







CP04

Section 94 Plan

No. 4 - Tweed Road Contribution Plan

Version 5.2 December 2009



CERTIFICATION:

This *Tweed Road Contribution Plan (CP No 4 - Version 5.2)* was adopted by Tweed Shire Council on 15 December 2009 and became effective on 23 December 2009.

Pursuant to Clauses 31 and 32 of the Environmental Planning and Assessment Regulation 2000, the following contribution plans are repealed by the approval of this Tweed Road Contribution Plan (being a subsequent plan):

- Tweed Road Contribution Plan (CP No 4 Version 4.1)
- Tweed Road Contribution Plan (CP No 4 Version 4.2)
- Tweed Road Contribution Plan (CP No 4 Version 4.3)
- Tweed Road Contribution Plan (CP No 4 Version 4.4)
- Tweed Road Contribution Plan (CP No 4 Version 4.5)
- Tweed Road Contribution Plan (CP No 4 Version 4.6)
- Tweed Road Contribution Plan (CP No 4 Version 4.8)
- Tweed Road Contribution Plan (CP No 4 Version 4.9)
- Tweed Road Contribution Plan (CP No 4 Version 5)
- Tweed Road Contribution Plan (CP No 4 Version 5.1)

Director Engineering & Operations

General Manager

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EXECUTIVE SUMMARY

This Contributions Plan enables Tweed Shire Council to levy s.94 developer contributions for the provision of additional road capacity to service increased traffic loading as a result of urban growth and/or development demands. It also permits Council to recoup past expenditures in the road network made in anticipation of development throughout the entire Tweed Shire.

According to the *Tweed 4/24 Strategic Plan 2004-2024* (Sept. 2004), the population on the Tweed could potentially reach 120,000 persons by 2024. Further, it has previously been estimated that the zoning provisions in the current *Local Environmental Plan 2000* could, ultimately, provide for a population of up to 150,000 persons. This latter figure represents almost a doubling in the Shire's current (2006) population of about 84,000 persons.

The new (2004) strategic plan states a requirement for all Contribution Plans to be reviewed and updated.

The traffic studies, which have shaped this Plan are the:-

- Banora Point and Tweed Road Development Strategy Review 2004.
- Murwillumbah Distributor Road Network Study (2005), and
- Tweed Road Development Strategy (1997)
- Lower Tweed and Pacific Highway Traffic Masterplan

Summary of Road Infrastructure Program

As a consequence of the past and projected development, and having regard to the level of road facilities currently available, it has and will be necessary to provide substantial additional road capacity.

The Plan identified 137 individual road improvement projects that either have been, or need to be, constructed to accommodate anticipated traffic volumes. (These projects exclude most of the roads and streets that developers will need to construct in order to specifically serve their own developments). The cost of the projects, that Council has or will need to fund, is \$303M as summarised below.

Table ES.1 – Road Infrastructure Program Costs					
		Works	Status		
Location	Capital Cost	Completed	Proposed		
TOTAL	\$305.1M	\$37.4M	\$267.7M		



EXECUTIVE SUMMARY (continued)

To date, some \$19M has been collected in developer contributions, compared with the \$37M already spent on works completed under the Plan. The fact that Council must carry the deficit, by completing works in advance of the anticipated development, has been anticipated and is part of the Plan's overall philosophy. By the same philosophy, Council can and will continue to levy contributions toward these and future completed works.

Summary of Contribution Rates

As in previous versions of this s.94 Plan, the proposed levies will comprise a Standard Contribution, plus a Local Area Contribution (if applicable). Local Area Contributions will be levied in 4 'local areas' of the Shire, so as to recover the full cost of selected road infrastructure projects required to specifically serve these areas. The Standard Contributions, which vary with locality across the Shire, will partially fund the balance of the road infrastructure works program.

This Plan proposes developer contributions based on land use, calculated in accordance with the traffic generating principles in Section 7. The contributions payable by a typical new household would be as follows:

Table ES.2 - TRCP Household Contributions

Sector	Locality	Total Trip End Contribution		Household Contribution (6.5 trip ends)	
Sector	Locality	Base Rate	Adjusted for IPD ⁽²⁾	Base Rate	Adjusted for IPD ⁽²⁾
1	Tweed Heads	\$596	\$656	\$3,877	\$4,264
2	Tweed Heads South	\$851	\$936	\$5,535	\$6,084
3	Cobaki	\$908	\$999	\$5,904	\$6,494
4	Bilambil Heights ⁽¹⁾	\$1,662	\$1,829	\$10,803	\$11,889
5	Terranora	\$1,388	\$1,527	\$9,023	\$9,926
3	LAC1: 'Area E'	\$1,891	\$2,081	\$12,292	\$13,527
6	Kingscliff	\$782	\$861	\$5,085	\$5,597
	Duranbah/Cabarita	\$868	\$955	\$5,644	\$6,208
7	LAC2: Kings Forest Development	\$1,228	\$1,351	\$7,985	\$8,782
	LAC4: Casuarina	\$1,012	\$1,114	\$6,579	\$7,241
	Pottsville ⁽¹⁾	\$1,022	\$1,125	\$6,647	\$7,313
8	LAC3: Koala Beach/Seabreeze ⁽¹⁾	\$1,105	\$1,216	\$7,182	\$7,904
9	Murwillumbah	\$1,060	\$1,166	\$6,893	\$7,579
10	Rural - Inner East	\$1,455	\$1,601	\$9,459	\$10,407
11	Burringbar	\$1,021	\$1,124	\$6,634	\$7,306
12a	Rural - Inner North	\$2,143	\$2,358	\$13,930	\$15,327
12b	Rural - Inner West	\$1,874	\$2,062	\$12,183	\$13,403
13	Rural - Other	\$2,150	\$2,366	\$13,978	\$15,379



EXECUTIVE SUMMARY (continued)

Notes

- (1) Subject to an **adjustment factor** as specified in Schedule 6.
- (2) Rates have been adjusted in line with the IPD on 1 July 2009 as specified in Section 9.2 of this contribution plan.

A contribution may also be required in relation to activities that generate heavy haulage (extractive materials) traffic (see Section 7.2). Heavy haulage has a source and destination, to avoid double dipping, the charge will be made on destination development.

Based on the contribution rates specified in this Plan and the extent and distribution of the anticipated future development, the Plan will recover 79% of the total (\$305M) cost of the road infrastructure program, as shown in Table ES-3, below. The balance of the cost of the road infrastructure program (\$64M) will be carried by Council and represents an investment in the 'spare capacity' of the road network that would exist, once the currently anticipated levels of development are achieved.

Table ES.3 – Road Infrastructure Cost Recovery					
Works Type	Value	Povonuo	Pocovory		
Works Type LAC Works	\$ 19.6M	<u>Revenue</u> \$ 19.6M	<u>Recovery</u> 100%		
Other Works	\$ 285.5M	\$ 222.0M	78%		
All Works	\$ 305.1M	\$ 241.6M	79%		

The contribution rates in the Plan will be amended on the 1st of July each year based on the IPD (Engineering Construction) as determined by the Australian Bureau of Statistics or a re run of the VLC model.

Council Policies

- A) Concessions: a concession is offered to all commercial job creating developments (not including detached housing and unit developments), across the Shire except in the following areas:
 - i) coastal development between Kingscliff and Bogangar (Sector 7): Casuarina, Kings Forest, Salt, and the 'Tourist Property' (Lot 490 DP 47021); and
 - ii) developments in Bilambil Heights and Cobaki.

The concession is not available for developments exploiting 'existing use rights' as defined in Clause 7.1, and nor can Local Area Contributions be discounted by the concession.

The offer by Council stands at forty percent (40%) and Council may review the concession on an annual basis at 1st July each year.

B) Deferred Payments:

Council accepts staged payment of commercial contributions: four equal payments over three years consisting of an initial payment and three

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EXECUTIVE SUMMARY (continued)

subsequent payments together with a bank guarantee as security, although other options that protect Council's interest may be acceptable.

C) Heavy Haulage (Extractive Material)

This contribution is applied to developments that receive extractive materials from heavy haulage vehicles using Council's road network. [If all or part of the material is obtained from a designated source, Council will waive the contribution requirement for that amount of material obtained from the designated source. A copy of the current list of designated sources may be obtained from Council.]

D) Eligible Business Enterprises

Eligible Business Enterprises may be excluded from the need to make TRCP payments. Eligible Business Enterprises are defined as retail, commercial and light industrial, change of use, activities to be established in rented premises with a gross floor area of less than 1,000m2. Professional chambers are included in the definition. Final determination of the eligibility of a business into this category will be at the discretion of the Director Development Services.



1. INTRODUCTION

1.1 Need for Plan

This Contribution Plan, known as the Tweed Road Contributions Plan (CP No 5), is a financial strategy for the provision of roads in the Tweed Shire to satisfy travel growth demands.

The timely and affordable provision of infrastructure requires extensive land use forecasts and financial planning. Contributions' plans coordinate both these aspects to provide a valuable project management tool, which transparently describes the developer pricing policies being adopted and the outcomes/services being sought/funded.

The Plan is also a requirement of the New South Wales EP&A Act (1979) and Regulation (2000) to enable the Council to require a contribution towards the provision, extension or augmentation of public amenities and services required as a consequence of growth.

1.2 Scope of Plan

This Plan undertakes to do the following:

- to ensure that an adequate level of public road infrastructure is provided throughout the Tweed Local Government Area;
- to enable the Council to recoup funds which it has spent in the provision of public facilities in anticipation of likely future development;
- to ensure that the existing community is not burdened by the provision of public roads required as a result of future development;
- to provide a comprehensive strategy for the assessment, collection, expenditure, accounting and review of development contributions on an equitable basis throughout the Tweed Shire; and
- to update Contribution Plan No 4 (Version 4.9) as a result of a review of road infrastructure requirements and their associated costs, and also to amend the Plan in respect of the boundaries used to define the sectors by which the Standard Contributions are determined. (NB. The underlying principles and methods of allocating the cost of the road infrastructure program to future development have not changed from those used in versions 4.0 to 4.9 of the Plan).



2. BACKGROUND

The Tweed Road Development Strategy (1997) was completed within the context of predicting traffic growth based on current and planned land zonings within the Shire.

The key documents and supporting studies, which underpin this update of Contributions Plan No.4, are the:

- Tweed 4/24 Strategic Plan 2004-2024 (2004)
- Tweed Local Environment Plan 2000
- Lower Tweed and Pacific Highway Traffic Masterplan

2.1 the Tweed 4/24 Strategic Plan 2004-2024 (2004)

The Tweed 4/24 Strategic Plan updates the previous Tweed 2000+ Strategic Plan, which had been in effect since December 1996. This strategic plan is the over-arching document of all of the Shire's planning instruments. It sets out broad directions and objectives, and proposes a package of more detailed plans, policies and actions that will be progressively implemented and updated in response to changing needs over the next 2 decades.

Some key elements of the strategy, relevant to the Shire's road infrastructure needs and hence this Plan, are:

- a Rural Settlement Strategy to guide rural subdivision and expansion of villages
- a new Land Use Structure Plan, providing detailed proposals for urban and rural land use.
- a new and broader Tweed Infrastructure Program, which will cover all major items of physical, social and environmental infrastructure, including State and Federal Government projects, and which minimises the cost to government of servicing new development.

2.2 the Tweed Local Environment Plan 2000

The TLEP 2000 is a statutory plan, consisting of a set of 45 Zone Maps, which divide the Shire into various land-use zones, and a written document, which sets out what development can be carried out within them.

The TLEP is a 'living document'. It was first gazetted in April 2000 and has since been the subject of 47 amendments, reflecting the outcomes of the Shire's own planning studies or of planning approvals, with the last revision being in October 2006.



3. LEVY AREAS

This Contribution Plan levies all traffic generating developments within the Tweed Shire local government area. A two-tier system is used to determine the overall TRCP contribution: Standard Contribution and a Local Area Contribution.

A contribution will be required from activities that generate heavy haulage traffic anywhere in the Shire.

3.1 Standard Contribution

In assessing the standard contribution, the Plan uses a differential pricing system based on 14 sectors (or localities) and the intended land use:

- Sectors the unit rate of contribution varies across the Shire depending on the value and amount of road space likely to be consumed by a unit of traffic (a trip-end) generated by a development located in that area. The 14 sectors defined for this purpose are shown in Figure 3.1 (in Schedule 3).
- Land Use differing land uses and development types generate differing traffic volumes or demands. The potential traffic generation of an intended development can be determined using the trip rate table in Table 7.1 (following on Page 16).

The Standard Contribution payable is determined from the product of the sectorbased unit rate and the estimated traffic generation of the development.

3.2 Local Area Contributions

Council administers, on behalf of land-owners/developers, the assignment or apportionment of responsibility for works in localised areas. These areas are listed in Table 3.1 and defined in Figures 3.2a – 3.2d. Council may add to this list where the need arises or when approached by a consortium of land owners.

Table 3.1 - Local Area Contributions					
No.	Locality	Developments	Application		
1	Terranora	Terranora, Area E	Land defined in Figure 3.2a ⁽¹⁾		
2	Cabarita	Kings Forest	Land defined in Figure 3.2b ⁽¹⁾		
3	Pottsville	Leisure Gardens, Koala Beach	Land defined in Figure 3.2c ⁽¹⁾		
4	Duranbah	Kings Beach	Land defined in Figure 3.2d ⁽¹⁾		
	/Cabarita				

Notes: 1. Refer to Schedule 3



4. NEXUS

4.1 Need

Population growth is known through experience to generate additional traffic, creating the need for improved roads or sometimes more roads. The actual volume and characteristics of traffic demand is directly related to land-use. Field surveys and manuals on the subject, including the NSW Roads and Traffic Authority's Guide to Traffic Generating Developments (Issue 2.2 – October 2002) demonstrate that the increase in traffic is dependent on the types of development. The actual increases vary considerably with the extreme being the increase in traffic generation due to shopping centres, fast food stores and the like.

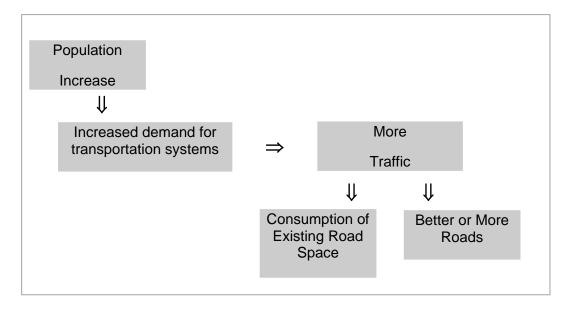


Figure 4.1 Nexus

4.2 Impacts

Extra traffic can impact upon:

- * operational efficiency
- * amenity
- * safety
- * pavement life; and
- * public finances

Operational efficiency traditionally relates to the performance of major roads. However, in high growth areas like the Tweed Shire, the effects may extend to local roads, which were never designed nor envisaged to be significant traffic corridors. Amenity is primarily a concern for residents fronting local roads and in particular local urban streets. Safety, arguably the most important consideration of all, applies everywhere. Remedies are provided through augmentation, replication, and diversion.

Development traffic may significantly reduce the expected life of a road pavement. Such impacts are well advanced in literature. For example, it has been known since the 1950's (Yoder, 1959) that the life of a pavement is



4. **NEXUS (Continued)**

proportional to the load being applied and varies directly with the logarithm of the number of load applications. That is, the heavier the load and the more frequent a load is applied, the quicker a road fails. It is this principle that forms the basis of the Heavy Haulage Contribution in Sections 6.4 and 7.2.

Traffic impacts accumulate over time. A contributions policy overcomes financing issues created by incremental development / decision making processes. It can nearly always be shown that an impact of a small single development is negligible and therefore seemingly admissible. However, in time the cumulative impact of several developments may cause significant funding dilemmas for a service provider, especially where threshold capacities are exceeded.

4.3 Assessment

Council engaged, Veitch Lister Consulting to examine the impact of development on Council's road network and to equitably assign the cost of developing the future road network between the users. This was undertaken as part of the Tweed Road Development Strategy (1997).

4.3.1 Model

Veitch Lister Consulting used advanced computer simulation techniques to predict the likely impact of traffic on the Tweed road network. The outcome of this mathematical model is the best prediction Council can obtain of the volume and distribution of traffic growth in the years to come.

4.3.2 **Growth**

As a prerequisite to developing the new traffic model of Tweed Shire for the Banora Point / South Tweed Traffic Study (2004), VLC undertook a comprehensive review of the Shire's potential future population and its distribution. This re-appraisal was documented in Working Paper No.2 (Demographic Assumptions) of that study and summarised in Table 4.1, below.

Table 4.1 - Forecast Population Growth					
Area	2001	2011	Ultimate (2030?)		
Tweed Heads	7,642	8,241 (+8%)	9,028 (+18%)		
West Tweed Heads	9,138	13,027 (+43%)	27,461 (+201%)		
South Tweed Heads	22,161	27,791 (+25%)	36,141 (+63%)		
North Tweed Coast	8,807	16,075 (+83%)	29,574 (+236%)		
South Tweed Coast	7,298	12,521 (+72%)	15,274 (+109%)		
Murwillumbah	7,553	8,714 (+15%)	11,900 (+58%)		
Rural ⁽¹⁾	11,781	12,828 (+9%)	17,888 (+52%)		
TOTAL	74,380	99,197 (+33%)	147,266 (+98%)		

Notes: 1. Including rural villages



4. **NEXUS (Continued)**

4.3.3 Traffic

VLC's traffic modelling found that the Tweed Shire road network will experience considerable traffic growth, especially on the Tweed Coast and in the urban areas, as a result of the anticipated urban development. Most major urban road corridors will be required to carry considerably more traffic, with many needing to be upgraded or augmented through the addition of new road corridors or links.

Schedule 5 to this Plan describes in detail the scale of works needed to provide adequate levels of traffic service in these growth areas. No new rural road links are required, however many rural roads require widening and re-alignment to improve capacity and road safety generally. No rural road has been identified to be greater than two lanes.

4.4 Administration

Management is essential if the desired outcomes of this Plan are to be achieved in a timely and affordable manner, and to meet the requirements of the s94 Regulations. Constant supervision and management will be required over a number of years. The recovery of these costs is required by policy of Tweed Shire Council and is set at 5% of the contribution payable. This rate will be reviewed at the 1st of July each year.

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WORKS SCHEDULE 5.

5.1 Works

The road infrastructure projects covered by this Plan (both completed and proposed) are listed, along with detailed costings, in Schedule 5. The road infrastructure works program comprises 137 items, estimated to cost around \$305M.

This road infrastructure works program is the result of functional analyses of the future road network during the various traffic studies that preceded this Plan and is listed in the Executive Summary.

Version 5.1 of this plan amends the Works Schedule at Schedule 5 by adding an additional item 29a:-

29a. Kennedy Drive Four-laning, Total Cost \$3,222,000.

5.2 **Existing Roads**

Contributions specified in this Plan are calculated on the unit capacity consumed in the road network, including existing roads assessed at replacement value including a land value component, in accordance with Council's policy. Although the contributions are based on road space consumption, the monies raised will all be directed toward completing the projects in the road infrastructure works program.



6. FORMULA

6.1 Background (Transport Modelling)

The prediction of traffic volumes on individual roads in Tweed Shire has been undertaken using VLC's proprietary travel demand forecasting software ('Zenith'). In essence, the Zenith models forecast the number of 'trips' likely to be made between differing areas (or zones) - a 'trip matrix'. A trip has two end points - a beginning point or 'origin' and a 'destination', which is sometimes referred to as the 'attraction'.

For example, if someone leaves home to go shopping, the 'origin' end of their trip is their house and the 'destination' end of their trip is the chosen shopping centre. On the journey home though, the shopping centre becomes the start point or origin and the person's house is the destination. Some journeys may involve a number of 'stops' and this too is accounted for via a concept called 'diverted' trips.

Given the future land use assumptions and the transport network connecting these land uses, the Zenith model uses parameters derived from existing travel patterns and choices to forecast where people will most likely travel from and to. It does this for a multiplicity of trip purposes, such as shopping trips, commuting, going to school, etc. The Zenith model also forecasts which trips are likely to be undertaken by walking or cycling and by public transport, in order to determine the 'vehicle trip matrices'.

6.2 Standard Formula

Contributions in this Plan have been calculated using 'trip-ends', which is a basic measure of traffic generation. Every trip has two ends.

In making a journey or trip, a vehicle will occupy space (or consume capacity) on each road link travelled. By assigning unit values (\$) of capacity to each link in the model road network, the VLC model is able to determine the value of road space consumed by vehicular trips between pairs of areas (or sectors).

Given that each trip has two ends, the value of the road space consumed by each trip can be allocated half to each sector.

The value of road space consumed by each sector is half of the sum of the road space consumed by all trips to or from that sector. The average value of road space consumed by the sector any trip to or from the sector is, then, that sectors total share of road space consumption divided by the total number of trip-ends generated or attracted by that sector. The formula below conceptually outlines the computation process.

\$Standard Trip End cost =

\$Total Road Capacity Consumed sector

Total Trip Ends sector



6. FORMULA (Continued)

For Sectors 4 and 8 the above "\$Standard Trip End" is also to be multiplied by an "adjustment factor" calculated in accordance with Schedule 6.

where:

 $Standard\ Trip\ End\ _{cost}$ = Standard Contribution per daily trip-end and

Total Trip Ends_{sector} = the sum of all trip-ends either originating from or attracted to land use activities within the sector.

and

\$Total Road Capacity Consumed sector = the sum of road capacity consumed on all roads by traffic either originating or attracted to activities in the sector.

The above calculations are repeated for each individual area (or sector). In the case of this Plan, fourteen sectors have been assessed (as defined in Figure 3.1 in Schedule 3) and the calculation summarised in Table 6.1 below.

Table 6.1 - Standard Trip End Costs

Sector	Value of Capacity Consumed by Each Sector	Trip Ends Generated by Each Sector	\$Standard Trip End _{cost}	Adjusted \$ Standard Trip End Cost ⁽¹⁾
Tweed Heads	\$52,987,985	94,010	\$ 564	\$ 564
2. Tweed Heads South	\$119,986,990	149,032	\$ 805	\$ 805
3. Cobaki	\$31,224,411	36,352	\$ 859	\$ 859
4. Bilambil Heights ⁽¹⁾	\$66,910,271	42,727	\$1,566*	\$ 1,572
5. Terranora	\$36,248,831	27,612	\$1,313	\$ 1,313
6. Kingscliff	\$46,865,751	63,352	\$ 740	\$ 740
7. Duranbah	\$62,695,377	76,362	\$ 821	\$ 821
8. Pottsville ⁽¹⁾	\$26,222,698	27,880	\$ 941*	\$ 967
9. Murwillumbah	\$55,568,538	55,379	\$1,003	\$ 1,003
10. Rural – Inner East	\$38,625,238	28,067	\$1,376	\$ 1,376
11. Burringbar	\$6,584,089	6,825	\$ 965	\$ 965
12a. Rural – Inner North	\$8,075,010	3,984	\$2,027	\$ 2,027
12b. Rural – Inner West	\$18,565,213	10,470	\$1,773	\$ 1,773
13. Rural - Outer	\$21,102,214	10,373	\$2,034	\$ 2,034
Overall	\$591,662,616	632,425	\$ 936	\$ 936

Notes:

- (1) Items 4 and 8 have been adjusted by an **adjustment factor** see Schedule 6.
- (2) The figures in tables ES.2 and 7.3 derived from this table further increase the rates per trip above by 0.7% in order to take account of an increase in the works program of \$2,156,684 or 0.7% (adoption report to Council July 2007).



6. FORMULA (Continued)

6.3 Local Area Formula

This Plan also administers the equitable distribution of construction costs of local works between local developers. Urban release areas may involve a number of landowners, and the aim is to assist the parties to jointly fund shared and necessary infrastructure facilities.

The cost of the designated local works in each local area have been similarly apportioned on the basis of the trip-ends expected to be generated / attracted by all anticipated developments in that local area, as follows:

\$Local Trip End
$$_{cost} = \frac{$Works_{local}}{New Trip Ends_{local}}$$

where:

 $$Local\ Trip\ End_{cost}$$ - Local Area Contribution per daily trip end and

 $\mbox{\it SWorks}_{\mbox{\tiny local}}$ - value of the local works projects. and

New Trip Ends local - the total 'new' trip-ends expected to be generated / attracted by all anticipated (new) developments in the area.

Table 6.2 is the result of applying the local area formula at four localities. The number of localities may increase where local developers wish Council to administer the distribution or liability for local works.

Table 6.2 - Local Area Trip End Unit Costs					
Location	Value of Works _{local}	New Trip Ends	\$Local Trip End cost	Comments	
1. Terranora	\$ 6,150,199	13,669	\$479	Applies to all of 'Area E'Work Items 126 - 132	
2. Cabarita	\$ 10,301,920	30,000	\$343*	Applies to the Kings Forest Development only	
				 Work Items 133 - 134 	
3. Pottsville	\$ 824,770	10,435	\$79**	 Applies to Leisure Garden and Koala Beach Estates only 	
				 Work Items 135 - 136 	
4. Kings Beach	\$ 1,318,900	9,680	\$137	 Applies to Kings Beach Development only 	
				 Works Item 137 	
Total	\$19,634,289				

^{*} For estimation purposes only - the Kings Forest Development will be required to construct the road

Work Items 126 - 136, inclusive, are to be totally funded by the 'new' development, as the works are not required by the broader community. The

^{*} For estimation purposes only - Work Items 135 - 136 are to be equally shared between the parties, Leisure Gardens and Koala Beach Estates, with costs and timing of the contribution subject to negotiation and surety.



6. FORMULA (Continued)

determination of the Local Area Contribution is purely administrative, to allow Council to share local costs between local developers. That is, Council would not manage localised situations, if it meant funding or acting as banker to the release area.

6.4 Interest

It is not planned to borrow to fund the construction of projects listed in the Works Schedule of the Plan. The timeframe for construction will be based on cash flow paid into the Plan and projects generally wont be constructed until sufficient funds are available within the plan

6.5 Heavy Haulage (Extractive Material)

Developments in this category will be charged a contribution commensurate with the additional wear and tear on Council's road network caused by heavy transport vehicles and/or frequent traffic use. This contribution is in addition to the contributions in Section 6.1, which are based on consumption of road network space / capacity.

For the purpose of this plan "heavy haulage" applies to the haulage by road of extractive material. It includes quarry products and raw materials, soil, clay, silt, sand, gravel, rock, stone, aggregate, fill and similar substances.

Heavy haulage has a source and destination. To avoid double dipping, the charge will be made on destination development.

The contribution is a levy based on quantities, calculated as follows:

$$$Unit = {$Value of pavement consumed_{reconstruction cost}} \over {life of pavement_{ESAs}}$$

where:

\$Unit = heavy haulage contribution per tonne per kilometre

and

\$Value of pavement consumed reconstruction cost = cost per kilometre to rehabilitate pavement for the expected usage life of the pavement

life of pavement $_{ESAs}$ = life of pavement measured as a function of usage, ie. Equivalent Standard Axles (ESA's).

Based on the assumptions and computations included in Schedule 1, the \$Unit charge to be levied under this current Plan will be:

\$ 0.21 per ESA per kilometre of road traversed with load onboard.

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6. FORMULA (Continued)

6.6 Administration

A surcharge of 5% to cover the costs associated with administering and updating the Plan. is applied to heavy haulage contributions collected under this Plan.



7. CONTRIBUTION RATES

Traffic generating developments are required to contribute to the development of Tweed Council's road network, calculated in accordance with Sections 7.1 and 7.2 below. Development applications will be conditioned at consent to contribute the TRCP contribution, \$Con TRCP, or the "Heavy Haulage Levy" \$Con TRCP - HEAVY, or both.

7.1 Standard and Local Area Contributions

TRCP contributions, \$Con_{TRCP}, are calculated:

```
$Con<sub>TRCP</sub> = (Admin x Trip End<sub>(development)</sub> x $Total Trip End <sub>cost</sub>) - $Existing
```

where:

 $$Con_{TRCP}$$ - contributions to be paid to Council by way of condition of consent

and

Trip Ends development - the total trip ends created or attracted to the development being assessed, using trip generation rates in Table 7.1.

and

\$Total Trip End_{charge} - total trip-end charge, as defined later in this Section.

and

\$Existing - value of 'existing use rights', where applicable.

and

Admin - Administration Charge of 5%

The total trip-ends of a development shall be calculated using the trip generation rates listed in Table 7.1, following. These trip generation rates are NOT to be used for the design of traffic facilities, as Council adopts specific design codes referred to in Tweed Development Control Plan Section A5 for these works.

Redevelopment will not be automatically entitled to the 'existing right'. Applicants may need to show how the 'existing right' reflects contributions to the funding of major works in this Plan.

The total trip cost is given by:

```
\$Tota \Pi rip End_{cost} = Modification \ x \ (\$Standard Trip End_{cost} + \$Loca \Pi rip End_{cost})
```

where:

Modification - allowance for diverted trips - see Table 7.2

\$Standard Trip End charge - Standard Contribution - see Section 6.1

\$Local Trip End cost - Local Area Contribution - see Section 6.2



7. CONTRIBUTION RATES (Continued)

No	Land Use	Daily Trip Rate	Unit Per
	DENTIAL AND TOURIST	, ,	
1	Dwelling house	6.5	Household
2	Multi Dwelling housing	3.9	Unit
2.1	Housing for older people or people with disabilities (SEPP 5)		
а	. Residential care facility	2	Occupant
b	. Hostel	2	Occupant
С	Self contained dwelling with onsite community facilities (community meeting rooms, recreation/sports facilities, library/reading rooms etc)	2.5	Dwelling
d	Self contained dwelling. No onsite community facilities (apart from communal laundry, washing)	3	Dwelling
21	Motels	5	100 m2 GLA
35	Tourist Resort	2.48	Room or Unit
		plus 12	100m ² GLA of
			restaurant
СОМ	MERCIAL-RETAIL*		
3	Service station	200	Pump
В	Shop/General Store <, 100m2	2.8 (A)	A = m2 GLA
9	Shopping Centre 100m2 < SC < 6,000m2	200 + 0.8 (A)	A = m2 GLA
10	Shopping Centre 6,000m2 < SC < 10,000m2	500 + 0.75 (A)	A = m2 GLA
11	Shopping Centre >= 10,000m2	3200 + 0.48 (A)	A = m2 GLA
12	Retail Garden centre not included in Shopping Centre	40	100 m2 retail area
13	Hardware not included in shopping centre	80	100 m2 GLA
20	Retail Tyre Outlets	10	100 m2 GLA
22	Pub / Tavern / Hotel	110	100 m2 GLA
23	Refreshment Room (eg Restaurant)	60	100 m2 GLA
23.1	capability	200	100m2GLA
24	Retail Market	20	100 m2 GLA
31	Licensed Clubs	100	100 m2 GLA
32	Motor Showrooms	5	100 m2 GLA
-	(Y GOODS*	40	400 0 01 4
14	Mixed Retail Showroom Bulky and Non Bulky goods)	40	100 m2 GLA
15 22.	Bulky Goods Retailing (eg Furniture Showroom)	10	100 m2 GLA
	MERCIAL – OFFICE*	16	100 2 CL A
16 17	Commercial Premises (Offices / Professional Centre) Commercial Premises (Major Offices including	16 12	100 m2 GLA 100 m2 GLA
	government) MERCIAL-BUSINESS PREMISES*	12	100 IIIZ GLA
COW 18	Medical Centres & Dentists(greater than 3	50	100 m2 GLA
	consulting rooms)	00	100 IIIZ OLA
19	Professional Consulting Rooms	50 - 150	100 m2 GLA
	T INDUSTRY*		
28	Light Industry	5	100 m2 GLA
34	Mixed Industrial Park	7.0	100 m2 GLA
NAR	EHOUSE OR DISTRIBUTION CENTRE*		
29	Warehouses	4	100 m2 GLA
MISC	ELLANEOUS		
3	Child Care Centre	3.7	Enrolment
4	Education Establishment (Primary School)	1.4	Enrolment
5	Education Establishment (High School)	1.4	Enrolment
_	Education Facility (TAFE College/University)_	1.8	Enrolment
1			
7 25	Recreation Facility - Squash	40	Court

Section 94 Plan No. 4 Tweed Road Contribution Plan



CONTRIBUTION RATES (Continued) 7.

Table 7.1 - Trip Generation Rates by Land Use				
27	Recreation Facility - Gymnasium	50	100 m2 GLA	
30	Hospitality Facilities	50	100 m2 GLA	
33	General Heavy Industry	1.5	100 m2 GLA	

Definition of commercial and industrial uses in accordance with SEPP (Exempt and Complying Development Codes) 2009 and the standard LEP template.

Notes:

- 'A' denotes area of floor space in m2 Gross Lease Area (GLA).
- Detached housing in Sector 13 adopt 6.5 daily trips per household. b)
- c) Multiple Occupancies (MO's) in Sectors 12 and 13 - adopt half (0.5) the detached household generation rates per MO household.
- GLA for Motor Showrooms includes any external display areas. d)
- A TOURIST RESORT is defined as a tourist accommodation facility with integrated reception area, common servicing and management of up to 400 rooms or units; featuring mainly accommodation with restaurants, pools, tennis courts, gym, conference facilities and moderate rates of arrival by car of 40 to 70%; and being in an Urban or Fringe Urban location within the Tweed Region.
 - If the Tourist Resort has a golf course/bowling greens/retail shopping/marina or is within a National park and is open to day visitors then category use No 35 does not apply and a Traffic Management Report will be required.
- Where a proposed traffic generation rate departs from the prescriptive rates in this table f) (excluding the dwelling house and multi dwelling house component) or is not stated, a detailed Traffic Study is required substantiating that the proposal conforms with the principles and objectives of this plan. The Traffic Study may be based on observed daily traffic generation rates of similar land uses in the area on at least 4 representative occasions. Further reference should also be made to Section 7.3 of this plan.

Allowance is made for diverted trip making, being shared purpose journeys, using factors given in Table 7.2.

Table 7.2 - Modification Factors for Specific Land Uses				
Category of Land Use	Contribution Modification			
Child Minding Facilities	0.60			
Primary School	0.75			
High School	0.80			
Suburban Service Station	0.10			
Local Shops to 100 m ²	0.15			
$100 \text{ m}^2 < \text{Shop} < 6,000 \text{ m}^2$	0.15 to 0.55 at 6,000 m ²⁽¹⁾			
$6,000 \text{ m}^2 < \text{Shop} < 10,000 \text{ m}^2$	0.55 to 0.60 at 10,000 m ²⁽²⁾			
Shops $>= 10,000 \text{ m}^2$	0.6			
Fast food outlet with drive through facility	0.65			



7. CONTRIBUTION RATES (Continued)

Equations required for modification factor (Shop)

(1)
$$= 0.15 + 0.4 \left[\frac{A - 100}{5,900} \right]$$
(2)
$$= 0.55 + 0.05 \left[\frac{A - 6,000}{4,000} \right]$$

$$A = m^2 GLA$$

The modification factor applies to both the Standard and Local Area Contributions save that suburban service stations shall be a minimum of 0.5 when calculating the Local Area Contribution.

LTTS payments previously paid for a property are recognised by the TRCP at current dollar value, that is, indexed from the day of payment using the All Groups Consumer Price Index (ABS 6401.0) for Brisbane. Alternatively, where LTTS contributions have been made, recognition may be given at the rates in this Plan for equivalent land use categories. For example, a previous payment for 10 households in the old LTTS Scheme is equivalent 10 households in this scheme.

In summary, TRCP contributions per household for each sector, including local area contributions are outlined in Table 7.3. This table also gives the \$Total Trip End charge for each Sector, assuming no discounts for diverted trip making and no previous LTTS payments.

Tweed Road Contribution Plan



Table 7.3 - TRCP \$Total Trip End contribution and Household Contributions by Sector

Sector	Locality	Base Rate Per Trip Calculation				Adjusted		Household calculation		Adjusted	
		\$Standard Trip End Contributio n ⁽¹⁾	\$Local Trip Contribution	Admin Fee 5% Factor	Total Trip End Contribution (prior to application of adjustment factor)	Total Trip End Contribution (to be used for TRCP calculations	Current Contribution Adjusted for IPD 1 July 2009 ⁽³⁾	Trip ends per Household	Prior to application of adjustment factor	Household Contribution (to be used for TRCP calculations)	Current Contribution Adjusted for IPD 1 July 2009 ⁽³⁾
1	Tweed Heads	\$568	\$ -	1.05	\$596	\$596	\$656	6.5	\$3,877	\$3,877	\$4,264
2	Tweed Heads South	\$811	\$ -	1.05	\$851	\$851	\$936	6.5	\$5,535	\$5,535	\$6,084
3	Cobaki	\$865	\$ -	1.05	\$908	\$908	\$999	6.5	\$5,904	\$5,904	\$6,494
4	Bilambil Heights	\$1,577	\$ -	1.05	\$1,656	\$1,662 ⁽²⁾	\$1,829	6.5	\$10,764	\$10,803	\$11,889
5	Terranora	\$1,322	\$ -	1.05	\$1,388	\$1,388	\$1,527	6.5	\$9023	\$9,023	\$9,926
	LAC1: 'Area E'	\$1,322	\$479	1.05	\$1,891	\$1,891	\$2,081	6.5	\$12,292	\$12,292	\$13,527
6	Kingscliff	\$745	\$ -	1.05	\$782	\$782	\$861	6.5	\$5,085	\$5,085	\$5,597
7	Duranbah/Cabarit a	\$827	\$ -	1.05	\$868	\$868	\$955	6.5	\$5,644	\$5,644	\$6,208
	LAC2: Kings Forest Development	\$827	\$343	1.05	\$1,228	\$1,228	\$1,351	6.5	\$7,985	\$7,985	\$8,782
	LAC4: Casuarina	\$827	\$137	1.05	\$1,012	\$1,012	\$1,114	6.5	\$6,579	\$6,579	\$7,241
8	Pottsville	\$974	\$ -	1.05	\$995	\$1,022 ⁽²⁾	\$1,125	6.5	\$6,470	\$6,647	\$7,313
	LAC3: Koala Beach/Seabreeze	\$974	\$79	1.05	\$1,078	\$1,105 ⁽²⁾	\$1,216	6.5	\$7,007	\$7,182	\$7,904
9	Murwillumbah	\$1,010	\$ -	1.05	\$1,060	\$1,060	\$1,166	6.5	\$6,893	\$6,893	\$7,579
10	Rural - Inner East	\$1,386	\$ -	1.05	\$1,455	\$1,455	\$1,601	6.5	\$9,459	\$9,459	\$10,407
11	Burringbar	\$972	\$ -	1.05	\$1,021	\$1,021	\$1,124	6.5	\$6,634	\$6,634	\$7,306
12a	Rural - Inner North	\$2,041	\$ -	1.05	\$2,143	\$2,143	\$2,358	6.5	\$13,930	\$13,930	\$15,327
12b	Rural - Inner West	\$1,785	\$ -	1.05	\$1,874	\$1,874	\$2,062	6.5	\$12,183	\$12,183	\$13,403
13	Rural - Other	\$2,048	\$ -	1.05	\$2,150	\$2,150	\$2,366	6.5	\$13,978	\$13,978	\$15,379

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Tweed Road Contribution Plan



Current Contribution Notes:

- (1) The standard trip end cost from Table 6.1 was increased by 0.7% in accordance with the Council adoption report for Version 5.0 of this plan dated July 2007 to take account of an increase in the adopted Works Program of \$2,156,684 or 0.7%.
- (2) Items 4 and 8 have been further increased by the adjustment factor as specified in Schedule 6.
- (3) Adjusted base rate incorporating Indexation of Contribution Rates in line with the ABS Implicit Price Deflator for Non-Residential Construction, resulting in an increase of 10.04% (1 July 2009).

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7. CONTRIBUTION RATES (Continued)

7.2 Heavy Haulage Contributions

The heavy haulage contribution applies to destination developments which attract heavy haulage (extractive material) traffic, for example (and without limiting the application of this section) - subdivisions, landfill, roadworks, parking areas, extractive material processing and the construction phase of development projects. In order to prevent double dipping it does not apply to source activities such as extractive industries and quarries.

 $Con_{TRCP-HEAVY} = Prod. X Dist x $Unit$

where:

\$Con_{TRCP-HEAVY} - heavy haulage contribution

and

Prod. - projected demand for extractive material to be hauled to/from the site over life of project, in tonnes

Dist. - the length of the haul route on Shire roads (one way, in kms)

\$Unit - the unit cost of rehabilitating a road, as in Schedule 1

For example:

 $$Con_{TRCP-HEAVY} = 5,000 \text{ tonnes}$

x 20 kilometres x 5.4c per tonne per kilometre

= \$5,400

7.3 Self Containment and Disputes

This Plan assumes particular land uses and traditional containment factors consistent with a wide range of urban forms, but not all situations can be preempted. From time to time, Council may receive development applications that do no fit with these assumptions. Council will assess these instances on the merit of the individual case.

Council's strong preference is towards a negotiated outcome; however, in the event that an agreement can not be reached Council will commission a competent consultant, funded by the applicant to resolve the matter.

Tweed Road Contribution Plan



8. CASH FLOWS

8.1 Income

Development contributions are expected to yield \$241.6 Million (Table ES 3) excluding concessions. The estimated cost of the projects in the Works Schedule is \$305.1 Million resulting in a shortfall of \$64 million which is to be funded from grants and other funding sources.

8.2 Expenditure

Council will adopt a rolling 5 year Road Infrastructure Works Program based on the projects listed in the works schedule (Schedule 5) and taking into account traffic demand and the funds balance within the Plan. The 5 Year Works Program will be reviewed annually to ensure its currency

An underlying consideration in determining the Road Infrastructure Works Program is that contributions from some developments will be "in kind" for several years before 'credit' works are exhausted. Council must be in agreement with 'in kind' contributions prior to approval since 'works contributions' may jeopardise the financing of other Plan projects.



9. PAYMENTS

9.1 Timing of Payments

Contributions are payable at the time prescribed in Table 9.1.

Table 9.1 - Timing of Payments				
Type of consent	Timing			
Subdivision where no further approvals are required	prior to release of the subdivision certificate			
Development not involving subdivision but where a subsequent development application is required	prior to release of the construction certificate			
Heavy haulage developments	annual fees submitted in quarterly increments			
Any other developments	prior to the endorsement of the final plan or commencement			

9.2 Indexation

Contributions are fixed for a twelve month period from the date of development consent and thereafter levied at the contribution rate current at the time of payment.

Sector contributions in this Plan

- (i)will be indexed on the 1st July of each year commencing on 1 July 2008 based on the Implicit Price Deflator for Private Gross Fixed Capital Expenditure for Engineering Construction as published by the Australian Bureau of Statistics (A405071T) or
- (ii) will be adjusted based on revised works estimates prepared and the VLC transport/contribution models re-run with the "re-valued" works included as and when required.

9.3 "In-kind" Contributions and "Credits"

9.3.1 "In-kind" contributions unrelated to roads

The Council may accept an offer by the applicant to make a contribution by way of an "in-kind" contribution or a material public benefit as referred to in the Regulations. The offer may only be accepted if the applicant satisfies Council that:

- (i) payment of the contribution in accordance with the provisions of the Plan is unreasonable or unnecessary in the circumstances of the case; and
- (ii) the 'in- kind' contribution will not prejudice the timing or manner of the provision of the road facilities for which the contribution is required; and
- (iii) the value of the works to be undertaken or the material public benefit to be provided is at least equal to the value of the contribution assessed in accordance with this Plan.



9. PAYMENTS (continued)

9.3.2 Credits

Some developments will require the construction of works identified in the Works Schedule. Clause 7.3.6 of Council's *Tweed Development Program - Management Plan* outlines Council's policy in these instances and it is reproduced here in Schedule 2 for completeness.

Works will be valued in accordance with the Works Schedule of this Plan provided the applicant is paying the levies nominated in this Plan

9.4 Deferred Payment

The Council will generally not accept deferred or periodic payment of contributions. However, Council may consider an application where:

- (i) compliance with the provisions relating to <u>when</u> contributions are payable is unreasonable or unnecessary in the circumstances of the case; and
- (ii) non-compliance with the terms of this clause will not prejudice the timing or the manner of the provision of road facilities for which the contribution was required as outlined in the Works Schedule.

The decision to accept a deferred or periodic payment is at the sole discretion of the Council.

9.3.2 Obligation of accredited certifiers

For the purposes of the certification of Construction Certificates and Complying Development Certificates as referenced in this plan, the Accredited Certifier is the principal certifying authority.

Construction Certificates:

In accordance with Clause 146 of the EP&A Regulation, a certifying authority must not issue a construction certificate for building work or subdivision work under a development consent unless it has verified that each condition requiring the payment of monetary contributions has been satisfied.

In particular, the certifier must ensure that the applicant provides a receipt(s) confirming that contributions have been fully paid and copies of such receipts must be included with copies of the certified plans provided to the council in accordance with clause 142(2) of the EP&A Regulation. Failure to follow this procedure may render such a certificate invalid.

The only exceptions to the requirement are where a works in kind, material public benefit, dedication of land or deferred payment arrangement has been agreed by the council. In such cases, council will issue a letter confirming that an alternative payment method has been agreed with the applicant.

Complying Development Certificates:

Tweed Road Contribution Plan



9. PAYMENTS (continued)

In accordance with section 94EC of the EP&A Act a certifying authority must impose a condition on a complying development certificate requiring the payment of a monetary contribution in accordance with this plan. The condition must require payment prior to commencement of works or prior to commencement of use whichever occurs first. The condition must be set out and be calculated in accordance with Schedule 7 of this plan.

Payment for contributions cannot be accepted by Council before Council has registered the complying development certificate in its system which will not occur until Council has received notification of the complying development certificate from the accredited certifier of the issuing of the certificate.

Failure to follow this procedure may render such a certificate invalid.

Recalculation of contributions:

Council's search fee will apply in cases where the recalculation of contribution rates is required.

Tweed Road Contribution Plan



10. DEFERRED OR PERIODIC PAYMENTS

In the event Council decides to accept the deferred or periodic payment of contributions, the applicant may be required to provide an unconditional bank guarantee by an Australian bank or recognised financial institution. The bank guarantee will prohibit the bank from seeking recourse to the applicant or having regard to any appeal, dispute, controversy, issue or other matter relating to the carrying out of the development in accordance with the consent.

10.1 Tweed Road Contribution Plan

From the date of adoption of this subsequent plan by Tweed Shire Council, this Plan supersedes previous versions of the *Tweed Road Contribution Plan (CP No 4)*. All development consents more than twelve months old require the applicant to pay the rates applicable in "Council's adopted Fees and Charges current at the time of the payment" or "the relevant Section 94 contribution current at the time of the payment".

10.2 Contribution Plan No 14 - Mebbin Springs

Version 4.0 of this Plan superseded the *Rural Road Upgrading, Mebbin Springs Subdivision, Kyogle Road, Kunghur Contributions Plan (No 14).* CP No 14 was repealed with the adoption of this subsequent Plan in only so far as all future development applications are concerned, That is, Consent S94/70, the only consent issued to date, will continue to be administered under CP No 14 for as long as the consent remains valid.

Tweed Road Contribution Plan



11. BIBLIOGRAPHY

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 By Tweed Shire Council, first gazetted April 2000, with last amendment (No. 47) in October 2006
- 2. Tweed 4/24 Strategic Plan 2004-2024
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- 3. Tweed Shire 2000+ Strategic Plan
 By Tweed Shire Council, December 1996
- Banora Point and Tweed Road Development Strategy Review 2004
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- Murwillumbah Distributor Road Network Study
 By Veitch Lister Consulting, for Tweed Shire Council, June 2005
- Tweed Road Development Strategy 1997
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- 7. Lower Tweed and Pacific Highway Traffic Master Plan
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- 8. Principle of Pavement Design
 By E. J. Yoder, published by John Wiley & Sons (5th printing, 1967)



SCHEDULE 1 – HEAVY HAULAGE (OF EXTRACTIVE MATERIAL)

Many of Council's urban and rural sealed roads have between 150 mm to 200 mm of gravel cover over virgin insitu material. While this is adequate for current needs, that is a projected life of 15 to 20 years, increased traffic usage or the increased percentage of heavy haulage traffic using a road significantly reduces the life of the existing pavement.

Council roads will normally require a further 200 mm of "top class" gravel to provide the additional strength for sustained heavy haulage developments. In most instances road base gravel may be added in the form of an "overlay". The existing bitumen is ripped, the additional gravel added, compacted and then sealed using 20/10 mm aggregates. Isolated weak points may be excavated or bridged with the use of "geo-textiles", but these additional costs are not generally incurred.

The Council's works cost-estimation database currently (at March 2007) uses a unit rate of \$41 per square metre for such rehabilitation to a Type D pavement. Assuming a pavement width of 10 metres (averaged over the whole shire), a typical 2-lane road would cost \$205,000 per lane-kilometre to rehabilitate.

In terms of traffic load, the life of a pavement is normally between 4x10^5 to 1x10^6 Equivalent Standard Axles (ESA's). For the purposes of this computation an average life of 7x10^5 ESA's will be assumed. The unit cost of the damage caused by heavy haulage vehicles can then be calculated as:

ФПотоко	\$205,000 per lane-kilometre
\$Damage	7 x 10 ⁵ ESA's
	\$0.29 per ESA per kilometre of road traversed

Based on a standard T44 articulated vehicle (semi-trailer) with a laden weight of 30 tonne and a tare weight of 6 tonne (ie. a 24 tonne load), the pavement damage incurred by it making a return trip would be:

\$Unit	(3.75 ESA's + 0.75 ESA's) x \$0.29 per ESA
	\$1.30 per kilometre of the haulage route
	5.4c per tonne per kilometre of the haul route



SCHEDULE 2 – CREDIT POLICY

Extract from Council's Tweed Development Program (at Page 30f):

"7.3.6 Credits

STRATEGY No 9

- i) Credits are not cash redeemable
- ii) Credits are not transferable to other CP's unless purchased by the CP so neither fund is disadvantaged
- iii) Credits are not a commodity that may be bought and sold on the open market, they reside with the land (the person or company who is the proprietor of the development may assign credits to particular land parcels within their properties)
- iv) Credits may only be claimed at a new site if CP works required at the new site are not compromised by Council accepting works-in-kind rather than cash
- v) Credits are indexed in proportion to any indexations of levies or contributions
- vi) Not all external works are eligible for s94 assistance even though others gain benefit

Some developments require the construction of works identified in s94 Contribution Plans. In these instances Council will condition the development to build these works (s91 EPA). In addition, the consent may:

- delete any requirement to make a monetary contribution to the Contribution Plan concerned (except the administration levy). That is, Council is satisfied the development has made a sufficient contribution, works-in-kind, to the s94 works program;
- in addition to requiring the construction of the said works include a provision to pay a
 monetary contribution in order to fund works away from the site, needed by the development;
- include a requirement to build works, pay contributions and a relief mechanism where the built works may be used to offset monetary contributions.

Developments may provide 'works-in-kind' in excess of their fair share of contribution liability. A development is said to be in 'credit' at this point. Council will not cash redeem any credits as outlined below because this has the potential to undermine the orderly extension of Council's infrastructure. It will be a commercial decision upon the part of the developer whether they can fund their proposals.

External works, those works beyond a development property, are often required to enable a development to proceed. For example, connection to Council's infrastructure networks and local drainage catchments. The need and scale for these works are assessed as part of development application/ determination process using merit considerations outlined in s90 of EPA. Conditions of consent are then applied to a development requiring the works to be completed with the development.

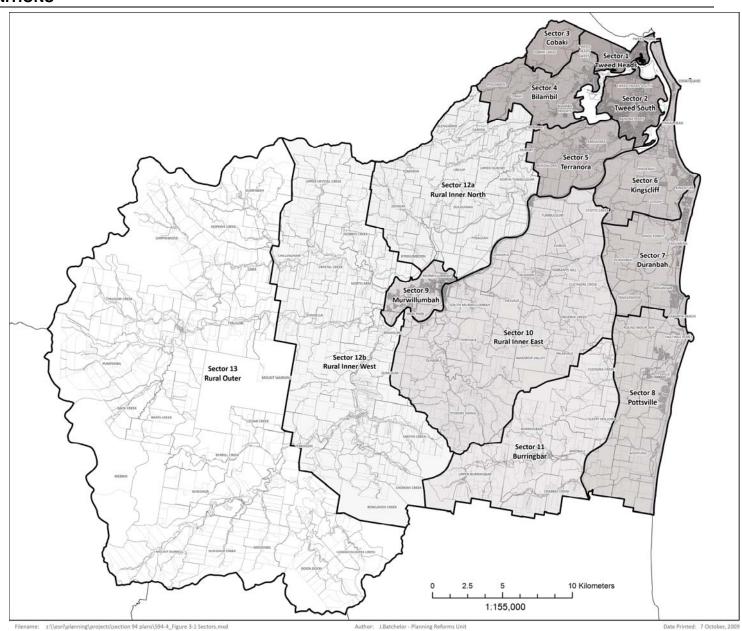
The cost of these external works may be substantial and often not included in contribution plans. In recent years, the development industry has pursued and obtained more flexible zonings which allow greater variety of land uses. However, this actually restricts the opportunities for cost sharing arrangements at the local level since the nature of development is imprecise, works undefinable, and beneficiaries unknown. Consequently, the standard nexus and financial arrangements can not be satisfactorily formulated in some contribution plans

Tweed Road Contribution Plan

SCHEDULE 3 – BOUNDARY DEFINITIONS

Figure 3.1: Sectors

Figure 3.1defines the boundaries of the 14 sectors to be used in determining the applicable rate of Standard Contribution.



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Date Printed: 7 October, 2009

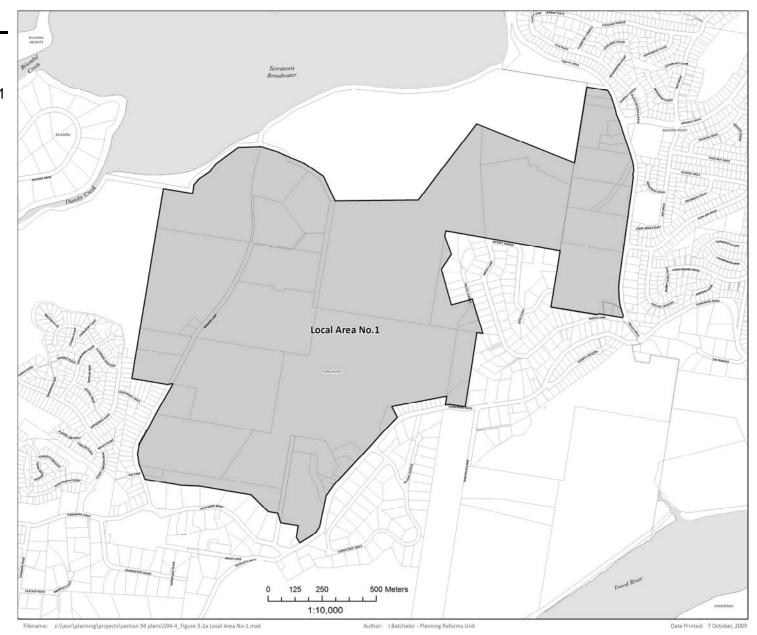
Tweed Road Contribution Plan

Figure 3.2a : Local Area No.1

[Version 5.2] [December 2009]

Figure 3.2a defines the lands to which Local Area Contribution No 1 applies.





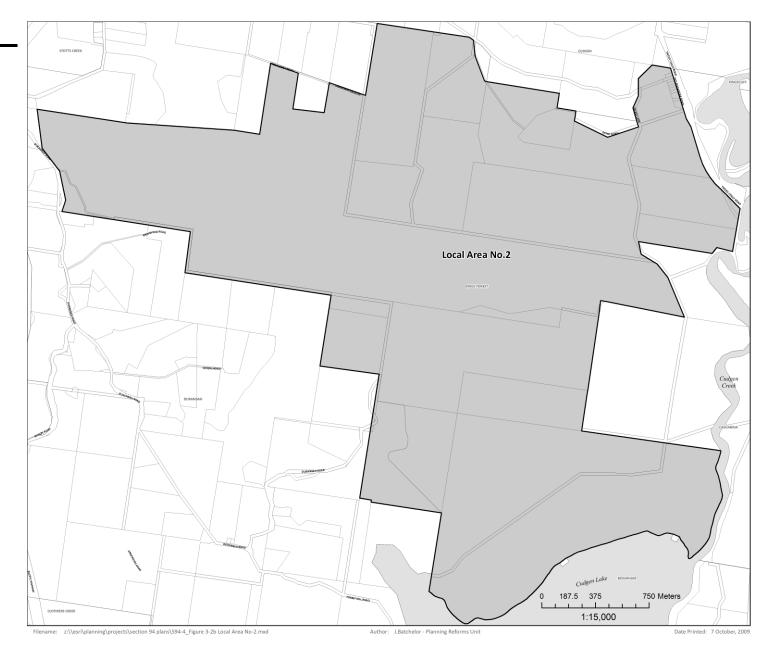
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Figure 3.2b : Local Area No.2

Figure 3.2b defines the lands to which Local Area Contribution No 2 applies.





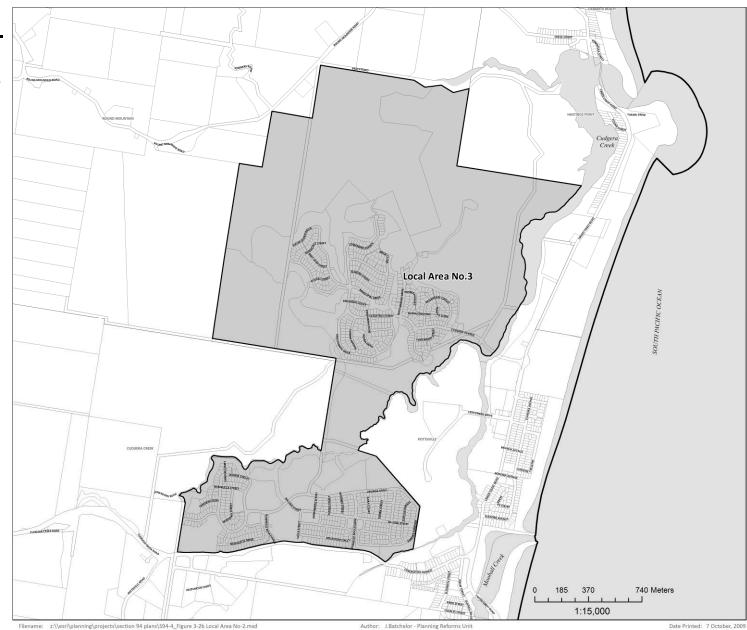
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Tweed Road Contribution Plan

Figure 3.2c : Local Area No.3

Figure 3.2c defines the lands to which Local Area Contribution No 3 applies.





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Figure 3.2d : Local Area No.4

Figure 3.2d defines the lands to which Local Area Contribution No 4 applies.



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SCHEDULE 4 – VERSIONS OF THIS PLAN

VERSIONS/EDITIONS

Version	Description	Commenced
1	Council's Works Committee adopted an interim procedure for the charging of s94 LTTS (Lower Tweed Contribution Plan) roads contributions	5/12/1990
2	Council adopted an LTTS works program and schedule of levies to be charged against development	22/5/1991
3	Council adopted a formal s94 Contribution Plan for the levying of LTTS developer contributions	8/7/1993
3.1	Amendment by Council to include additional costs/works in Cobaki Lakes Development	8/9/1995
3.2	Amendment by Council to include 10% admin levy	9/12/1995
4.0	Tweed Road Contribution Plan, operational 20-6-97 all consents issued on or after that date; or 30-7-97 for all current consents (more than twelve months old) with conditions requiring Lower Tweed Transportation conditions.	20/6/1997
4.1	Repeals and replaces Version 4.0. Changes operation of heavy haulage contribution.	1/1/1999
4.2	Repeals and replaces Version 4.1. This Version of the plan amends Table 5.1(d) "Works Schedule" and Schedule 6 "TRDS Project Costings" by adding an additional item 137 for the new Local Area No. 4. 137 Cudgen Ck to Bogangar - 3 i/s- Kings Beach, Total Cost \$1,210,000	8/8/2000
4.3	This Version of the plan amends Table 5.1(b) "Works Schedule" and Schedule 6 "TRDS Project Costings" by adding an additional item 138:- 138 Minjungbal Dr / Shallow Bay Dr Intersection, Total Cost \$300,000	3/10/2000
4.4	provides trip generation rates for housing of older people or people with a disability (SEPP 5) and for fast food outlets.	
4.5	inserts the category of tourist resort in the trip generation table 7.1	
4.6	Version 4.6. of this plan amends Table 5.1(b) "Works Schedule" and Schedule 6 "TRDS Project Costings" by adding additional items 139 and 140:- 139 Minjungbal Dr/Machinery Dr Intersection, Total Cost \$323,000 140 Leisure Drive Upgrades (a) Upgrade Darlington Drive from Tweed Heads Bypass to Leisure Drive Total Cost: \$495,000 (b) Upgrade Leisure Drive from Darlington Drive to about 200m past Winders Place Total Cost \$510,000 (c) Upgrade Leisure Drive from Fraser Drive to Eucalyptus Drive Total Cost \$600,000	





4.7 (draft)	amends the works programme by the addition of a new bridge over Cudgen Creek, Kingscliff (this draft was abandoned)	
4.8	amends Table 5.1(a) "Works Schedule" and Schedule 6 "TRDS Project Costings" by deleting item 22 and substituting existing item 23 with: "23. Const McAllisters Rd on existing alignmentTotal Cost \$856,300 Version 4.9, effective 19 July 2005, amends Table 5.1(b) "Works Schedule" and Schedule 6 "TRDS Project Costings" by adding items 141 and 142: "141. Shallow Bay Drive to Eastlakes Drive connection Total Cost \$341,554 142. i/s - Amber Road and Machinery Drive Total Cost \$190,147"	13/7/2004
5.0	updates the works program and cost estimates, and adjusts sector boundaries.	20/7/2007

Version 5.0 amendments under Environmental Planning & Assessment Regulation Clause 32(3)(a)

- **5/11/2007** Correction to typographical error corrected: Number of Trips for Sector 13 in comment should be 6.5.
- 28/4/2008 EP&A Regulation Clause 32(3)(a) correction to typographical error corrected 28/4/2008 local area trip cost Pottsville (Leisure Gardens and Koala Beach).

Sector	Locality	Standard Contribution	Adjusted Standard Contribution	Local Contribution	Total Contribution	Adjusted Total Contribution
	Pottsville	\$ 6,470*	\$ 6,647	\$ -	\$ 6,470*	\$ 6,647
8	LAC3: Koala Beach /Leisure Gardens	\$ 6,470*	\$ 6,647	\$ 1,293 \$513	\$ 7,767* \$7,007	\$ 7,940 \$7,182

• **28/10/2008** - Indexation of Contribution Rates in line with the ABS Implicit Price Deflator for Non-Residential Construction, resulting in an increase of 7.15%:

Index	Index Date	Rate	Released ABS	Rate date	% increas e
IPD (Non-	Mar-07	109.85	July 2007	20-Jul-07	
Residential Construction)	Jun-08	117.70	October 2008	20-Oct-08	7.15%

Secto r		Base Rate Calculation		Total Trip End Contribution		Trip ends	Household Contribution		
	Locality	Standard Trip End Contribution	Local Trip Contribution	Admin Fee 5%	Base Rate	Adjusted for IPD	per Household	Base Rate	Adjusted for IPD
1	Tweed Heads	\$568	\$ -	1.05	\$596	\$639	6.5	\$3,877	\$4,154
2	Tweed Heads South	\$811	\$ -	1.05	\$851	\$912	6.5	\$5,535	\$5,931





Secto		Base Rate Calculation			Total Trip End Contribution		Trip ends	Household Contribution	
r	Locality	Standard Trip End Contribution	Local Trip Contribution	Admin Fee 5%	Base Rate	Adjusted for IPD	per Household	Base Rate	Adjusted for IPD
3	Cobaki	\$865*	\$ -	1.05	\$908	\$973	6.5	\$5,904	\$6,326
4	Bilambil Heights	\$1,603*	\$ -	1.05	\$1,677	\$1,797	6.5	\$11,679	\$12,514
5	Terranora	\$1,322	\$ -	1.05	\$1,388	\$1,487	6.5	\$9,023	\$9,668
	LAC1: 'Area E'	\$1,322	\$479	1.05	\$1,891	\$2,026	6.5	\$12,292	\$13,170
6	Kingscliff	\$745	\$ -	1.05	\$782	\$838	6.5	\$5,085	\$5,448
	Duranbah/Cabarita	\$827	\$ -	1.05	\$868	\$930	6.5	\$5,644	\$6,047
7	LAC2: Kings Forest Development	\$827	\$343	1.05	\$1,228	\$1,316	6.5	\$7,985	\$8,556
	LAC4: Casuarina	\$827	\$137	1.05	\$1,012	\$1,084	6.5	\$6,579	\$7,049
	Pottsville	\$974*	\$ -	1.05	\$995	\$1,066	6.5	\$6,470	\$6,932
8	LAC3: Koala Beach/Seabreeze	\$974*	\$79	1.05	\$1,078	\$1,155	6.5	\$7,007	\$7,508
9	Murwillumbah	\$1,010	\$ -	1.05	\$1,060	\$1,136	6.5	\$6,893	\$7,386
10	Rural - Inner East	\$1,386	\$ -	1.05	\$1,455	\$1,559	6.5	\$9,459	\$10,135
11	Burringbar	\$972	\$ -	1.05	\$1,021	\$1,094	6.5	\$6,634	\$7,108
12a	Rural - Inner North	\$2,041	\$ -	1.05	\$2,143	\$2,296	6.5	\$13,930	\$14,925
12b	Rural - Inner West	\$1,785	\$ -	1.05	\$1,874	\$2,008	6.5	\$12,183	\$13,054
13	Rural - Other	\$2,048	\$ -	1.05	\$2,150	\$2,304	6.5	\$13,978	\$14,977

Version 5.1, effective 4 February 2009

- (1) Amends the works program by the addition of the four-laning of Kennedy Drive between Rose Street and Cobaki Bridge.
- (2) Amends typographical discrepancies between contribution tables in the plan to reflect figures in the table below:

Secto r		Base Rate Calculation			Total Trip End Contribution			Trip ends	Household Contribution		
	Locality	Standard Trip End Contribution	Local Trip Contribution	Admin Fee 5%	Base Rate-	Adjusted Total Trip End	Adjusted for IPD	per Household	Base Rate	Adjusted Total Per Lot	Adjusted for IPD
4	Bilambil Heights	\$1,603* \$1,577	\$ -	1.05	\$1,677 \$1,656	\$1,683 <u>\$1,662</u>	\$1,781 \$1,797	6.5	\$10,764 \$11,679	\$10,940 \$10,803	\$11,577 \$12,514
	Pottsville	\$974*	\$ -	1.05	\$995	\$1,022	\$1,066 <u>\$1,095</u>	6.5	\$6,470	\$6,647	\$6,932 \$7,122
8	LAC3: Koala Beach/Seabreez e	\$974*	\$79	1.05	\$1,078	\$1,105	\$1,155 \$1,184	6.5	\$7,007	\$7,182	\$ 7,508 \$7,695

- (3) Inserts equations required to calculate the modification factor for a shop (Table 7.2)
- (4) Items 9,10 and 11 of Table 7.1 have been amended to include Shops with a GLA of $100m^2$, 6,000 m² and $10,000m^2$.

9	Shopping Centre 101100 m2 < SC < 6,000m2	200 + 0.8 (A)	A = m2 GLA
10	Shopping Centre 6,0016,000m2 < SC <	500 + 0.75 (A)	A = m2 GLA
11	10,000m2 Shopping Centre >= 10.0040m2	3200 + 0.48 (A)	A = m2 GLA

(5) Moves 'adjustment factor' calculation details from the body of the Plan into a new schedule, Schedule 6.

Tweed Road Contribution Plan



Version 5.1.1, effective 1 July 2009

Indexation of base rates in line with the ABS IPD: Indexation of Contribution Rates in line with the ABS Implicit Price Deflator for Non-Residential Construction has been applied to the base rates, resulting in an increase of 10.04% on 1 July 2009:

Index	Index Date	Rate	Released ABS	Rate date	% increas e
IPD (Non- Residential Construction)	Mar-07	100.95	Jul-07	20-Jul-07	
	Dec-08	111.09	Apr-09	01-Jul-09	10.04%

Note that in accordance with Regulation 32(3) of the Environmental Planning and Assessment Regulations, adjustment of rates in line with indexation adopted by the plan (Section 9.2) does not require the preparation of a new contribution plan for exhibition.

DRAFT Version 5.2 (this version) effective 23 December 2009

- Inserts wording to enable application of TRCP S94 Development Levy on Complying Development Certificates (See Section 9.5 and Schedule 7).
- Reorganises Table 7.1 Trip Generation Rates by Land Use by subheadings to coincide
 with development types in SEPP (Exempt and Complying Development Codes) 2009
 and the standard LEP template. Provides an additional note requiring a traffic study
 where traffic generation rates depart from prescriptive rates in Table 7.1.
- Updates the Sector and Local Area maps.
- Fixes minor calculation discrepancy between indexed trip rate and ET rate (6.5 trips). This will not affect charges as applied to development consents as these are all currently calculated using the per trip value which is correct.
- Extends the concession for employment generating development.
- Clarifies consideration of material public benefit in Clause 9.3.1

Tweed Road Contribution Plan



SCHEDULE 5 – WORKS SCHEDULE





SCHEDULE 6 – ADJUSTMENT FACTOR

A number of older development consents with conditions requiring TRCP No4 contributions were paid after commencement of exhibition of Draft Version 5 of this plan and prior to adoption of Version 5, at Version 4.9 rates. Contribution Rates for these sectors were amended by applying an "adjustment Factor" calculated as follows for each of sectors 3*, 4 & 8:

Old = Aggregate \$ value of TRCP standard payments made in the sector between 11 April 2007 and the effective starting date of Version 5 of this plan

New = Aggregate \$ value of TRCP standard payments made in the sector between 11 April 2007 and the effective starting date of Version 5 of this plan if these payments had been made at Version 5 rates.

"Adjustment factor" = $1 + \{ (New - Old)/remaining trip ends to be generated in the sector / $standard trip end cost version 5} \]$

The Adjustment factor was calculated at and become effective at the date of Version 5 becoming effective (20 July 2007).

The adjustment factor will only be calculated using payments made under version 4.9 if the consent is over 5 years old (issued before 11 April 2002).

Adjustment factor as calculated on 20 July 2007:

Sector	Adjustment Factor
3*	-
4	1.004
8	1.028

* When Version 5 was adopted on 20 July 2007, no payments had been made for Sector 3 and therefore no adjustment was required for this sector.

Tweed Road Contribution Plan



SCHEDULE 7 – COMPLYING DEVELOPMENT CERTIFICATES

Contributions will be levied according to the estimated increase in demand. In assessing the contribution of proposed development, the following calculation shall be used:

STEP 1 – CALCULATE THE CHARGEABLE TRIPS:

For commercial and industrial development:

(Gross Leasable Area proposed / Unit) x Daily Trip Rate = total trips

Total Trips – credit = chargeable trips

For Dwellings:

(Trip Rate x total household units existing and proposed) = total trips

Total Trips – credit (one ET credit (6.5 daily trip rate) for an established lot and credit for any other existing on-site dwellings according to the daily trip rate applicable to continuing/ existing dwelling type) = chargeable trips

STEP 2 - CALCULATE THE CONTRIBUTION:

= chargeable trips x unit charge amount

Notes:

Credit

A credit amount equivalent to the contribution attributable to any continuing (or approved) development on the site of a proposed new development will be allowed for in the calculation of contributions. The credit is equal to the total trips already paid for as evidenced in a previous development consent. Where a development consent does not exist for a continuing development, or the total trips charged for can not be determined, they shall be determined by calculating the current chargeable trips based on existing gross leasable area or existing households / lot.

<u>Unit charge amount -</u> Is specified in *Table ES.2 - TRCP Household Contributions* on page 2.

<u>Daily trip rates</u> - Are specified in *Table 7.1 - Trip Generation Rates by Land Use* on page 18.

Units - Are specified in Table 7.1 - Trip Generation Rates by Land Use on page 18.

Sectors - Are specified in

Figure 3.1: Sectors on page 32 and Figures 3.2a-d.

Concessions

Concessions for employment generating commercial development are applicable to calculations above in accordance with the TRCP plan (refer *Concessions* on page 3).

Tweed Road Contribution Plan



Council Assistance

Should a certifying authority choose not to calculate contributions, Council officers are able to undertake calculations at the cost of Council's Enquiry Fee.

Any application which proposes to waive this contribution under the terms of the eligible business enterprise concession must contact Council's Development Assessment Unit for contribution calculation and ultimate approval to apply the concession by Council's Director Planning and Regulation. This will be undertaken at the cost of Council's Enguiry Fee.

Contribution Fee Sheet

The certifying authority shall attach to the complying development certificate, a fee sheet which details calculations (including ET / trip rate and credit) undertaken to determine the applicable contributions.

The contribution fee sheet should use a format showing all of the details in the table below:

S94 Plan	Sector	Trips	ETs	Credit(ETs)	Rate per	Total \$
					Trip/ET	
S94 Plan	Xxx	Xxx	Xxx	Xxx	Xxx	\$xxx
No 4						

Condition Template

The condition must be imposed in the following format:

Section 94 Contributions

Payment of the following contributions pursuant to Section 94 of the Act and the relevant Section 94 Plan.

The complying development shall NOT commence unless all Section 94 Contributions have been paid.

A CURRENT COPY OF THE CONTRIBUTION FEE SHEET ATTACHED TO THIS COMPLYING DEVELOPMENT CERTIFICATE MUST BE PROVIDED AT THE TIME OF PAYMENT.

These charges include indexation provided for in the S94 Plan and will remain fixed for a period of 12 months from the date of this consent and thereafter in accordance with the rates applicable in the current version/edition of the relevant Section 94 Plan current at the time of the payment.

A copy of the Section 94 contribution plans may be inspected at the Civic and Cultural Centres, Tumbulgum Road, Murwillumbah and Brett Street, Tweed Heads.

« Tweed Road Contribution Plan:

6.5 Trips @ \$xxxx per Trip

\$xxxx

S94 Plan No. 4

Sector xxxx



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