

# Manukau Harbour Crossing Alliance



# Rimu Rd Bridge – Construct South Half of Bridge


Gain access from SH20 NB lanes to construct temporary piles/ pavement and permanent piles on the north western side of Rimu Rd Bridge. Site access also from western side of temporary Rimu Rd to gain entry to the remaining western abutment construction


SITE ACCESS  
Crawford St

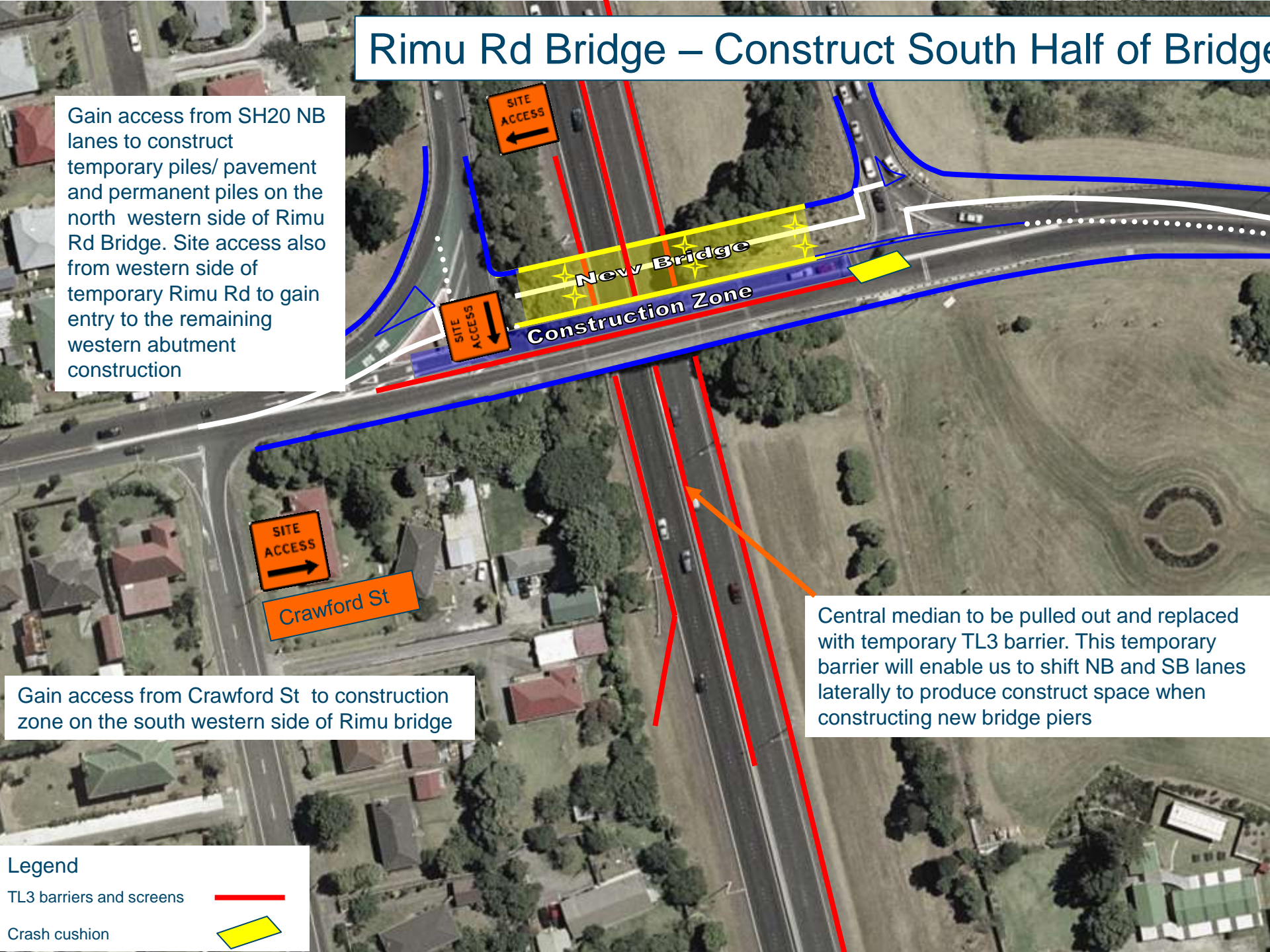
Gain access from Crawford St to construction zone on the south western side of Rimu bridge

Central median to be pulled out and replaced with temporary TL3 barrier. This temporary barrier will enable us to shift NB and SB lanes laterally to produce construct space when constructing new bridge piers

**Legend**

TL3 barriers and screens 

Crash cushion 



# MANUKAU HARBOUR CROSSING

NZTA — Fletcher — Beca — Higgins

# ALLIANCE



NZ TRANSPORT AGENCY  
WAKA KOTAHI

New Zealand Government

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**MANUKAU  
HARBOUR CROSSING**  
NZTA — Fletcher — Beca — Higgins  
**ALLIANCE**

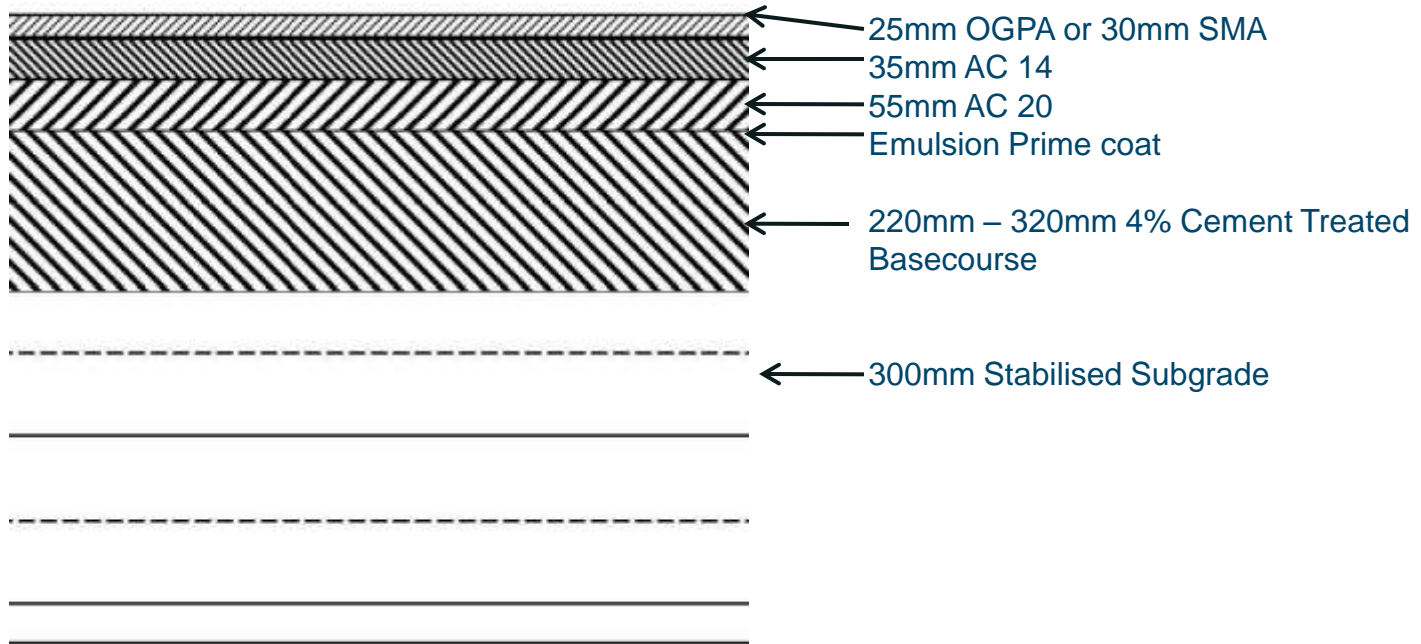


**NZ TRANSPORT AGENCY**  
WAKA KOTAHI

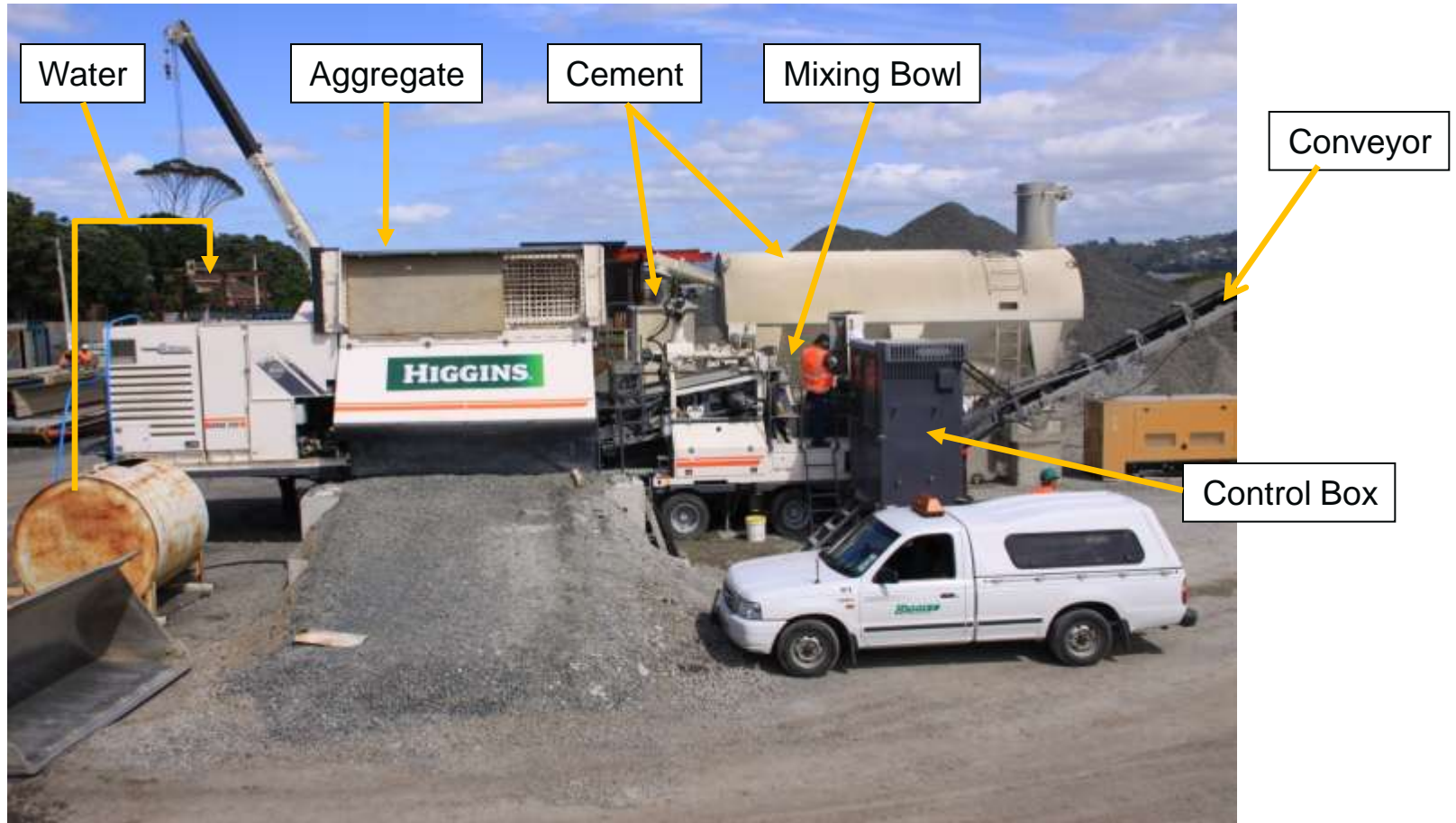
**New Zealand Government**



# Pavement Design Adopted



# Cement Treated Basecourse Production



# Cement Treated Basecourse Construction





# Asphalt Paving









North

|  | M 21/7   | T 22/7   | F 24/7   | S 25/7  | S 26/7  |
|--|--|--|--|---|---|
|  | <br>     | <br>     | <br>     |    |    |
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Week 2

| M 27/7  | T 28/7   | W 29/7   | T 30/7   | F 31/7   | S 1/8 |
|---|--|--|--|--|-------|
| <br>      | <br>     | <br>     | <br>     | <br>     |       |
|   |   |   |   |   |       |
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A11 Earthworks/Civil

|  |  |  |  |  |  |                     |
|--|--|--|--|--|--|---------------------|
| 1 Week Master Plan ( Tuesday 17 November 2009) |  |  |  |  | <b>MANUKAU HARBOUR CROSSING</b> NZTA Fletcher Beca Higgins |                     |
|  |  |  |  |  | Week commencing:   | Tuesday 17 November |
|  |  |  |  |  | Prepared by:   | MHX Motorway Crew   |
|  |  |  |  |  | Date prepared:   | Tuesday 17 November |

| Ref               | Foreman / Last Planner<br>Responsible for Work | Location of Works            | WWP - Task description<br>Criteria for release of tasks defined, sound, ordered, sized   | Requirements From Others<br>Work that must and can be performed prior to the release of this task to production   | Who will do the work?                              | Impact / Effects:<br>Traffic (T), H&S (H), Environment (E), Noise (N), Survey (S), Other (O) |
|-------------------|--|------------------------------|--|---|--|--|
| Earthworks/Civil  | itu  | Southern abutment            | Complete R2 wall batter at the abutment approach   |   |  |  |
|                   |  | Mahunga                      | Topsoil and reshape footpath<br>Crane Platform   |   |  |  |
|                   | Aczel  | Beachcroft FB footpath Aczel | Pour footpath<br>Dig around pile caps  |   |  |  |
|                   |  |                              | Start overland flowpath and lagoon shaping   | Waiting for approval of overland flowpath   |  |  |
|                   |  | Rimu                         | Complete swales on the West section  |   |  |  |
|                   |  | <b>Bored pile wall:</b>      | backfill behind barrier<br>shotcrete and shape up rockwall   |   |  |  |
| Drainage/Services | Andrew Matene                                  | Southern Alignment Median    | Excavate 375 pipe crossing<br>Lay 375 pipe Crossing<br>Install CMH 15-1/2<br>Excavate 750 pipe crossing<br>Lay 750 pipe Crossing<br>Install CMH 16-1/5<br>Conection to CMH 16-1/4<br>Start Excavation for 600 pipe | Excavator and Driver<br>Services Mark out Hastie & Miro<br>Set out and Materials<br>CTB Backfill<br>Trench shield | Andrew M<br>Phil Y<br>Phil Y<br>Andrew M<br>Phil Y |  |
|                   | Peter Yardley                                  | Neilson St on ramp SB        | Deep sewer line excavation<br>Install temp works<br>Lay sewer pipe<br>Backfill   | Trench shields  |  |  |
|                   |  | Southern Alignment Median    | Water main crossing Miro excavation<br>Lay Water main and backfill<br>Water main crossing Hastie excavation<br>Lay Water main and backfill   | Fusion welder<br>CTB Backfill   | Phil Y<br>Pete Y                                   |  |
|                   | Erin West / Andrew Matene                      | Southern Alignment Median    | Excavate Ducting crossing CH 2000<br>Lay duct and backfill<br>Excavate Ducting crossing CH 1300<br>Lay duct and backfill<br>Excavate Ducting crossing CH 800   | CTB Backfill<br>Services marked out   | Erin W<br>Sam B                                    |  |

Weekly work plan 5 week look ahead PPC Data Constraint Reason total PPC All PPC E-W PPC Dr-Serv PPC Pave PPC B-G-F PPC Struc|

Ready Count: 6 50%

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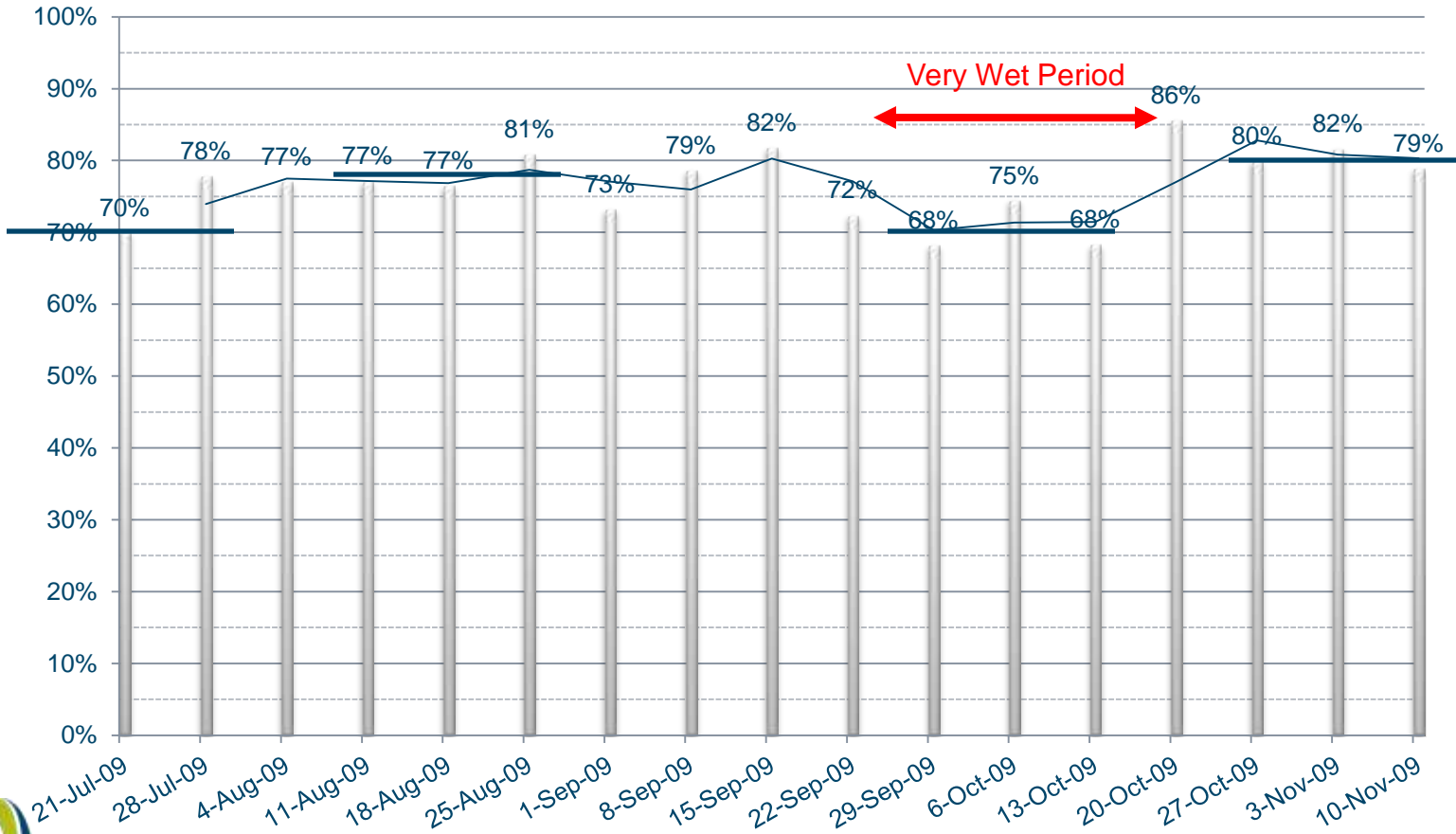
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| 5 Week Master Plan (17 November 2009) |                         |  |  | MANUKAU HARBOUR CROSSING |                         |
|---------------------------------------|-------------------------|--|--|--------------------------|-------------------------|
|                                       |                         |  |  | Week commencing:         | Tuesday 17 November     |
|                                       |                         |  |  | Prepared by:             | MHX Motorway Group      |
|                                       |                         |  |  | Date prepared:           | Tuesday 17 November     |
| Foreman / Last Planner                | Location of Works       | 5 Weeks Ahead - Task Description                     | Requirements from  | Constraint               | Who can                 |
|                                       |                         | Important Tasks for upcoming weeks                   | (ie Work that must be performed prior to the adding of this task to the 1 Week Schedule) | Type(s) *                | remove the constraints? |
|                                       |                         | Lagoon to beachcroft footpath + overland             | RM+ Aczel to do heights  |                          |                         |
|                                       |                         | Hastie footbridge site access                        |  |                          |                         |
|                                       |                         | Excavate for B-croft pile caps                       | Rob to do heights  |                          |                         |
|                                       |                         | Tararata west clearing                               |  |                          |                         |
|                                       |                         | Mahunga footpath topsoiling                          | Kylie, ready for landscaping   |                          |                         |
|                                       |                         | Mangere bridge south abutment works                  |  |                          |                         |
|                                       |                         | Southern abutment keystone wall and associated works |  |                          |                         |
|                                       |                         | Barrier Prep North Median                            |  |                          |                         |
| <b>Andrew Hutene</b>                  | <b>Northern Section</b> | Median Drainage Queenstown                           |  |                          |                         |
|                                       | <b>Southern Section</b> | Southern Drainage Crazeing                           |  |                          |                         |
|                                       |                         | Rimu Drainage  |  |                          |                         |
|                                       |                         |  |  |                          |                         |
|                                       |                         |  |  |                          |                         |
| <b>Peter Fardlex</b>                  | <b>Southern Section</b> | Water Main crazing                                   | Water Main crazing   |                          |                         |
|                                       |                         | Tararata Drainage                                    | Tararata Drainage  |                          |                         |
|                                       | <b>Northern Section</b> | SF North Abutment                                    |  |                          |                         |
|                                       |                         | Drainage Snaggr                                      |  |                          |                         |





## MHX MW Team - Percent of Planned Activities Completed (All Groups)





## Reasons for Not Completing WWP Task - Total to Date

