

File No. 04-1000-20-2016-101

April 29, 2016

s.22(1)

Dear s.22(1)

Re: Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")

I am responding to your request of March 25, 2016 for:

Copies of all records evidencing the location and placement of traffic control signs and roundabouts for March 1, 2014 to March 31, 2014 encompassing, and including, the following:

- Commencing at the intersection of Commercial Drive and Graveley Street westward to the intersection of McLean Drive and Graveley Street;
- 2. then proceeding northward to the intersection of McLean Drive and Grant Street:
- 3. then proceeding eastward to the intersection of Grant Street and Commercial Drive; and,
- 4. then proceeding southward to the intersection of Commercial Drive and Graveley Street.

All responsive records are attached. In order to better define the information on page 12 of this document, please note the following:

Date = Date the signal was installed Type PCA = Pedestrian & Cyclist Actuated signal AUD (01) = Audibles installed during 2001 CDT Activation = Countdown timers installed on July 26, 2015

Under section 52 of the Act you may ask the Information & Privacy Commissioner to review any matter related to the City's response to your request. The Act allows you 30 business days from the date you receive this notice to request a review by writing to: Office of the Information & Privacy Commissioner, info@oipc.bc.ca or by phoning 250-387-5629.

If you request a review, please provide the Commissioner's office with: 1) the request number assigned to your request (#04-1000-20-2016-101); 2) a copy of this letter; 3) a copy of your original request for information sent to the City of Vancouver; and 4) detailed reasons or grounds on which you are seeking the review.

Please do not hesitate to contact the Freedom of Information Office at <u>foi@vancouver.ca</u> if you have any questions.

Yours truly,

Barbara J. Van Fraassen, BA Director, Access to Information

City Clerk's Department, City of Vancouver

Encl.

:kt

# CITY OF VANCOUVER - ENGINEERING DEPT. TRANSPORTATION DIVISION TRAFFIC CONTROL DEVICE DIAGRAM

BLOCK NO.  AUTHOR SPEACE PAILLIPS LOCAL 7908  NOTE  IF NOT COME ACCORDING TO GRAM, SHOW REVISIONS IN R  LECEND  LECEND  UITLITY POLE  WOODEN POLE  WOODEN POLE  POST & SLEEVE  PYP MANUAL  MARK STOP LINES  AS PER SECTION  A.Z. & OF THE  PYP MANUAL  REMOVE STOP  SIGN  CONCEPTED  CONSISTION  CONSISTION  CONSISTION  CONSISTION  CONSISTION  CONSISTION  CONSISTION  CONSISTION  CONSISTION  STOP LINE  NOTES  SUMMARY  NO. NECEDO  RAND  STOP LINE  SUMMARY  NO. NECEDO  RAND  COMPRESSION AND  POSTS CAN SE RE-USER  POSTS CAN SE RE-USER  CONSTRUCT SIGNS AND  POSTS CAN SE RE-USER  POSTS CAN SE RE-USER  CONSTRUCT SIGNS AND  POSTS CAN SE RE-USER  POSTS CAN SE RE-USER  CONSTRUCT SIGNS AND  POSTS CAN SE RE-USER  POSTS CAN SE RE-USER  CONSTRUCT SIGNS AND  POSTS CAN SE RE-USER  POSTS CAN SE RE-USER  CONSTRUCT SIGNS AND  POSTS CAN SE RE-USER  POSTS CAN SE RE-USER  POSTS CAN SE RE-USER  CONSTRUCT SIGNS AND  POSTS CAN SE RE-USER  POSTS CAN SERVE SERVE  POSTS CAN SE	STREET MCLEAN	@	NO
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COMP LED BY 19 POSTS CAN THE RE-USED CHILLED BY 19 DIZ 'DIG GIG-MUL-OU			
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REVERSAC)			Restriction
	•		(REVERSAL)

### CITY OF V TRA

CITY OF VANCOUVER ENGINEERING SERVICES TRANSPORTATION DIVISION FORM 1	DIZ
STREET(S) McLEAN & GRAVELY	BLOCK(S)
PROJECT REVERSE STOP SIGN ORIENTATION F	ROM NORTH-SOUTH TO EAST WEST
SOURCE Neighbourhood Transportation	DATE RECEIVED
ADDRESS	PHONE

CENTRAL REGISTRY FILE #

## INVESTIGATION

This neighbourhood was surveyed prior to the construction of the Mosaic Bikeway. Several returned surveys mentioned concerns about replacing the east-west Stop signs at intersection of Woodland and Gravely with a traffic circle. The respondants felt that volumes on Gravely were already too high and, because these were the only eastwest Stop signs between Clark and Commercial, volumes would get even worse. Studies of the 2 streets found estimated ADT east-west volumes on Gravely to be approximately 1100 vehicles per day compared to about 700 vehicles per day north-south on McLean. The 85th %ile speed on Gravely of 52 km/h was also considerably higher than McLean, which had an 85th %ile speed of only 40 km/h. To make Gravely less attractive as a shortcut route, it is recommended that the north-south Stop sign control at McLean and Gravely be reversed.

#### INSTRUCTIONS

- Install east-west Stop signs on posts and concrete bases as indicated on the attached diagram.
- Mark stop lines as per section A.2.a of the Policy/Procedure Manual.
- Install warning signs and flashers for the new Stop signs for an introductory period of 30 days.
- Remove the north-south Stop signs and stop lines.

#### INVENTORY

2 x RA 1 (STOP)

2 x post & concrete base

Existing signs and posts can be re-used

EAST/WEST STUPLINES INSTALLED

ACCOUNT / WORK ORDER # DRWG ATTACHED YES X NO CO-ORDINATE WITH: STREETS NO Х ELECTRICAL YES NO X PARKING ENFORCEMENT YES ADVISE: POLICE YES FIRE YES NO X AUTHOR Bruce Phillips **LOCAL 7908** DATE September 8 SECTION HEAD 98 DATE TRAFFIC MGT ENG NEIGHBOURHOOD EN PARKING ENG DATE 19 DATE DATE STRATEG. TRANS. ENG A.C.E. TRANS DATE DATE DATE COMPLETED BY: NOTIFIED: PARKING ENF. OTHER DATE CHECKED BY: UPDATE INVENTORY FILES: ROUTING: BAP ADVR-DIPL BR. HEAD AUTHOR SEC. HEAD FUNDS APPR.

DTL

BR. HEAD

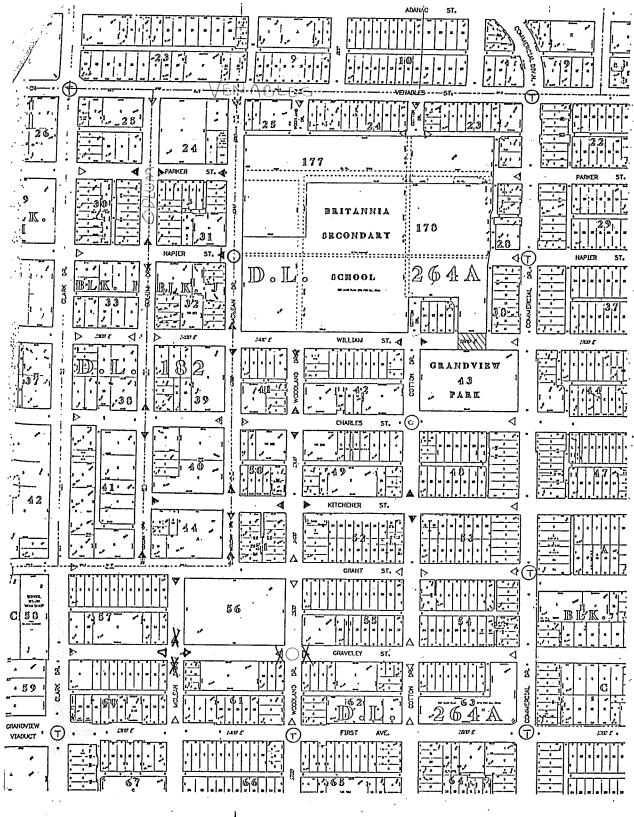
USE INITIALS TO INDICATE ROUTING. IF GOING OUTSIDE TRANSPORTATION DIV., ALSO NOTE BRANCH

SEC. HEAD

CEB

ENG 649

PARKING BR. MGMT.



LEGEND

- ◆ PROPOSED STOP SIGN
- . A EXISTING STOP SIGN
- @ TRAFFIC . CIRCLE
- TRAFFIC SIGNAL



1994

#### CITY OF VANCOUVER - ENGINEERING DEPT. TRANSPORTATION DIVISION - FORM 1

Central Registry File #

DIZ

STREET	CLARK DR. TO COMMERCIAL DR./ VENABLES ST. TO BROADWAY  BLOCK(S)
PROJECT	INSTALL STOP SIGNS IN THE AREA BOUNDED BY CLARK DRIVE TO
	COMMERCIAL DRIVE AND VENABLES STREET TO BROADWAY.
•	
SOURCE	TRAFFIC MANAGEMENT DATE RECEIVED
ADDRESS _	PHONE
INVESTIG!	ATION
Vehicular tr	First Avenue will be temporarily closed from Clark Drive to Commercial Drive for sewer pipe reconstruction. raffic will be detoured around this area during construction. Due to increased traffic on side streets, the stop rill be completed in the area bounded by Venables Street to Broadway and Clark Drive to Commercial Drive.
NSTRUCTI	IONS
· In	stall stop signs at locations indicated on the attached sheets.
. Pa	aint stop lines at locations marked in the field by Traffic Management (as per Section A.2.a of the olicy/ Procedure manual).
- In:	stall warning sings and flashers for an introductory period of 30 days.
SIGN INVE	NTORY
32 sto	op signs (RA-1)
30 pc	osts and concrete bases
	WORK ORDER # EDC22121 DRWG ATTACHED YES X NO TD # TE WITH: STREETS YES NO X ELECTRICAL YES NO X
UTHOR S	
RAFFIC M	IGMT ENG S. Ballar TRANSIT ENG PARKING ENG DATE 19
SST CITY	ENGINEER - PROJECTS ASSOCITY ENGINEER
ATE	19 DATE May 19 19 84 DATE 18419 19 97
OMPLETED	
OTIFIED HECKED B	: POLICE PARKING ENF OTHER DATE , 19 Y : DATE , 19
	FILES UPDATED BY:
OUTIŅG:	SF / MAZ / EAS / - / B, / DHRV/ SY / - / MC UTHOR SEC HEAD BR. HEAD FUNDS APPR A.C.E. C.E. AUTHOR PP LIST TD SEC.
TRAFFIC /	/ MC / - / MRZ / EAB / SY / LMT /- / CENTRAL TO SEC. PP LIST SEC HEAD BR. HEAD AUTHOR EA 1 T/M EA 1 PARKING REGISTRY
E INITIA	ALS TO INDICATE ROUTING. IF GOING OUTSIDE TRANSPORTATION DIV, ALSO NOTE BRANCH.


#### CITY OF VANCOUVER - ENGINEERING DEPT. TRANSPORTATION DIVISION - FORM 1

1	central	Registry.	File	#	
	!.				

PREET .		*		BLOCK(S)	<del></del>		,	1	
OJECT	INSTALL STOP	SIGNS AT	GRANT	AND COTTON	AND GRAV	ELEY AT V	OODLAND	DRIVE	
				·	·				
	· · · · · · · · · · · · · · · · · · ·		· · ·						
URCE _	Alderman Bell	ату			DAT	E RECEIVE	D July	3, 1990	
DRESS'_	•		• .			РНОŅ	E		
VESTIGE	MOITA								
	Stop signs are and traffic ve	e recomme	ended be	ecause of t	he incre	ased acci	dent tr	end	

#### INSTRUCTIONS

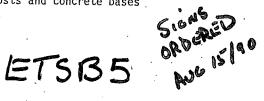
Install eastbound Stop sign on Grant at Cotton with post and concrete base Install westbound Stop sign on Grant at Cotton on lamp standard 1/66Install eastbound Stop sign on Graveley at Woodland on lamp standard 4/64Install westbound Stop sign on Graveley at Woodland with post and concrete base

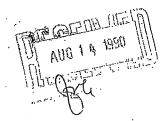
Paint Stop lines at locations marked out in field by Traffic Management (As per section A.2.a of the Policy and Procedure Manual).

Install warning signs and flashers for an introductory period of 30 days

#### SIGN INVENTORY

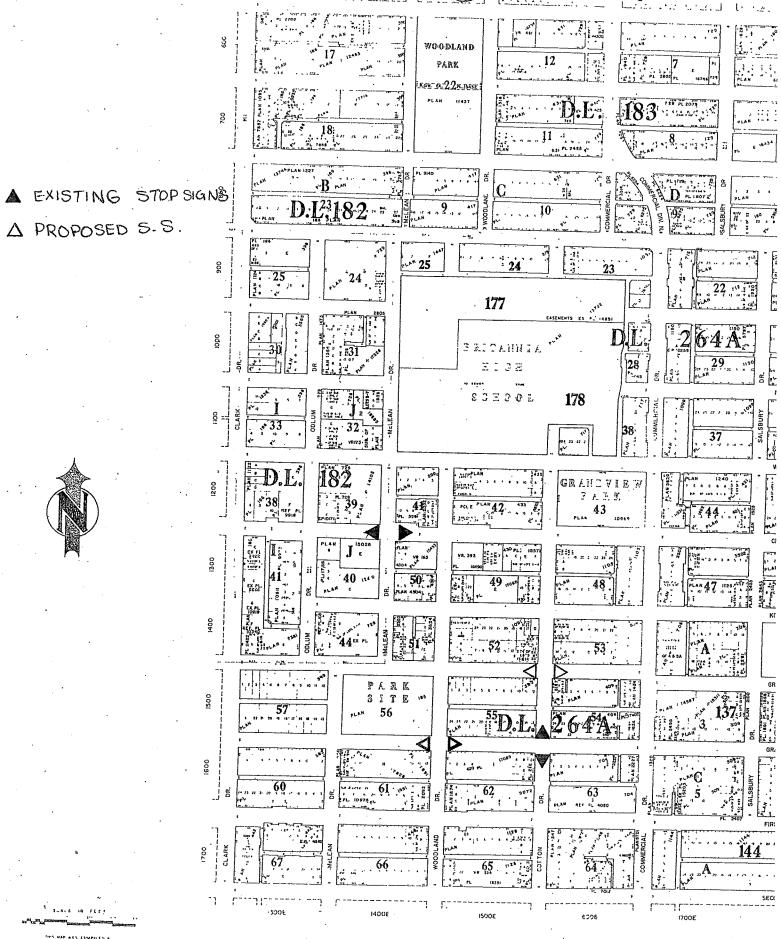
- 4 Stop signs (RA-1)
- 2 posts and concrete bases





2					
ACCOUNT # ETSB5 CO-ORDINATE WITH: STR AUTHOR S. Kirk	EETS YES NO >	ELECTRICAL	NO YES E July	TD # <u> 9 (</u> NO X 18, 1990	5-140
TRAFFIC MGMT TRANSIT BRANCH ENGINEER N. W. DATE	PARKING ACE. PRO ACE. TRA 19 20 DATE	JECTS NSPORT Drulf Quage 1990	CIAT	Y ENGINEER  Lin Cer  E. Crisq 9	1990
COMPLETED BY SIGNS	WHO R.	) <u> </u>	DATE 4	Jug 20.	19 <u>90</u>
CHECKED BY	I Walter		DATE DATE	WG 36	19 19 <b>10</b>
NOTIFED: POLICE	PARKING ENF	OTHER	DATE		19
ROUTING/ / AUTHOR SEC I	A / OMH / MPB HEAD BR. HEAD A.C		\$KÎ∕\ AUTHOR	PP LIST	TD SEC.
/TRAFFIC // OPS TD SEC. PI		AUTHOR EA 1 T/M	_ / EA 1 1		CENTRAL REGISTRY

USE INITIALS TO INDICATE ROUTING. IF GOING OUTSIDE TRANSPORTATION DIV, ALSO NOTE BRANCH.



TY ENGINEERING DEPARTMENT, VANCOUVER, 8 C

#### CITY OF VANCOUVER - ENGINEERING DEPT. TRANSPORTATION DIVISION - FORM 1

Central Registry File #

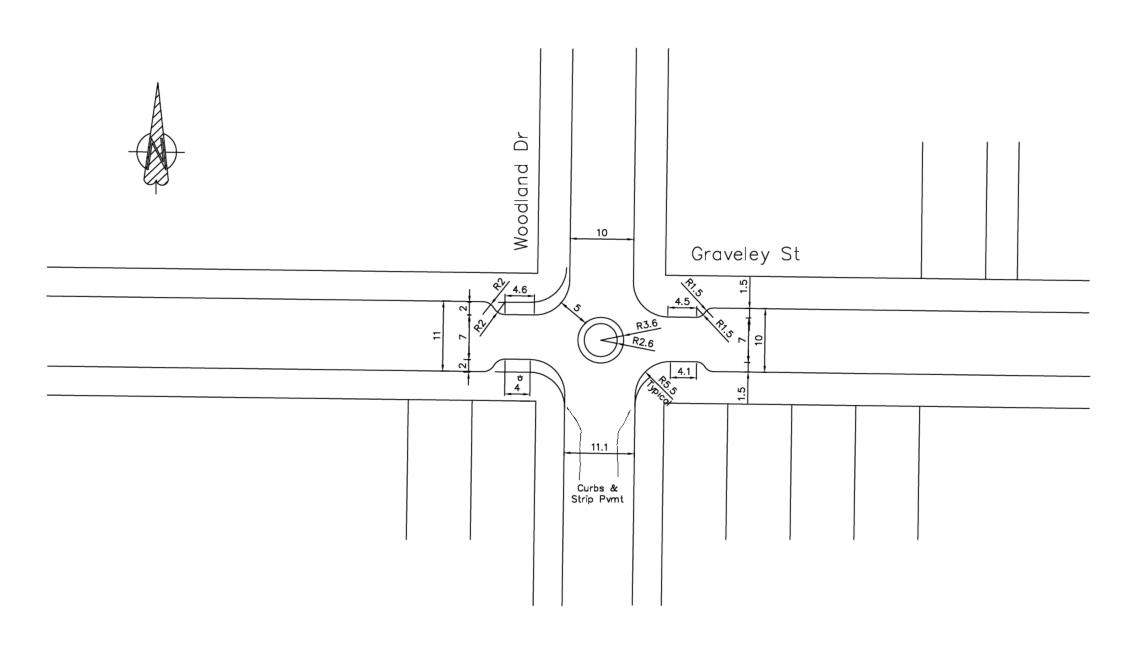
STREET	McLEAN/GRAVELEY, WOODLA	ND/GRANT BLOCK(S)
PROJECT	INSTALL STOP SIGNS AT T	HE INTERSECTIONS OF McLEAN DRIVE AND GRAVELEY STREET,
	AND WOODLAND DRIVE AND	GRANT STREET
SOURCE	TRAFFIC MANAGEMENT	DATE RECEIVED
ADDRESS	* 1	PHONE
INVESTIG		Il would negotianments for
The coli	lision histories at the Stop sign controls.	se two intersections meet the warrant requirements for
INSTRUCT	'	
- Insta Place	all northbound Stop sig e Stop sign 2 m south of	n on McLean at Graveley with post and concrete base. stop line.
- Insta	all southbound Stop sign	on McLean at Graveley with post and concrete base.
- Insta Place	all northbound Stop sign e Stop sign 2 m south of	on Grant at Woodland with post and conrete base. stop line.
- Inst	all southbound Stop sign	on Grant at Woodland with post and concrete base.
- Pain	t stop lines at location a of the Policy/Procedur	ns marked in field by Traffic Management (as per Section e Manual).
		ashers for an introductory period of 30 days.
INVENTO	RY	
4.St	op signs (RA 1).	NE DEPENDED A
4 po	sts and concrete bases.	STOPS ORDERED SEP 2 3 1992  SEP 2 3 1992  SEP 2 3 1992
		OREDT 2 Phyllody
	/ want annun II ETCRE	$G_{1}$
	/ WORK ORDER # ETSB5 ATE WITH: STREETS YES	DRWG ATTACHED YES X NO TD # (2- \) NO X ELECTRICAL YES NO X
AUTHOR _	B.A. PHILLIPS College	100 LOCAL 7908 DATE Sept 11,1992 DATE Sept 15 19 92
TRAFFIC	MGMT ENG Robert Hodges 5/09 19 92	TRANSIT ENG PARKING ENG DATE 19 19
ASST CIT	Y ENGINEER - PROJECTS	FASST CITY FING - TRANSPORTATION CITY ENGINEER
DATE	19	DATE Signt / 8 19 92 DATE 19
NOTIFIED CHECKED		DATE SEPT 25, 19 92  DATE DATE  DATE
ROUTING:	HAP MR / RM AUTHOR SEC HEAD BR. HE	AD FUNDS APPR A.C.E. C.E. AUTHOR PP LIST TO SEC.
/TRAFFIC	TD SEC. PP LIST SEC H	/ RMA / RDG / - / CENTRAL EAD BR. HEAD AUTHOR EA 1 T/M EA 1 PARKING REGISTRY

USE INITIALS TO INDICATE ROUTING. IF GOING OUTSIDE TRANSPORTATION DIV, ALSO NOTE BRANCH.

EX0741-9/FRM1-911 (09/11/92)

# **Traffic Circle Installation Dates**

Location	Date Installed	Notes
Woodland Dr & Grant St	1999	
Woodland Dr & Graveley St	1999	



# Note:

- 1. Local Street 2. No Bus Route 3. Design Vehicle SU9/FB 125

ASSISTANT CITY ENGINEER	STRAT. TRANS. ENG		CITY OF VANCOUVER ENGINEERING SERVI	CES
		DATE: June 14/99 DSGN: NCH		SCALE: 1:500
		DWG: NCH CHK:	WOODLAND DR @ GRAVELEY ST	DRAWING YF543
NEIGH. TRANS. ENG		Sign Plan: needed not needed By Traf. Mgt. Neigh. Trans.	i i di i ci	REVISION
		Notes:	Mosaic Bikeway	PP2286

City of Vancouver	UPDATED: Se	tember 24, 2015
Traffic Signals		BY: ENTC
	TOTALS	LEGEND
	(only installed)	LEGEND
	(only installed)	FT = fixed time
	SIGNALS	The incoming SA = semi actuated (detectors on minor street)
	1	SA = Serin actuated (detectors or minimus sueed) FA = fully actuated (detectors at all approaches) FA = fully actuated (detectors at all approaches)
	SIGNALS & SX	
	SIGNALS & SX	PCA = pedestrian / cyclist actuated signal PA = Pedestrian actuated signal (No cyclist detection)
	FT	FA = Fedesitian aduated signal (no cyclist detection)  Ba = bus activated signal  B = Superature of the superature of th
	0	Dn = Dus actuated system   Dn = Dn
	SA	5. – special recognition with retrieval pedestrial right. FL = flight lights crosswalk.
	0	TC = ingin lights discarding.  CVC = cyclist push button, detection loop, or other detection device (push button is most common)
	PCA	AUD = Audible tone on pedestrian actuation (tone: peep peep - EW, coo coo - NS)
	1	LTFA = left turn flashing arrow (protected/permitted)
	FA	LT/RT = left turn/right urn signal (protected/prohibited)
	0	FLASHER = advance "prePCAre to stop" sign
	BA	MTCS = modern traffic control system (central computer control)
	0	MTCS # = communication line/drop number
	SX	FIRE = preempted by fire hall (usually to "All red")
	0	TRAIN = preempted by train
	CYC 1	TRANSIT = prempted by transit ACT. = actuated by vehicle detector
	AUD	ACT - a ductate by the more detection  PED HOLD = pedestrians are held for right turns (or LT's on one way street)
	1	FCU NOCE * peucations are read to might utilisty to List of the way sheety  SXW, WXW, NZW, EXW = south crosswalk, west crosswalk, etc.
	MRN	EB,WB,NS = eastbound, westbound, north/south, etc.
	0	MINVEHIPED RECALL = signal timing is set to operate differently than detectors suggest
	UPS	PRMPT = signal timings can be interupted by an external user
	0	UPS = uninterpled power supply
	FH	5. С инпенаресь рока зарру
	0	
	TRAIN	FH = fire hall actuated
	0	. II = IIIe IIaii ocudated
	TR	MRN = major road network
	0	MINI - I major loda nelwork TR = truck route
	CDT	TR - ITILAN TOUR  CDT=Count down timers (Currently unable to track all locations)
	1	301 - Count down times (Currently dilable to tlack almocations)
	1.0 M/S FDW	
	0	FUNDING
	LED LIGHTING	
		EXTERNAL 0 COV 0
	0 <b>APS</b>	cov u
	0	
	CAMERA	
	0	2005
# N/S	E/W	COORD. DATE YEAR TYPE FUNDING AUD APS CYC MRN UPS CAMERA TRAIN TR CDT CDT ACTIVATION BICYCLE SIGNAL 1.0 M/S FDW 1.0 M/S FDW ACTIVATION
Commercial	Grant	612250 February 14, 1978 1978 PCA AUD (01) CYC 1 July 26, 2015

LED ACTIVATION