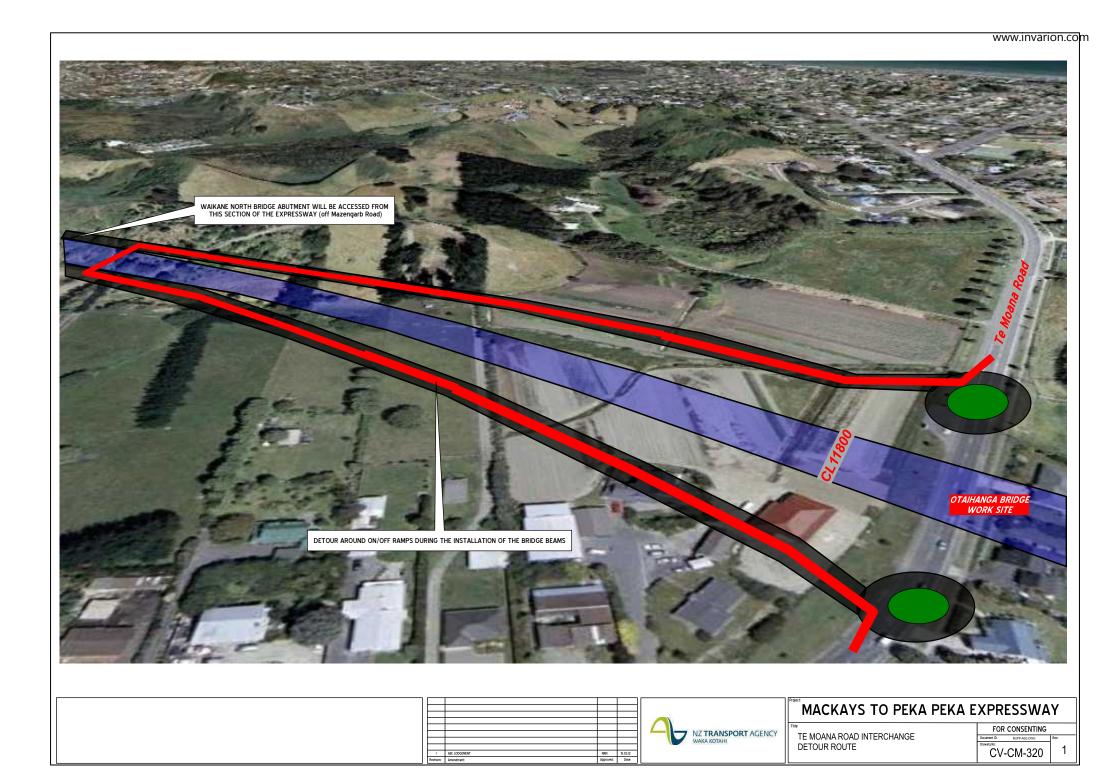
				NZ TRANSPORT AGENCY
				WAKA KOTAHI
1	AEE LODGEMENT	NRN	15.03.12]
Revision:	Amendment:	Approved:	Date:	

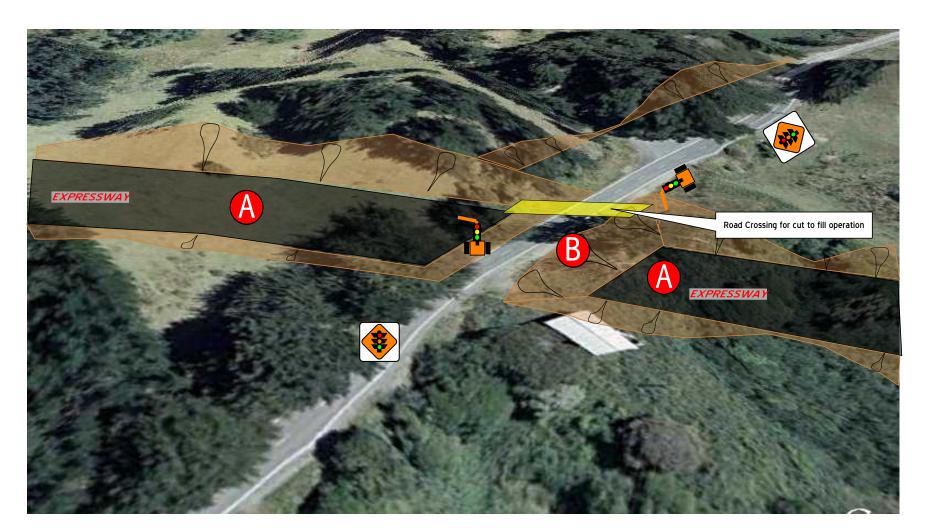
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TE MOANA ROAD INTERCHANGE STAGE THREE





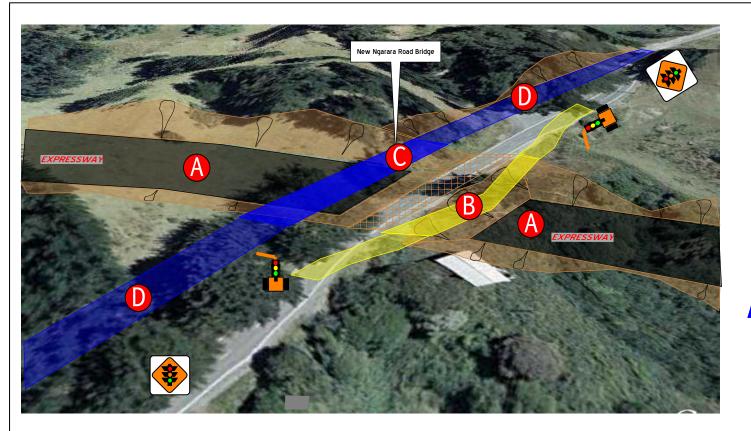


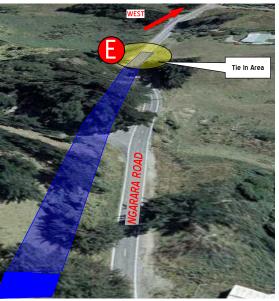
6) - Expressway route
 6) - Road crossing for moxi vehicles cutting to fill from the south side of Ngarara Road to the north side

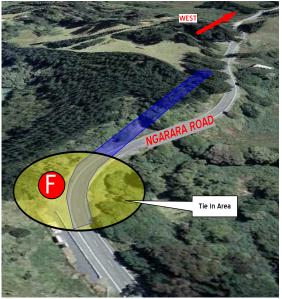
DETAILS:

The TM for this site will be established to Level 1 CoPTTM requirements
 Stop Go established during daytime only with one traffic controller each end of the operation.

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				NZ TRANSPORT AGENCY		FOR CONSENTING	
1 Revision:	AEE LODGENENT Annomant:	NRN Approved:	15.03.12 Date:	WAKA KUTAHI	STAGE ONE	CV-CM-321 1	ł







NOTES:

- Carperssway route
 Temporary single lane constructed adjacent to the existing Ngarara Road with temporary traffic signals
 New bridge over expressway constructed from the expressway formation levels, excavation require the bailey bridge to be operating before to enable the existing road to be cut and access under the bailey bridge to be established
 Approach road to the bridge completed either side of new bridge approach ramps constructed and traffic signals installed each end of the bridge
 Western tie-in to Agarara Road carried out under discrete TMP during daytime Traffic managed with STOP GO operation
 Eastern tie-in to Ngarara Road completed the same as western tie-in

DETAILS:

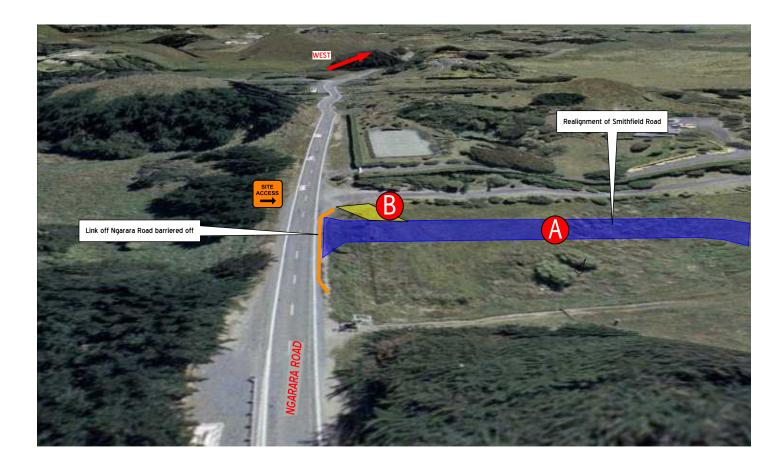
- The TM for this site will be established to Level 1 CoPTTM requirements

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1	AEE LODGEMENT	NRN	15.03.12
Revision:	Amendment:	Approved:	Date:

NZ TRANSPORT AGENCY WAKA KOTAHI

NGARARA ROAD CROSSING STAGE TWO

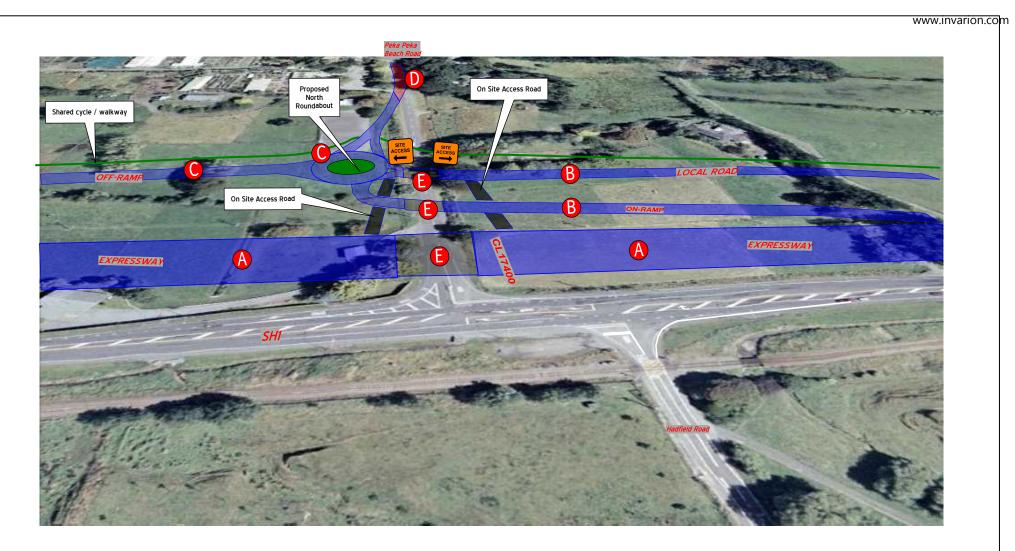


A - Smithfield Road New Alignment
 B - Site Access of existing entranceway

DETAILS:

The TM for this site will be established to Level 1 CoPTTM requirements
 Final pavement works to tie into Ngarara Road will be carried out under discrete daytime TM

					MACKAYS TO PEKA PEKA E	XPRESSWAY
	ASL LODGDRINT Annotiment:	NRN Approved:	15.03.12 Date:	NZ TRANSPORT AGENCY WAKA KOTAHI	TRIE NGARARA ROAD CROSSING STAGE THREE	FOR CONSENTING Decented ID: M2DP-ACE David Drewing No: CV-CM-323



- (A) Expressway constructed either side of Peka Peka Road
 (B) New road connections north of Peka Peka Road completed
- North Roundabout and OFF-Ramp completed south of Peka Peka Road
 Tie-in to Peka Peka Road on the approach to the roundabout
- completed under discrete TM moving the traffic away from work activities, following the establishment of the temporary access to SHI from the southern round-a-bout, refer drawing M2PP-AEE-DWG-CV-CM-325
 The three areas which cross the existing Peka Peka Road to be

Revision: Amende

constructed with traffic diverted onto the OFF-Ramp "C" and using the temporary intersection from the southern round-a-bout to access SH1

DETAILS:

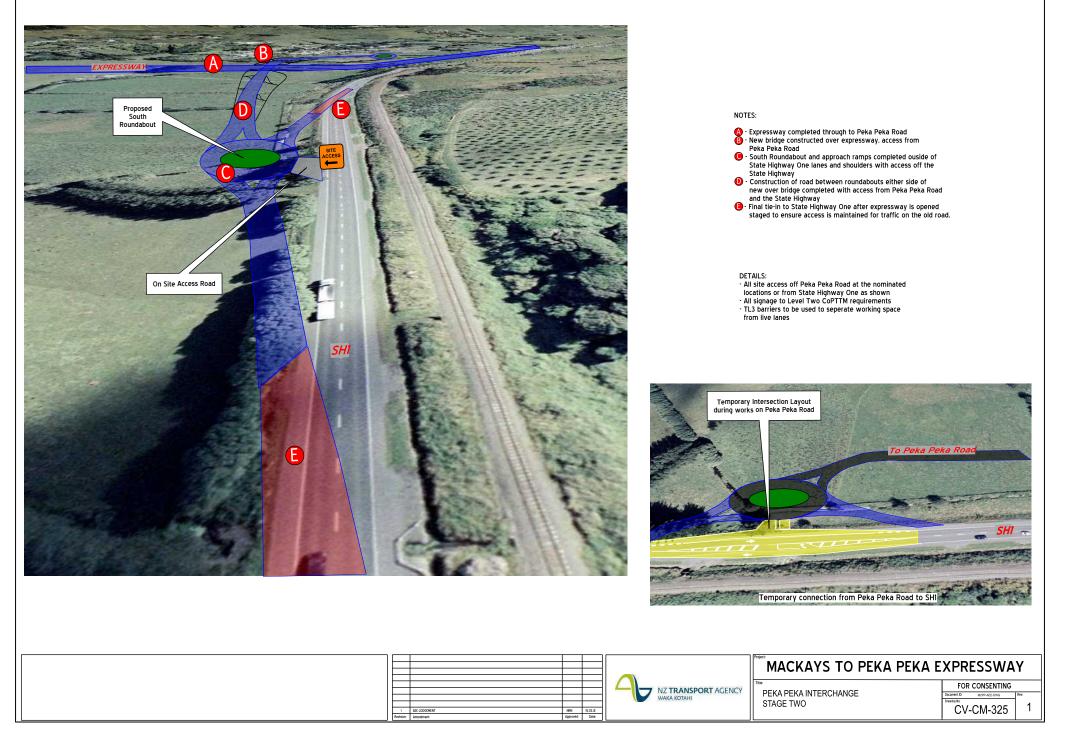
- All site access off Peka Peka Road at the nominated locations with internal access roads to each construction zone area from these access points - All signage to Level Two CoPTTM requirements

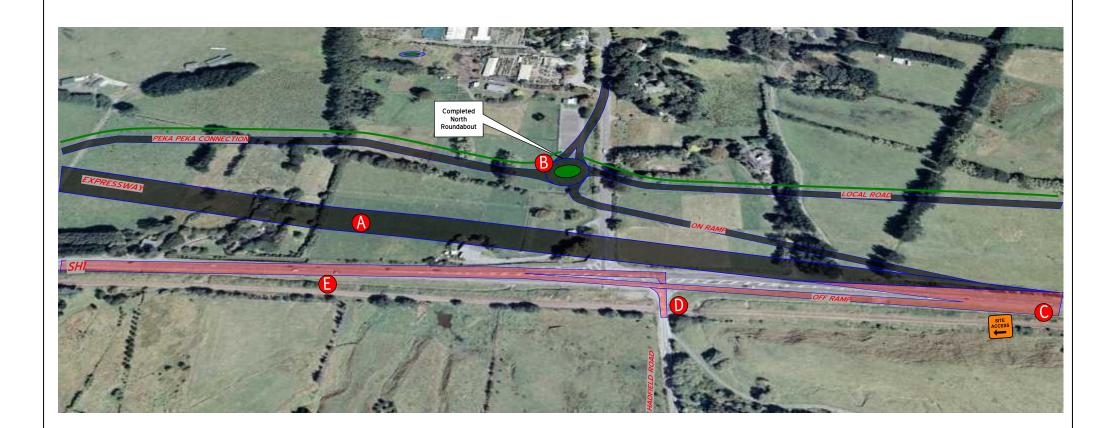
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_					NZ TRANSPORT AGENCY	PEKA PEKA INTERCHANGE
_	AEE LODGEMENT	NRN	15.03.12	11		STAGE ONE
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PEKA PEKA EXPRESSWAY

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NOTES:

Completed and open Expressway
 Completed and open round-a-bout connecting Peka Peka Road with old SHI
 Final tie-in to State Highway One completed under discrete TM moving lanes around work zone
 Construction of new road/intersection layout to Hadfield Road
 Construction of final road layout from Southern round-a-bout to Hadfield Road read road road my M2PP-AEE-DWG-CV-CM-325 for the tie-in to the southern round-a-bout

DETAILS:

 All site access off State Highway One from either Site "C" or the Southern Round-A-Bout
 All signage to Level Two CoPTTM requirements

