



CITY OF PARRAMATTA COUNCIL

Traffic Engineering Advisory Group Agenda Item

ITEM NO:	2302 B1
SUBJECT:	Hill Road, Wentworth Point – Update on the proposed improvements on Hill Road
APPLICANT:	City of Parramatta Council
REPORT OF:	Traffic and Transport Investigations Engineer
WARD:	Rosehill
SED:	Auburn

Purpose

The purpose of this report is to provide an update to Council regarding the proposed improvements on Hill Road, Wentworth Point.

OFFICER'S RECOMMENDATION:

That Council note the updates regarding the proposed improvements on Hill Road, Wentworth Point.

Background

Council, at its meeting held on 14 March 2022 considered a report regarding Hill Road and resolved:

- 1. That a monthly update be provided to Ward Councillors regarding the status of the Federal Funding application under its Stimulus Program.*
- 2. That should the outcomes of the Federal Funding be unsuccessful or not received by end of July 2022, that Council will endeavour to secure alternative funding for the traffic signal upgrade at Hill Road and Bennelong Parkway, to ensure these works are completed in the 2022/23 financial year.*
- 3. That Council continue to contact the developer advising of Council's resolution calling for the urgent construction of the planned roundabout and street crossing at the corner of Hill Road and Burroway Road.*
- 4. Further, that updates on both projects referred to in this report be provided to each meeting of the Parramatta Traffic Committee and included in the minutes reported to Council until the projects are complete.*

In addition, an email from Councillor Noack was received on 5 April 2022 requesting the following items also be included within each TEAG agenda:

- 1. As per Council resolution a report on the work being done on the traffic lights at the corner of Bennelong Parkway and Hill Road*
- 2. As per Council resolution a report on work being done on the roundabout and pedestrian crossing at Hill Road and Burroway Road*

3. *Update on lighting on Hill Road. This is the change to LED lightning*
4. *Update on drainage for Hill Road*
5. *Haslams Creek Bridge Update on Bennelong Road*
6. *Crossing from Wentworth Common across Bennelong Road*

Proposed Traffic Signals at Bennelong Parkway Intersection

Council at its meeting on 5 December 2022 approved the tender for the appointment of the contractor for the installation of the Traffic Control Signals at the intersection of Hill Road and Bennelong Parkway, Wentworth Point.

In order to keep the community informed about the project, a dedicated webpage has been created which provides updates on the project. 'What's Happening Here' corflute signs have been installed around the site which have a QR Code link to this page. The page can be accessed through the below link:

<https://www.cityofparramatta.nsw.gov.au/vision/precinct-planning/installation-of-traffic-and-pedestrian-signals-at-wentworth-point>

In addition, Council has sent a letter to the members of the community who responded to a recent survey to provide an update on the status of the project

The next steps for the project are for the contractor to provide the Construction Program which is to be approved by TfNSW. The below summarises the future steps required for the installation of the traffic signals:

1. Construction and scheduling of sub-contractors – the preferred contractor will provide an appropriately resourced construction methodology. This and the duration of the construction forms part of the assessment of the tender submissions and are duly considered and weighted. Construction schedules may be impacted by the need to do work on weekends or outside peak periods.
2. Construction of the traffic signals and associated civil works to commence on-site in February 2023. It is to be noted that although Council has been proactive in the upfront design and management of the affected utilities, further approvals by various utility authorities at various stages of work may still be required which could take several months to check and approve based on recent experiences. Accordingly, delays and contingencies need to be factored in.
3. Completion of works scheduled for June 2023 including TfNSW approvals and asset handover of the traffic signals

Federal Election Commitments

As part of a Federal Election promise, the Federal Government has committed \$8.5 million for the upgrade of Hill Road, Wentworth Point. It is envisaged that these funds will be utilised to implement various components of the Hill Road Masterplan which include but are not limited to the following:

1. Lighting upgrades in Hill Road
2. Stormwater Drainage Works
3. Embellishment of pathways and pedestrian facilities

It is to be noted that Council has not yet been provided with this funding and Council officers are currently following up on the progress and the next steps in obtaining the funds.

Pedestrian Refuge Island in Hill Road at Half Street

Council has previously approved the concept design of a pedestrian refuge island in Hill Road, Wentworth Point immediately north of Half Street as shown in Figure 1 below (ref. PTC 2202 A4). To progress the design further, Council is investigating lighting, drainage and construction materials. A preliminary cost estimate is being prepared.

It is noted that the proposed works are not currently funded, however, Council will consider potential source of funds which may include the Federal Election commitments for the upgrade of Hill Road, or Westinvest, or through the Development Contributions Plan (outside of the Parramatta City Centre) for the 2023/24 financial year.

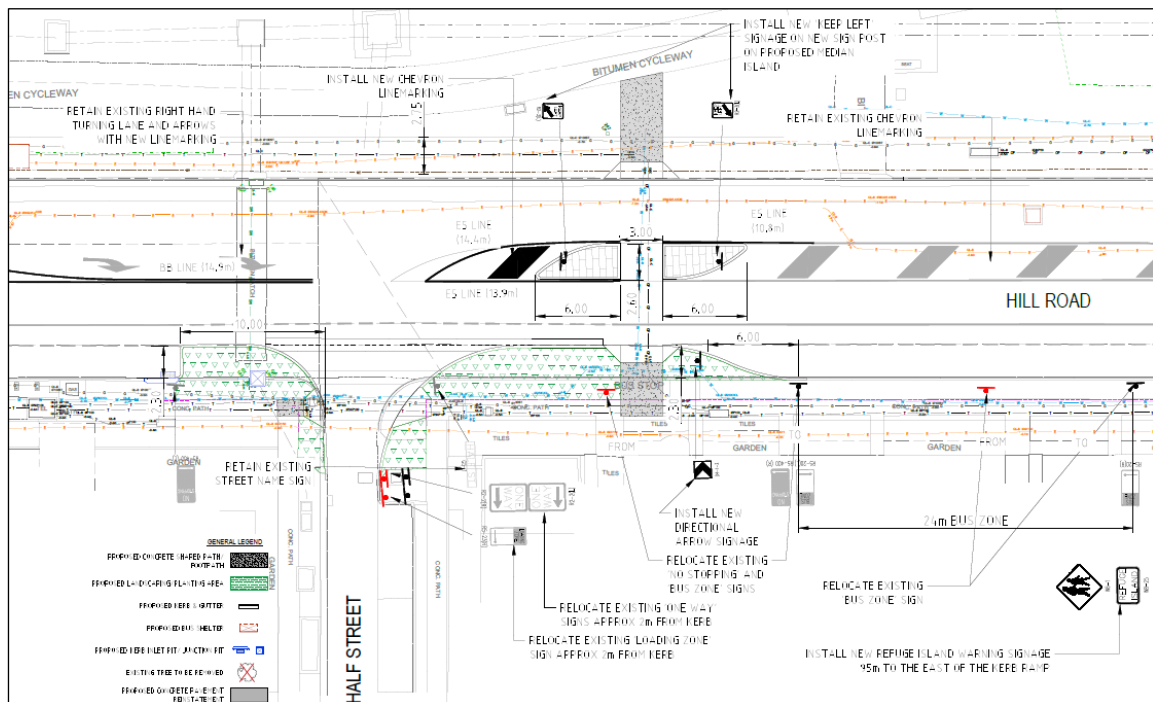


Figure 1: A concept plan of a proposed pedestrian refuge island in Hill Road, Wentworth Point immediately north of Half Street

Proposed roundabout and pedestrian crossing at Burroway Road intersection

Council staff and the developer, Sekisui House, held a meeting late last year regarding the scope of works for the roundabout treatment (including pavement and drainage requirements). Council is now awaiting revised plans to be submitted for review and approval.

Council staff have reached out to the developer to ascertain a timeframe for when the roundabout will be constructed, however, they have declined to provide this information at this stage. It is noted that the roundabout must be constructed prior to the occupation of the next stage of their development.

Proposed pedestrian and cyclist bridge at Haslams Creek on Bennelong Parkway and Pedestrian refuge island in Bennelong Parkway at Wentworth Commons

The detailed design for the pedestrian and cyclist bridge over Haslams Creek has been appointed to BECA which includes the design of connecting cycleway and requires SOPA

(Sydney Olympic Park Authority) approval and a refuge island south of existing road bridge at Wentworth Commons. Works include extensive investigations into existing utilities and ecological review which BECA are currently negotiating with relevant parties. Once detailed design is adequate for community feedback, which is anticipated for first half of 2023, it will be reported to council for public exhibition. Subject to the results of consultation and the Council report, Council would seek external grant funding for construction in the 2023/24 financial year.

Drainage upgrades for Hill Road

The Technical Civil Works Design Brief of the Stormwater Masterplan for Hill Road has now been completed. Council staff are currently investigating funding opportunities in order to engage a consultant to undertake the study for the drainage masterplan. Potential sources of funds include the Federal Election commitments for the upgrade of Hill Road.

Lighting upgrades for Hill Road

Council is currently working with Ausgrid, SOPA and electrical contractor to find a solution to handover of the street lighting assets in Hill Road which were never formally handed over to Ausgrid by Auburn Council at that time. It is noted that the light poles and lamps do not currently meet Ausgrid's requirements and therefore need to be upgraded before Ausgrid can accept them as their assets.

Currently, there are no Council funds allocated in completing the required upgrade works, however, it is noted that Council plans to utilise parts of the \$8.5 million Federal Election commitments for the upgrade of Hill Road as a source of funds to upgrade lighting once the funds are made available.

FINANCIAL IMPLICATIONS

This report only provides an update on the proposed traffic improvements and other proposed works on Hill Road and Bennelong Parkway, Wentworth Point and Sydney Olympic Park. Therefore, this matter has no financial impact upon Council's budget.



Behzad Saleh
Traffic and Transport Investigations Engineer

27/01/2023



CITY OF PARRAMATTA COUNCIL

Traffic Engineering Advisory Group Agenda Item

ITEM NO:	2302 B2
SUBJECT:	Projects Recently Completed, Projects Currently Funded and Projects Lists for Consideration of Future Funding
APPLICANT:	City of Parramatta Council
REPORT OF:	Traffic and Transport Investigations Engineer
WARD:	All
SED:	All

Purpose

This report provides information on traffic and pedestrian projects recently completed or currently funded and projects lists that City of Parramatta Council maintains for budget planning purposes.

OFFICER'S RECOMMENDATION:

1. That the information regarding progress on 2022/23 funded projects be received and noted.
2. That the Projects Lists for proposed traffic works be received and noted.
3. That Council note that no traffic projects have been completed since the last TEAG meeting.

Projects to be undertaken in 2022/23

Information regarding the progress on currently funded projects is provided at the start of the attachment to this report.

Future Projects

Traffic projects that are to be considered for future funding are categorised into one of four lists as detailed below:

- *Development Contributions Plan List - outside the Parramatta City Centre*

Council adopted this list on 12 July 2021 as part of the City of Parramatta (Outside Parramatta CBD) Contributions Plan 2021 (refer to Tables 37 and 38 of the Plan via the link <https://cityofparramatta.co/3HaPxLw>). This list is prioritised into three categories; high (5 years), medium (5-10 years) and low (10-20 years). This work is proposed to be funded from Development Contributions, unless grant funding, a Voluntary Planning Agreement, or other source of funding is obtained.

The Development Contributions Plan is reviewed and set approximately every 5 years. Therefore, the lists shown in Tables 37 and 38 of the City of Parramatta (Outside Parramatta

CBD) Contributions Plan 2021 would also be set and fixed every 5 years (approximately) at the same time the Development Contributions Plan is approved by Council.

These projects have a range of purposes such as improving pedestrian safety and amenity; improving sight distance (or reducing speed where sight distance is limited); upgrading an existing facility; reducing congestion; guard rail or barriers; and reducing illegal or unsafe driving. The list includes projects that would be on the Black Spot list except they have a low Benefit Cost Ratio and would not attract grant funds.

- *Traffic Projects List – within the Parramatta City Centre*

This list includes projects that are located within the Parramatta City Centre. These projects will generally be funded from the Parramatta City Centre Developer Contributions Plan (known as Civic Improvement Plan, CIP), unless otherwise noted.

- *Black Spot Projects List*

This list is for the projects where funding is being or is proposed to be sought, from the State or Federal Government under their Black Spot and Safer Roads Programs.

The Black Spot locations generally have a high number of collisions, and the proposed work is forecast to have a significant reduction on accidents. Projects under Black Spot Program are ranked on Benefit Cost Ratio (BCR); whereas projects under Safer Roads Programs are ranked on Safety Performance Indicator (SPI). The individual funding programs also have different criteria regarding the number of accidents with injuries that have occurred. At present, a minimum of 2 injury accidents over a 5-year period is generally required for a project to be eligible for funding.

- *List of Traffic Projects Supported by Community Petition*

This list includes locations where Council has received requests from at least 50% of households within the street for traffic calming to be installed in the street or part of the street. This support can be in the form of a petition or letters. Meeting this requirement demonstrates that the local community wants this treatment in the street. These streets often do not have a specific hazard, crash history, or concentration of vulnerable road users such as pedestrians. Often, in streets not on the list, many residents do not support traffic calming and have concerns regarding the installation of traffic calming, particularly in regard to perceptions of noise, loss of parking, and prioritisation of funds.

Development Contribution Funds are not suitable for these projects as these projects are not related to supporting growth in the area. These projects are generally unfunded.

FINANCIAL IMPLICATIONS:

Council's Traffic and Transport Services maintains four (4) projects lists with the funding options as detailed below:

- Development Contributions Plan list - outside the Parramatta City Centre:

These projects have been grouped into 3 categories of priority (high, medium, and long term). It is proposed to deliver the high priority projects from 2021/22 to 2025/26 using Development Contributions fund for part, or all projects.

Applications are also lodged for State and Federal Government funding for projects that would meet the requirements of funding applications at the time of lodgment. Applications are generally lodged between August and October each year for consideration under these programs.

- Traffic Projects List – within the Parramatta City Centre:

These projects will generally be funded from the Parramatta City Centre Section 7.11 Contribution Plan (known as Civic Improvement Plan, CIP), unless otherwise noted.

- Black Spot Projects List:

These projects will generally be funded from the State or Federal Government under their Blackspot and Safer Roads Programs. Applications are lodged between August and October each year for consideration under these programs.

- List of Traffic Projects Supported by Community Petition:

These projects could be funded from General Revenue. Councillors may wish to use part of the ward initiatives budget to deliver these projects.

Approved External Funding for the 2022/23 Projects is detailed below:

- Council has received a 100% funding offer totaling \$454,000 under the FY22/23 Australian Government Black Spot Program for four (4) traffic projects. Refer to 'Blackspot Projects List' section of the attachment for details.
- Council has received a 100% funding offer under the State Government's FY22/23 Get NSW Active program for the construction of the following traffic facility projects:
 - Avenue of Oceania at Louise Sauvage Pathway, Newington - \$240,000 for the construction of a combined pedestrian and cyclists crossing
 - M4 Cycleway at Good Street and Alfred Street, Granville - \$600,000 for the construction of two combined pedestrian and cyclist crossings
 - Orchard Road at Plympton Road, Carlingford - \$250,000 for the construction of a raised pedestrian crossing
 - Alamein Avenue, Carlingford - \$240,000 for the construction of a raised pedestrian crossing
 - Victoria Street at Bridge Street, Epping - \$250,000 for the construction of a combined raised pedestrian and cyclists crossing
 - John Ian Wing Parade, Sydney Olympic Park - \$240,000 for the construction of a combined raised pedestrian and cyclists crossing

Internal Funding

- Council's Draft Delivery Program and Operational Plan generally allocates funding of \$1.5 million per year for the Active Transport Program over four financial years (2020/21 – 2023/24) for the delivery of traffic projects using Development Contributions Funds. Due to the recent grant funding offers received from Get NSW Active and the capacity to deliver projects in short time frames, the amount from Active Transport Funding is to be reduced in 2022/23 with the only likely project being the pedestrian refuge island in Park Parade near the Parramatta Aquatic Centre.
- Council at its meeting on 5 December 2022 approved the tender for the appointment of the preferred proponent for the installation of the Traffic Control Signals and associated works at the intersection of Hill Road and Bennelong Parkway, Wentworth Point.

Construction works are on track to commence in February 2023 with the completion of the works to be in June 2023. This project has funding available as part of Council's Delivery Program and Operational Plan which includes \$3.85 million allocated specifically for the upgrade of the Hill Road and Bennelong Parkway intersection in the 2022/23 financial year and \$1.5 million from the 2022/23 Active Transport Program.



Behzad Saleh
Traffic and Transport Investigations Engineer
27/01/2023

Attachments - Project Lists

Projects for completion in 2022/23

Location	Treatment Type	Estimated Cost	Comments
Ward: Epping; SED: Epping			
Alamein Avenue west of Bardia Road, Carlingford	Construction of a new raised pedestrian crossing	\$240,000	This project is approved by Council on 14 March 2022. This project has received 100% from the State Government's Get NSW Active program.
Carlingford Road at Hepburn Avenue, Carlingford	Design and cost estimate for new traffic signals.	\$70,000	Traffic Control Signal (TCS) plan has been submitted to TfNSW for review and approval. This is a 2019/20 project and 100% funded by Council. Funding application has been lodged to TfNSW under Federal Government's Stimulus Program.
Orchard Road north of North Rocks Road and Plympton Road, Beecroft	Construction of a new raised pedestrian crossing	\$250,000	This project is approved by Council on 14 March 2022. This project has received 100% from the State Government's Get NSW Active program.
Victoria Street, Epping	Construction of a combined raised pedestrian and cyclist crossing	\$250,000	This project is approved by Council on 14 March 2022. This project has received 100% from the State Government's Get NSW Active program.
Ward: North Rocks; SED: Seven Hills			
Intersection of Caroline Chisholm Drive and Hillcrest Avenue, Winston Hills	Install speed cushions at all approaches to the roundabout	\$16,000	This project is 100% funded by the 2022/23 Australian Government Black Spot Program
Ward: Parramatta; SED: Parramatta			
Barrack Lane, Parramatta	Shared Zone for entire length	\$1,250,000	Funded for construction in 2022/23
Ward: Parramatta; SED: Seven Hills			
Fitzwilliam Road at Binalong Road and Reynolds Street, Old Toongabbie (Toongabbie Public School)	Install missing kerb ramps on the west leg and upgrade existing kerb ramps to current standards and install of channelised right turn treatment for motorists exiting Reynolds Street	\$1,000,000	Construction was delayed due to the traffic signal plan approval which was provided by TfNSW on the 9 June 2022. Construction works started on the 20 June 2022. The work is anticipated to be completed in December 2022. This project is 100% funded by Federal Government under its Stimulus Commitments on Road Safety Program (School Zone Infrastructure).
Intersection of Bulli Road and Binalong Road, Toongabbie	Install speed cushions at all approaches to the roundabout	\$16,000	This project is 100% funded by the 2022/23 Australian Government Black Spot Program

Location	Treatment Type	Estimated Cost	Comments
Ward: Rosehill; SED: Granville			
Parramatta Road at Marsh Street, Clyde	Construction of pedestrian/cyclist legs on existing signals at Parramatta Road-Marsh Street along with connecting shared paths along Parramatta Road between M4 Cycleway/Duck River/Parkline	\$1,039,222	Construction has commenced and the expected date of completion is 22 October 2022. This project is 100% funded by NSW Government's Active Transport Program for its construction in 2020/21.
Ward: Rosehill; SED: Parramatta			
Asquith Street, Stubbs Street and Beaconsfield Street, Silverwater	<ul style="list-style-type: none"> • Install speed cushions, median islands and kerb blister islands in Asquith Street at Stubbs Street and at Melton Street N and • Install speed cushions at all approaches to the roundabout at the intersection of Stubbs Street and Beaconsfield Street 	\$160,000	This project is 100% funded by the 2022/23 Australian Government Black Spot Program
Park Parade south side of railway line at pedestrian underpass to Parramatta Park, Westmead	(Design Only) Installation of a pedestrian refuge with kerb extension and pedestrian fencing	\$37,500	Civil design is nearing completion. The design is 100% funded by Council through its 2021/22 Active Transport Program (from Parramatta CBD Development Contributions Plan 2007). There is currently no funding available for construction of this project. However, a funding application has been lodged to TfNSW under Federal Government's Stimulus Program and State Government's Active Transport Program.
Intersection of High Street at Raymond Street, Parramatta	Install a raised pedestrian crossing in High St (north leg) and speed cushions at other 3 legs.	\$262,000	This project is 100% funded by the 2022/23 Australian Government Black Spot Program.
Ward: Rosehill; SED: Auburn			
Avenue of Oceania at Louise Sauvage Pathway, Newington	Construction of combined raised pedestrian and cyclist crossing	Design: \$18,000 2021/22 project Construction \$240,000 2021/22	Civil design has been completed. Construction is 100% funded under the FY22/23 Get NSW Active program.
Hill Road at Bennelong Parkway, Wentworth Point	Construction of new Traffic Signals	tba as part of the tender approval process	TfNSW have now approved the TCS design, and the detailed design has been approved through the PTC process (Ref PTC 2209 A4). Construction of the facility is scheduled to commence in February 2023 with the anticipated completion date being June 2023.

Location	Treatment Type	Estimated Cost	Comments
Newington Retail Precinct	Install a 40 km/h High Pedestrian Activity Area restrictions with traffic calming	\$100,000	Installation of speed cushions is COMPLETE It is to be noted that TfNSW will install signs and pavement markings for the installation of 40km/ph HPAA restriction. This project is funded by Federal Government's Black Spot Program.

Parramatta City Centre Traffic Projects List

Location	Treatment Type	Estimated Cost	Comments
Argyle Street at Church Street, Parramatta	Upgrade Kerb Ramps at existing Traffic Control Signals (TCS) to current standards	\$750,000	
Argyle Street at Marsden Street, Parramatta	Upgrade Kerb Ramps at existing Traffic Control Signals (TCS) to current standards	\$750,000	
Barrack Lane, Parramatta	Shared Zone for entire length	\$1,250,000	Funded for construction in 2022/23
Charles Street at Union Street, Parramatta	Install a pedestrian refuge island	\$250,000	
City Ring Road	All other proposals that are part of the City Ring Road and not listed in this list.	TBA	Implementation of various projects along the route are currently being investigated.
George Street at Freemason Arms Lane and Phillip Street at Andrew Nash Lane, Parramatta	Install continuous footpath	\$1,000,000	Application has been lodged for NSW Government funding under its Active Transport Program
Macquarie Street at Marsden Street, Parramatta	TCS upgrades - Upgrade Kerb Ramps at existing traffic signals to current standards	N/A	To be reviewed following Parramatta Light Rail works.
O'Connell Street at Hunter Street, Parramatta	Upgrade Kerb Ramps at the existing Traffic Control Signals (TCS)	\$950,000	

Location	Treatment Type	Estimated Cost	Comments
Parkes Street at Wigram Street and at Harris Street, Parramatta	Installation of dedicated eastbound left turn lane at Harris Street; eastbound right turn bay at Wigram Street; and a dual right turn from Harris Street (southbound) into Parkes Street	\$200,000 2019/20 & 2020/21	Design to determine concept plan and land reservation details has been completed.
Union Street at Charles Street, Parramatta	Install a Pedestrian Refuge Island	\$250,000	
Park Parade, Parramatta at Pedestrian tunnel near Domain creek)	Install a Pedestrian refuge with kerb extension and pedestrian fence (drainage works are needed at the tunnel as part of this project)	\$500,000	<p>The design is 100% funded by Council through its 2021/22 Active Transport Program (from Parramatta CBD Development Contributions Plan 2007). There is currently no funding available for construction of this project. However, funding application has been lodged to TfNSW under Federal Government's Stimulus Program and State Government's Active Transport Program for construction in 2022/23.</p> <p>A report proposing the installation of a pedestrian refuge with kerb extension and pedestrian fencing was considered in the 25 May 2022 PTC meeting and adopted by Council on 27 June 2022.</p>

Black Spot Projects List

BCR	Location	Treatment Type	Estimated Cost	Injury Accidents (over 5-year Period) that can be treated by the treatment	Funding Status	Comments
20.3	Intersection of Caroline Chisholm Drive and Hillcrest Avenue, Winston Hills	Install speed cushions at all approaches to the roundabout	\$16,000	4	Funded	Funded under 2022/23 Australian Government Black Spot Program
8.03	Intersection of Bulli Road and Binalong Road, Toongabbie	Install speed cushions at all approaches to the roundabout	\$16,000	2	Funded	Funded under 2022/23 Australian Government Black Spot Program
6.18	Derby St at Wetherill Street North, Silverwater	Install speed cushions in Derby Street at both approaches to Wetherill St North	\$16,000	1	Not yet funded	Applied for funding under Federal and State Governments' Black Spot Programs in 2022/23
5.87	Asquith Street, Stubbs Street and Beaconsfield Street, Silverwater	<ul style="list-style-type: none"> • Install speed cushions, median islands and kerb blister islands in Asquith Street at Stubbs Street and at Melton Street N and • Install speed cushions at all approaches to the roundabout at the intersection of Stubbs Street and Beaconsfield Street 	\$160,000	5	Funded	Funded under 2022/23 Australian Government Black Spot Program
5.52	Redbank Road at Balmoral Road, Northmead	Install 4 speed cushions (concrete) at north and southbound approaches to the intersection	\$68,000	8	Not yet funded	Applied for funding under Federal Stimulus Program in 2022/23
3.37	Intersection of High Street at Raymond Street, Parramatta	<u>Option 1</u> : Install a raised pedestrian crossing in High St (north leg) and speed cushions at other 3 legs.	\$262,000	4	Funded (Option 1)	Option 1 Funded under 2022/23 Australian Government Black Spot Program

BCR	Location	Treatment Type	Estimated Cost	Injury Accidents (over 5-year Period) that can be treated by the treatment	Funding Status	Comments
2.38		Option 2: Install a raised pedestrian crossing at the northern leg, speed cushion at the southern leg and raised thresholds at the eastern and western legs of the intersection.	\$375,000			
2.31	Carnarvon St at Melton St North, Silverwater	Install a chicane	\$215,000	3	Not yet funded	Applied for funding under Federal and State Governments' Black Spot Programs in 2022/23
1.82	Intersection of Ballandella Road and Burrabogee Road, Toongabbie	Install a roundabout	\$469,000	2	Not yet funded	Applied for funding under Federal Stimulus Program in 2022/23
1.58	Intersection of Melton Street North and Beaconsfield Road, Silverwater	Install a roundabout	\$539,760	2	Not yet funded	Applied for funding under Federal Stimulus Program in 2022/23
1.32	Intersection of Bulli Road at Bungaree Road, Toongabbie	Install a roundabout	\$645,000	2	Not yet funded	Applied for funding under Federal Stimulus Program in 2022/23
0.96	Loyalty Road and North Rocks Road, North Rocks	Install a roundabout	\$790,840	3	Not yet funded	Applied for funding under Federal Stimulus Program in 2022/23
0.63	Gladstone Street at Brickfield Street and at Buller Street, North Parramatta	Install two roundabouts	\$900,000	3	Not yet funded	Applied for funding under Federal Stimulus Program in 2022/23
Supported by Road Safety Audit	Intersection of Wentworth Street and Martha Street, Clyde	Install street lighting under the M4 bridge and raised thresholds in Marta St on both approaches to Wentworth Street	Design: \$20,000 Construction: \$544,000	N/A	Not yet funded	Applied for funding under Federal Stimulus Program for design in 2021/22 and construction in 2022/23.

BCR	Location	Treatment Type	Estimated Cost	Injury Accidents (over 5-year Period) that can be treated by the treatment	Funding Status	Comments
--	Bold Street south of Cowper Street, Granville Ward: Rosehill SED: Granville	Install a raised threshold	\$180,000	4	Not yet funded	<p>Liaising with TfNSW to determine the appropriate treatment options for this location.</p> <p>Reviewed the crash history and noted that the appropriate treatments cannot be installed at the intersection due to following reasons:</p> <ul style="list-style-type: none"> • Close proximity to two traffic signals (at Parramatta Road and at Railway Parade) • Required to maintain 3 travel lanes (including a bus lane) in the northbound and 2 travel lanes in the southbound directions. • Required to maintain right turn access between Bold Street and Cowper Street (west leg)

Traffic Projects supported by Community Petition

Location	SED	Proposed Treatment	Year Included on List	Estimated Cost
Ward: Epping;				
Lexington Avenue at Raimonde Road, Eastwood	Epping	Concrete median islands	2014	\$20,000
George Street, Epping	Epping	Chicanes (2)	2020	\$90,000
Ward: Parramatta				
Ballandella Road between Fitzwilliam Road and Barangaroo Road, Toongabbie	Seven Hills	Raised Thresholds or Chicanes (2)	2015	\$150,000
Frances Street, Northmead	Seven Hills	Speed humps (3) or chicanes (2)	2021	\$90,000
Harris Street, Constitution Hill	Seven Hills	Speed Humps (3)	2015	\$20,000
Ward: North Rocks				
Barnetts Road, Winston Hills	Seven Hills	Chicanes	2011	\$900,000
Ward: Rosehill				
Alice Street between Alfred and Arthur Streets	Parramatta	Speed Humps (2)	2020	\$17,500
Deakin Street, Silverwater (between Stubbs Street and the cul-de-sac)	Auburn	Speed Humps	2018	\$20,000