Vicmap & The Victorian Local Government Grants Commission

Local Roads Data Reconciliation Project (LRDRP) Updates

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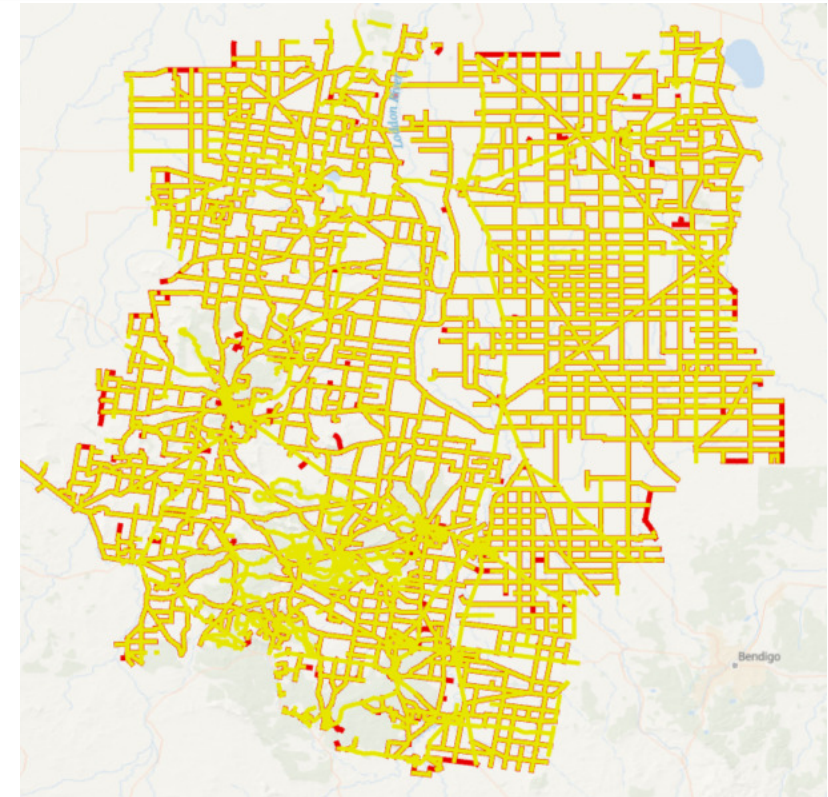Investment & Technology
Department of Transport and
Planning

What is the Roads Reconciliation Program?

The Victorian council Local Roads Data Reconciliation Pilot aimed to reconcile local road length data collected by councils for the VLGGC with corresponding local road length data in Vicmap.

The use of Vicmap as the source of local road length data would ensure robustness in the data reported annually and could reduce the administrative effort required of councils each year.

Vicmap has worked with 5 LGAs to deliver proof of concept of reconciliation between LGA roads and Vicmap TR_ROADS.

Vicmap together with the VLGGC continues to work with councils to support dataset reviews and to support the navigation of necessary roads attribution that is key to delivering this program.

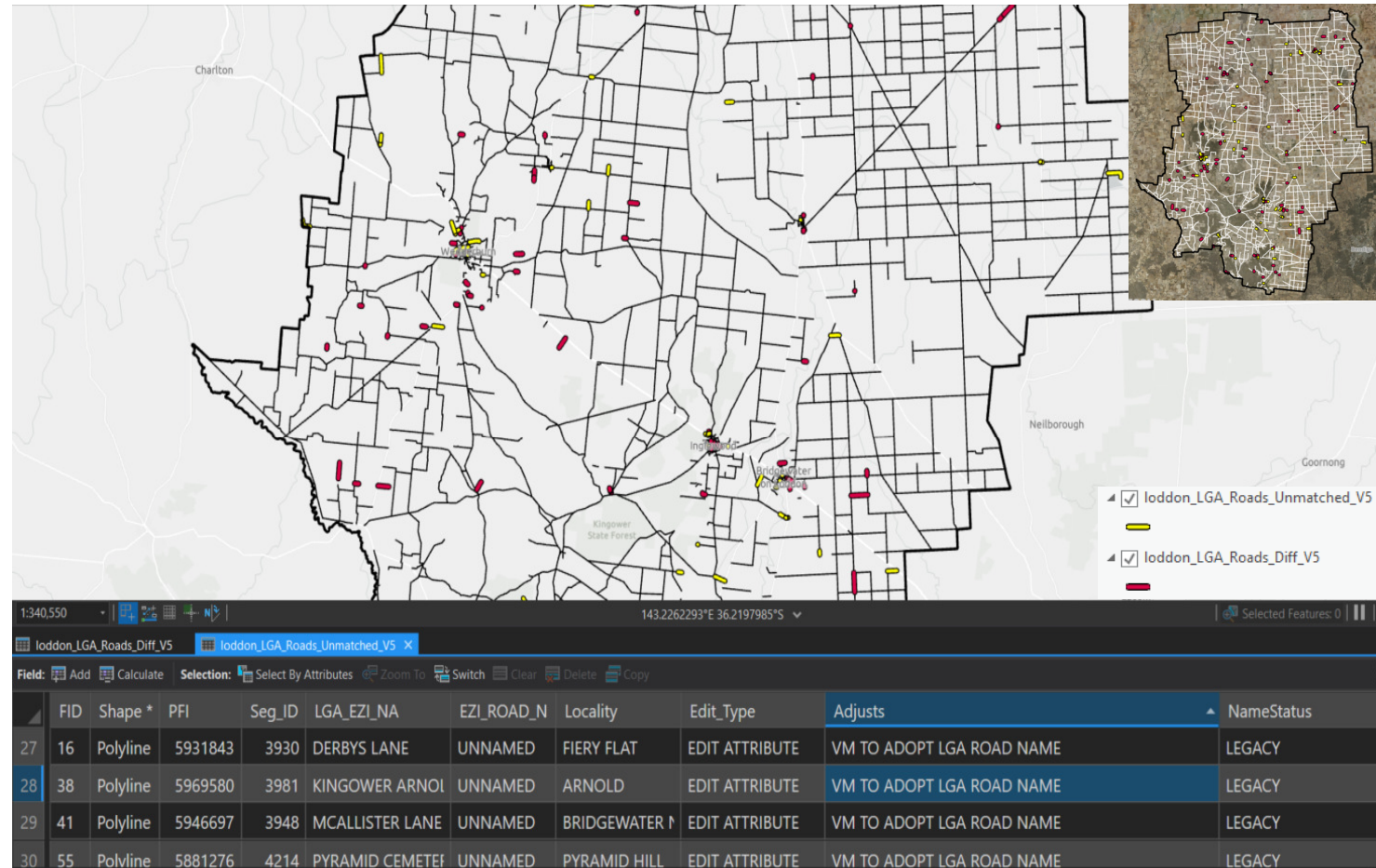# Local Roads Data Reconciliation Program– Key Fields

Fields identified during the pilot program as being key reconciliation fields/edit types for VGC3+ road length reporting included the following:

Primarily Spatial Edits:
- Road Lengths
- Road Removals
- Road Additions
- Road Class Reclassifications
- Road Seal Definitions
- Identification of restricted roads (Restricted Class 4 Roads)
- Gap in Laneway submissions to VES

Primarily Aspatial Edits:
- Road Names/Renaming/Adopting
- Road Responsible Authority Codes
- Road Coordinating Authority Codes

FID	Shape *	PFI	Seg_ID	LGA_EZI_NA	EZI_ROAD_N	Locality	Edit_Type	Adjusts	NameStatus
27	16	Polyline	5931843	3930	DERBYS LANE	UNNAMED	FIERY FLAT	EDIT ATTRIBUTE	VM TO ADOPT LGA ROAD NAME	LEGACY
28	38	Polyline	5969580	3981	KINGOWER ARNOL	UNNAMED	ARNOLD	EDIT ATTRIBUTE	VM TO ADOPT LGA ROAD NAME	LEGACY
29	41	Polyline	5946697	3948	MCALLISTER LANE	UNNAMED	BRIDGEWATER	EDIT ATTRIBUTE	VM TO ADOPT LGA ROAD NAME	LEGACY
30	55	Polyline	5881276	4214	PYRAMID CEMETEI	UNNAMED	PYRAMID HILL	EDIT ATTRIBUTE	VM TO ADOPT LGA ROAD NAME	LEGACY

Updates on the Roads Program

Vicmap is currently exploring the option to conduct aspatial attribution upload into TR_ROADS. This is specifically for the following attribution fields:
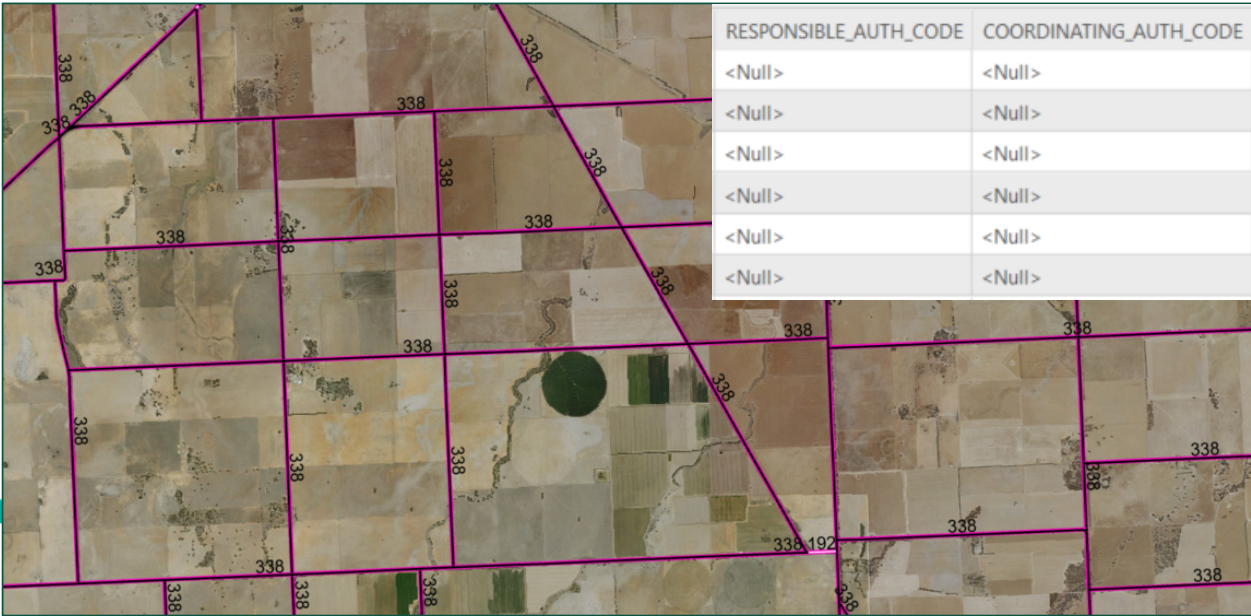
1. Responsible Auth Code
2. Coordinating Auth Code

LGAs have demonstrated capacity to uptake the TR_ROADS dataset extract and update these fields within the dataset.

The in-filled TR_ROADS dataset from councils can be provided through the Vicmap Editing Service (VES) for review to be updated into the TR_ROADS Dataset in Vicmap.

Key Points:
1. See the Vicmap Transport Specification on DataShare or refer to the datapack on the VLGGC Roads website for a definition on the authority codes
2. Talk to your neighbouring councils and agree on border responsibilities and representation.

Feature Type	Attribute	Definition	Value
Road or Bridge	RESPONSIBLE_AUTH_CODE	The authority that is responsible for maintaining the road segment or asset.	Code from reference table VMREFTAB_FT_AUTHORITATVIVE_ORGANISATION
	COORDINATING_AUTH_CODE	The authority that the owns the road segment	

RESPONSIBLE_AUTH_CODE	COORDINATING_AUTH_CODE
<Null>	<Null>
<Null>	<Null>
<Null>	<Null>
<Null>	<Null>
<Null>	<Null>
<Null>	<Null>

LGA Roads Information Requirements

Additional attribution to review based on council capacity (on-site at the LGA or outsourced):

1. Road Name (Do not include chainage, IDs, dashes in the same column)
2. Road Type (Identify simply as the road type or its accepted abbreviation (STREET, ST)
3. Class Code (Vicmap Road Classification REFTAB)
4. Road Seal (Vicmap Road Seal REFTAB)
5. Coordinating Auth Code + Responsible Auth Code Allocation (Vicmap unique allocated code per LGA)
    Talk to your neighbouring LGAs and agree on border responsibilities and representation

ROAD_NAME *	ROAD_TYPE	CLASS_CODE *	ROAD_SEAL	COORDINATING_AUTH_CODE	RESPONSIBLE_AUTH_CODE
TUCKFIELD	STREET	3	1	<Null>	<Null>
MABEL	AVENUE	5	1	<Null>	<Null>
TAN	TRACK	9	2	<Null>	<Null>
TULK	STREET	5	1	<Null>	<Null>

Vicmap Reference Tables

The following fields in the Vicmap TR ROADS Dataset also host Reference Tables which can be referenced for assigning information into TR_ROADS.

1. Class Code (Vicmap Road Classification REFTAB)
2. Road Seal (Vicmap Road Seal REFTAB)
3. Coordinating Auth Code + Responsible Auth Code Allocation (Vicmap unique allocated code per LGA)
   Talk to your neighbouring LGAs and agree on border responsibilities and representation.

VM Authoritative Organisation Codes Tables

VMREFTAB.TR_ROAD_CLASS Reference Table

ROAD CLASS_CODE	ROAD_CLASS	DESCRIPTION
0	FREEWAY	Hard surface formation, high-volume, high-speed roads declared as "Freeway"; comprising dual carriageway and full access control and grade separated intersections, i.e. no direct access from adjoining properties or side roads and all crossings are by means of overpass or underpass bridges with traffic entering or leaving carriageways by means of ramps. Single carriageway sections forming part of declared freeways may be included within this category.
1	HIGHWAY	Hard surface roads which: Are of importance in a national sense, and/or Are of a major interstate through route, and/or Are principal connector roads between capitals and/or major regions and/or key towns.
2	ARTERIAL	Well maintained and widely used hard surface formation roads which are major connectors between: Freeways and/or National Highways, and/or Major centres, and/or key towns, or Have major tourist importance or Which main function is to form the principal avenue of communication for metropolitan traffic movements, not catered for by freeways.
3	SUB-ARTERIAL	Hard surface formation road, which acts as: A connector between highways and/or arterial roads, or An alternate route for class 2 roads, or A principal avenue for massive traffic movements.
4	COLLECTOR	Hard surface or improved, loose surface formation road acting to: Provide for traffic movement (connects class 3 to class 5), or To distribute traffic to local street systems.
5	LOCAL	Hard surface or improved, loose surface formation road providing access to properties or public land. Caters for moderate travel speed of a full range of vehicles including large vehicles. All weather two-lane road includes sealed, formed and gravelled or single lane sealed road with gravel shoulders
6	MINOR	A hard surface improved or unformed road usually with a dry weather or natural surface. A road that services a small number of properties, is a dead-end road, or provides access to low to moderate use sites within public land. Caters for low travel speed and a range of vehicles in dry weather. It may be seasonally closed.

FT_AUTHORITATIVE_ORGANISATION ×

Field: Add Calculate | Selection: Select By Attributes Zoom To Switch Clear Delete Copy | Rows: Insert ▾

	OBJECTID *	AUTH_ORG_CODE	AUTH_ORG	AUTH_ORG_LONGNAME	UFI *	UFI_CREATED
104	122	119	LSV	Life Saving Victoria	10017467	25/08/2009 11:52:05 AM
105	60	338	LODDON	Loddon Shire	10016690	6/11/2008 2:02:58 PM
106	194	201	LMURW	Lower Murray and Urban Rural Water	10220975	21/10/2022 9:03:28 AM
107	61	339	MACEDON RANGES	Macedon Ranges Shire	10016691	6/11/2008 2:02:58 PM

VMREFTAB.TR_ROAD_SEAL Reference Table

ROAD_SEAL_CODE	ROAD_SEAL	DESCRIPTION
1	SEALED	Road Sealed (sprayed seals, asphalt, or concrete)
2	UNSEALED	Road Unsealed (includes rock or processed gravel)
3	UNKNOWN	Unknown
4	NATURAL	A formed or unformed road consisting of locally available earth material not included in unsealed

Important Links

Vicmap Transport TR_Roads Data extract can be found at the following website:
https://datashare.maps.vic.gov.au/search?q=vicmap%20transport
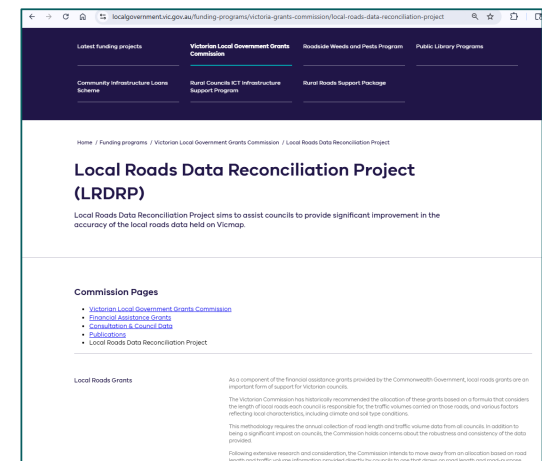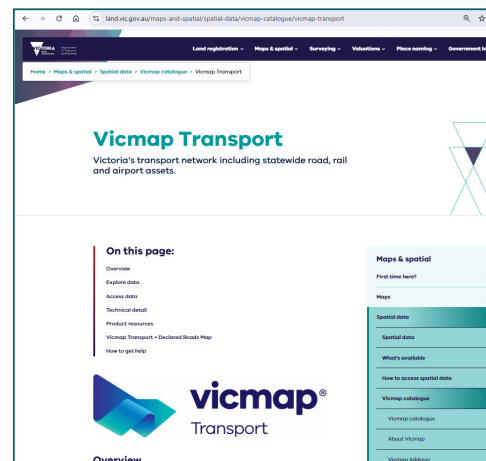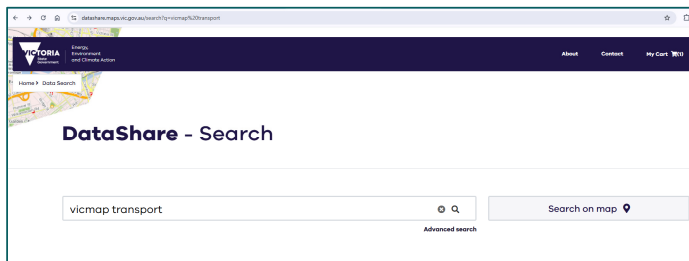
Vicmap Transport TR_ROADS Dataset specification:
https://www.land.vic.gov.au/maps-and-spatial/spatial-data/vicmap-catalogue/vicmap-transport

Local Government- Local Roads Data Reconciliation Project (LRDRP) website:
https://www.localgovernment.vic.gov.au/funding-programs/victoria-grants-commission/local-roads-data-reconciliation-project

Vicmap Editing Service:
https://ves.land.vic.gov.au/login

Thank you

If you would like to contact the Vicmap team- Aastha Sharma or David Blain in relation to this program, please send your enquiry to the Vicmap Helpdesk and quote "LRDRP": vicmap.help@transport.vic.gov.au

If you need assistance in gaining access to Vicmap Editing Service (VES) please send a request through the Vicmap Helpdesk
Vicmap.help@transport.vic.gov.au

Department of Government Services Program Manager Contact:
Julia.keeble@dgs.vic.gov.au

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