

Memorial Park Construction

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The project to construct the Buckle Street Underpass and the Memorial Park is one large project involving four phases.

The project of putting the road underground and making the park has four phases.

The work to construct both the tunnel and the park must be completed by [Anzac](#) [3] Day 2015.

Four Phases of Construction

The Memorial Park project can be broken into four phases of work. These include:

Phase one - site preparation (Late 2012 - early 2013)

The engineers prepare the designs and plan the construction for the tunnel and the road. The main road in Buckle Street is moved to a temporary position close to Mount Cook School so work can begin. Underground water, gas, telecommunications and electricity pipes are also moved out of the way.

Phase two - dig the trench (Early 2013 - late 2013)

The road workers dig out the soil and build [retaining walls](#) [4] for the 300m long trench where the tunnel and the road will go. At its deepest point, the trench is 12m at the sides for drainage and 10m through the middle.

Phase three - construct the tunnel (Late 2013 - late 2014)

The tunnel floor, walls and roof are constructed and a new road built to run from the Basin Reserve to Taranaki Street.

Phase four - build the park (Late 2014 - [ANZAC](#) [5] Day 2015)

The final part of the project is to make the park look like it does in the drawings with the terraces covered in grass and trees, pathways and seats, and the paved Ceremonial [Plaza](#) [6] in front of the National War Memorial.

The work to construct both the tunnel and the park must be completed by [Anzac](#) [3] Day 2015.

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Four Phases of Construction

The Memorial Park project can be broken into four phases of work. These include:

1. Phase one - site preparation (late 2012 - early 2013)
 - The engineers prepare a plan for the tunnel and the road
 - The main road in Buckle Street is moved to a temporary position
 - Underground water, gas, telecommunications and electricity pipes are moved out of the way.
2. Phase two - dig the trench (early 2013 - late 2013)
 - Road workers dig out the soil and build retaining walls for the trench where the tunnel will go
 - At its deepest point, the trench is 12m at the sides for drainage and 10m through the middle.
3. Phase three - construct the tunnel (late 2013 - late 2014)
 - The tunnel floor, walls and roof are constructed
 - A new road is built to run from the Basin Reserve to Taranaki Street.
4. Phase four - build the park (late 2014 - ANZAC Day 2015)
 - Create terraces covered in grass and trees, pathways and seats
 - Build the paved Ceremonial [Plaza](#) [6] in front of the National War Memorial.

Māori keywords:

hanga [7]	to make or build
anaroa [8]	tunnel
maioro kerī [9]	trench
whakarite [10]	preparation
rori [11]	road
huke [12]	dig, excavate

Audio Māori keywords:

- [hanga - to make or build](#) [13]
- [anaroa - tunnel](#) [14]
- [maioro kerī - trench](#) [15]
- [whakarite - preparation](#) [16]
- [rori - road](#) [17]
- [huke - dig, excavate](#) [18]

Samoan keywords:

fa'atino, fai po'o fau	to make or build
auala lalo ole laupapa	tunnel
ana	trench
tapenaga	preparation
auala	road

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eli	dig, excavate
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Tongan keywords:

langa	to make or build
tafu	tunnel
luo	trench
teuteu	preparation
hala	road
keli	dig, excavate

Cook Islands Maori keywords:

anga	to make or build
tāana	tunnel
vaarua	trench
ma'ani	preparation
ara	road
keri	dig, excavate

Niuean keywords:

talaga	to make or build
hala he lalo kelekele	tunnel
luo	trench
olafolaaga, amaamanakiaga	preparation
puhala-tu	road
keli	dig, excavate

Find out what has been happening on the Memorial Park construction site by watching the [YouTube Memorial Park Alliance videos](#) [19].

Look at the [YouTube Memorial Park Alliance videos](#) [19]. What has happened on the construction site recently?



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Before construction of the tunnel for Buckle Street could begin the site needed to be prepared and a temporary road created to divert Buckle Street traffic. Image: NZTA.



[21]

Underground water, gas, telecommunication and electricity lines needed to be moved before excavation could begin. Image: NZTA.



[22]

New cables being placed in ducts away from site works. Image: NZTA.

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[23]

Timber retaining walls are being constructed to support the trench walls alongside what will be the access to the tunnel. Image: NZTA.

Source URL:

<http://www.learnz.org.nz/memorialpark134/memorial-park-construction>

Links

- [1] <http://www.learnz.org.nz/sites/learnz.org.nz/files/memorial-park-construction.mp3?uuid=5f6dc619240c7>
- [2] <http://www.learnz.org.nz/sites/learnz.org.nz/files/memorial-park-construction-easy.mp3?uuid=5f6dc61923a99>
- [3] <http://www.learnz.org.nz/memorialpark134/glossary#anzac>
- [4] <http://www.learnz.org.nz/memorialpark134/glossary#retainingwall>
- [5] <http://www.learnz.org.nz/memorialpark/glossary#anzac>
- [6] <http://www.learnz.org.nz/memorialpark134/glossary#plaza>
- [7] <http://www.learnz.org.nz/sites/learnz.org.nz/files/Field%20trips/memorialpark134/hanga.mp3>
- [8] <http://www.learnz.org.nz/sites/learnz.org.nz/files/Field%20trips/memorialpark134/anarua.mp3>
- [9] <http://www.learnz.org.nz/sites/learnz.org.nz/files/Field%20trips/memorialpark134/maioro-keri.mp3>
- [10] <http://www.learnz.org.nz/sites/learnz.org.nz/files/Field%20trips/memorialpark134/whakarite.mp3>
- [11] http://www.learnz.org.nz/sites/learnz.org.nz/files/Field%20trips/memorialpark134/rori_0.mp3
- [12] <http://www.learnz.org.nz/sites/learnz.org.nz/files/Field%20trips/memorialpark134/huke.mp3>
- [13] http://www.learnz.org.nz/sites/learnz.org.nz/files/hanga_2.mp3?uuid=5f6dc61924225
- [14] http://www.learnz.org.nz/sites/learnz.org.nz/files/anarua_1.mp3?uuid=5f6dc6192432e
- [15] http://www.learnz.org.nz/sites/learnz.org.nz/files/maioro-keri_0.mp3?uuid=5f6dc61924429

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[16] <http://www.learnz.org.nz/sites/learnz.org.nz/files/whakarite.mp3?uuid=5f6dc61924520>

[17]

http://www.learnz.org.nz/sites/learnz.org.nz/files/rori_2.mp3?uuid=5f6dc61924614

[18]

http://www.learnz.org.nz/sites/learnz.org.nz/files/huke_1.mp3?uuid=5f6dc61924707

[19] <http://www.youtube.com/user/memorialparkalliance>

[20] <http://www.learnz.org.nz/sites/learnz.org.nz/files/b-mp134-01-site-prep.jpg>

[21] <http://www.learnz.org.nz/sites/learnz.org.nz/files/b-mp134-02-old-pipes.jpg>

[22] <http://www.learnz.org.nz/sites/learnz.org.nz/files/b-mp134-03-new-pipes.jpg>

[23] <http://www.learnz.org.nz/sites/learnz.org.nz/files/b-mp134-04-trench.jpg>