

# **2025 Asset Maintenance Plan**

**For Public Transit Fleet and Facilities** 

Todd M. Wood Transit Director 195 S. Hazel Dell Way Canby, OR 97013

Phone: (503) 266-0751 Email: <u>woodt@canbyoregon.gov</u> www.canbyareatransit.org



Introduction2
Mission2
Transit Asset Management
Vehicle Maintenance
Goals and Objectives (Fleet)3
Standard Operating Procedures4
Process and Forms5
Facility Maintenance
Goals and Objectives (Facilities)6
Canby Area Transit Facilities:
Standard Procedures7
Process and Forms7
Appendices List
Appendix A: Vehicle Inventory9
Appendix B: Daily Vehicle Inspection Reports (DVIR)10
Appendix C: Vehicle Preventive Maintenance Inspection Checklists
Appendix D: Annual Vehicle Inspection Report and Forms25
Appendix E: Lift or Ramp System Safety Inspection Form
Appendix F: Security Camera Preventive Maintenance Checklist
Appendix G: Task Outlines (Checklists)40
Appendix H: Facility Maintenance Log Forms42

### Introduction

This document presents vehicle and facility maintenance policies and procedures for the assets procured, operated, and maintained by Canby Area Transit (CAT) a department of the City of Canby.

CAT is supported by other City departments. For vehicle and facility maintenance the Transit Department relies on the City of Canby's Facilities, Fleet and Parks Departments to maintain all City owned properties, buildings, and equipment, including federally funded assets used for the transit services provided by Canby Area Transit. The City strives to operate safe, clean, and well-maintained facilities and equipment, using the most efficient and cost-effective maintenance practices, products, and personnel resources.

The attractiveness and functionality of CAT's vehicles and facilities are a source of City pride. Maintaining the condition of these assets in a way that increases safety and extends the useful life of the assets is the desired outcome of this policy and the goals and objectives described in the document. To keep pace with current industry standards, this plan must be flexible and capable of change and adaptation. This document will be reviewed regularly. As conditions change, the document will require revisions or modifications.

#### Mission

City of Canby's stated mission is to maintain and improve the quality of life and environment for all within the Canby Community. As a department of the City of Canby, Canby Area Transit has established the following mission statement: To serve the citizens of Canby with accessible, dependable, and efficient Public Transportation.

Both facility and vehicle maintenance play critical roles in the provision of safe, comfortable, and reliable transportation to our passengers, and effective and efficient service to the community.

### **Transit Asset Management**

In 2016, the Federal Transit Administration (FTA) published a rule, 49 CFR Part 625, to require public transit providers that receive Federal transit assistance to undertake certain transit asset management activities. Transit asset management is the strategic and systematic practice of procuring, operating, inspecting, maintaining, rehabilitating, and replacing transit capital assets to manage their performance, risks, and costs over their life cycles, for the purpose of providing safe, cost-effective, and reliable public transportation.

MAP-21 required the establishment of a National Transit Asset Management (TAM) System that would include a definition of "state of good repair;" requirements that recipients and subrecipients of federal transit funding develop transit asset management plans. The FTA established new guidelines for State Departments of Transportation. Specifically, §625.27 requires that States, acting as sponsors, develop a group TAM plan for all subrecipients under the Rural Area Formula Program (Section 5311). The sponsor is responsible for setting unified targets for the plan participants and sharing that information with MPOs that house their participating

providers. In 2018, ODOT developed its Oregon Statewide Tier II Transit Asset Management Plan in accordance with the guidelines established by the FTA.

The City of Canby along with 52 other Oregon public transit providers has requested to participate in the State of Oregon's Tier II Transit Asset Management Group Plan. So, in addition to the asset inventory records maintained by the City, Canby Area Transit is a part of the statewide Tier II Transit Asset Management Plan.

### **Vehicle Maintenance**

The City strives to protect federal and local investments through quality maintenance of CAT equipment and rolling stock. Creating a culture of safety, performing timely repairs, consistant preventive maintenance, utilization of warranties, regular cleaning and frequent inspections will save resources and maintain assets that will serve City of Canby residents for many years.

Canby Area Transit relies on the City's Fleet Department for the maintenance and repair of buses. The Fleet Department utilizes both City staff and contracted service providers, as appropriate, to maintain the CAT fleet.

#### Goals and Objectives (Fleet)

The goals and objectives of the vehicle maintenance program are:

- 1. Maintain vehicles to promote the safety and comfort of passengers, operators, and protect the public.
  - Conduct regular pre-trip inspections to identify vehicle and equipment problems and ensure vehicles are in good operating condition.
  - Conduct basic Preventive Maintenance service routines in a timely manner to identify vehicle problems and keep vehicle systems in good repair.
  - Conduct vehicle repairs in a timely manner and in accordance with industry's best practices.
  - Maintain a clean appearance for vehicles through regular interior and exterior cleaning.
- 2. Manage Preventive Maintenance and repair activities to promote the reliability of the service by minimizing service interruptions due to vehicle or equipment failure.
  - Regularly inspect vehicles to identify and correct problems to prevent service interruptions.
  - Schedule repairs promptly to minimize service interruptions.
  - Utilize subcontractors as needed to perform specialized services and to supplement City maintenance staff efforts.
  - Schedule preventive maintenance activities to maximize fleet availability during service peaks.
  - Analyze repair, road call and tow data to identify trouble-prone components or systems for pro-active attention.

- 3. Maintain vehicles and equipment to promote cost-efficiency of operations.
  - Maintain and repair vehicles to ensure their operation at peak efficiency, including fuel efficiency, emissions systems, etc.
  - Analyze fleet fuel usage and repair data; identify vehicles which may need remedial work or may need to be made inactive.
  - Maintain vehicles and related equipment to fulfill manufacturer's warranty requirements and pursue warranty repairs where applicable; research and follow up on any applicable recalls or service bulletins.
  - Maintain vehicles to maximize the useful vehicle life, including the life of key components such as tires, brakes, batteries, etc.
  - Manage the maintenance program to be cost effective in terms of staff time, service vendors and parts and supplies costs.

#### **Standard Operating Procedures**

Effective operation of the Canby Area Transit (CAT) fleet requires cooperation between the subcontracted service provider's staff and the City's Transit and Fleet Department staff. These guidelines apply to City and subcontractor staff who operate CAT vehicles:

- At the start of each driving shift, the driver performs a pre-trip inspection to ensure safety and accessibility items are operational and that any defects are recorded on the Daily Vehicle Inspection Report (DVIR). Additionally, safety issues are reported directly to the dispatcher and when necessary, vehicles are removed from service until inspected and cleared for service by a mechanic.
- 2. Each driver records beginning and ending miles for the route(s).
- 3. Each day, dispatch staff record vehicle miles driving for that day in the TripMaster database. At the end of the month an ending odometer reading is recorded for each vehicle.
- 4. Vehicle condition and mileage is entered daily into the fleet database by city staff (Fleet Maintenance Pro). The program flags the following vehicles for preventive maintenance (PM) within the specified miles:
  - Admin vehicle: 300 miles
  - Minivan: 300 miles
  - Transit Van: 500 miles
  - Cutaway Bus: 400 miles
  - Coach Bus: Two (2) at 800 miles and One (1) at 1,000 miles

This allows staff to easily identify vehicles due for PM and assure that the service is performed on or before the service due mileage. Work is scheduled in-house or outsourced as needed to meet the maintenance deadlines.

5. Specific components of each vehicle are scheduled for inspection, lubrication, cleaning, or replacement at regular intervals. The intervals are determined by published information from the vehicle or component manufacturers. In addition, such inspections may include other items or incorporate shorter intervals as recommended by maintenance staff or management.

- 6. At each service, maintenance staff record service date, odometer reading, service items, parts used, parts cost, and labor hours in Fleet Maintenance Pro as work is performed.
- 7. At regular intervals Fleet Department staff audit the data collection process and verify the completeness and timeliness of the database records. Management also works with maintenance staff to revise maintenance policy and checklists as needed, to upgrade database capabilities.
- 8. Monthly, preventive maintenance detail is reviewed for timely performance of PM services for the prior month. Quarterly, management review and consult with maintenance staff to ensure adequate resources are available for the workload.

#### **Process and Forms**

As described in the Standard Operating Procedures section of this document, City and contractor staff utilize database software, reports, and forms to manage the operation and maintenance of the CAT fleet. CAT operates four (4) basic vehicle body types in revenue service. These vehicle types are: .

- 35' Coach
- 23'-28' cutaway style (standard and low-floor)
- Transit Van
- Minivan.

Further, CAT operates both diesel and gas buses from multiple model years and manufacturers.

Copies of the following documents are included as appendices:

#### 1. Appendix A: Vehicle Inventory

This attachment lists the CAT vehicles in the fleet as of the date of this document.

#### 2. Appendix B: Daily Vehicle Inspection Reports (DVIR)

The DVIRs are used by drivers each day and reviewed daily by dispatch, City Transit and Fleet Department staff.

#### 3. Appendix C: Vehicle Preventive Maintenance Inspection Checklists

These checklists show the components inspected by the mechanics during each preventive maintenance inspection.

#### 4. Appendix D: Annual Vehicle Inspection Report and Forms

As required by ODOT and the FTA, in addition to recording annual inspections in the database a paper copy of the Annual Vehicle Inspection Report is filed for each CAT vehicle annually. The associated forms detail by vehicle body style the items and components inspected annually.

#### 5. Appendix E: Lift or Ramp System Safety Inspection Form

All CAT vehicles have either a ramp or a lift for wheelchair access to the vehicle. This equipment is inspected and maintained according to manufacturer's recommendations.

#### 6. Appendix F: Security Camera Preventive Maintenance Checklist

All CAT vehicles except the minivan have AngelTrax security camera systems. This equipment is also inspected and maintained according to manufacturer's recommendations.

### **Facility Maintenance**

Guarding the public investment in Canby facilities requires the same effort described in the Vehicle Maintenance section of this document. The City maintains CAT facilities and equipment by creating a culture of safety, performing timely repairs, consistant preventive maintenance, utilization of warranties, regular cleaning and frequent inspections which save resources and maintain assets that will serve City of Canby residents for many years.

#### **Goals and Objectives (Facilities)**

The following describes the policy elements employed to ensure that facilities receive a level of care and maintenance which allows them to remain in a state of good repair throughout their service life.

- 1. At the highest level the goals and objectives for the maintenance of the City's transit facilities are to:
  - Ensure that City facilities perform effectively and efficiently.
  - Ensure that associated risks are adequately addressed and effectively managed.
  - Establish priority levels based on possible impacts to the delivery of services.
  - Identify and implement best management practices.
  - Establish practices that meet or exceed all statutory and industry requirements.
  - Clarify the appropriate separation of duties between City departments and subcontractors to assure all maintenance tasks are accomplished.
  - Maintain a clean appearance of facilities through regular cleaning.
- 2. Maintain facilities and equipment to promote cost-efficiency of operations.
  - Maintain and repair facilities to ensure their operation at peak efficiency.
  - Analyze energy or water usage and repair data; identify solutions as appropriate.
  - Take full advantage of manufacturer's warranties, track warranty status on all facilities and sub components.
  - Establish maintenance practices that maximize the useful life of the facility.
  - Manage the maintenance program to be cost effective in terms of staff time, service vendors and parts and supplies costs.

#### Canby Area Transit Facilities:

The City of Canby owns one facility on behalf of Canby Area Transit that was funded in part with Federal Transit Administration funds. The Canby Transit Center is located at 100 NE 1<sup>st</sup> Avenue, Canby, OR 97013.

Canby Transit Center includes:

- <u>Shelter Paved Area</u>: concrete/pervious-paver waiting area with two (2) bus shelters, four (4) benches, two (2) trash cans, two (2) bike racks, one (1) information triosk, two (2) bus stop signs, lighting, landscaping and security cameras.
- One (1) prefabricated cinderblock building with one (1) driver breakroom/locker room, one (1) restroom for drivers, one (1) public restroom, and a utility room.

- <u>Gazebo Paved Area</u>: contrete waiting area with one (1) cinderblock gazebo with a 4 faced clock, round brick bench inside the gazebo, seven (7) round planters, three (3) trash cans and one (1) bike rack.
- An asphalt driveway with sidewalk and accessable area for buses to board/deboard riders.

#### **Standard Procedures**

The Facilities and Parks Departments of the City cooperatively oversee the maintenance of the Canby Transit Center. The Facilities Department staff manage a contract for janitorial service of the driver breakroom/locker room and driver restroom. They are also responsible for general upkeep of the building and maintenance of fixtures and equipment both inside and outside the building. Parks Department staff clean the public restroom. They also clean the bus shelters and oversee the trash removal, sweeping, graffiti removal and general cleaning and landscaping of the paved portions of the facility.

The facility janitorial serivce workers and the Parks Department staff attend to the general cleanliness of the Canby Transit Center at least two (2) times each week. At which time the general condition of the facility is also inspected and issues are addressed as needed. Parks and Facility Department staff are available upon request to address any issues that arise during CAT's daily operation. The Facility Department maintains all equipment, fixtures, appliances and the general upkeep of the facility.

A system for logging janitorial and maintenance tasks as well as facility safety and condition has been established. A janitorial log is available to the contracted janitorial staff. Additionally, City staff maintain a notebook which contains checklists and logs for maintenance tasks, janitorial monitoring, facility repair and inspection tasks.

#### **Process and Forms**

As described above, the Facilities and Parks Departments of the City oversee the maintenance of the Canby Transit Center. The Facilities Department manages a contract for janitorial service of the driver breakroom/locker room and driver restroom; and are responsible for general upkeep of the building. The Parks Department maintains the public restroom, the bus shelters and trash removal, sweeping, graffiti removal and general cleaning and landscaping of the facility. Copies of the following documents which provide more detail regarding the tasks performed are included as:

#### Appendix G: Task Outlines (Checklists)

The Facilities and Parks Maintenance Tasks and Weekly/Monthly Outline and the Facilities & Parks Maintenance Tasks Quarterly/Annually Outline are checklists of the tasks with the associated frequency that the tasks are performed.

#### Appendix H: Facility Maintenance Log Forms

The Janitorial Log, Weekly/Monthly Maintenance Log, and Quarterly/Annually Maintenance Log list the tasks from the checklists according to the department or service provider responsible for the task.

### **Appendices List**

#### **Appendix A: Vehicle Inventory**

#### **Appendix B: Daily Vehicle Inspection Reports (DVIR)**

#### **Appendix C: Vehicle Preventive Maintenance Inspection Checklists**

Coach 10,000 Mile Coach 8,000 Mile Gas Cutaway 4,000 Mile Transit Van 5,000 Mile Minivan 3,000 Mile

#### Appendix D: Annual Vehicle Inspection Report and Forms

Annual Vehicle Inspection Report Form Coach Inspection Forms Cutaway Inspection Forms Minivan Inspection Forms

#### Appendix E: Lift or Ramp System Safety Inspection Form

#### **Appendix F: Security Camera Preventive Maintenance Checklist**

AngelTrax

#### Appendix G: Task Outlines (Checklists)

Weekly – Monthly Outline Quarterly – Annually Outline

#### **Appendix H: Facility Maintenance Log Forms**

Janitorial Log Weekly – Monthly Log Quarterly – Annually Log

# Appendix A: Vehicle Inventory



Canby Area Transit - Vehicle Fleet

AREA TRANSIT

VEHICLE	YEAR	MAKE	VIN #	PLATE #	LENGTH	FUEL	BODY
Bus 28	2013	GILLIG	15GGB2719D1182065	E261557	35 ( 420" )	Diesel	COACH
Bus 29	2013	GILLIG	15GGB2710D1182066	E261558	35 ( 420" )	Diesel	COACH
MV-30	2013	DODGE CARAVAN	2C4RDGCG8ER187479	E261568	19' (228'')	Gas	MINI-VAN
Bus 31	2016	ARBOC	1GB6G5BG8F1245245	E266563	23' (276'')	Gas	CUT-AWAY
Bus 32	2016	ARBOC	1GB6G5BGXF1245781	E266564	26' (312'')	Gas	CUT-AWAY
Bus 33	2016	ARBOC	1GB6G5BG0F1248530	E266565	26' (312'')	Gas	CUT-AWAY
S-34	2004	CHEVY	2G1WF52EX49234326	E228356		Gas	SEDAN
Bus 35	2018	ARBOC	1HA6GUBB1JN008040	E279209	28' (336'')	Gas	CUT-AWAY
Bus 36	2018	ARBOC	1HA6GUBB0JN008000	E279210	23' (276'')	Gas	CUT-AWAY
Bus 37	2018	ARBOC	1HA6GUBB6JNOO8082	E279211	23' (276'')	Gas	CUT-AWAY
Bus 38	2019	ARBOC	1HA6GUBG1KN002509	E284783	28' (336'')	Gas	CUT-AWAY
Bus 39	2019	ARBOC	1HA6GUBG8KN002779	E284782	28' (336'')	Gas	CUT-AWAY
Bus 40	2021	ARBOC	1HA6GUB75MN013242	E284798	28' (336'')	Gas	CUT-AWAY
Bus 41	2021	ARBOC	1HA6GUB76MN013203	E284797	28' (336'')	Gas	CUT-AWAY
Bus 42	2021	GILLIG	15GGB2711M3195333	E289572	35' ( 420" )	Diesel	COACH
TVan 43	2022	Ford Transit 350	1FDVU4X88NKA06892	E286655	20' (240'')	Gas	TRANSIT VAN

### **Appendix B: Daily Vehicle Inspection Reports (DVIR)**

#### **Coach DVIR:**

# CITY OF CANBY TRANSIT DAILY VEHICLE INSPECTION REPORT (DVIR) FOR AIR BRAKE BUSES

VEHICE	L #.		MATE.	DRIVERS	ARST & DAST I NAME.				31/	ARIN	nuu 3.	START TIME.	LIND MILLES.	END TIME.
				1										
				2				-						
				-				-+-						
				3										
	A	NY	ITEM I	N **BOLD THAT IS UNS	ATISFACTORY MUST	BE	CAL	LED	IN	PRIC	OR TO	DEPARTURE	OR WHEN FO	UND
				✓ = Satis	factory			<b>X</b> =	= U	nsat	isfact	tory		
1	2	2	3				1	2	Ĩ	3				
• 15		tt	0 ti	Inspection	n Item:		ti		5		ž	Ins	spection Item:	
Pa B	Pre	Post	Pre	-		Pre	Post	Page 1	Post	Pre	10 <sup>2</sup>		-	
				TIRES & WHEELS:								STEERING SYST	EM:	
				Visual Inspection of Tires & 1							**s	teering Wheel has	No Excessive Play	(2 inches)
				**Wheels and Rims free of Cra	cks, Welds & Objects							VEHICLE GLAS	S:	
				**Lug Nuts Tight w/no Rust & I	Damage						•••	Vindshield has no	Chips or Cracks in I	Drivers View
				ENGINE & FLUIDS:							•••N	Airrors have No M	ajor Chips or Crack	s
				**Visual Check Under Vehicle f	or Fresh Leaks						••v	isual Check of Em	ergency Exit Wind	ows & Hatch
				**Check Oil Level								VEHICLE LIGHTI	NG:	
				Visual Check of Transmission								leadlights (High &		
				**Visual Check of Coolant Main	& Overflow Tanks						**B	rake Lights Worki	ng	
				**Visual Check of Power Steeri	ng Area for Leaks						**B	ack-up Lights Wor	king	
				**Check Belts/Hoses for Cracks	, Abrasions, Cuts & Frays						Bac	k-up Alarm Workin	g	
				**Check Battery Cut-off Switch	Area for Corrosion						••T	urn Signals & 4-wa	ay Flashers Workin	g
				Check Windshield Washer Fluid	Level						Clea	arance Lights Work	ing	
				Check DEF Fluid Gauge (Note if	under 1/4 a tank)							VEHICLE INTERI	OR:	
				BRAKES & TESTING:							Sea	ts & Cushions in W	orking Order/Cond	ition
			AIR	BRAKE TEST (ENGINE/POWER	DFF):						••s	eat Belts in Worki	ng Order	
				Applied Brake Loss Test (Less	s than 3psi) in 60 seconds						2-W	/ay Radio Working	Properly	
				**Unapplied Brake Loss Test, R	elease Parking Brake (Less							dshield Wipers in 1	Working Order	
				than 3psi) in 60 seconds							Hor	n Test Completed		
			AIR BRA	KE TEST (ENGINE OFF & AUX PO							Veh	icle Registration &	Insurance Present	& Visible
				**Low Warning Alarm Test (Be	low 60psi)						Che	cked Floor and Bel	t Securements	
				**Emergency Stop Test & Park	ing Brake (Below 45 psi)							SAFETY EQUIPM	ENT:	
				AIR BRAKE TEST (ENGINE ON):							Firs	t Aid Kit Stocked ar	nd Present	
				**Cut Out Air Test (About 130)	psi)						Bio	Hazard Kit Stocked	and Present	
				**Cut in Air Test (About 85psi)							Visu	ual Check of Triang	les Reflectors (3 To	tal)
				Parking Brake Roll Test							••F	ire Extinguisher Pr	esent, Fully Charg	ed & Secure
				**Brake Pedal Working Norma	lly						Sea	t Belt Cutter Prese	nt	
				DOORS & RAMPS:								CLIMATE CONTR	IOLS:	
				**Door & Ramp Interlock in W									itioner in Working	Order
				**Ramp Deployed & Stowed P	roperly & in Working						Fro	nt & Rear Heater in	Working Order	
				**Passenger Door in Working (								ront Defroster in V		
D	ocu	ME	NT BEL	OW ANY MECHANICAL IS	SUES ONLY (Use Drive	r Sid	le, P	asse	nge	er Sid	le, Fro	ont and Rear in	Location Desc	riptions):
	-								0					
					DRIVER SIG	2NLA:	TUP	50.						
_					DRIVER SIG	AMC	IUK	C9:			_	_		
	DR	IVER	#1 PRF-	TRIP SIGNATURE	DRIVER #2 PRE-	TRIP	SIGN	ATUR	E		-	DRIVE	R #3 PRE-TRIP SIGN	IATURE
	2010				STATEM OF THE				-			Child Ch		
									_					
	DRIVER #1 POST-TRIP SIGNATURE DRIVER #2 POST			-TRIP SIGNATURE DRIVER #3 POST-TRIP SIGNATURE							NATURE			
	**CITY U					SE O	NLY	••						
Re	view	ved		Work Order	#:		1							
No	ted	for	Repai		-		•	_			Mer	hanic/Technik	cians Signatur	
			vehai								wiet	name reenni	ciaris signatur	-
Re	pair	ed		Notes:										
Co	uld i	not	Dupli	cate Problem										
			-					-			Fle	et Administra	tor Signature	

CAT DVIR REV 1 (08/2021)

### **Cutaway DVIR:**

VEHICLE #:	1	DATE		DRIVER'S (FIRST & LAST) NAME:				51	TART	MILE	S: START TIME:	END MILES:	END TIM
				1									
	L			-			_						
	L			2									
				3									
ANY	ITE	MI	۷ *	*BOLD THAT IS UNSATISFACTORY MUST	BE	CA	LLE	DI	ΝP	RIO	R TO DEPARTU	RE OR WHEN	N FOUND
				✓ = Satisfactory							actory		
1	2	3				1	2	2		3			
15 e	15		ti	Inspection Item:	•	ti		15		뛍	In	spection Item:	
Post	Po	Pre	Pa		P	Post	Pre	Post	Pre	Pa		·	
	_			TIRES & WHEELS:							VEHICLE GLAS		
				**Visual Inspection of Tires & Tread							"Windshield has no		
				**Wheels and Rims free of Cracks, Welds & Objects							Mirrors have No Ma	<u> </u>	
				**Lug Nuts Tight w/no Rust & Damage							*Visual Check of Eme		ows
			_	ENGINE & FLUIDS:		_			_		VEHICLE LIGHTI		
				**Visual Check Under Vehicle for Fresh Leaks							"Headlights (High &	<u> </u>	
				**Check Oil Level							*Brake Lights Working	-	
				**Visual Check of Transmission Fluid Area for Leaks							Back-up Lights Wor	-	
				**Visual Check of Coolant Tank for Level and Leaks							Back-up Alarm Workin	•	
			_	**Visual Check of Power Steering Area for Leaks							*Turn Signals & 4-wa		8
			_	**Check Belts/Hoses for Cracks, Abrasions, Cuts & Frays	Clearance Lights Working								
			_	**Check Battery for Corrosion	VEHICLE INTERIOR:								
				Check Windshield Washer Fluid Level							Seats & Cushions in W		lition
				BRAKES & TESTING:							*Seat Belts in Working	-	
	_			Prior to Turning On Bus:						-	2-Way Radio Working		
				**Press Brake Pedal (Hold) & Listen for Noise						-	Windshield Wipers in \	Working Order	
				Turn On Bus:							Horn Test Completed		
				**Press Brake for 5 seconds. Pedal does not move.							Vehicle Registration &	Insurance Present	& Visible
	Park	ing B	rake	Test *No Application of Gas, Bus is in Neutral*							Checked Floor and Bel		
				**Apply Parking Brake & it holds							SAFETY EQUIPM	IENT:	
				**Apply Service Brake, Place in Reverse, Set Parking Brake,							First Aid Kit Stocked an	nd Present	
				and Release Service Brake. Bus Holds and does not move.							Bio-Hazard Kit Stocked	and Present	
				STEERING SYSTEM:							Visual Check of Triang	es Reflectors (3 To	tal)
				**Steering Wheel has No Excessive Play (2 inches)							**Fire Extinguisher Pr	esent, Fully Charge	ed & Secure
				DOORS & RAMPS:							Seat Belt Cutter Preser	nt	
				**Ramp/Lift Deployed & Stowed Properly							CLIMATE CONTR	IOLS:	
				**Vehicle Interlock Working (If Equipped)							Front & Rear Air Condi	tioner in Working	Order
				**Passenger Door in Working Order							Front & Rear Heater in	Working Order	
				**Door/Interior Lights in Working Order							**Front Defroster in V	Vorking Order	

DOCUMENT BELOW	ANY MECHANICAL ISSU	JES ONLY (Use Driver Side, Passenger Si	de, Front and Rear in Location Descriptions):
		DRIVER SIGNATURES:	
DRIVER #1 PRE-TRIP SI	GNATURE	DRIVER #2 PRE-TRIP SIGNATURE	DRIVER #3 PRE-TRIP SIGNATURE
DRIVER #1 POST-TRIP S	IGNATURE	DRIVER #2 POST-TRIP SIGNATURE	DRIVER #3 POST-TRIP SIGNATURE
	-	**CITY USE ONLY**	
<b>-</b> .	Work Order #	:	
Reviewed			
Noted for Repair			Mechanic/Technicians Signature
Repaired	Notes:		
Could not Duplicate F	Problem		
			Fleet Administrator Signature

...

### Transit Van/Van DVIR:

		<u>c</u>	'TI	Y O	FC	ANBY TRANSIT DAILY VEHICLE INS	PE	СТІ	0	NR	EP	OR	T (DVIR) FOR	TRANSIT \	ANS		
V	HIC	LE #:		DAT	E:	DRIVER'S (FIRST & LAST) NAME:				S	TART	MIL	ES: START TIME:	END MILES:	END TIME:		
F			T			1				1							
L						2				-							
L						2				-							
						3											
			AN	Y IT	EM	IN **BOLD THAT IS UNSATISFACTORY MUST	BE	CAL	LE	D IN	I PR	IOR	TO DEPARTURE	OR WHEN FO	UND		
	✓ = Satisfactory							X	=	Ins	atist	factory					
	1 2 3			<b>—</b>	1	L.	2		3								
•	ts		15		ost	Inspection Item:	•	15		15	•	*	Ins	spection Item:			
ę.	8	ę.	Post	Pre	8		Pre	Post	æ	Post	Pre	Post		-			
					_	TIRES & WHEELS:			_			_	VEHICLE GLAS				
						**Visual Inspection of Tires & Tread							**Windshield has no C				
						**Wheels and Rims free of Cracks, Welds & Objects							**Mirrors have No Ma				
						**Lug Nuts Tight w/no Rust & Damage							**Visual Check of Eme	× 1	ws		
						ENGINE & FLUIDS:							VEHICLE LIGHTI	NG:			
						**Visual Check Under Vehicle for Fresh Leaks							**Headlights (High & I	Low) Working			
						**Check Oil Level							**Brake Lights Workin	8			
						**Visual Check of Transmission Fluid Area for Leaks							**Back-up Lights Work	king			
						**Visual Check of Coolant Tank for Level and Leaks							Back-up Alarm Workin	5			
	Τ		Т			**Visual Check of Power Steering Area for Leaks							**Turn Signals & 4-wa	y Flashers Workin	5		
	Γ	Г	Т			**Check Belts/Hoses for Cracks, Abrasions, Cuts & Frays							Clearance Lights Working (If Equipped)				
						**Check Battery for Corrosion	VEHICLE INTERIOR:										
						Check Windshield Washer Fluid Level							Seats & Cushions in We	orking Order/Cond	ition		
						BRAKES & TESTING:							**Seat Belts in Working Order				
						Prior to Turning On Bus:							2-Way Radio Working	Properly			
						**Press Brake Pedal (Hold) & Listen for Noise			Г				Windshield Wipers in V	Norking Order			
						Turn On Bus:							Horn Test Completed				
						**Press Brake for 5 seconds. Pedal does not move.							Vehicle Registration &	Insurance Present	& Visible		
			Par	king	Brake	Test "No Application of Gas, Bus is in Neutral"							Checked Floor and Belt	t Securements			
		Г				**Apply Parking Brake & it holds							SAFETY EQUIPM	ENT:			
Г		Г		Г		**Apply Service Brake, Place in Reverse, Set Parking Brake,							First Aid Kit Stocked an	id Present			
						and Release Service Brake. Bus Holds and does not move.			L				Bio-Hazard Kit Stocked	and Present			
						STEERING SYSTEM:							Visual Check of Triangle	es Reflectors (3 To	tal)		
						**Steering Wheel has No Excessive Play (2 inches)							**Fire Extinguisher Pre	esent, Fully Charge	d & Secure		
						DOORS & RAMP/LIFT:							Seat Belt Cutter Preser	nt			
						**Ramp/Lift Deployed & Stowed Properly							CLIMATE CONTR	OLS:			
						**Vehicle Interlock Working (If Equipped)							Front & Rear Air Condi	-	Order		
						**Passenger Door in Working Order							Front & Rear Heater in	Working Order			
		Ĩ				**Door/Interior Lights in Working Order							**Front Defroster in W	Vorking Order			

DOCUMENT BELOW ANY MECHANICA	L ISSUES ONLY (Use Driver Side, Passenger S	ide, Front and Rear in Location Descriptions):
	DRIVER SIGNATURES:	
DRIVER #1 PRE-TRIP SIGNATURE	DRIVER #2 PRE-TRIP SIGNATURE	DRIVER #3 PRE-TRIP SIGNATURE
DRIVER #1 POST-TRIP SIGNATURE	DRIVER #2 POST-TRIP SIGNATURE	DRIVER #3 POST-TRIP SIGNATURE
	**CITY USE ONLY**	
Reviewed Work Or	der #:	
Noted for Repair		Mechanic/Technicians Signature
Repaired Notes	:	
Could not Duplicate Problem		
		Fleet Administrator Signature

# **Appendix C: Vehicle Preventive Maintenance Inspection**

### Coach 10,000 mile

		21 Gillig G27B Low floor 27B Low floor	Unit #: Tag #: Mileage	20042 E289572 37,444	Serial #: Chassis Seria Engine Serial	
Date	of Insi	pection:				
2						
Name	e of Te	chnician:				
Tech	nician	Signature:				
Task	Type:	Cleaning				
ок	Fault		Notes			
		HVAC Condensor Screen Cleaned				
		HVAC Screens Cleaned				
Taek	Type	Drain				
	Fault		Notes			
UK	rauit		Notes			
		Drain air Tanks				
Task	Type:	Fill				
ок	Fault		Notes			
		Washer fluid Level				
Task	Type:	Fluids				
ок	Fault		Notes			
		Change Oil and Filter				
Task	Type:	Inspection				
	Fault	inspection	Notes			
UK	rauit		Notes			
		Air Brake components/ Lines Inspection				
Ц	Ц	Air Brake stroke Measurments				
		Air Filter Inspection				
		Battery and Cable Inspection Bike Rack Inspection				
H	H	Chassis Inspection (Frame and				
		Crossmembers) Cooling system Inspection(Check hoses,				
		belts and freeze point)				
	$\Box$	Driver Dash Guages operation and Lighting				
		Drivetrain Inspection And fluid level check				
		Emergency Exit Inspection (Open exits and test operation of exit warning system)				
		Engine Compartment Inspection Part				
		Securement/ Fluid Leaks Exhaust System Inspection				
		Exterior Body Damage Inspection				
		Exterior light Inspection				
		Front Suspension Inspection				

20042 - 202 2021 Gillig G	<b>1 Gillig G27B Low floor</b> 27B Low floor	Unit #: Tag #: Mileage	20042 E289572 37,444	Senal #: 15GGB2711M3195333 Chassis Seria 195333 Engine Serial 74777501
Task Type:	Inspection			
OK Fault		Notes		
	Fuel Tank, Fuel cap and line Inspection HVAC System Operation Horn Inspection Air/ Electric Interior Inspection (check seats, seatbelts, stanchions, overhead handles/bars for securement Mirror Inspection Power steering Fluid Rear Suspension Inspection Safety Equipment Inspection(1-Fire Ext. 2-Triangles 3-firstaid kit 4-biohazard kit 5-Seatbelt cutter Steering component Inspection(check tie-rods/steering Arm/Pitman Arm/Drag link and steering Box) Transmission fluid Level and Condition Wheel / Tire Inspections and Tread Measurements	Notes		
	Wheelchair Ramp Interlock operation Wheelchair Ramp Lubrication( lube hinges and chains) Wheelchair Ramp Surface condition Wheelchair Ramp mounting Bolt Securement Wheelchair Ramp wiring Inspection Windshield and Wiper inspection			
Task Type:	Lubricate	Natas		
OK Fault		Notes		
	Lube Chassis			
Task Type:	Measure			
OK Fault		Notes		
	Brake Lining Measurements			
Task Type:	Normal			
OK Fault		Notes		
	Angeltrax Camera Test			
Task Type:	Testing			
OK Fault		Notes		
	Air Brake Leakage Tests for Service and Parking Brakes Air Brake Low Air Warning/Protection Valve Test			

PM Inspection Checklist		Inno	ovative Ma	aintenance Systems
20042 - 2021 Gillig G27B Low floor 2021 Gillig G27B Low floor	Unit #: Tag #: Mileage	20042 E289572 37,444	Serial #: Chassis Seria Engine Serial	
Task Type: Testing OK Fault Air compressor Cut in /Cut out pressure Test	Notes			

### Coach 8,000 mile

PM Inspection Checklist	Innovative Maintenance Systems
20028 - Gillig 2013 Gillig G27B102N4	Unit #: 20028 Serial #: 15GGB2719D1182085 Tag #: E261557 Engine Serial 73585619 Mileage 308,251 In Service Da 12-20-2013
Technician Signature:	
Task Type: Cleaning         OK Fault         Image: HVAC Condensor Screen Cleaned         Image: HVAC Screens Cleaned         Task Type: Drain         OK Fault         Image: Drain air Tanks         Task Type: Fill         OK Fault         Image: Washer fluid Level	Notes Notes Notes
Task Type: Fluids OK Fault Change Oil and Filter	Notes
Task Type: Inspection OK Fault D Air Brake components/ Lines Inspection	Notes
Air Brake stroke Measuments         Air Filter Inspection         Battery and Cable Inspection         Bike Rack Inspection         Chassis Inspection (Frame and Crossmembers)         Cooling system Inspection(Check hoses, belts and freeze point)         Driver Dash Guages operation and Lighting         Drivetrain Inspection And fluid level check         Emergency Exit Inspection (Open exits and test operation of exit warning system         Engine Compartment Inspection Part Securement/ Fluid Leaks         Exhaust System Inspection         Exterior Body Damage Inspection	k
Exterior light Inspection Front Suspension Inspection	

### PM Inspection Checklist

### Innovative Maintenance Systems

20028 - 2013 Gilli		lig 27B102N4	Unit #: Tag #: Mileage	20028 E261557 308,251	Serial #: 15GGB2719D1182065 Engine Serial 73585619 In Service Da 12-20-2013
Task Ty	pe:	Inspection			
OK Fa	ult		Notes		
		Fuel Tank, Fuel cap and line Inspection HVAC System Operation Horn Inspection Air/ Electric Interior Inspection (check seats,seatbelts,stanchions,overhead			
		handles/bars for securement Mirror Inspection Power steering Fluid Rear Suspension Inspection Safety Equipment Inspection(1-Fire Ext. 2. Triangles 2. Firstial kit 4 biohearers kit			
		2-Triangles 3-firstaid kit 4-biohazard kit 5-Seatbelt cutter Steering component Inspection(check tie-rods/steering Arm/Pitman Arm/Drag link and steering Box) Trapsmission fluid Level and Condition			
		Transmission fluid Level and Condition Wheel / Tire Inspections and Tread Measurements Wheelchair Ramp Interlock operation Wheelchair Ramp Linkage Inspection Wheelchair Ramp Lubrication( lube hinges and chains) Wheelchair Ramp Surface condition Wheelchair Ramp mounting Bolt Securement Wheelchair Ramp operation(check for abnormal noises) Wheelchair Ramp wiring Inspection Windshield and Wiper inspection			
	-	Lubricate			
		Lube Chassis	Notes		
OK Fa	-	Measure	Notes		
Task Ty	] pe:	Brake Lining Measurements			
OK Fa		Angeltrax Camera Test	Notes		
Task Typ OK Fat		-	Notes		
		Air Brake Leakage Tests for Service and			

17

PM Inspection Checklist	Innovative Maintenance Systems
20028 - Gillig 2013 Gillig G27B102N4	Unit #: 20028 Serial #: 15GGB2719D1182065 Tag #: E261557 Engine Serial 73585619 Mileage 308,251 In Service Da 12-20-2013
Task Type: Testing OK Fault	Notes
Parking Brakes Air Brake Low Air Warning/Protection Valve Test Air compressor Cut in /Cut out pressure Test	

#### Gas Cutaway 4,000 mile

PM Inspection Checklist		Inn	ovative M	aintenance Systems
20031 - 2015 Chevrolet CG33803 2015 Chevrolet CG33803	Unit #: Tag #: Mileage	20031 E266563 113,940	Serial #: Body Id # Body Make	1GB8G5BG8F1245245 55903 ARBOC
Date of Inspection:				
Name of Technician:				
Technician Signature:				
Task Type: Cleaning				
OK Fault	Notes			
Clean HVAC Screens				
Task Type: Drain				
OK Fault	Notes			
Drain Air Tanks				
Task Type: Fill				
OK Fault	Notes			
Washer Fluid Level				
Task Type: Fluids				
OK Fault	Notes			
Change Oil and filter				
Task Type: Inspection				
OK Fault	Notes			
Air Filter Inspection				
Battery and Cable Inspection				
Bike Rack Inspection				
Brake Fluid Inspection				
Brake Inspection and Lining/Pad measurement				
Cooling System Inspection(check hoses,belts,coolant level and freeze				
point) Drivetrain Inspection and fluid level check				
Emergency Exit inspection (open and test				
operation of exit warning system) Exterior Inspection (Lights, Mirrors and				
Damage)				
Front Suspension Inspection				
seats,seatbelts,and grab bars)				
Power steering Fluid     Rear Supposing Inspection				
Rear Suspension Inspection     Safety Equipment Inspection(1-Fire Ext.				
2-Triangles 3-firstaid kit 4-biohazard kit 5-Seatbelt cutter				

### PM Inspection Checklist

### Innovative Maintenance Systems

20031 - 201 2015 Chevrol	5 Chevrolet CG33803 let CG33803	Unit #: Tag #: Mileage	20031 E266563 113,940	Serial #: Body Id # Body Make	1GB8G5BG8F1245245 55903 ARBOC
Task Type:	Inspection				
OK Fault		Notes			
	Steering system Inspection(check tie-rods,idler arms,steering arm and steering box) Tire Air pressure check and Tread depth measurements Tire/ wheel Inspection Transmission fluid level and Condition WheelChair Ramp Interlock Operation Test Wheelchair Ramp Decals all Affixed Wheelchair Ramp Hose and fitting inspection Wheelchair Ramp Hydraulic System fluid level inspection Wheelchair Ramp Lubrication( lube hinges and chains) Wheelchair Ramp Overall Operation(check for abnormal Noises) Wheelchair Ramp Platform Linkage/chain Condition Wheelchair Ramp Surface condition Wheelchair Ramp mounting Bolts Securement Wheelchair Ramp wiring Inspection Lubricate				
OK Fault		Notes			
	Lube Chassis				
Task Type:	Normal				
OK Fault		Notes			
	Angeltrax Camera Test Chassis Inspection ( Frame and Crossmembers) Driver Guage check Engine Compartment Inspection ( Leaks/ Loose Parts) Fuel System Inspection Horn / Back up Alarm Test Windshield and Wiper System Inspection				
Task Type:	Torque				
OK Fault		Notes			
	Torque Lugnuts				

20

#### Transit Van 5,000 mile

PM Inspection Checklist			1	nnovative I	Maintenance Systems
20043 - 2022 Ford Transit 350 Wagon DRV 2022 Ford Transit 350 Wagon DRW	v	Unit #: Tag #: Mileage	20043 E286655 46,443	Serial #:	1FDVU4X88NKA06892
Date of Inspection:					
Name of Technician:					
Technician Signature:					
Task Type: Cleaning					
OK Fault	Not	es			
Clean HVAC Screens					
Task Type: Fill					
OK Fault	Not	es			
Washer fluid Level					
Task Type: Fluids					
OK Fault	Not	es			
Change Oil and Filter					
Task Type: Inspection					
OK Fault	Not	es			
Air Filter Inspection         Battery and Cable Inspection         Brake Fluid Level         Brake Inspection and measurements         Cooling system Inspection(Check hoses, belts and freeze point)         Drivetrain Inspection And fluid level check         Emergency Exit Inspection         Exterior light Inspection         Interior Inspection         Interior Inspection         Interior Inspection         Power steering Fluid         Rear Suspension Inspection         Safety Equipment Inspection(1-Fire Ext. 2-Triangles 3-firstaid kit 4-biohazard kit 5 Coathel warter					
5-Seatbelt cutter Steering component Inspection(check tie-rods,idler arm,steering Arm and					
Steering Box)     Tire Air pressure check and Tread depth     measurements     Tire/ wheel Inspection     Torque Lugnuts     Transmission fluid Level and Condition					

PM I	Inspect	tion C	hecklist

PM Inspe	ection Checklist		In	novative l	Maintenance Systems
	022 Ford Transit 350 Wagon DRV Transit 350 Wagon DRW	V Unit #: Tag #: Mileage	20043 E286655 46,443	Serial #:	1FDVU4X88NKA06892
Task Type	: Inspection				
OK Faul	t	Notes			
	Wheelchair Lift Control Pendant Operation Wheelchair Lift Decals all Affixed Wheelchair Lift Handrail/seatbelt condition Wheelchair Lift Inner Roll Stop Operation Wheelchair Lift Platform Outer roll stop operation Wheelchair Ramp/Lift Hydraulic System fluid level inspection Wheelchair Ramp/Lift Hydraulic System fluid level inspection Wheelchair Ramp/Lift Interlock Operation Wheelchair Ramp/Lift Overall Operation(check for abnormal Noises) Wheelchair Ramp/Lift mounting Bolts Securement Wheelchair Ramp/Lift wiring Inspection Wheelchair Ramp/Lift Linkage/Chain Condition Wheelchair Ramp/Lift Hose and fitting inspection				
Task Type	hinges and chains) : Lubricate				
OK Faul	t	Notes			
	Lube Chassis				
Task Type					
	Angeltrax Camera Test Chassis Inspection (Frame and Crossmembers) Driver Guage check Engine Compartment Inspection (Leaks/ Loose Parts) Fuel System Inspection Horn / Back up Alarm Test Windshield and Wiper System Inspection	Notes			

#### Minivan 3,000 mile

### Preventive Maintenance (3,000 mi or every 6 months; whichever is first)

PM Insj	pection Checklist		In	nnovative N	laintenance Systems
20030 - 2014 Doc	<b>2014</b> dge Grand Caravan	Unit #: Tag #: Mileage	20030 E261568 19,265	Serial #:	2C4RDGCG8ER187479
Date of	Inspection:				
Name of	f Technician:				
Technic	ian Signature:				
Task Ty	pe: Fluids				
OK Fa	ult	Notes			
	Washere Fluid Fill				
Task Ty	pe: Inspection				
OK Fa	ult	Notes			
	Brake Inspection				
	Check Brake fluid and Power steering fluid				
	Check Transmission fluid Level and condition				
	Check all factory Lights				
	Drive Train Inspection and fluid Level				
	check Fire Extinguisher/First Aid kit				
	Front Suspension Inspection				
	Inspect Battery and charging system				
	Inspect Belts and Hoses				
	Inspect air Filter				
	Note any body Damage				
	Rear Suspension Inspection				
	Steering and Suspension Inspection				
	Steering component Inspection(check tie-rods,idler arm,steering Arm and				
	steering Box) TireTread Depth and air Pressure				
	inspection Wheelchair Ramp Lubrication( lube				
	hinges and chains) Wheelchair Ramp Overall				
	Operation(check for abnormal Noises) Wheelchair Ramp Platform Linkage/chain				
	Condition Wheelchair Ramp Surface condition				
	Wheelchair Ramp mounting Bolts				
	Securement Wheelchair Ramp/Lift Interlock Operation				
	Wheelchair Ramp/Lift- Linkage/Chain				
	Condition				
Task Ty	pe: Lubricate				

OK Fault

Notes

### PM Inspection Checklist

Innovative Maintenance Systems

20030 - 2014	Unit #:	20030	Serial #:	2C4RDGCG8ER187479
2014 Dodge Grand Caravan	Tag #: Mileage	E261568 19,265		
Task Type: Lubricate				
OK Fault	Notes			
Lube chassis				
Task Type: Normal				
OK Fault	Notes			
Horn / Back up Alarm Test				
Task Type: Replace				
OK Fault	Notes			
Oil and Filter change				

# **Appendix D: Annual Vehicle Inspection Report and Forms**

	ANNON	The Viertin	OLL II	SPECTION				
								E HISTORY RECORD
			-		REPORT		FLEET UNIT NUMBER	
					DATE	_		
IOTOR CARRIER O	PERATOR			INSPECTOR'S NAME (PRI	INT OR TY	PE)		
DDRESS				□ YES				UIREMENTS IN SECTION 396.19,
ITY, STATE, ZIP C	OOE			VEHICLE IDENTIFICATION	n (~ and	COMPL	ете) 🗆	LIC. PLATE NO. VIN OTH
	TRACTOR TRAILER TRUCK	BUS		INSPECTION AGENCY/LC	CATION (	OPTION	AL	
		VEHICLE	COMPO	NENTS INSPECT				
K REFAIN DATE	ITEM	OK ASSA PENALED		ITEM	0	K PEPAR	REFARED DATE	ITEM
a de la de la defensión	1. BRAKE SYSTEM	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	6. SAFE	LOADING				12. WINDSHIELD GLAZING
	a. Service Brakes		a Ve	hicle parts, load,				No cracks, discoloration,
	572 (7) 7) 7) 988 7 (7) 70 700 7) ()		2.6422.233	nnage, spare tire, et	~			obstacles, etc. (see 393.60
	<li>b. Parking Brake System</li>				,			exceptions).
	c. Brake Drums or Rotors			cured.		-		
	d. Brake Hose		b. Fr	ont End Structure		1.00	-	13. WINDSHIELD WIPERS
	e. Brake Tubing		c. Int	ermodal Container				No missing, damaged, or
	f. Low Pressure Warning		Se	curement Devices		1	1 2	inoperable wipers.
	Device	111 A.	and the second s	RING MECHANISM	1.000			14. MOTORCOACH SEATS
	g. Tractor Protection Valve		a. St	eering Wheel Free P				Seats securely fastened to vehicle structure.
	h. Air Compressor		b. St	eering Column			-	15. REAR IMPACT GUARD
100	i. Electric Brakes		c. Fr	ont Axle Beam/All			11	And the second se
	j. Hydraulic Brakes		01	her Steering Compor	nents			In place, securely attached
			-		Conto			proper size, proper placem
	k. Vacuum Systems	-	- 883	eering Gear Box		-		(see 393.86).
	<ol> <li>Antilock Brake System</li> </ol>		e. Pi	Iman Arm				16. OTHER
	m. Automatic Brake Adjusters		1. PC	wer Steering				List any other condition(s)
	2. COUPLING DEVICES		a Ba	II and Socket Joints				which may prevent safe
	a. Fifth Wheels							operation of this vehicle.
	b. Pintle Hooks		-	e Rods and Drag Lin	K5			operation of this vehicle.
	2011 102 012 102 102 103 103 103 103 103 103 103 103 103 103	-	i, Nu	its				
	c. Drawbar/Towbar Eye		j. St	eering System				
	d. Drawbar/Towbar Tongue	a strate		ENSION	1			
	e. Safety Devices		1 Contraction of the local division of the l	le Positioning Parts	-			
	f. Saddle-Mounts		- U.S. (2)					
10 10 10	3. EXHAUST SYSTEM		b. Sp	ring Assembly				
			c. To	rque, Radius or Trac	cking			
	a. No leaks forward of/		Co	omponents				
	directly below the driver/	-	9. FRAN	the second s				
	sleeper compartment.	TI		ame Members	-		2	
	b. Bus: No leaking/		- 271 63		100			1
	discharging in violation of		b. Th	e and Wheel Cleara	nce			
	standard.		c. Ac	ljustable Axle				
	<ul> <li>Unlikely to burn, char,</li> </ul>		As	semblies (Sliding				
	or damage the electrical		Su	ibframes)				
	wiring, fuel supply, or any		10. TIRE	S				
	combustible part of vehicle.		a St	eer-Axle Tires				
	4. FUEL SYSTEM	-						
	a. No visible leak.		0.530.53	Other Tires				
	b. Fuel Tank Filler Cap			eed-Restricted Tires	5			
		1 100-100 10-2	11. WHE	ELS AND RIMS				
	c. Fuel tank securely		alo	ck or Side Ring	1			
	attached.		-			1		
	5. LIGHTING DEVICES		- 1000100	heels and Rims				
	All required lights/reflectors		c. Fa	steners				
	operable.		d. W	elde				
	operable.		0. 22					

CERTIFICATION: THIS VEHICLE HAS PASSED ALL THE INSPECTION ITEMS FOR THE ANNUAL VEHICLE INSPECTION IN ACCORDANCE WITH 49 CFR PART 396.

Copyright 2022 J. J. Kaller & Associates, Inc. Neensh, Wi + JJKeller.com + (800) 327-6868 Printed in the USA

ORIGINAL

3128 (Rev. 1/22)

#### **Coach Inspection Forms**

COACH		DATE:						
VIN#		VEHICLE #						
LICENSE PLATE#		MILEAGE:						
Brake System	ОК	Needs Repair	Date Repaired					
Brake shoe anchor pins		- State and						
Push rod & slack adjuster (brakes depressed)								
Spider								
Brake drums								
Rear brake shoes								
Front brake shoes								
S-Cam								
Slack Adjuster								
Clevis Pin								
Push rod		1						
Exhaust System	OK	Needs Repair	Date Repaired					
Exhaust manifold & pipes		1						
Catalytic converter								
Muffler								
Tailpipe								
Fuel System	OK	Needs Repair	Date Repaired					
Visible leak								
Fuel tank filler cap								
Fuel lines & connections								
Fuel tank & filler neck								
Drive Train	OK	Needs Repair	Date Repaired					
Front axle CV boots								
Front axle CV boots								
Trans axle								
Rear axle		- C						
Frame Inspection	ок	Needs Repair	Date Repaired					
Main frame condition								
Sub frame condition								
Undercarriage condition								
Tire and Wheel Inspection	OK	Needs Repair	Date Repaired					
Front Tires								
Rear Tires								
Wheel & well covers								

Steering and Suspension System	ОК	Needs Repair	Date Repaired
Steering gear box			
Steering Gear box hoses			
Tie rod ends & steering links			
Front struts and/or shocks			
Rear struts and/or shocks			
Rear springs and shackles			
Engine	ок	Needs Repair	Date Repaired
Coolant protection to:			
Intake manifold			
Exhaust manifold(s)			
Carburetor/fuel injection system			
Cylinder head(s)			
Engine block			
Oil pan			
Emissions system			
Drive belts/tensioners/pulleys			
Water pump			
Power steering pump			
Alternator			
Battery			
Wheelchair lift or ramp	ОК	Needs Repair	Date Repaired
Operation (using power switch)			
Operation (manually)			
Interlocks			
Disabled and safety labeling			
Hydraulic system			
Handrails & Belts			
Inspect platform surface condition			
Clean & lubricate all hinges, mounts			
& pivots			
Securement Equipment	ОК	Needs Repair	Date Repaired
Check for frayed/worn belts on tie			
downs and seat belt components.			
Ensure webbing is not twisted			
inside retractors.			
Lubricate buckles & fittings			
Clean bolt threads on retractors			
Inspect floor anchorages for debris			
and loose tracks			

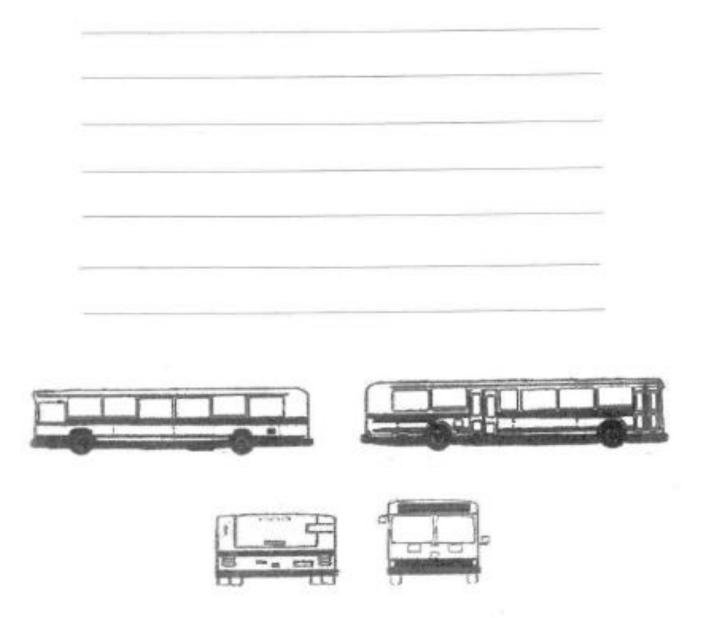
Exterior Lights	ОК	Needs Repair	Date Repaired
Headlights (hi/low beam)			
Turn signals			
4-way hazard lights			
Yield sign			
Brake lights			
Back up lights and audible alarm			
Clearance lights			
Marker lights			
Reflectors			
Windshield Wiper System	ОК	Needs Repair	Date Repaired
Blade condition			
Intermittent system			
Multi-speed system			
Washer delivery system			
Glass	OK	Needs	Date Repaired
Windshield (driver/passenger)			
Passenger door(s)			
Driver side window			
Passenger windows			
Rear window (if applicable)			
Interior Appearance	ОК	Needs Repair	Date Repaired
Passenger seats/upholstery			
condition			
Driver seat controls/track/condition			
Wheelchair securement tracks			
Wheelchair station restraints &			
Interior lights (overhead/passenger			
door)			
Dash cluster(s)			
Passenger compartment			
Window seals			
Stanchions, modesty panels, seat			
handles, grab handles or bars			
Exterior Appearance	ок	Needs Repair	Date Repaired
Body damage (note on attached			
sheet)			
Fender/bumper damage (note on			
attached sheet)			
Safety Equipment	ОК	Needs Repair	Date Repaired

Fire extinguisher					
Blood borne pathogen kit					
First aid kit					
Emergency kit					
Seat belt cutter					
		Needs		and the second second	
Audio Video Surveillance System	OK	Repair	· 6. 将发出出	Date Repaired	
Synchronize the DVR clock					
Clean the front cover, cable cover					
and DVR					
Remove smudges/marks from					
camera lenses					
Check all camera angles and					
reposition as necessary					
COMMENTS:					
SIGNATURE:		TITLE:			

**Coach Body Inspection** 

Mark with an "X" or circle on this form

Describe condition:



#### Cutaway/Transit Van Inspection Forms

		VEHICLE #
-	1	MILEAGE:
ОК	Needs Repair	Date Repaired
1		
-		
OK	Needs Repair	Date Repaired
-	-	
-		
OK	Needs Repair	Date Repaired
-		
12		
-		
-		
OK	Needs Repair	Date Repaired
1.	and the second second	
1		
OK	Needs Repair	Date Repaired
-		
OK	Needs Repair	Date Repaired
-		
		OK Repair  COK Repair  COK Needs  COK Need  COK Ne

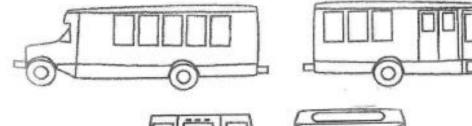
Steering and Suspension System	ок	Needs Repair	Date Repaired
Steering gear box			
Steering Gear box hoses			
Tie rod ends & steering links			
Front struts or shocks			
Rear struts or shocks			
Rear springs and shackles			
Engine	ок	Needs Repair	Date Repaired
Coolant protection to;			
Intake manifold			
Exhaust manifold(s)			
Carburetor/fuel injection system			
Cylinder head(s)			
Engine block			
Oil pan			
Emissions system			
Drive belts/tensioners/pulleys			
Water pump			
Power steering pump			
Alternator			
Battery			
Wheelchair lift or ramp	ОК	Needs Repair	Date Repaired
Operation (using power switch)			
Operation (manually)			
Interlocks			
Disabled/vendor labeling			
Hydraulic system			
Handrails & belts			
Inspect platform surface condition			
Clean & lubricate all hinges,			
mounts & pivots			
Exterior Lights	OK	Needs Repair	Date Repaired
Headlights (hi/low beam)			
Turn signals			
4-way hazard lights			
Yield sign			
Brake lights			
Back up lights and audible alarm			
Back up lights and audible alarm Clearance lights			

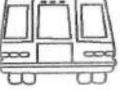
Windshield Wiper System	OK	Needs Repair	Date Repaired
Blade condition			
Intermittent system			
Multi-speed system			
Washer delivery system			
		Needs	
Glass	OK	Repair	Date Repaired
Windshield (driver/passenger)			
Passenger door(s)			
Driver side window			
Passenger windows			
Rear window (if applicable)			
Passenger seats/uphoistery			
condition			
Driver seat			
controls/track/condition			
Wheelchair securement tracks			
Wheelchair station restraints &			
beits			
Window seals			
Stanchions, modesty panels, seat			
		Needs	
Exterior Appearance	OK	Repair	Date Repaired
Body damage (note on attached			
Fender/bumper damage (note on			
Safety Equipment	ок	Needs Repair	Date Repaired
Fire extinguisher			
Blood borne pathogen kit			
First ald kit			
Emergency kit			
Seat belt cutter			
Audio Video Surveillance System	ОК	Needs	Date Repaired
Synchronize the DVR clock			
Clean the front cover, cable cover			
Remove smudges/marks from			
Check all camera angles and			
COMMENTS:			
SIGNATURE:		TITLE:	

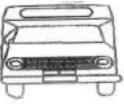
Cut-Away Body Inspection

Mark with an "X" or circle on this form

Describe condition:







### Minivan Inspection Forms

MINI-VAN	destroyed.		DATE:
VIN#			VEHICLE #
LICENSE PLATE#			MILEAGE:
Brake System	OK	Needs Repair	Date Repaired
Master cylinder			Service downs
Brake booster			
Brake lines			
Brake hoses			
Brake tubing			
Front brake calipers or cylinders			
Rear brake calipers or cylinders			
Front brake pads or shoes		2	
Rear brake pads or shoes			
Exhaust System	OK	Needs Repair	Date Repaired
Exhaust manifold & pipe(s)			
Catalytic converter			
Muffler			
Tailpipe			
Fuel System	OK	Needs Repair	Date Repaired
visible leak			
Fuel tank filler cap			
Fuel lines & connections			
Fuel tank & filler neck			
Drive Train	OK	Needs Repair	Date Repaired
Front axle CV boots			
Front axle			
Trans axle			
Rear axle		£	
Frame Inspection	OK	Needs Repair	Date Repaired
Main frame condition			
Sub frame condition			
Undercarriage condition			
Tire and Wheel Inspection	OK	Needs Repair	Date Repaired
Fire condition - Front			
Tire condition - Rear			
Wheel & well covers			
Steering and Suspension System	OK.	Needs Repair	Date Repaired
Steering gear box			
Steering gear box hoses			
Tie rod ends & steering links			
Front struts or shocks			
Rear struts or shocks			
Rear springs and shackles			

Exterior Appearance	OX	Needs Repair	Date Repaired
Body damage (note on attached			
sheet}			
Fender/bumper damage (note on			
attached sheet)			
Safety Equipment	OK	Needs Repair	Date Repaired
Fire extinguisher			
Blood borne pathogen kit			
First aid kit			
Emergency kit			
Seat belt cutter			
Audio Video Surveillance System	OK	Needs Repair	Date Repaired
Synchronize the DVR clock			
Clean the front cover, cable cover			
and DVR			
Remove smudges/marks from			
camera lenses			
Check all camera angles and			
reposition as necessary			
COMMENTS:			
SIGNATURE:		TITLE	

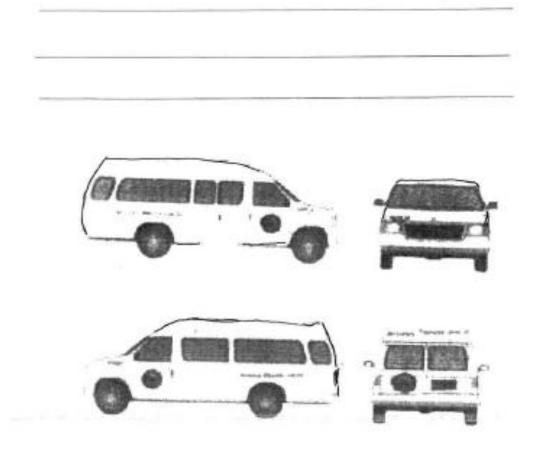
Y

)

Mini-Van Body Inspection

Mark with an "X" or circle on this form

Describe condition:



# Appendix E: Lift or Ramp System Safety Inspection Form

Lift (	or Ramp Sys	stem	Safety Ins	spectio	n
FLEET #		DATE			
			MILEAGE		
			CYCLE COUNT		
			MODELIDOM		
OVERALL CONDITION				ŌK	REP DATE
	ABNORMAL NOISES (GRINDI RUN WITH WEIGHT TEST	NG, BINDING,	ETC.)		
CONTROL PENDANT	DAMAGE/LOOSE CONNECTION SWITCHES WORK FREELY	ONS		F	
ELECTRICAL WIRING	FRAYED WIRES, LOOSE WIR	ES, LOOSE C	ONNECTIONS		T
VEHICLE INTERLOCK	NON-INTERLOCK MODE, OPE	RATE UFT			1
DECALS	ALL SAFETY DECALS AFFIXE	D PROPERLY			
HANDRAILS	FASTENERS TIGHT SAFETY BELT FUNCTIONS P	ROPERLY		F	
LIFT MOUNTINGS/ SUPE					1
MAIN LIFT PIVOTS	TRAVELING FRAME PIN DAM	AGE FREE &	LOCKED IN POSITION		1
PLATFORM/ ATTACHME	OPERATES PROPERLY W/O	OBSTRUCTIO	NS		1
INNER ROLL STOP	OPERATES PROPERLY W/O ALL ADJUSTMENTS WORK SOLBS LIMIT SWITCH	OBSTRUCT, D	EPLOYS FULLY AT FLR		
PLATFORM ROLL STOP	OPERATES PROPERLY WHE	N CONTACTS	GROUND LEVEL		
HYDRAULIC POWER UN	IT LEAKAGE BACK-UP HAND PUMP OPER FLUID LEVELS	ATES		=	
HYDRAULIC CYLINDER	HOSES AND FITTINGS CYLINDER LEAKAGE HOSE DAMAGE, LEAKS ALL FITTINGS TIGHT				
LUBRICATION	CLEAN (EXTRA OPTION ADD LUBRICATE AND WIPE EXCE		RGE)		
TECH INITIALS					
COMMENTS					

### **Appendix F: Security Camera Preventive Maintenance Checklist**

#### >> SAMPLE TRAINING KIT

(AngelTrax 2016 Proposal)

#### Preventative Maintenance Checklist

\_ How to properly maintain your AngelTrax mobile surveillance system

At AngelTrax, we take pride in providing surveillance systems that require minimal upkeep. However, in order to maintain the proper operation of your AngelTrax system, we encourage you to perform the preventative maintenance tasks listed below. Our preventative maintenance checklist is a proven method to maintain and extend the product life of your AngelTrax mobile video surveillance system.

	Task	Description
1	Make sure the panic button LEDs are working properly	After the ignition is on for approximately 20 seconds, the green lights should begin flashing rapidly, indicating the DVR is recording. If there is an error, the lights will turn red and remain solid. *This is en item that should be included in your drivers' pre-trip inspection.
1	Synchronize the DVR clock.	AngelTrax recommends synchronizing the OVR clock every six months to ensure accurate video recording of the time and date.
1	Replace the remote control's battery.	Replace the CR 2025 battery. Use an identical or accepted equivalent battery. 1. Push the tab on the back of the remote control to the right side, then pull outward to remove the battery compartment. 2. Pull the battery compartment out and remove the old battery. 3. Insert a new battery into the compartment with the positive side (+) facing up. 4. Close the battery compartment.
1	Clean the front cover, cable cover, DVR,	The DVR, front cover and cable covers are made from 18 gauge steel, posited with outdoor powder paint, and only registre periodic cleaning. To clean, use a damp cloth with a mild detergent. Bo not allow water into the holes.
1	Ramove amudges/marks from camera lenses.	To clean camera lenses, use a glass cleaning solution such as Windex®. *For exterior camera lenses, daily, pre-trip cleaning is recommended. Also, treat exterior camera lenses with Rain X® to help increase visibility by deflecting rain, sized and snow. *This is an item that should be included in your drivers' pre-trip inspection.
1	Make sure the vehicle's brake lights are functioning property.	*This is an item that should be included in your drivers' pre-brip inspection.
1	Make sume the vehicle's cameras are positioned as desired before recording begins.	AngelTrax recommends periodically checking your camera angles to guarantee acourate camera angles. Use an installation or onboard viewing monitor to check if camera angles are positioned according to desired capture.



1.800.675.1780 | www.angeltrac.com | Page 201

# Appendix G: Task Outlines (Checklists)

Facilities & Parks Maintenance Tasks and Weekly/Monthly Outline Transit Center - Driver Breakroom	3 X a wook	Video M
Complete/Check Janitorial Log	×	
Empty trash and recycle bins and replace liners as needed	x	
Wipe and disinfect counters, table, chairs and flat surfaces if cleared	x	
Dust mop floors	×	
Stock hand soap and paper towels	×	
Check lighting replace bulbs as needed	×	
****Buff and wax floor (annually)		
Transit Center - Restrooms		
Empty trash and recycle bins and replace liners as needed	×	
Sweep/mop/disinfect floors	×	
Clean disinfect toilet, urinal, sink , doorknobs, other fixtures	×	
Clean mirror	x	
Stock hand soap, paper towels and toilet paper	×	
Check lighting replace builts as needed	х	
other		
Transit Center - Exterior		
*Empty cigarette bins (monthly)		х
Pick up trash	x	
Confirm weekly trash pick up by Canby Disposal	х	
Blow debris from hard surfaces (monthly)		х
Clean Bus Shelters (monthly)		х
Maintain landscaping	х	
Maintain plant containers	х	
Report damage or safety issues to Facilities Department	x	

#### Instructions:

Please use the Janitorial Log & Weekly/Monthly Maintenance Log to track all tasks.

Legend 3 X a week (3 times each week) "Monthly "" Quarterly "" Semi Annually (Seasonally) """ Annually

Facilities & Parks Maintenance Tasks Quarterly/Annually Outline Transit Center - Driver Breakroom	Quantiently	Vitra Minuth Vitra Section 1998	Annually
Conduct Safety Inspection	X		
*****Buff and wax floor (annually)			×
Check Log book - (were tasks accomplished and noted on all logs?)	×		
Inspect HVAC, appliances, fixtures, electric outlets, plumbing	×		
Inspect paint and overall condition of the building interior	X		
other:			
Transit Center - Restrooms			
Conduct Safety Inspection	X		
*****Buff and wax floor (annually)			×
Check Log book - (were tasks accomplished and noted on all logs?)	X		
Inspect HVAC, appliances, fixtures, electric outlets, plumbing	X		
Inspect paint and overall condition of the building interior	X		
other			
			×
Transit Center - Exterior			
Conduct Safety Inspection	×		
Check Log book - (were tasks accomplished and noted on all logs?)	x		
Inspect roof, gutters, and overall condition of the building exterior	×		
Inspect HVAC, appliances, fixtures, electric outlets, irrigation system	х		
Turn irrigation on/off		х	
Set Gazebo Clock		х	
Mow turf areas		x	
Weed planters and plant beds		х	
Trim trees and shrubs (especially from camera view)		х	
Inspect overall condition of roadway, sidewalks, and paved surfaces		х	
other:			

#### Instructions:

Please use the Quarterly/Annual Maintenance Log to track all tasks.

# Legend

3 X a week (3 times each week) "Monthly \*\* Quarterly \*\*\* Semi Annually (Seasonally) \*\*\*\* Annually

### **Appendix H: Facility Maintenance Log Forms**

### **Janitorial Log**

Janitorial Log	Month:						Year:						
	We	ek 1		Week 2			Week 3		Week 4		Week 5		
Date here>													
Transit Center - Driver Breakroom													
Empty trash and recycle bins and replace liners as needed													
Wipe and disinfect counters, table, chairs and flat surfaces if cleared													
Dust mop floors													
Stock hand soap and paper towels													
Check lighting replace bulbs as needed													
****Buff and wax floor (annually)													
other													
Transit Center - Driver Restroom													
Empty trash and recycle bins and replace liners as needed													
Sweep/mop/disinfect floors													
Clean disinfect toilet, urinal, sink , doorknobs, other fixtures													
Clean mirror													
Stock hand soap, paper towels and toilet paper													
Check lighting replace bulbs as needed													
****Buff and wax floor (annually)													
other													
Transit Center - Exterior		•		-	-								
*Empty cigarette bins (monthly)													
Check lighting and report non functioning lights to Facilities Staff													
other													
Initial here>													
	⊢							 					

Janitorial Log Instructions:

Please use the Janitorial Log to track subcontracted janitorial tasks.

Spell out the name of the month at the top of the form (June, July etc.) and enter the year.

Enter the date at the top of the column (6/2, 7/1 etc.).

If one person completes all tasks in a given date enter a check mark to indicate completed tasks (X, etc.); and enter initials at the bottom of the column.

If multiple people complete tasks on a given date enter initials instead of check marks to indicate the completed tasks on that date.

#### Legend

3 X a week (3 times each week) \*Monthly

•• Quarterly

\*\*\* Semi Annually (Seasonally)

\*\*\*\* Annually

#### Weekly - Monthly Log

Weekly/Monthly Maintenance Log	Mon	Month:							Year:					
		Week 1		Week 2			Week 3		Wer		eek 4		Week 5	
Date here	>													
Transit Center - Driver Breakroom														
Parks Department Tasks	_													
Check Janitorial Log - (were tasks accomplished and noted on log?)														
Report log irregularities, damage or safety issues to Facilities Dept.														
Facilities Department Tasks			_	_	_	_			_	_	_	_		
Respond as needed to reported janitorial log irregularities														
Respond as needed to reported damage or safety issues														
Transit Center - Public Restroom														
Parks Department Tasks														
Empty trash and recycle bins and replace liners as needed	-	-	1											
Sweep/mop/disinfect floors	+					<u> </u>				<u> </u>			$\vdash$	
Clean disinfect toilet, urinal, sink , doorknobs, other fixtures	+	+			<u> </u>	<u> </u>				<u> </u>				
Clean mirror	-					<u> </u>			<u> </u>	<u> </u>				
Stock hand soap, paper towels and toilet paper	+				<u> </u>									
Check lighting replace bulbs as needed	+													
Report damage or safety issues to Facilities Department	+					<u> </u>				<u> </u>				
****Buff and wax floor (annually)	+	+			<u> </u>	<u> </u>			<u> </u>	<u> </u>				
	_													
Facilities Department Tasks		-												
Respond as needed to reported damage or safety issues														
Transit Center - Exterior														
Parks Department Tasks	_													
Pick up trash														
Confirm weekly trash pick up by Canby Disposal														
Blow debris from hard surfaces (monthly)														
Clean Bus Shelters (monthly)														
Maintain landscaping														
Maintain plant containers														
Report damage or safety issues to Facilities Department														
Excilition Department Tarks														
Facilities Department Tasks	_	-	-	-										
Respond as needed to reported damage or safety issues						<u> </u>							$\vdash$	
Instructions and legend are printed on the back of this sheet.	_		I	ļ	ļ	L	<b></b>		 L	l				
manactions and regend are printed on the back of this silect.														

NOTES

Weekly/Monthly Maintenance Log Instructions:

Please use the Weekly/Monthly Maintenance Log to track all tasks.

Spell out the name of the month at the top of the form (June, July etc.) and enter the year.

Enter the date at the top of the column (6/2, 7/1 etc.).

Enter initials under the date to indicate which tasks were completed and who completed the task.

Space is available in each section to write in notes and additional tasks if needed.

A notes section is also available at the bottom of the form.

Legend

3 X a week (3 times each week) \*Monthly

\*\* Quarterly

\*\*\* Semi Annually (Seasonally)

···· Annually

#### **Quarterly – Annually Log**

Quarterly/	/Annual	Maintenance L	.og
------------	---------	---------------	-----

Quarterry/Annual Maintenance Log											
·	Quarter 1 July - September		Quarter 2 October - December			Quarter 3 January - March			Quarter 4		
									April - June		e
Date here>	<u> </u>										
Transit Center - Driver Breakroom and Restroom	II						ļ	I	ļ		
Facilities Department Tasks											
Conduct Safety Inspection											
Check Log book - (were tasks accomplished and noted on all logs?)											
Inspect HVAC, appliances, fixtures, electric outlets, plumbing											
Inspect paint and overall condition of the building interior											
other											
Transit Center - Public Restroom											
Parks Department Tasks											
****Buff and wax floor (annually)											
Facilities Department Tasks		•									
Conduct Safety Inspection											
Check Log book - (were tasks accomplished and noted on all logs?)											
Inspect HVAC, appliances, fixtures, electric outlets, plumbing											
Inspect paint and overall condition of the building interior											
Transit Center - Exterior											
Parks Department Tasks											
Check Log book - (were tasks accomplished and noted on all logs?)											
Mow turf areas											
Weed planters and plant beds											
Trim trees and shrubs (especially from camera view)											
Report damage or safety issues to Facilities Department											
Facilities Department Tasks											
Conduct Safety Inspection											
Check Log book - (were tasks accomplished and noted on all logs?)											
Inspect roof, gutters, and overall condition of the building exterior											
Inspect HVAC, appliances, fixtures, electric outlets, irrigation system											
Inspect overall condition of roadway, sidewalks, and paved surfaces											
Turn irrigation on/off											
Set Gazebo Clock											

Instructions and legend are printed on the back of this sheet.

#### Facilities & Parks Quarterly/Annual Log Instructions:

Please use the monthly Facilities & Parks Quarterly/Annual Log to track all tasks.

Enter the fiscal year at the top of the form. July - June is a fiscal year or it can be noted in this format 2000/2001

Enter the date at the top of the column (month/day/year).

Enter initials under the date to indicate which tasks were completed and who completed the task.

#### Legend

3 X a week (3 times each week)

\*Monthly

\*\* Quarterly

\*\*\* Semi Annually (Seasonally)

\*\*\*\* Annually

#### Fiscal Year: