LONG BEACH TRANSIT
BOARD OF DIRECTORS MEETING
AGENDA

THURSDAY, APRIL 25, 2024
4801 AIRPORT PLAZA DRIVE
ROSA PARKS BOARD CHAMBER
3:30 P.M.

David Sutton, Chair
Abigail Mejia, Vice Chair
Raul Añorve, Secretary/Treasurer
Eduardo Angeles, Director
Randy Rawlings, Director
Tunua Thrash-Ntuk, Director

Joshua Hickman, City Representative
Christopher Koontz, City Representative

Kenneth A. McDonald
President and Chief Executive Officer

LONG BEACH TRANSIT BOARD OF DIRECTORS IN-PERSON MEETING

MEMBERS OF THE PUBLIC ALSO HAVE THE OPTION TO PROVIDE PUBLIC COMMENT IN THE ZOOM MEETING BY USING THE RAISE HAND FUNCTION OR PRESSING *9 ON YOUR PHONE

PLEASE NOTE THE ZOOM MEETING MAY ENCOUNTER TECHNICAL DISRUPTIONS, BUT IN-PERSON ACCESS AND PUBLIC COMMENT WILL CONTINUE TO BE AVAILABLE IN ACCORDANCE WITH THE BROWN ACT

MEMBERS OF THE PUBLIC MAY LISTEN TO THE MEETING BY DIALING (669) 444-9171 AND ENTERING THE FOLLOWING MEETING ID: 892 4992 2679 (PASSWORD: 1963)

MEMBERS OF THE PUBLIC MAY ALSO JOIN THE VIDEO CONFERENCE VIA THE FOLLOWING ZOOM MEETING LINK:
https://us06web.zoom.us/j/89249922679?pwd=C6H1K4aKWbnpU9QTVsN6ynNnxYqX0Y.1

PERSONS WISHING TO ADDRESS THE BOARD MAY SUBMIT PUBLIC COMMENT VIA EMAIL OR TELEPHONE.

Public comments on agenda items may be submitted by email to board@lbtransit.com or by telephone at 562.599.8599.

If calling, please leave a voicemail with your name (please state it clearly), your telephone number for a return call, and the item number on which you would like to comment (or specify “public comment”).

If emailing, please include your name, your telephone number for a return call, and the item number on which you would like to comment (or specify “public comment”).

More information on this process may be found at ridelbt.com/about-us

REGULAR MEETING – 3:30 P.M.

1. Call to Order. (David Sutton)

2. Roll Call. (Jen Flores)

3. Employee Recognition. (Jen Flores)

   Employees of the Month for April 2024:

   Jose Roman, Transit Service Delivery and Planning
   Martin Esparza, Maintenance and Infrastructure
   Jonathan Serranoblanco, Administrative Staff

   INFORMATION ITEM

4. Public Comment.

   Any member of the public may approach the lectern and, upon recognition by the Chair, state his or her name and proceed to address the Board on any item within the subject matter jurisdiction of the Long Beach Transit Board of Directors, provided that no action may be taken on off-agenda items unless authorized by law. Comments shall be limited to three minutes, unless different time limits are set by the Chair, subject to the approval of the Board.

5. President and CEO Report. (Kenneth McDonald)

   INFORMATION ITEM

NOTICE TO THE PUBLIC

All matters included on the Consent Calendar are considered routine by the Long Beach Transit (LBT) Board of Directors and will all be enacted by one motion. There will be no separate discussion of these items unless a member of the Board of Directors or the public so requests, in which event the matter shall be removed from the Consent Calendar and considered as a separate item.

CONSENT CALENDAR (6)

6. Recommendation to approve the minutes of the regular session meeting held on March 28, 2024.

   Suggested Action: Approve recommendation.

REGULAR CALENDAR

7. Monthly Financial Report. (Lisa Patton)

   INFORMATION ITEM

8. Recommendation to adopt Long Beach Transit's 2024 Public Transportation Agency Safety Plan with newly set targets to comply with FTA final rule in accordance with 49 Code of Federal Regulations (CFR) Part 673. (Elizabeth Brown)

   Suggested Action: Approve recommendation.

9. Recommendation to approve an update to LBT's Procurement Policy to delegate to the President and CEO the authority to approve all renewals of software and hardware license and maintenance agreements. (Joanna Bould)

   Suggested Action: Approve recommendation.

10. Public Comment.

    Any member of the public may approach the lectern and, upon recognition by the Chair, state his or her name and proceed to address the Board on any item within the subject matter jurisdiction of the Long Beach Transit Board of Directors, provided that no action may be taken on off-agenda items unless authorized by law. Comments shall be limited to three minutes, unless different time limits are set by the Chair, subject to the approval of the Board.

11. Board Requests.

12. Adjourn. The next regular meeting will be held on May 23, 2024. (David Sutton)

    Suggested Action: Approve recommendation.

Note:

Long Beach Transit intends to provide reasonable accommodations in accordance with the Americans with Disabilities Act of 1990. If special accommodation is desired please call the Office of the Board Secretary 48 hours prior to the meeting at 562.599.8599.

Long Beach Transit is an entity which is separate and distinct from the City of Long Beach.

LONG BEACH TRANSIT
BOARD OF DIRECTORS MEETING
MINUTES

THURSDAY, MARCH 28, 2024
4801 AIRPORT PLAZA DRIVE
ROSA PARKS BOARD CHAMBER
3:30 P.M.

David Sutton, Chair
Abigail Mejia, Vice Chair
Raul Añorve, Secretary/Treasurer
Eduardo Angeles, Director
Randy Rawlings, Director
Tunua Thrash-Ntuk, Director

Joshua Hickman, City Representative
Christopher Koontz, City Representative

Kenneth A. McDonald
President and Chief Executive Officer

REGULAR MEETING – 3:30 P.M.

1. Call to Order. (Abigail Mejia)

   Vice Chair Mejia called the meeting to order at 3:34 p.m.

2. Roll Call. (Jen Flores)

   Directors Present: Eduardo Angeles, Raul Añorve, Abigail Mejia and Randy Rawlings

   Directors Excused: David Sutton and Tunua Thrash-Ntuk

3. Employee Recognition. (Jen Flores)

   Employees of the Month for February 2024:

   Lennyn Gutierrez, Transit Service Delivery and Planning
   Reuben De Ocampo, Maintenance and Infrastructure
   James Tai, Administrative Staff

   Employees of the Month for March 2024:

   Chad Wright, Transit Service Delivery and Planning
   Timothy Smith, Maintenance and Infrastructure
   Vivian Garcia, Administrative Staff

   INFORMATION ITEM

   Jen Flores, Board Secretary, presented the Employees of the Month for February 2024 and March 2024.

4. Public Comment.

Any member of the public may approach the lectern and, upon recognition by the Chair, state his or her name and proceed to address the Board on any item within the subject matter jurisdiction of the Long Beach Transit Board of Directors, provided that no action may be taken on off-agenda items unless authorized by law. Comments shall be limited to three minutes, unless different time limits are set by the Chair, subject to the approval of the Board.

The Board received a copy of a public comment emailed in by Wayne Wright regarding operator and customer safety.

James Nieudorp gave a live public comment regarding retention.

5. President and CEO Report. (Kenneth McDonald)

INFORMATION ITEM

Kenneth McDonald, President and CEO, presented his monthly report.

CEO McDonald presented highlights of the February 2024 service change.

CEO McDonald informed the Board that LBT has been selected to host the TRANSDash Summit in June 2024, the APTA Marketing, Communications and Customer Experience Workshop in February 2025 and the CTA Fall Conference and Expo in November 2025.

CEO McDonald reported about LBT's participation in the Five-Star Bus Roadeo and the operators and maintenance employees who placed in the various competitions.

CEO McDonald informed the Board about the Dial-A-Lift electric vehicle pilot program.

CEO McDonald highlighted various community events LBT staff participated in for the month of March.

NOTICE TO THE PUBLIC

All matters included on the Consent Calendar are considered routine by the Long Beach Transit (LBT) Board of Directors and will all be enacted by one motion. There will be no separate discussion of these items unless a member of the Board of Directors or the public so requests, in which event the matter shall be removed from the Consent Calendar and considered as a separate item.

CONSENT CALENDAR (6)

A motion was made by Director Angeles, seconded by Secretary/Treasurer Añorve, to pass the consent calendar. The motion carried by the following vote:

Yes: 4 - Eduardo Angeles, Raul Añorve, Abigail Mejia and Randy Rawlings
Excused: 2 – David Sutton and Tunua Thrash-Ntuk

6. Recommendation to approve the minutes of the regular session meeting held on January 25, 2024.

Suggested Action: Approve recommendation.

REGULAR CALENDAR

7. Monthly Financial Report. (Lisa Patton)

INFORMATION ITEM

Lisa Patton, Executive Director/VP, Finance and Budget, presented the staff report.

Director Angeles inquired about the post-pandemic farebox returns.

Ms. Patton responded that LBT has seen ridership trending up.

8. Recommendation to authorize the President and CEO to enter into a six-year contract, with four option years, with Clean Energy for a total cost of $3,582,730 plus a 5% contingency, for a total authorization amount not to exceed $3,761,866. (Jim Scott)

Suggested Action: Approve recommendation.

Jim Scott, Executive Director/VP, Maintenance and Infrastructure, presented the staff report.

Director Rawlings inquired about the selected vendor’s score compared to the other respondents.

Mr. Scott responded that without getting into other respondents' scores the contractor selected was the best suited for the project.

Director Angeles inquired about CNG and Electrification infrastructure. Discussion ensued regarding the electrification infrastructure funding.

Secretary/Treasurer Añorve asked for an explanation of why years five and six were the same price.

Mr. Scott responded that it was the pricing submitted by the vendor.

A motion was made by Secretary/Treasurer Añorve, seconded by Director Rawlings, to approve the recommendation. The motion carried by the following vote:

Yes: 4 - Eduardo Angeles, Raul Añorve, Abigail Mejia and Randy Rawlings
Excused: 2 – David Sutton and Tunua Thrash-Ntuk

9. Recommendation to authorize the President and CEO to enter into a three-year contract with ETC Institute, in an amount not to exceed $390,367, including a ten percent contingency, to conduct customer, community and operator surveys, as well as monthly mystery calls and bus rides and optional focus groups. (Mike Gold)

Suggested Action: Approve recommendation.

Mike Gold, Executive Director/VP, Customer Relations and Communications, presented the staff report.

Director Angeles inquired about the methodology of how the surveys are conducted and if there will be any social media integration in the future.

Mr. Gold responded that the customer survey is an intercept survey, where they will be riding the bus and at bus stops interacting with LBT customers directly. The community survey is conducted via social media/online/website.

Secretary/Treasurer Añrove inquired about whether staff will be meeting with the vendor regularly.

Mr. Gold responded that staff will be meeting and collaborating with the vendor every step of the project.

Director Rawlings requested information about the turnaround time of the project.

Mr. Gold responded that LBT usually conducts a customer survey in the Spring and is hoping to stay on that schedule.

City Representative Koontz inquired about the survey questions and if they same from year to year to measure data consistently and what is done with the data.

Mr. Gold responded that LBT does create baseline questions to be used for multiple years to track trends.

CEO McDonald responded that LBT does address issues that arise from the survey, such as the bus stops and shelters based on feedback received and safety and security.

A motion was made by Director Rawlings, seconded by Director Angeles, to approve the recommendation. The motion carried by the following vote:

Yes: 4 - Eduardo Angeles, Raul Añorve, Abigail Mejia and Randy Rawlings
Excused: 2 – David Sutton and Tunua Thrash-Ntuk

10. Calendar Year 2024 Legislative Program. (Marisol Barajas)

INFORMATION ITEM

Marisol Barajas, Manager, Government Relations, presented the staff report.

Director Angeles inquired about specific funding for LBT.

Ms. Barajas provided information about specific funding opportunities that LBT is working to obtain.

CEO McDonald responded that METRO is the Regional Funding Agency for Los Angeles County. In regards to the funding METRO received for the Olympics, METRO will be distributing funds to the participating agencies.

This Agenda Item was received and filed.

11. Public Comment.

Any member of the public may approach the lectern and, upon recognition by the Chair, state his or her name and proceed to address the Board on any item within the subject matter jurisdiction of the Long Beach Transit Board of Directors, provided that no action may be taken on off-agenda items unless authorized by law. Comments shall be limited to three minutes, unless different time limits are set by the Chair, subject to the approval of the Board.

James Nieuwdorp gave a live public comment to agenda Item 8, regarding electric bus funding versus employee compensation.

12. Closed Session.

Conference with labor negotiator (Gov. Code sec. 54957.6)
Agency negotiator: Board Vice Chair Abigail Mejia
Unrepresented employee: President and CEO, Kenneth A. McDonald

Meeting went into Closed Session at 4:52 p.m.

Meeting reconvened at 5:23 p.m.

Vince Ewing, General Counsel, reported that no action was taken, discussion occurred and direction was given.

13. Recommendation to approve the employment agreement with Kenneth A. McDonald for the position of President and Chief Executive Officer. (Abigail Mejia)

Suggested Action: Approve recommendation.

A motion was made by Director Angeles, seconded by Secretary/Treasurer Añorve, to approve the recommendation. The motion carried by the following vote:

Yes: 4 - Eduardo Angeles, Raul Añorve, Abigail Mejia and Randy Rawlings
Excused: 2 – David Sutton and Tunua Thrash-Ntuk

14. Board Requests.

Secretary/Treasurer Anrove requested information about LBT's response and plans if an operator and/or staff is attacked.

CEO McDonald responded that in response to what happened in New York he has already convened a committee and will come back to present to the Board.

15. Adjourn. The next regular meeting will be held on April 25, 2024. (Abigail Mejia)

Suggested Action: Approve recommendation.

Meeting adjourned at 5:36 p.m.

A motion was made by Director Rawlings, seconded by Director Angeles, to approve the recommendation. The motion carried by the following vote:

Yes: 4 - Eduardo Angeles, Raul Añorve, Abigail Mejia and Randy Rawlings
Excused: 2 – David Sutton and Tunua Thrash-Ntuk

Note:

Long Beach Transit intends to provide reasonable accommodations in accordance with the Americans with Disabilities Act of 1990. If special accommodation is desired please call the Office of the Board Secretary 48 hours prior to the meeting at 562.599.8599.

Long Beach Transit is an entity which is separate and distinct from the City of Long Beach.

LONG BEACH TRANSIT
STATEMENT OF REVENUES AND EXPENSES
FOR PERIOD JULY 1, 2023 TO MARCH 31, 2024

	March 2023	March 2024	March Budget	%	Year to Date FY 2023	Year to Date FY 2024	Year to Date Budget	%
OPERATING REVENUE								
Passenger Fares	$759,125	$818,203	$752,224	109	$6,516,339	$6,943,534	$6,602,245	105
Dial A Lift Fares	3,344	3,438	3,850	89	29,822	28,616	32,670	88
Aqua Service Fares	10,580	0	0	-	209,618	155,312	120,815	129
Special Event Service Revenue	3,563	20,981	0	-	13,938	27,261	6,000	454
Advertising Revenue	56,250	56,250	56,250	100	548,706	571,933	506,250	113
Interest & Miscellaneous	419,203	392,739	226,603	173	2,312,652	3,407,724	2,047,933	166
TOTAL OPERATING REVENUE	**$1,252,065**	**$1,291,611**	**$1,038,927**	**124**	**$9,631,074**	**$11,134,381**	**$9,315,913**	**120**
SUBSIDY REVENUE								
Federal	$1,250,002	$750,000	$1,800,000	42	$6,550,002	$6,564,123	$15,750,000	42
State	2,683,280	2,838,137	2,838,136	100	24,387,994	25,631,897	25,543,224	100
County	4,167,616	4,051,300	4,051,300	100	37,447,428	36,498,805	36,511,952	100
Local	714,388	743,928	743,100	100	6,622,961	7,404,945	7,369,344	100
TOTAL SUBSIDY REVENUE	**$8,815,286**	**$8,383,364**	**$9,432,536**	**89**	**$75,008,385**	**$76,099,770**	**$85,174,520**	**89**
TOTAL REVENUE	**$10,067,351**	**$9,674,975**	**$10,471,463**	**92**	**$84,639,459**	**$87,234,150**	**$94,490,433**	**92**
OPERATING EXPENSES								
Operations	$4,612,828	$5,038,453	$5,082,119	99	$41,255,693	$45,953,624	$45,981,547	100
Maintenance	2,177,291	2,857,071	2,447,936	117	20,182,556	22,798,977	22,322,393	102
Administration	1,943,155	2,435,244	2,299,106	106	16,928,825	18,546,798	21,002,899	88
Fuel & Lubricants	452,294	505,574	548,647	92	5,265,589	4,436,790	5,089,278	87
TOTAL OPERATING EXPENSES	**$9,185,568**	**$10,836,343**	**$10,377,808**	**104**	**$83,632,663**	**$91,736,189**	**$94,396,117**	**97**
NET INCOME (LOSS) BEFORE DEPR.	**$881,783**	**($1,161,367)**	**$93,655**		**$1,006,796**	**($4,502,039)**	**$94,316**	
DEPRECIATION	$1,433,089	$1,471,654	$1,565,535	94	$12,360,812	$13,171,566	$12,524,280	105

LONG BEACH TRANSIT
SCHEDULE OF EXPENSES
FOR PERIOD JULY 1, 2023 TO MARCH 31, 2024

	Operations	Maintenance	Admin	Total Curr. Month	Current Month Budget	%	Year to Date	Year to Date Budget	%
LABOR									
Operators	$2,635,585	$0	$0	$2,635,585	$2,648,734	100	$24,428,125	$23,958,242	102
Maintenance	0	708,308	0	708,308	602,315	118	5,820,710	5,435,987	107
Salaried	394,049	563,683	937,829	1,895,562	1,618,761	117	13,602,224	15,011,405	91
FRINGE BENEFITS									
FICA	186,351	86,288	70,485	343,124	354,611	97	3,045,294	3,197,199	95
Pension	368,209	173,217	150,813	692,240	593,337	117	5,712,167	5,419,907	105
Health	587,877	172,374	106,490	866,741	952,757	91	7,743,041	8,351,175	93
Workers' Compensation	374,093	26,764	2,257	403,115	403,531	100	3,628,032	3,631,779	100
Uniform & Tool Allowance	28,586	22,119	0	50,705	28,876	176	229,234	283,888	81
Unemployment & Other Fringes	8,478	10,664	10,921	30,063	35,610	84	341,324	469,565	73
SERVICES									
Advertising	0	0	105,204	105,204	68,496	154	592,498	649,464	91
Professional & Technical	20,316	19,883	286,395	326,594	357,237	91	2,614,659	3,351,957	78
Contract Maintenance	0	261,483	260,867	522,350	418,175	125	3,666,940	3,745,488	98
Security	296,999	33,700	0	330,699	342,549	97	2,852,392	2,983,636	96
Employment Physicals	0	0	16,008	16,008	18,416	87	152,581	165,744	92
Other	0	6,531	7,501	14,032	10,421	135	124,932	95,789	130

LONG BEACH TRANSIT
SCHEDULE OF EXPENSES
FOR PERIOD JULY 1, 2023 TO MARCH 31, 2024

	Operations	Maintenance	Admin	Total Curr. Month	Current Month Budget	%	Year to Date	Year to Date Budget	%
MATERIALS & SUPPLIES									
Fuel & Lubricants	$0	$505,574	$0	$505,574	$548,647	92	$4,436,790	$5,089,278	87
Fleet Parts & Supplies	0	519,648	0	519,648	433,976	120	4,406,006	3,848,589	114
Other Materials & Supplies	0	57,720	14,603	72,322	102,327	71	755,131	760,229	99
UTILITIES	0	129,305	35,510	164,816	195,322	84	1,521,363	1,881,933	81
CASUALTY/LIABILITY COSTS	0	6,592	371,270	377,861	345,969	109	3,267,071	3,113,721	105
PURCHASED TRANS. SERVICE									
Dial A Lift	101,055	0	0	101,055	107,452	94	867,855	927,850	94
Aqua Service	36,854	0	0	36,854	52,591	70	606,110	715,570	85
MISC. EXPENSES									
Dues & Subscriptions	0	0	15,663	15,663	15,833	99	131,790	142,497	92
Taxes, Fees	0	31,478	0	31,478	27,091	116	631,414	247,809	255
Training, Travel & Meetings	0	0	19,838	19,838	27,084	73	89,631	243,756	37
Schedules & Tickets	0	0	0	0	6,250	-	28,048	116,250	24
Safety & Misc. Items	0	1,803	14,046	15,849	15,709	101	94,223	141,381	67
Recruitment Advertising	0	0	4,168	4,168	16,000	26	54,734	148,000	37
Other	0	25,511	5,376	30,887	29,731	104	291,869	268,029	109
TOTAL OPERATING EXPENSES:	**$5,038,453**	**$3,362,645**	**$2,435,244**	**$10,836,343**	**$10,377,808**	**104**	**$91,736,189**	**$94,396,117**	**97**

LONG BEACH TRANSIT
BALANCE SHEET

	Balance at 03/31/24	Balance at 02/29/24	Balance at 03/31/23
ASSETS			
Cash and Investments	71,751,400	69,165,127	70,709,320
Receivables			
Federal	16	16	0
State	2,219,923	5,325,258	3,556,654
County	381,249	322,637	2,661,794
Local	2,270,364	804,186	1,383,039
Miscellaneous	4,125,017	5,231,648	1,850,966
Materials & Supplies Inv.	4,073,389	3,971,100	3,497,330
Net Capital Assets	122,647,051	123,981,553	110,821,438
Other Assets	14,782,848	15,816,280	25,678,815
TOTAL ASSETS	**222,251,256**	**224,617,804**	**220,159,356**
LIABILITIES AND CAPITAL			
Trade Payables	4,049,393	3,482,542	4,772,806
Accrued Payroll Liabilities	8,245,907	8,981,793	7,722,718
Net Pension Liability (GASB 68)	34,055,081	34,055,081	32,192,337
Compensated Absence Liabilities	3,851,191	3,824,897	3,475,967
Estimated Liabilities	67,938,010	68,413,859	65,546,756
Deferred Credits	15,313,304	14,565,395	12,172,562
Long-Term Notes Payable	0	0	0
TOTAL LIABILITIES	**133,452,887**	**133,323,566**	**125,883,147**
Federal Capital Contributions	339,296,870	339,226,870	327,795,028
State Capital Contributions	115,495,252	115,486,713	113,353,366
Local Capital Contributions	130,796,630	130,738,018	124,103,043
Accumulated Earnings (Losses)	(496,790,384)	(494,157,363)	(470,975,227)
TOTAL CAPITAL	**88,798,369**	**91,294,238**	**94,276,210**
TOTAL LIABILITIES AND CAPITAL	**222,251,256**	**224,617,804**	**220,159,356**

RECOMMENDED ACTION

To adopt Long Beach Transit's 2024 Public Transportation Agency Safety Plan.

STAFF REPRESENTATIVE

Elizabeth Brown, Executive Director/VP, Organizational Development and Administration

BACKGROUND

Long Beach Transit (LBT) finances the majority of its capital assets through annual grants awarded by the Federal Transit Administration (FTA). These grants are allocated by region under Section 5307 Urbanized Area Formula Grant Funds of the Fixing America's Surface Transportation (FAST) Act.

As an operator of public transportation that receives funding under FTA's Urbanized Area Formula Grants, LBT is required to maintain a Public Transportation Agency Safety Plan (PTASP) that includes the processes and procedures to implement the Safety Management System (SMS) as authorized by the Moving Ahead for Progress in the 21st Century Act (MAP-21), established in 49 U.S. Code § 5329.

LBT is required to review and update the annual safety targets within the PTASP. LBT's 2023 PTASP was approved by the Board at the April 22, 2023 Board of Directors meeting. In accordance with 49 CFR Part 673, the 2023 PTASP underwent the annual review. The audit is completed by an individual knowledgeable and competent in SMS policy and LBT plans and procedures. The findings were reviewed by the Safety Committee during the quarterly meetings. The final revision to the plan were completed in February 2024 and the Safety Committee members approved the plan as required by the Bipartisan Infrastructure Law[1] on February 28, 2024.

In accordance with 49 US Code 5329, LBT is required to identify and approve annual Safety Performance Targets (SPT) using the safety performance measures established by the FTA and data reported to the National Transit Database (NTD). SPTs are used to develop specific performance targets to ensure PTASP objectives and goals are being met and safety outcomes are continually improved. Safety performance measures are categorized as fatalities, injuries, safety events, and system reliability which are selected by the FTA. Safety performance targets consists of 12 categories, total number of fatalities, fatality rate per 100,000 vehicle revenue miles (VRM), total number of injuries, injury rate per 100,000 VRM, total number of safety events, safety events per 100,000 VRM, total number of major security events, major security events per 100,000 VRM, total number of minor security events, minor security events per 100,000VRM, system reliability, and annual VRM. LBT determines the annual targets based on a 3-year rolling average of safety data reported to the NTD.

[1] Bipartisan Infrastructure Law, 49 U.S.C § 5329(d)(5)

Failure to comply with federal law with respect to the safety of the public transportation system is enforced by the U.S. Department of Transportation (DOT) FTA under 49 U.S. Code § 5329.

2024 REVISIONS

Revisions to the LBT PTASP for 2024 include:

- Additional information on National Transit Database reporting.
- Revised Safety Performance Targets (SPTs) from a 5-year rolling average to a 3-year rolling average as required by the 2023 amendments made to the Bipartisan Infrastructure Law.
- Incorporated required information on assaults on Transit Workers into SPTs.
- Information on the Safety Committee's governing rules to comply with the Bipartisan Infrastructure Law.
- Revised and amended definitions, as applicable to changes in the Federal Transit Administration regulations, standards, and guidance.
- Revised key personnel, roles, and responsibilities, as applicable.

ALTERNATIVES CONSIDERED

Staff did not consider other alternatives as LBT must comply with FTA regulations in order to receive funds under FTA's Urbanized Area Formula Grants.

BUDGETARY/FISCAL IMPACT

Annually, LBT is allocated Section 5307 federal funds from the Los Angeles County Metropolitan Transportation Authority, the Regional Transportation Planning Authority through the Formula Allocation Process. Based on the allocation, LBT submits applications for these funds through the Federal Transit Administration.

For FY 2024 LBT was eligible to apply for $23,296,117 in federal capital funds. Based on this amount, noncompliance of the PTASP final rule could result in withholding of up to 25% of federal funds or an estimated amount of $5.8M in funding.

STAFF RECOMMENDATION

Staff is requesting LBT's Board of Directors to adopt Long Beach Transit's 2024 Public Transportation Agency Safety Plan with newly set targets to comply with FTA final rule in accordance with 49 Code of Federal Regulations (CFR) Part 673.

Kenneth A. McDonald
President and Chief Executive Officer

Public Transportation Agency Safety Plan

April 25, 2024









Prepared for: Long Beach Transit
1963 E. Anaheim St.
Long Beach, CA 90813

Supported by: WGR Southwest, Inc.
11021 Winners Circle, Suite 101
Los Alamitos, CA 90720

LONG BEACH TRANSIT

Long Beach Transit's Public Transportation Agency Safety Plan

Prepared for:

Long Beach Transit

1963 E. Anaheim St.

Long Beach, CA 90813

Prepared by:

WGR Southwest, Inc.

11021 Winners Circle, Suite 101

Los Alamitos, CA 90720

Date:

December 7, 2023

LONG BEACH TRANSIT'S

PUBLIC TRANSPORTATION AGENCY SAFETY PLAN

REFERENCE PAGE

TABLE OF CONTENTS

1.0 Executive Summary 1
2.0 Transit Agency Information 3
3.0 Safety Management Policy 6
3.1 Safety Management Policy Statement 6
3.2 Objectives 6
3.3 Safety Management Policy Communication 7
3.4 Authorities, Accountabilities, and Responsibilities 7
3.5 Integration with Public Safety and Emergency Management 8
3.6 Employee Safety Reporting Program 8
4.0 Safety Performance Targets 10
5.0 Safety Risk Management 16
5.1 Hazard Identification 16
5.1.1 Transit Asset Management Plan 16
5.1.2 Employee Safety Reporting Program 17
5.1.3 Infectious Disease Control 17
5.1.4 SMS Inspections 17
5.1.5 Accident, Incident, Assault, and Occurrence Investigations 19
5.1.6 Safety Committee Meetings 20
5.1.7 Safety Trend Analysis 22
5.2 Risk Assessment 22
5.3 Risk Mitigation 23
6.0 Safety Assurance 24
6.1 Safety Performance Monitoring and Measurement 24
6.2 Management of Change 24
6.3 Continuous Improvement 25
7.0 Safety Promotion 27
7.1 Competencies and Training 27
7.2 Safety Communication 28
8.0 Document Management 29
8.1 Reference Documentation 29
8.2 Records and Retention 30
8.3 Revisions and Updates 30
8.4 Certification of Compliance 31

-END OF TABLE OF CONTENTS-

LONG BEACH TRANSIT'S

PUBLIC TRANSPORTATION AGENCY SAFETY PLAN

REFERENCE PAGE

TABLES

Table 1: Long Beach Transit Approvals

Table 2: Safety Contact Information

Table 3: Agency Safety Plan Revision Record

Table 4: Agency Safety Plan Annual Review Record

Table 5: Safety Performance Targets

Table 6: Metropolitan Planning Organizations Contacts

Table 7: Reference Documentation

FIGURES

Figure 1: Continuous Improvement

APPENDICES

Appendix A: SMS Roles and Responsibilities

Appendix B: Safety Management System Organizational Structure

Appendix C: Transit Asset Management Plan

Appendix D: Safety Risk Assessment Matrix

Appendix E: Management of Change Safety Process Flow Chart

Appendix F: Definitions

LONG BEACH TRANSIT'S

PUBLIC TRANSPORTATION AGENCY SAFETY PLAN

ACRONYMS AND ABBREVIATIONS

ADA	Americans with Disabilities Act of 1990
ASP	Agency Safety Plan
CDC	Centers for Disease Control and Prevention
CFR	Code of Federal Regulations
CNG	Compressed Natural Gas
CSO	Chief Safety Officer
DAL	Dial-A-Lift
ERP	Emergency Response Plan
FTA	Federal Transit Administration
KPI	Key Performance Indicators
LBT	Long Beach Transit
LBT1	Long Beach Transit Anaheim Street Facility
LBT2	Long Beach Transit Cherry Street Facility
MAP-21	Moving Ahead for Progress in the 21st Century Act
MOC	Management of Change
MPO	Metropolitan Planning Organization
NTD	National Transit Database
NTI	National Training Institute
NPTSP	National Public Transportation Safety Plan
OSHA	Occupational Safety and Health Administration
PTASP	Public Transportation Agency Safety Plan
SA	Safety Assurance
Section 5329	Public Transportation Safety Program, 49 U.S.C 5329
SMP	Safety Management Policy
SMS	Safety Management System
SPT	Safety Performance Targets
SP	Safety Promotion
SRM	Safety Risk Management
SSPP	System Security Program Plan
TAM	Transit Asset Management Plan
TSD	Transit Service Delivery
VRM	Vehicle Revenue Miles

LONG BEACH TRANSIT'S

PUBLIC TRANSPORTATION AGENCY SAFETY PLAN

DEVELOPMENT AND APPROVAL

The Accountable Executive is a single identifiable person who has the ultimate responsibility for carrying out the Public Transportation Agency Safety Plan (PTASP) and the Transit Asset Management (TAM) Plan; has control or direction over the human and capital resources needed to develop and maintain the PTASP and TAM Plan; and is accountable for ensuring that the agency's Safety Management System (SMS) is effectively implemented, and necessary action is taken to address substandard performance.

I hereby certify the PTASP has been developed in accordance with 49 C.F.R Part 673.

Table 1: LONG BEACH TRANSIT APPROVALS		
Name and Title	**Signature**	**Date of Approval**
Elizabeth Brown Executive Director, VP of Organizational Development and Organization		
Kenneth McDonald President and Chief Executive Officer, Accountable Executive		
David Sutton Chair, Board of Directors		

The Chief Safety Officer (CSO) is an adequately trained individual with the responsibility and authority to manage the day-to-day implementation of the SMS. If/when this person is unavailable, a secondary contact has been identified and listed in Table 2 below.

Table 2: SAFETY CONTACT INFORMATION	
LBT Chief Safety Officer Contact Information	
Title:	Manager, Environmental, Health, and Safety
Name:	Catherine Benecke
Address:	1963 E. Anaheim St., Long Beach, CA 90813
Phone:	(562) 599-8523
Email:	cbenecke@lbtransit.com
LBT Secondary Safety Contact Information – Secondary Contact	
Title:	Environmental, Health, and Safety Officer
Name:	Jocelyn Alvarez
Address:	1963 E. Anaheim St., Long Beach, CA 90813
Phone:	(562) 489-8479
Email:	jralvarez@lbtransit.com

Table 3: LBT'S PUBLIC TRANSPORTATION AGENCY SAFETY PLAN REVISION RECORD				
Revision No.	**Date**	**Revised By**	**Reason for Revision**	**Sections Revised**
1.0	5/6/2020	WGR Southwest, Inc. Chelsea Dreyer	New Plan	All
2.0	11/3/2021	WGR Southwest, Inc. Chelsea Dreyer	Annual Review	Add in information on paratransit SMS program throughout document, add Appendix F: Definitions
3.0	2/23/2022	WGR Southwest, Inc. Chelsea Dreyer	Bipartisan Infrastructure Law, SPT and CSO change	5.1.3, 5.1.6, Table 2, Table 5 Appendix A and Appendix B
4.0	10/24/2022	WGR Southwest, Inc. Chelsea Dreyer	Acronyms and abbreviations, add in information on Bipartisan infrastructure law, change KPI meeting to safety committee meeting, detail safety committee meeting, update frequencies of inspections and meetings, add in three year rolling targets, de-escalation training, new language to revisions and update section.	Ii, iii, 1.0, 3.6, 4.0, 4.1, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 5.1.6.1, 5.1.7, 5.3, 6.1, 7.1, 8.3, Table 5, Table 6, Table 7, Appendix A, Appendix, B and Appendix E
5.0	12/3/2022	WGR Southwest, Inc. Chelsea Dreyer	Safety Committee Meeting updates. Add additional language on assaults, training, and non-revenue miles incidents, accidents, and assaults. Add new definitions, update key personnel, use 5-year rolling	3.6, Table 5, 5.1.5, 7.1, Appendix A, Appendix B, Appendix C, Appendix F
6.0	12/7/2023	WGR Southwest, Inc. Chelsea Dreyer	Additional information on NTD reporting protocol, update to 3-year rolling SPTs, included Security data in SPT determination, information on safety committee's governing rules to comply with bipartisan infrastructure law, definition updates as applicable to changes in regulations, changes to personnel, update to DAL operating hours, Update to Safety Committee objectives, changed "operators" to "transit workers" where applicable, updates to MPO due dates, revised "Safety Administrative Assistant" to "Risk Administrative Assistant"	Page iv, Table 1, Table 2, Table 3, Table 4, Table 5, Table 6,Table 7, 2.0, 3.2, 3.6, 4.0, 5.1.4, 5.1.6, 5.1.6.1, Appendix A, Appendix B, Appendix F

Table 4: PUBLIC TRANSPORTATION AGENCY SAFETY PLAN ANNUAL REVIEW RECORD		
Date	**Name of Reviewer**	**Signature**
11/3/2021	Chelsea Dreyer WGR Southwest, Inc	
9/21/2022	Chelsea Dreyer WGR Southwest, Inc	
12/2/2022	Safety Committee Team Members Mario Ovalle, Safety Officer Sergio Ortiz, Fleet Maintenance Manager Kobii Howard, TSD Superintendent Dino Smith, Training Manager Errol Frazier, Vice President, Union Mauro Varela, Treasurer, Union Victor Rodriguez, Union Steward Rodolfo Mercado, Union Steward William Buhr, Union Representative Jim Scott, VP Maintenance and Infrastructure	 Safety Committee Meeting Facilitator
12/7/2023	Chelsea Dreyer, WGR Southwest, Inc, Lead Auditor Mario Ovalle, Safety Officer Jocelyn Alverez, Environmental Health, and Safety Officer Catherine Benecke, Manager, Environmental Health, and Safety Jasmin Espino, Administrative Assistant	 Lead Auditor, EHS
2/28/2024	Safety Committee Team Members Mario Ovalle, Safety Officer Sergio Ortiz, Fleet Maintenance Manager Kobii Howard, TSD Superintendent Dino Smith, Training Manager Errol Frazier, Vice President, Union Mauro Varela, Treasurer, Union Edgardo Asis, Union Steward Rodolfo Mercado, Union Steward William Buhr, Union Representative Jim Scott, VP Maintenance, and Infrastructure	Catherine Benecke Safety Committee Meeting Facilitator

1.0 Executive Summary

The Moving Ahead for Progress in the 21st Century Act (MAP-21) amended the federal transit law through the authorization of a Public Transportation Safety Program established in 49 U.S. Code § 5329. Pursuant to Section 5329(b), the Public Transportation Safety Program requires the implementation of a National Public Transportation Safety Plan aimed to improve the safety of all transportation systems receiving Federal Transit Administration (FTA) funding. As a transit agency receiving FTA funding, Long Beach Transit (LBT) is required to implement a Public Transportation Agency Safety Plan (PTASP) in accordance with 49 Code of Federal Regulations (CFR) Part 673.

On November 15, 2021, President Biden signed into law the Bipartisan Infrastructure Law, which authorizes federal investment in public transportation. The Bipartisan Infrastructure Law amends FTA's safety program at 49 U.S. Code § 5329(d) by adding to the Public Transportation Agency Safety Plan (PTASP) requirements. These new requirements apply to LBT as a transit agency required to implement a Public Transportation Agency Safety Plan (PTASP) under the PTASP regulation 49 CFR 673.

This document constitutes LBT's PTASP, which is designed to adhere to SMS guidelines for a comprehensive and collaborative approach to managing transit safety. This is a living document that will evolve through successive updates and be expanded as needed through recorded revisions referenced in Table 3. The SMS allows LBT management and labor personnel to work together to control risk, detect and correct safety problems, effectively share and analyze safety data, and more precisely measure safety performance.

The PTASP includes:

- Processes and procedures for LBT's SMS which consists of four main elements: (1) Safety Management Policy (SMP), (2) Safety Risk Management (SRM), (3) Safety Assurance (SA), and (4) Safety Promotion (SP) (49 CFR 673.11(a)(2));
- Performance targets based on the safety performance criteria established under the National Public Transportation Safety Plan (49 CFR 673.11(a)(3));
- All applicable requirements and standards as set forth in the FTA's Public Transportation Safety Program and National Public Transportation Safety Plan (49 CFR 673.11(a)(4)); and
- A process and timeline for conducting an annual review and update of the PTASP (49 CFR 673.11(a)(5)).

LBT's PTASP follows SMS criteria with the aim of generating data and information for Executive Management to evaluate whether implemented safety risk mitigations are appropriate and effective, and to determine if LBT's safety performance conforms with established safety objectives and Safety Performance Targets (SPTs). Safety performance is assessed through routine monitoring activities that enable the identification of any deficiencies in the SMS.

LBT management has the overall responsibility of implementing safe and secure operations within the transit agency. As such, management is committed to providing resources essential to the implementation and control of the SMS. The following sections describe the main SMS components including LBT's SMP, SRM, SA and SP practices.

Approval of LBT's PTASP indicates that the Board of Directors accepts that the PTASP is satisfactory, complies with each requirement set forth in 49 CFR 673, and will effectively guide LBT to manage safety risk. 49 CFR 673 does not require LBT to submit the completed or updated PTASP to the FTA on a regular basis. To fulfill the requirements of 49 CFR 673.13, LBT shall certify the PTASP and maintain the plan onsite to be readily accessible if requested for review.

2.0 Transit Agency Information

As detailed in the Executive Summary, the purpose of preparing this document is to improve the safety of all transportation systems receiving FTA funding. LBT is currently a recipient of Section 5307, 5309, and 5339 funds and is responsible for ensuring that each of the requirements of 49 CFR 673 are met. This document constitutes the PTASP for LBT, ensuring compliance with set requirements of 49 CFR 673.

LBT is a California nonprofit corporation established in 1963 to provide public transportation to the City of Long Beach and 13 neighboring cities. The present boundaries of the 100-square-mile LBT service area are the Glenn Anderson Freeway (I-105) to the north, the San Gabriel River Freeway (I-605) and the Orange County boundary line to the east, the Pacific Ocean to the south and the Long Beach Freeway (I-710 and Terminal Island Freeway CA-47) to the west. In addition to the City of Long Beach, the neighboring communities served by LBT are Artesia, Bellflower, Carson, Cerritos, Compton, Downey, Hawaiian Gardens, Lakewood, Los Alamitos, Norwalk, Paramount, Seal Beach, and Signal Hill. The service area has about 800,000 residents within one-quarter mile of LBT bus stops and includes the 466,742 residents of Long Beach, according to the 2020 U.S. Decennial Census[1].

1963 E. Anaheim St. (LBT1)

LBT's administration, operations and maintenance headquarters are located at 1963 E. Anaheim St. Long Beach, CA 90813. This site is located at the center of the LBT service area, about 2.5 miles from downtown Long Beach, and is well suited for operator and bus exchanges. The 8.25-acre site was designed with 193 bus storage spaces. The LBT1 Transit Service Delivery Building serves as the primary headquarters and operations. Dispatch and the Communications Center are housed in the TSD Building and provide the first response and delegation of reported accidents/incidents. The TSD Building also provides an operator breakroom that aids in the informational display of safety communications. The Main Building contains administrative offices for the following departments: General Management, Finance and Budget, Customer Relations and Communications, Human Resources, Maintenance and Infrastructure, Fleet Maintenance, Risk Management, and Purchasing. Hazards/concerns can be reported and addressed through any department within the administrative offices. The breakrooms in the main building also aid in the informational display of safety communication. The maintenance facility serves as a 24-hour/365-day facility, for all maintenance, fueling and servicing for the bus fleet and provides a garaging location for LBT-operated buses and non-revenue vehicles. All

[1] United States Census Bureau, www.census.gov

breakrooms throughout the maintenance facility aid in the informational display of safety communication.

6860 Cherry Ave. (LBT2)

LBT2 was built in 1998 and is situated on approximately 10 acres at 6860 Cherry Ave. Long Beach, CA 90805. This site offers operational advantages for the northern part of LBT's service area, especially with reduced deadhead (trips in which no customers are transported, including trips to and from division) time. This facility is equipped and staffed for Transit Service Delivery, Service Planning, Training, fueling and maintenance. The Service Planning department plans and develops bus routes with regard to safe movement through pedestrian and vehicular traffic. All LBT training is performed in the LBT2 Administrative Building with certified trainers except maintenance training, which is conducted in the Maintenance Building. The Administrative Building also provides an employee breakroom that aids in the informational display for safety communication. The Maintenance Building serves as a 24-hour/365-day facility for all maintenance, fueling and servicing of the Compressed Natural Gas (CNG) bus fleet and provides a garaging location for LBT-operated buses and non-revenue vehicles.

Dial-A-Lift

LBT relies on contracted transportation for the provision of its Dial-A-Lift (DAL) paratransit service. The DAL Service operates one (1) van and nine (9) MV1's. The DAL service is operated as a public-private partnership and is in addition to Access Services, Inc. (Access Services), the Los Angeles County complementary paratransit services mandated by the American with Disabilities Act of 1990 (ADA). The DAL service, with a fleet of 10 vehicles, is accessible Sundays through Thursdays, and on holidays between 7:00 a.m. to 10:30 p.m. On Fridays and Saturdays, the hours are 7:00 a.m. to 11:30 p.m. The service operates within the cities of Long Beach, Lakewood, Signal Hill, and Paramount. These four cities comprise about 80 percent of the LBT's fixed-route service area. Since 2015, LBT has contracted with Global Paratransit, Inc. to provide its DAL services. LBT's DAL Coordinator is responsible for certifying eligible members and responding to any member concerns or complaints. The contractor is responsible for reservations, dispatch, service delivery and vehicle maintenance.

Water Taxi Service

LBT also relies on contracted transportation for the provision of its water taxi service.

<u>AquaBus</u>

The AquaBus provides water taxi services around Queensway Bay near downtown Long Beach, providing point-to-point service between the Queen Mary, Hotel Maya, Aquarium of the Pacific, Pine Avenue Circle and Shoreline

Village. AquaBus service is provided by two (2) 40-foot boats, each having a capacity for 37 customers.

AquaLink

The AquaLink extends water taxi services between Queensway Bay across the outer harbor and Alamitos Bay on the east side of Long Beach, providing point-to-point service among the Queen Mary, Aquarium of the Pacific, and Alamitos Bay Landing. AquaLink service is provided by two (2) 64-foot catamarans, each with capacity for 74 customers. The route provides a quick connection between the Long Beach Harbor eastern and western attractions. The docks for the AquaBus and AquaLink services are linked to LBT's fixed-route bus services. The operation of AquaBus and AquaLink is currently contracted to Catalina Express. AquaLink and AquaBus are accessible to mobility devices and operate year-round providing service Mondays through Sundays between April and September and Fridays through Sundays between September and April.

3.0 Safety Management Policy

LBT has established a written foundation of its SMS, which commits LBT to the development and implementation of the organizational structures and resources necessary to sustain the safety management process and activities of the SMS. The SMP encompasses LBT's safety objectives, SPTs and the necessary organizational structure to accomplish them. The SMP establishes senior leadership and employee accountabilities and responsibilities for safety management throughout LBT.

3.1 Safety Management Policy Statement

The SMP statement outlines the fundamentals upon which LBT has built and operates its SMS. The SMP statement documents Executive Management's commitment to the SMS and places the management of safety at the same level as LBT's business processes. It also communicates management's commitment to continuous safety improvement and the continuous improvement of the comprehensive SMS.

It is LBT's SMP to:

- Commit Capital and Human Resources needed to maintain the safety of the community and LBT employees.
- Enhance and Improve the quality of life for the people in the community LBT serves through safe transit practices.
- Encourage Reporting of any risk or hazards to Executive Management without fear of disciplinary action.[2]
- Never Compromise the safety of the community LBT serves or its employees in order to "get the job done."

3.2 Objectives

It is the objective of LBT to reduce and/or eliminate incidents and accidents that occur during transit operations each year through continuous improvement. The process used for continual improvement is as follows:

- Identify the hazards through the Employee Safety Reporting Program, inspections, investigations, quarterly key performance indicators, camera and data recorders, training and evaluation records, and annual internal safety audits;

[2] Unless such disclosure indicates the following: an illegal act, gross misconduct and/or negligence, or a deliberate or willful disregard of LBT rules, policies and/or procedures.

- ❖ Mitigate the risk of unacceptable hazards through transit industry best management practices, industry standards and safety committees;
- ❖ Implement appropriate change for the transit operations;
- ❖ Measure the results through performance target indicators, key performance targets and risk assessment matrices; and,
- ❖ Develop and implement written Standard Operating Procedures (SOPs) for SMS processes.
- ❖ Establish a safety committee comprised of employees, management, and union representatives to proactively identify safety concerns, discuss safety initiatives, and collaborate on improving safety practices within the organization. This committee will meet regularly, and not less than quarterly, to ensure that safety issues are addressed comprehensively.
- ❖ Develop and implement strategies aimed at preventing assaults on frontline transit workers. This includes providing training to operators on de-escalation techniques, enhancing security measures on buses, and promoting public awareness campaigns to discourage aggressive behavior in order to create a safer working environment for operators and passengers.

3.3 Safety Management Policy Communication

The LBT SMP is communicated throughout the agency to Executive Management, employees, and contractors. The following is a list of routine SMP communication:

- Safety Blitz: The SMP is included in the distribution of informational materials based on safety topics.
- Training: The SMP is reviewed during all formal training programs for all employees.
- Signage: Posters and banners are conspicuously displayed throughout the facilities (i.e., in all meeting/conference rooms, along corridor walls, in all breakrooms, and on all bulletin displays) communicating the SMP.
- Entrance/Exit Digital Signs: Digital monitors are used to display important safety information at the entrances and exits of the facilities.

3.4 Authorities, Accountabilities, and Responsibilities

Executive Management, key personnel and staff are actively engaged in SMS execution. Appendix A provides the name, position, and corresponding system

safety responsibilities of those directly involved in SMS implementation. Appendix B provides the organizational chart associated with implementation of the SMS and PTASP.

3.5 Integration with Public Safety and Emergency Management

LBT ensures integration with programs that have direct influence on the SMS. LBT has established coordination with both external organizations and internal departments for dealing with emergencies, abnormal operations and returning to normal operations. The Emergency Response Plan (ERP) and the System Security Program Plan (SSPP) listed in Table 7 address the various internal and external programs that may affect safety management and references plans and procedures that support LBT's public safety and emergency management activities.

3.6 Employee Safety Reporting Program

Through the adoption of the SMS framework, SMS findings and actions are communicated to all employees to maintain an active safety management culture. All employees are responsible to continuously support the SMS by ensuring that any identified safety concern is reported to management without fear of reprisal. LBT commits to an employee safety reporting program to convey that receiving safety information from employees is critical to the operation and success of the SMS. Employees can report their safety concerns directly to management, the Communications Center within TSD, or anonymously using Safety Suggestion Boxes located in designated areas throughout LBT. Safety concerns submitted through the Safety Suggestion Boxes are reviewed monthly and either corrected immediately through the responsible department or if related to revenue miles assessed during the quarterly Safety Committee Meetings. Safety concerns submitted are not subject to disciplinary action unless the submitted concern details an illegal act, gross misconduct and/or negligence, or a deliberate or willful disregard of LBT's rules, policies and/or procedures.

In addition, all frontline transit workers notify the Communications Center within TSD in the event a LBT vehicle might have been damaged, a LBT vehicle and another vehicle has made contact, an instance occurs where a customer or employee might have been injured and/or assaulted.

Employees receive formal training on the Employee Safety Reporting Program. This training includes LBT's expectations of the content of employee safety reporting (i.e., what to report, what not to report and how to report) and the procedures established for reporting. The Employee Safety Reporting Program procedure is referenced in Table 7.

Dial-A-Lift training is conducted by a Transportation Safety Institute certified instructor. Training files are audited by Long Beach Transit training department. All Staff at Dial-A-Lift have access to a drop box where they can report anonymous safety or mechanical issues with the vans. In addition, staff has internal reports that are used if any safety issues are encountered.

4.0 Safety Performance Targets

Each transit agency must include Safety Performance Targets (SPTs) in its PTASP that are based on FTA's safety performance measures. The measurement and evaluation of LBT's safety performance is a systematic approach of planning, setting targets, identifying valid measures, conducting accurate data analysis, and implementing adequate follow-up activities. Measuring safety performance promotes continuous safety improvement.

In accordance with 49 US Code § 5329, LBT implements SPTs based on the safety performance measures established by the FTA and reportable to the National Transit Database (NTD). Reporting is completed in accordance with the Federal Transit Administration U.S. Department of Transportation, National Transit Database, Safety and Security Policy Manual, March 2023. Safety performance measures are used to develop specific performance targets to ensure SMS objectives and goals are being met and safety outcomes are continuously improving. The safety performance measures (i.e., fatalities, injuries, safety events and system reliability) selected by the FTA are intended to provide "state of the industry" high-level measures and help focus individual agencies on the development of specific performance indicators and measurable targets relevant to their operations.

Safety Performance Measures:

- **Fatalities** are expressed by the total number of reportable fatalities and rate per total vehicle revenue miles (VRM). Measuring the number of fatalities over VRM provides a fatality rate from which to assess future performance.
- **Injuries** are expressed by the total number of reportable injuries and rate per total VRM. Injuries occur and are due to a variety of circumstances. Analyzing factors that relate to injuries will assist in developing mitigations to prevent them. Measuring the number of injuries over VRM provides an injury rate from which to assess future performance.
- **Safety Events** are expressed by the total number of reportable events and rate per total VRM. This measure acquires all reported safety events that occur during transit operations and the performance of regular supervisory or maintenance activities. A reduction in safety events will aid efforts to reduce fatalities, injuries, and damages to assets. Measuring the number of safety events over VRM provides a safety event rate from which to assess future performance.
- **System Reliability** is expressed as the mean distance between major mechanical failures. The system reliability measure is the relationship between safety and asset condition. The rate of vehicle failures in service, defined as mean distance between major mechanical failures, is measured

as VRM operated divided by the number of major mechanical failures. This is a measure of how well a fleet of transit vehicles is maintained and operated.

Safety performance measures that are determined to be inauspicious based on data received from the incident and accident database (Ellipse) are discussed during the Safety Committee Meetings. Subsequently, if additional management or financial support is needed in order to mitigate the risk the information gained from the Safety Committee Meeting is presented to the Long Beach Transit Leadership Team (LT) consisting of leadership and management representatives from Long Beach Transit. Annual SPTs are summarized in Table 5.

Table 5: Safety Performance Targets - Fixed Route Bus				
Fixed Route Bus	**2021**	**2022**	**2023**	**2024 Targets 3-Year Rolling Average**
Total Number of Fatalities	0	0	1[5]	0
Fatality Rate per 100,000 VRM	0	0	0.02	0.01
Total Number of Injuries[1]	1	4	1	2
Injury Rate per 100,000 VRM	0.02	0.07	0.02	0.03
Total Number of Safety Events[2]	2	4	4	3
Safety Events per 100,000 VRM	0.04	0.07	0.06	0.06
System Reliability[3] [4]	4,079	4,900	4,813	4,597
Annual VRM	4,890,706	6,093,062	6,359,244	-

Footnotes:
[1] Means any injury which: requires immediate medical attention away from the scene excluding single injury NTD reporting threshold (i.e., single injury slips, trips, or falls walking to or from the transit vehicle and is injured, securement issues).
[2] A Safety Event (Accident, Incident or Occurrence) is one that meets any NTD reporting threshold and (1) occurs at a transit revenue facility, maintenance facility or rail yard; (2) Occurs on transit right-of-way or infrastructure (the underlying framework or structures that support a public transportation system); (3) Occurs during a transit-related maintenance activity; or (4) Involves a transit revenue vehicle.
[3] System Reliability is the mean distance between major mechanical failures by mode.
[4] The NTD defines a major mechanical system failure as a failure of some mechanical element of the revenue vehicle that prevents the vehicle from completing a scheduled revenue trip or starting the next scheduled revenue trip because vehicle movement is limited or due to safety concerns.
[5] The 2023 fatality was caused from a motorcyclist colliding with the bus leading to the motorcyclist passing – no other injuries were reported.

Table 5: Safety Performance Targets - Paratransit				
Paratransit	**2021**	**2022**	**2023**	**2024 Targets 3-Year Rolling Average**
Total Number of Fatalities	0	0	0	0
Fatality Rate per 10,000 VRM	0	0	0	0
Total Number of Injuries[1]	0	6	0	2
Injury Rate per 10,000 VRM	0	0.49	0	0.16
Total Number of Safety Events[2]	0	4	2	2
Safety Events per 10,000 VRM	0	0.33	0.10	0.14
System Reliability[3][4]	32009	16948	65357	38104.67
Annual VRM	157581	122954	196073	-

Footnotes:

[1] Means any injury which: requires immediate medical attention away from the scene excluding single injury NTD reporting threshold (i.e., single injury slips, trips, or falls walking to or from the transit vehicle and is injured, securement issues).

[2] A Safety Event (Accident, Incident or Occurrence) is one that meets any NTD reporting threshold and (1) occurs at a transit revenue facility, maintenance facility or rail yard; (2) Occurs on transit right-of-way or infrastructure (the underlying framework or structures that support a public transportation system); (3) Occurs during a transit-related maintenance activity; or (4) Involves a transit revenue vehicle.

[3] System Reliability is the mean distance between major mechanical failures by mode.

[4] The NTD defines a major mechanical system failure as a failure of some mechanical element of the revenue vehicle that prevents the vehicle from completing a scheduled revenue trip or starting the next scheduled revenue trip because vehicle movement is limited or due to safety concerns.

Table 5: Safety Performance Targets - Security				
Security[1]	**2021**	**2022**	**2023**	**2024 Targets[2]**
Total Number of Security Major Events[3]	-	-	1	1
Security Major Events per 100,000 VRM	-	-	0.02	0.02
Total Number of Security Minor Events[4]	-	-	5	5
Security Minor Events per 100,000 VRM	-	-	0.06	0.06
Annual VRM	4,890,706	6,093,062	6,359,244	-

Footnotes:
[1] Starting in 2023 the Federal Transit Administration (FTA) requires public transport companies to report security events in the National Transit Database (NTD). The 2024 Long Beach Transit, Public Transportation Agency Safety Plan has been revised to meet this requirement.
[2] Due to the tracking of the security events in NTD starting in 2023, only one year of data is available.
[3] Major Events include system security events (i.e., bomb threats, bombing, suspicious package, arson, hijacking, cyber, other system security events) and personal events (i.e., assaults, robbery, rape, motor vehicle theft, suicide, attempted suicide, other personal security events) that lead to medical transport away from the scene.
[4] Minor Events included physical assault and non-physical assault that do not lead to medical transport away from the scene.

4.1 **Metropolitan Planning Organization Contacts**

SPTs are evaluated quarterly in conjunction with the Safety Committee Meetings and updated annually in conjunction with the FTA's NTD reporting. States and Metropolitan Planning Organizations (MPO) electronically request the SPTs annually in January. However, if the annual inquiry is not received before January 31st, LBT will submit the SPTs no later than April 30th to the States and MPOs contacts listed in Table 6. The LBT's PTASP are readily available upon request from the State and MPO to aid in said selection of their own performance targets.

Table 6: METROPOLITAN PLANNING ORGANIZATION CONTACTS

Target Transmitted to the State	**State Entity Name**	**Contact Name & Title**	**Contact Information**	**Due Date**
	Southern California Association of Governments	Priscilla Freduah-Agymang Senior Reliability	agyemang@scag.ca.gov	April 30, 2024
Targets Transmitted to the MPO	**MPO Name**	**Contact Name & Title**	**Contact Information**	**Due Date**
	Caltrans Division of Rail and Mass Transportation	Brian Travis Senior Transportation Planner	Brian.Travis@dot.ca.gov	April 30, 2024

5.0 Safety Risk Management

LBT implements Safety Risk Management (SRM) for all elements of its transportation system. The SRM process includes safety hazard[3] identification, safety risk assessment, and safety risk mitigation.

5.1 Hazard Identification

LBT has established a process for safety hazard identification, which includes specific sources of information about hazards and their associated consequences. Hazard identification is performed through various sources including the Employee Safety Reporting Program, inspections, accident and incident investigations, safety trend analysis, customer input and infectious disease control.

5.1.1 Transit Asset Management Plan

The safety and performance of a transportation system partially depends on the condition of its assets. If transit assets are not in a state of good repair this could potentially increase safety risks, decrease system reliability, increase maintenance costs, and lower system performance. Transit asset management allows for improving and maintaining the condition of transit assets; therefore, LBT implements a Transit Asset Management (TAM) plan that collects asset condition data, sets targets, and develops informed strategies to prioritize investments to meet the state of good repair.

LBT considers the results from its TAM plan asset condition assessments when performing safety hazard identification activities through the SMS. The results from the asset condition assessments and SRM activities will inform LBT management team decisions regarding whether an asset meets the state of good repair standards under 49 CFR 625. LBT has established state of good repair performance targets to monitor improvements in the condition of assets. Implementation of the TAM plan involves using data to make informed investment priorities to meet the state of good repair goals; therefore, the LBT asset management planning process will operate conjointly with the SMS for the mutual benefit of both, all under the leadership of the Accountable Executive. The TAM plan is attached in Appendix C and referenced in Table 7.

[3] Under 49 CFR 673.5, a hazard means any real or potential condition that can cause injury, illness, or death; damage to or loss of the facilities, equipment, rolling stock, or infrastructure of a public transportation system; or damage to the environment.

5.1.2 Employee Safety Reporting Program

LBT has an established Employee Safety Reporting Program that allows every employee to communicate safety concerns that may affect the integrity of the agency's transit safety. No action will be taken against any employee who discloses a safety concern through the Employee Safety Reporting Program, unless disclosure indicates, beyond any reasonable doubt, an illegal act, gross misconduct and/or negligence, or a deliberate or willful disregard of rules, policies, and/or procedures.

5.1.3 Infectious Disease Control

LBT has established strategies to minimize exposure of the public, personnel, and property to infectious diseases, consistent with Centers for Disease Control and Prevention (CDC) and State health authority guidelines. LBT's COVID-19 Prevention Program listed in Table 7 identifies mitigations like barriers between the front and rear passenger compartments or strategies related to infectious disease exposure through the safety risk management process.

5.1.4 SMS Inspections

Formal inspections are performed at each of the LBT facilities to ensure safe practices are implemented in accordance with industry standards and requirements. The Environmental, Health, and Safety Officer and outside environmental consultants routinely inspect areas of the facility and equipment for potential safety hazards. The following are inspections that are performed on a routine basis to assist with SRM.

- Facility Inspections: Formal inspections of LBT's facilities are conducted to identify any unsafe or harmful conditions that exist and may require maintenance or modification. Formal environmental safety inspections are conducted monthly by the Environmental, Health, and Safety Officer. Documentation of inspections are readily available. Each facility is also visually inspected for compliance with Occupational Safety and Health Administration (OSHA) requirements and fire codes. An annual third party environmental, health and safety audit is completed.
- Pre-Trip Inspections: Bus Operators conduct federally mandated pre-trip inspections to ensure that the vehicle is in good condition. If deficiencies are observed, Bus Operators are required to report any defects or missing equipment immediately to dispatch. A "Bad Order" card is completed,

and the vehicle will be repaired or taken out of service until the repair can be completed.

- Maintenance Inspections: Mechanics and maintenance employees visually examine for potential hazards with equipment whenever they are using that equipment. The vehicle hoists, chain pulls, and cranes in the vehicle maintenance areas are inspected annually by qualified outside contractors. Maintenance inspections are performed at the end of daily service, twice weekly and at designated mileage intervals. If deficiencies are observed, the vehicle will be repaired or taken out of service until repair can be completed. Inspection documentation is readily available. Maintenance standards and procedures are included in the LBT Fleet Maintenance Plan referenced in Table 7.
- Dial-A-Lift: Dial-A-Lift conducts daily inspections of vans and MV1's by operators. In addition, LBT performs a semi-annual audit of DAL operators' files, vehicle maintenance files and the vehicles. LBT host monthly meetings and prepares weekly reports that evaluate the progress of the operations at Dial-A-Lift.

5.1.5 Accident, Incident, Assault, and Occurrence Investigations

LBT conducts investigations for any safety occurrences, including accidents and incidents, to identify causal and contributing factors and to identify the hazard to prevent the recurrence and mitigate risks. Accidents, incidents occurring to transit workers are classified as preventable, non-preventable, and assaults. Investigations are completed at the scene/site of the accident, incident and/or occurrence assaults by supervisors as applicable to the severity. Less severe incidents and accidents are investigated by road supervisors and risk management officers. All LBT buses are equipped with audio-visual recording devices that monitor and record, at all times, during vehicle operation. In the event of a customer complaint or reporting of an accident/incident/assault the available video is acquired from the bus involved and reviewed as part of each investigation.

Causal and contributing factors are those actions, situations, and conditions which, if eliminated, would prevent, or reduce the effects of the safety event. As such, investigations are a vital data source that allows LBT to monitor and measure compliance with the SMS procedures and SRM. All on-road incidents and accidents are tracked on Ellipse which is a computer database utilized to assess risk. Ellipse is further discussed in Section 5.2. All incidents, accidents and assaults occurring during revenue miles, non- revenue miles or while on route by foot or bus, to the public or to Long Beach Transit employees, must be immediately reported to TSD for record keeping, investigation and corrective action.

Incidents and accidents are tracked in Ellipse for further investigation, root cause analysis and corrective action by the TSD, Safety Department and Risk Department. Accident reporting is described in more detail in the Accident Rating Notice Procedure referenced in Table 7.

All assaults are reported by TSD to the Security Department. The Security Department tracks all information related to the assault as described in more detail in the System Security Program Plan referenced in Table 7.

Dial-A-Lift reports all accidents and incidents immediately to Long Beach Transit. Road supervisor's incident report, pictures, videos, and any other pertinent information is completed by and distributed to Long Beach Transit's.

5.1.6 **Safety Committee Meetings**

LBT has established a designated Safety Committee that is comprised of a joint labor-management process and consists of an equal number of frontline employee representatives and management representatives.[4] The members consist of one (1) Maintenance and Infrastructure Executive Director, one (1) Fleet Maintenance Manager, one (1) TSD Superintendent, one (1) Training Manager, one (1) Safety Officer, one (1) Union Vice President, one (1) Union Treasurer, and three (3) frontline transit workers. Each committee member is required to maintain a good standing with safety and operations.

The Safety Committee meets at least quarterly, and is responsible for approving the PTASP and any updates to the PTASP; identifying and recommending risk-based mitigations or strategies necessary to reduce the likelihood and severity of consequences identified through the agency's safety risk assessment process; identifying mitigations or strategies that may be ineffective, inappropriate, or were not implemented as intended; identifying safety deficiencies for purposes of continuous improvement; and establishing performance targets for the agency's risk reduction program.[5]

Information discussed during each quarterly meeting is recorded in the meeting minutes. These documents are readily available and maintained by the Risk Administrative Assistant in a shared drive.

The Safety Committee maintains policies and procedures about the composition, responsibilities, and operations of the Safety Committee in the Governing Rules, referenced in Table 7.

5.1.6.1 Subcommittees

When deemed necessary LBT will establish subcommittees to meet, research, discuss and address mitigations related to the Safety Committee Meetings findings and recommendations.

Each meeting reviews accidents as an overall organization, analyzes collected data to interpret location specific recurring accidents, provide recommendations for improvements to prevent accidents, and establish goals for measure of improvements. Documentation of topics discussed during each meeting is recorded in the meeting

[4] 49 US Code § 5329(d)(5)(i)

[5] 49 US Code § 5329(d)(5)(iii) Additionally, performance target for a risk reduction program are not required to be in place until the FTA has updated the National Public Transportation Safety Plan to include the performance measures required by the Bipartisan Infrastructure Law.

minutes. These documents are readily available and maintained with the Risk Administrative Assistant.

5.1.7 Safety Trend Analysis

To assess the effectiveness of the SMS and improve safety performance, LBT conducts a quarterly incident and accident trend analysis as part of the Safety Committee Meetings to identify patterns/changes as they relate to behavior, occurrences, and other operational aspects. The quarterly safety trend analysis allows LBT to maintain up-to-date safety assessments aimed at continuously improving the agency's safety performance. The process involves collecting and analyzing safety-related data, in order to meet internal and external objectives and to evaluate the effectiveness of LBT safety efforts. If additional support is needed, outside of the Safety Committee Meeting Members' authority, the Safety Committee Meeting Facilitator will meet with the Leadership Team and Accountable Executive to determine a plan of action. Hazard identification, root cause analysis and corrective actions are achieved through collaboration of the Safety Committee Meeting Members and LBT Leadership Team as discussed in Section 6.1, hazardous identification as discussed in Section 5.1 and SPT as discussed in Section 4.0.

5.2 Risk Assessment

LBT has established procedures for assessing the safety risk of the consequences[6] of identified safety hazards and prioritizing the hazards based on this safety risk. LBT assesses safety risk in terms of likelihood (i.e., the probability of a consequence occurring) and severity (i.e., the seriousness of a consequence, if it does occur); therefore, safety risk is expressed and measured by the predicted probability and severity of a hazard's potential consequences.

To determine whether hazards and associated risks are being appropriately managed or controlled, trained personnel utilize a Safety Risk Assessment Matrix that allows hazards and associated risks to be classified as acceptable or unacceptable. Hazard identification, investigation, and mitigation is discussed in Section 5.1. If classified as an on-road incident/accident/occurrence, the data is input into a risk assessment tracking database called Ellipse. If classified as an off-road and long-term incident/accident/occurrence, it is discussed and addressed in the monthly safety committee meetings. Documentation is kept within the meeting minutes maintained by the Risk Administrative Assistant.

Each hazard is assigned a severity rating based on the information obtained from the hazard identification source. The Safety Risk Assessment Procedure referenced in Table 7, the procedure explains this process in detail. Quarterly, the hazards are collectively analyzed through the Safety Risk Assessment Matrix with

[6] Consequences are outcomes or what hazardous conditions can cause.

respective assigned severity and likelihood. The hazard is then given a representative score which corresponds with acceptable and unacceptable classifications. Acceptable risks require continuous monitoring and unacceptable risks require additional steps and actions to reduce the severity of the potential consequences, the likelihood of occurrence, and/or reducing exposure to that risk. Once the hazard is classified the Safety Committee Members will discuss to determine any necessary mitigations in order to reduce the risk to a safe level. Risk mitigations are assigned to all unacceptable risks for the following year and these mitigations are then added to LBT's objectives.

Dial-A-Lift participates in the LBT process of assessing risk through communication with Long Beach Transit when a hazard is identified or reported.

An example of the Safety Risk Assessment Matrix is provided in Appendix D.

5.3 **Risk Mitigation**

LBT has established a method to identify mitigations or strategies necessary as a result of the safety risk assessment to reduce likelihood and severity of the consequences. LBT has set criteria for different levels of safety risk which involves assigning accountability to levels of management for the safety risk of operations under their control. Risk mitigation is discussed during the Safety Committee Meetings and other applicable subcommittees. Once the risk is identified mitigation accountability is assigned to the responsible level of management dependent upon classification. Management establishes and implements mitigation as applicable to the situation, as applied to the risk.

Hazards presenting an unacceptable risk require mitigation to an acceptable or tolerable level. Safety actions taken to reduce risks include the implementation of procedures and practices (i.e., training, inspections, administrative controls, engineering controls) that mitigate the likelihood of potential hazards. If immediate mitigation is needed, the mitigation is promptly presented to the Accountable Executive and Leadership Team for immediate resolution.

6.0 Safety Assurance

LBT implements a Safety Assurance (SA) process that includes safety performance monitoring and measurement, Management of Change (MOC), and continuous improvement to ensure the effectiveness of mitigating safety risk.

6.1 Safety Performance Monitoring and Measurement

Safety performance monitoring and measurement involves the continuous monitoring of LBT activities to better understand safety performance. Through monitoring and measuring LBT can determine whether safety objectives and performance targets are being met, and how effectively the SMS is being implemented.

LBT uses safety data acquisition and analysis to continuously monitor the SMS for compliance with operation and maintenance procedures. Safety data is collected through the reporting of accidents, incidents, and occurrences in conjunction with internal safety audits. The data sourced from monitoring and measuring safety performance is analyzed for discussion during the safety committee meetings, and as applicable the Leadership Team and subcommittees. The quantifiable data is used to evaluate the success of LBT in meeting targeted objectives for performance. This data is reviewed, analyzed, and presented to various levels of management on a quarterly basis.

Safety hazards are assessed, identified, tracked, and corrected on a Safety Risk Assessment Matrix. All incidents and accidents are assessed and mitigated as discussed in Section 5.2 and Section 5.3. Quarterly, the Safety Risk Assessment Matrix is reevaluated to identify any safety risk mitigations that may be ineffective, inappropriate or were not implemented as intended. The annual SPT discussed in Section 4.0 and overall safety objectives are based on the quarterly Ellipse data. LBT utilizes SPT to measure and evaluate safety performance progress. LBT SRM as described in Section 5.0 enables the agency to gather information and continuously identify and assess changes that may introduce new hazard(s) or impact to LBT safety performance.

6.2 Management of Change

LBT has established a process for identifying and assessing changes that may introduce new hazard(s) or impact agency safety performance. If it is determined that a change may impact safety performance, then LBT will evaluate the proposed change through the SRM process discussed in Section 5.0. The Management of Change (MOC) process for the SMS can be referenced in Appendix D.

6.3 Continuous Improvement

LBT has established an ongoing effort to improve safety, processes, and services through continuous improvement. It is important to continuously improve safety within LBT to ensure the SMS remains effective and relevant, aiding in the achievement of the safety objectives and SPTs.

LBT assesses safety performance through the annual data collection and analysis of the SPTs as described in Section 4.0. If the agency identifies any deficiencies during a safety performance assessment a plan is developed and implemented under the direction of the Accountable Executive to address the identified safety deficiencies. The implemented plan will provide preventative/corrective actions for any identified deficiencies. The mitigation is tracked throughout the year and reevaluated annually. This assessment is completed in conjunction with the annual review and update of the PTASP per requirement 49 CFR 673.11(a)(5).

The process for continuous improvement is cyclical as illustrated in Figure 1.

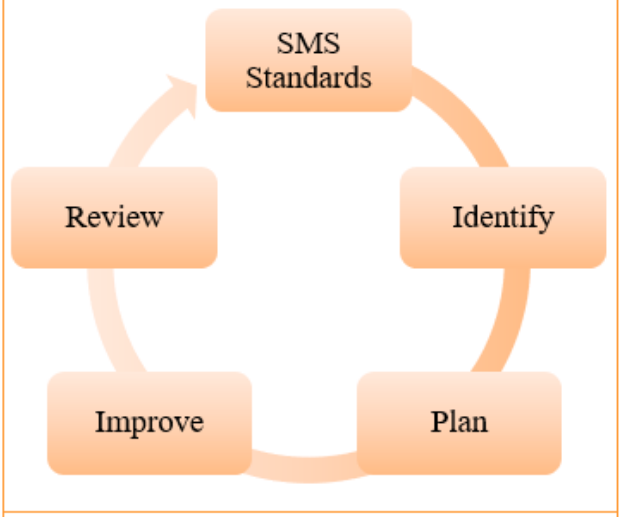


Figure 1: Continuous Improvement

The cyclical process for continuous improvement is as follows:

- SMS Standards: Annually set the SPTs derived from the annual safety performance assessment.
- Identify: Document any deficiencies during the safety performance assessment.
- Plan: Develop and implement a plan to address any identified deficiencies.
- Improve: Preventive and/or corrective actions are provided to improve any identified deficiencies.

- Review: Evaluate through the combined efforts of the safety performance assessment and the annual review, then update the PTASP as needed.

7.0 Safety Promotion

Per requirement 49 CFR 673.29, LBT has established competencies and training for all agency personnel directly responsible for safety; as well as established and maintained the means for communicating safety performance and safety management information.

7.1 Competencies and Training

LBT implements a comprehensive safety training program for all agency employees and contractors directly responsible for safety in the agency transportation system. Retraining or refresher training is conducted as deemed necessary by supervisors, dependent upon employee performance. Retraining or refresher training will occur until the certified instructors confirm the employee's comprehension of safe operations.

Formal training programs for employees may include training classes, manuals, standard operating procedures, and on-the-job training. Trainings also include de-escalation training for maintenance personnel, operations personnel, and personnel directly responsible for safety. In 2019, LBT contracted with Embassy Consulting Inc. (Embassy) to develop and deliver training for LBT operators during LBT's State Mandated Annual Refresher Training (SMART). The first class provides scenarios and techniques to avoid conflict. The second class focuses on empathy and assisting customers with special needs. Currently, Embassy performs the training onsite for new operators during their orientation training. All new operators receive an eight (8) hour training course. Since the inception of the de-escalation training provided by Embassy, assaults on operators have been reduced.

Trainings are tailored to provide information regarding job specific tasks, safe work practices, and LBT policies and procedures. The safety aspect of training is designed to educate employees of the hazards associated with their jobs and the appropriate methods for controlling these hazards. Trainings are categorized as initial, periodic, and retraining or refresher. Safety training can be initiated by the employee. Logs of all completed trainings are maintained at LBT2. Long Beach Transit Training Department uses a software program (Track-It) to manage all training needs for all employees. The software indicates to the Training Department when onboarding or refresher training is due for each employee. Training for employees is prioritized based on risk. If it is a high-level hazard, the training is prioritized. In the interim of getting designated employees through the formal training, safety and training work together implementing informal training methods such as pre-trip notifications, and signs that display the high-level risk hazard. Initial training is intended for new hire or position movement of an employee and/or the receipt of new equipment. This training is job- or equipment-specific and provides the education for familiarization of operations, roles, duties, and activities.

The type of training that is administered at Long Beach Transit is dependent on the hazards identified, the risk level of the hazard and/or regulatory requirements. All incidents, accidents whether non-revenue miles, revenue miles, preventable or non-preventable are tracked on Ellipse. System Reliability is tracked by the Maintenance and Infrastructure Department. Anonymous hazard reporting is tracked by the Safety Department. If the person responsible for the department deems a hazard exists and additional training is needed, the responsible person works with the Training Manager to develop a training proposal to the with information on the hazard level, scope of the training needed, and resources the department can use to develop the training. The training is then developed and implemented based on priority.

LBT's designated personnel (i.e., CSO and CSO Secondary Safety Contact) and the employees with more direct responsibility to the SMS are provided training via the National Transit Institute (NTI) in accordance with the Public Transportation Safety Certification Training Program requirements.

7.2 **Safety Communication**

LBT staff communicates safety information throughout the agency. LBT conveys information on safety risks relevant to employees' roles and responsibilities and informs employees of safety action(s) taken in response to reports submitted through the Employee Safety Reporting Program.

LBT has established the means for effective safety communications based on its structure and size of operation which include the following sources:

- Safety blitz: The distribution of informational materials.
- Training: Formal training programs for employees.
- Signage: Posters and banners displayed throughout the facility (in meeting/conference rooms, along corridor walls, in breakrooms and on bulletin displays).
- Digital Monitors: Digital monitors are displayed in employee breakroom areas.
- Safety Committee Meetings: Quarterly meetings with key personnel to discuss incidents, accidents and assaults based off data received in the during the quarter.

8.0 Document Management

LBT's documentation and records in all stages of development are accessible to those with accountabilities for SMS performance or responsibilities for SMS implementation and operation. Editable SMS documentation is maintained on a restricted access database server. Access to editable SMS documents is permitted when applicable revisions/changes to the documents are required. Final protected SMS documentation is then moved to the communicable database server and is accessible to LBT personnel upon request by the employee.

The extent and complexity of the SMS documentation is adequate to LBT size and structure.

8.1 Reference Documentation

The following is a list of reference documentation and records for SMS implementation and management.

Table 7: REFERENCE DOCUMENTATION

Title	Location	Responsible Personnel	Status
Employee Safety Reporting Program	L:\Drive	Jocelyn Alvarez/ Mario Ovalle	Developed/Implemented
Emergency Response Plan	L:\Drive	Jocelyn Alvarez	Developed/Implemented
Accident Rating Notice	L:\Drive	Jocelyn Alvarez/Mario Ovalle	Developed/Implemented
Safety Risk Assessment Procedure	L:\Drive	Mario Ovalle	Developed/Implemented
Transit Fleet Maintenance Plan	L:\Drive	Steven Jorgensen	Developed/Implemented
Transit Asset Management Plan	L:\Drive	Claudio Molina	Developed/Implemented
System Security Program Plan	Room 417	Billy Anderson	Developed/Implemented

Table 7: REFERENCE DOCUMENTATION			
Title	**Location**	**Responsible Personnel**	**Status**
COVID-19 Prevention Program	L:\Drive	Jocelyn Alvarez	Developed/Implemented
Safety Committee Governing Rules	L:\Drive	Catherine Benecke	In Process

8.2 Records and Retention

Under Part 673, LBT is required to maintain documents that describe its PTASP, including documents related to the implementation of, and the results from, processes and activities. LBT maintains documents related to the implementation of the SMS at all times. LBT maintains documents that are included in whole, or by reference, that describe the policies and procedures LBT utilizes to carry out the PTASP. LBT maintains these documents for a minimum of three (3) years after they are created.

Documents referenced in this PTASP are to demonstrate that the requirement for the PTASP documentation has been met; reducing the need to summarize processes and activities already described elsewhere.

8.3 Revisions and Updates

LBT has established a process for conducting an annual review and update of the PTASP as required by 49 CFR 673. LBT updates its PTASP within 30 days when information, processes, or activities required under Part 673 undergo significant changes. In addition, as LBT collects data through the SRM and SA processes, LBT evaluates its SPTs to determine if change also needs to be applied.

Annual reviews are performed in November of each year. The CSO will coordinate the annual review of the SMS to determine if there are any gaps in the program. The audit will be completed by an individual knowledgeable and competent in SMS policy and LBT plans and procedures. Once the audit is completed, any findings will be reviewed by the Safety Committee Meeting members during the quarterly meeting. An initial revision of the plan will commence addressing the gaps, if any, in the SMS by mid-December. In January, the SPT's will be updated in the PTASP and be distributed to the Safety Committee Meeting members for final review. If necessary, the plan will be revised. The plan

will be ready for certification from the Account Executive and the Board of Directors by April 1st of each year[7].

8.4 Certification of Compliance

LBT, as authorized in Part 673.11(a), internally certifies that it has established a PTASP meeting the requirements of this part. The PTASP and all applicable documents are made available upon request by the FTA, other Federal entity or a State Safety Oversight Agency having jurisdiction. LBT maintains its certification on an annual basis.

END OF DOCUMENT

[7] The PTASP is a living document that will evolve through successive updates and be expanded as needed through recorded revisions. This includes supplementary updates and revisions pursuant to Federal and/or State law revisions.

APPENDIX A

SMS ROLES AND RESPONSIBILITIES

SMS Roles and Responsibilities				
Name	**Title**	**Responsible Executive**	**SMS Role**	**Roles and Responsibilities**
Kenneth McDonald	President and Chief Executive Officer	Chief Executive Officer	Accountable Executive	Ensures the SMS is effectively implemented; ensures action is taken, as necessary, to address substandard performance as it relates to the SMS; ensures a line of communication is open with the Chief Safety Officer, as necessary; and attends annual SMS meetings to discuss plan development.
Elizabeth Brown	Executive Director/VP, Organizational Development and Administration	Chief Executive Officer	Accountable Executive Assigned Designee/ Overseer of the SMS Program	Maintains overarching control over the SMS program. Ensures the SMS is effectively implemented; ensures action is taken, as necessary, to address substandard performance as it relates to the SMS; ensures a line of communication is open with the Chief Safety Officer, as necessary; and attends annual SMS meetings to discuss plan development, when Accountable Executive is unavailable.
Lee Burner	Executive Director/VP, Transit Service Delivery and Planning	Chief Executive Officer	VP of Transit Service Delivery and Planning	Ensures the SMS is effectively implemented; ensures action is taken, as necessary, to address substandard performance as it relates to the SMS; ensures a line of communication is open with the Chief Safety Officer, as necessary; and attends annual SMS meetings to discuss plan development, when Accountable Executive is unavailable.
James Scott	Executive Director/VP, Finance and Budget	Chief Executive Officer	VP of Finance and Budget	Ensures the SMS is effectively implemented; ensures action is taken, as necessary, to address substandard performance as it relates to the SMS; ensures a line of communication is open with the Chief Safety Officer, as necessary; and attends annual SMS meetings to discuss plan development, when Accountable Executive is unavailable.

SMS Roles and Responsibilities				
Name	**Title**	**Responsible Executive**	**SMS Role**	**Roles and Responsibilities**
Catherine Benecke	Chief Safety Officer/Manager, Environmental, Health and Safety	Chief Executive Officer/Executive Director/VP, Organizational Development and Administration	Chief Safety Officer/Safety Management System Executive/Safety Committee Facilitator	Day-to-day implementation of the SMS; annual review of the SMS plan; accountable for oversight and management of safety training, safety risk assessment and data, policies, and safety; schedules meetings as needed with the Safety Committee and designates a safety correspondent; schedules meetings with the accountable executive or their designee to report safety incidents that need immediate attention, as applicable; ensures local state and federal laws coincide with SMS; manages and directs efforts associated with Safety Management System; oversees National Transit Database reporting requirements; and responds to and investigates complaints or incidents.
Jocelyn Alvarez	Environmental, Health and Safety Officer	Manager, Environmental, Health and Safety	Key Personnel/Chief Safety Officer Designee	Maintains SMS plan, safety technical reports; attends Safety Committee Meetings; supports Chief Safety Officer and Safety Officer; and maintains meeting minutes for safety related tasks.
Mario Ovalle	Safety Officer	Manager, Environmental, Health and Safety	Key Personnel	Provides accident investigation training, corrective action, solution, and preventative measures; sends findings to appropriate management; member of safety committee as designated by manager; day-to-day investigation and implementations of safety; safety communication; and compiles safety data and analyzes data to determine risk, mitigation, and corrective actions.

SMS Roles and Responsibilities				
Name	**Title**	**Responsible Executive**	**SMS Role**	**Roles and Responsibilities**
Dino Smith	Training Manager	Executive Director/VP, Organizational Development and Administration	Key Personnel	Responsible for communicating safety performance indicators with Sr. Management; oversees implementation and scheduling of training; development and/or oversite of safety training procedures; manages and develops staff; determines safety training needs dependent on feedback from safety department; develops and organizes safety training manuals, references, visual aids, and other educational materials; ensures that department supervisors and non-supervisory personnel are made aware of the elements of the safety program; ensures proper safety training is being provided to department personnel and that employees are working in a safe manner; and identifies and provides auxiliary safety training in conjunction with the Safety Department.
Monica Surles	Training Management Assistant	Executive Director/VP, Organizational Development and Administration	Key Personnel	Inputs training data; analyzes training data; and communicates with key personnel on whether objectives are being met.
Debbie Alonzo-Gray Mack Blackshire Jaime Cervantes Patricio Hernandez Bruce Jenkins Dana LaRoche Tyrone Fluker Leland Straw	Training Supervisors	Executive Director/VP, Organizational Development and Administration	Key Personnel	Works with maintenance and safety department to identify, develop and administer safety training; takes action to correct and report safety conditions to the safety officer; and ensures safety procedures and protocols are being implemented.

SMS Roles and Responsibilities				
Name	**Title**	**Responsible Executive**	**SMS Role**	**Roles and Responsibilities**
Sean Redmond	Risk Management Representative, General Liability	Risk Manager	Key Personnel	Collects accidents, incidents, injuries, and property loss trends data and analyzes to distribute to correct department; communicates findings to safety officer for review; inputs data associated with incident reporting; and monitors larger claim trends.
Victoria Cordero	Risk Manager	Executive Director/VP, Organizational Development and Administration	Key Personnel	Oversees the direction of the risk department, collects accidents, incidents, injuries, and property loss trends data and analyzes to distribute to correct department; communicates findings to safety officer for review; inputs data associated with incident reporting; and monitors larger claim trends.
Jasmin Espino	Risk Administrative Assistant	Risk Manager	Key Personnel	Assists risk management in the collection and maintenance of analytical data.
Jeff Fortune	Grants Relations Officer/Capital and Grants Planner	Executive Director/VP, Finance and Budget	Key Personnel	Obtaining grants for funding.
Kobii Howard Latrece Brisker	TSD Superintendent	Executive Director/VP, Transit Service Delivery and Planning	Key Personnel	Oversees the day-to-day activities of operators and is responsible for disciplinary actions for the operators and supervisors. Responsible for communicating safety performance indicators to TSD Supervisors, ensures proper safety training is being provided to supervisors and operators as needed. Ensures accident investigation training, corrective action, solution, and preventative measures are taken and reports are being sent to Risk Management Department.

SMS Roles and Responsibilities				
Name	**Title**	**Responsible Executive**	**SMS Role**	**Roles and Responsibilities**
Sergio Ortiz Branden Spalding	Fleet Maintenance Managers	Executive Director/VP, Maintenance, and Infrastructure	Key Personnel	Oversees the day-to-day activities of Maintenance Mechanics and Supervisors and is responsible for disciplinary actions. Responsible for communicating safety performance indicators to Maintenance personnel, ensures proper safety training is being provided to supervisors and mechanics as needed. Ensures accident investigation training, corrective action, solution, and preventative measures are taken and reports are being sent to Risk Management Department.
Billy Anderson	System Security Officer	Executive Director/VP, Transit Service Delivery and Planning	Key Personnel	Oversees the day-to day activities of the system security program and is responsible for maintaining the System Security Program Plan referenced in Table 7.
Safety Committee Members			Key Personnel	Attend meetings to identify and recommend risk-based mitigations or strategies necessary to reduce the likelihood and severity of consequences identified through the agency's safety risk assessment; identify mitigations or strategies that may be ineffective, inappropriate, or were not implemented as intended; and identify safety deficiencies for purpose of continuous improvement.
WGR Southwest, Inc.	Environmental, Health, and Safety Consultant		Key Personnel	Assists Chief Safety Officer in implementation of SMS & SMS Plan, as needed; attends annual meetings, as needed; available to answer regulatory questions, as needed; Research into best practices and implementation, as needed; drafts procedures and protocols for safety and SMS, as needed.
Chaka Garbutt	Dial-A-Lift Coordinator	Executive Director/VP, Transit Service Delivery and Planning	Key Personnel	Responsible for communicating safety performance indicators with Long Beach Transit; provides accident investigation training, corrective action, solution, and preventative measures; sends findings to appropriate management and Long Beach Transit; day-to-day investigation and implementations of safety; safety communication; and compiles safety data and analyzes data to determine risk, mitigation, and corrective actions.

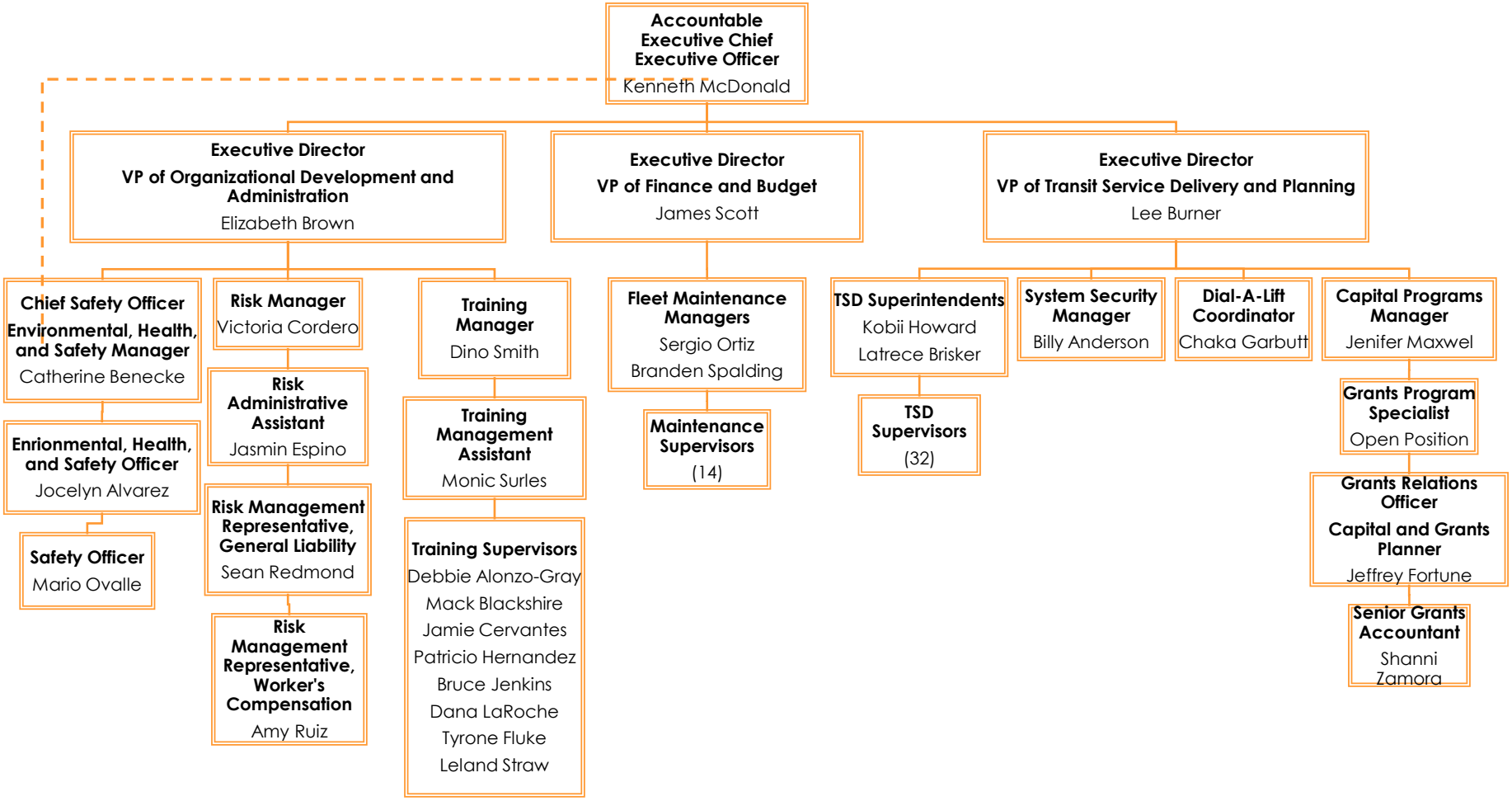
SMS Roles and Responsibilities				
Name	**Title**	**Responsible Executive**	**SMS Role**	**Roles and Responsibilities**
Trevina Lyiscott Louie Garcia Jesus Carrasco	Dial-A-Lift Safety		Key Personnel	Responsible for communicating safety performance indicators with Long Beach Transit; provides accident investigation training, corrective action, solution, and preventative measures; sends findings to appropriate management and Long Beach Transit; day-to-day investigation and implementations of safety; safety communication; and compiles safety data and analyzes data to determine risk, mitigation, and corrective actions.

APPENDIX B

SAFETY MANAGEMENT SYSTEM ORGANIZATIONAL STRUCTURE

APPENDIX B

Safety Management System Organizational Structure



Note: This organizational chart represents the company's Safety Management System (SMS) Organizational Structure and is not indicative of the company's managerial hierarchy or reporting relationships.

APPENDIX C

TRANSIT ASSET MANAGEMENT PLAN

TRANSIT ASSET MANAGEMENT PLAN

prepared for

Long Beach Transit
1963 E. Anaheim Street
Long Beach, California 90813



LONG BEACH TRANSIT

PREPARED BY:
Bureau Veritas
10461 Mill Run Circle, Suite 1100
Owings Mills, Maryland 21117
800.733.0660
www.us.bureauveritas.com

BV CONTACT:
Mark Surdam
Program Manager
800.733.0660 x6251
Mark.Surdam@bureauveritas.com

BV PROJECT #:
150778.21R000-00A.244

DATE OF REPORT:
August 5, 2022

ON SITE DATE:
September 7-16, 2021

TABLE OF CONTENTS

1. Background 2
1.1. Overview 2
2. Federal TAM Requirements 3
2.1. Overview 3
2.1.1. State Of Good Repair Performance Measures 3
2.1.2. TAM Plan Requirements 4
2.2. Purpose 5
2.3. Benefits 5
3. Inventory of Capital Assets 6
3.1. Overview 6
3.2. Equipment 6
3.3. Facilities 7
3.4. LBT1 Facility History 7
3.5. LBT2 Facility History 8
3.6. TVIC Transit Visitor Information Center 9
3.7. LBTCO Corporate Administrative Offices 9
4. Condition Assessment 10
4.1. Purpose of Condition Assessment 10
4.2. Equipment and Rolling Stock 10
4.3. Facilities 11
4.3.1. Facility Condition Assessment Rating 11
4.3.2. Facilities Condition Assessment 11
5. Decision Support Tool 13
5.1. Overview 13
5.2. Equipment 13
5.3. Rolling Stock 13
5.3.1. Revenue Buses and Over-the-Road Coach 13
5.3.2. Paratransit Vehicles 14
5.3.3. Non-Revenue 14
5.3.4. Ferries 15
5.4. Facilities 16
6. Capital Investment Strategy 18
6.1. Overview 18
6.2. Rolling Stock 20
6.2.1. Revenue Buses and Over-the-Road Coach 20
6.2.2. Paratransit Vehicles 21
6.2.3. Ferries 22
6.3. Facilities 22
7. Transit Asset Management (TAM) and State of Good Repair Policy (SGR) 24
7.1. Vision 24
7.2. Accountable Executive 24
7.3. Documented Commitment to Achieving SGR 24
7.3.1. Defined TAM Objectives 24
7.3.2. Roles and Responsibilities 24
8. Implementation Strategy 25
8.1. Asset Management Policy 25
8.2. Goals and Objectives 25
8.3. Target Setting Methodology 25
8.4. Implementation and Continuous Improvement 26
9. Key Annual Activities 27

9.1. Itemization of Annual Order 27
10. Identification of Resources 28
10.1. Overview 28
10.2. Staff Needs 28
10.3. Evaluation Plan 28
11. Performance Targets 29
11.1. Overview 29
11.2. Rolling Stock Useful Life Benchmark 29
11.3. Equipment Useful Life Benchmark 29
11.4. Facilities Term Scale Targets 29
11.5. Infrastructure 29
12. Appendices 30
Appendix A: Revenue Vehicle Inventory (Rolling Stock)
Appendix B: Non-Revenue Vehicle Inventory
Appendix C: Fixed Asset Inventory
Appendix D: Building Term Ratings
Appendix E: Performance Measure Targets

DOCUMENT CONTROL:

	Name	Title	Signature	Date
Author	Bureau Veritas	Consultant	Apas Sadkhi	10.18.22
Authorizer	James Scott	Executive Director/VP, Maintenance & Infrastructure	James Scott	10/24/22
Accountable Executive	Kenneth McDonald	President and CEO	K. McDonald	10/25/22

REVISION AND REVIEW RECORD

Ver no.	Effective Date	Significant Changes	Previous no.
1.0	10/29/2021	Draft Version	NA
1.1	12/08/2021	Draft Version Revised	1.0
1.2	01/20/2022	Draft Version Revised	1.1
1.3	02/19/2022	Draft Version Revised	1.2
1.4	03/11/2022	Draft Version Revised	1.3
1.5	06/12/2022	Draft Version Revised	1.4
1.6	07/29/2022	Draft Version Revised	1.5

1. Background

1.1. Overview

Long Beach Transit (LBT) provides public transportation to more than 23 million annual boarding customers (pre-covid) in southeastern Los Angeles County and northwestern Orange County. With a service area covering over 100 square miles across 14 cities, LBT annually runs more than 6.9 million service miles over 700,000 service hours, using 250 fixed-route buses. LBT also operates water taxi and demand-responsive paratransit services. LBT service attracts a variety of customers, including those who utilize public transit as their primary means of travel. Transit ridership by students has also grown in recent years primarily due to the elimination of school bus service. These core customers rely on LBT to get to work, school, medical appointments and to other recreational destinations throughout LBT's service

LBT operates a public transit system with a wide range of services, including:

- Fixed-route bus service
- Demand-responsive paratransit service (Dial-A-Lift)
- Charter service
- Water taxi service (AquaBus and AquaLink)
- Special seasonal services (LA Galaxy Express, LA Chargers Express, Museum Express)
- Commuter service (UCLA Westwood Commuter Express)

SERVICE AREA STATISTICS

- More than 100 square miles, covering the cities of Long Beach, Lakewood and Signal Hill—as well as Artesia, Bellflower, Carson, Cerritos, Compton, Downey, Hawaiian Gardens, Los Alamitos, Norwalk, Paramount and Seal Beach.
- 800,000 residents live within one-quarter mile of LBT bus stops.
- Over 23 million annual boarding customers.
- LBT routes connect to Los Angeles Metro, Orange County Transportation Authority (OCTA) and other regional operators.
- Customers can transfer to regional transit operators' services with a special interagency transfer that can be loaded on TAP, the regional LA County monthly EZ Pass, or the OCTA and LBT Day Pass.
- Dial-A-Lift service is available to Long Beach, Lakewood, Paramount and Signal Hill residents.

ACCESSIBILITY

- All LBT fixed-route buses and water taxi vessels are 100 percent mobility-device accessible.

WATER TAXIS

- LBT's two 40-passenger AquaBus vessels travel across the Long Beach Harbor between waterfront attractions such as the Queen Mary, the Aquarium of the Pacific, Pine Avenue Circle and Shoreline Village.
- LBT's two 75-passenger, AquaLink high-speed catamarans that operate along the Long Beach coast, between Rainbow Harbor and Alamitos Bay Landing.

2. Federal TAM Requirements

2.1. Overview

Federal regulations require that all assets used in the provision of public transit be subject to this TAM Plan. Industry best practices suggest that the scope of this TAM Plan should be expanded to include all Transit Assets and Land Assets. Land Assets are included in the scope of LBT's transit inventory as part of current asset management practices. Although acquisition and maintenance of these assets compete for the same capital dollars, the TAM Plan does not change the strategy for managing land assets. Accordingly, this TAM Plan includes objectives and strategies to optimize the management of Fleet and Facilities Assets that align with FTA reporting requirements for the National Transit Database (NTD).

As part of MAP-21 and the subsequent Fixing America's Surface Transportation (FAST) Act, the FTA has enacted regulations for transit asset management that require transit service providers to establish asset management performance measures and targets and develop a TAM Plan. Further, the Infrastructure Investment and Jobs Act (IIJA), continues the Public Transportation Innovation program, which awards funding to advance innovative public transportation research and development.

The final TAM Rule was published on July 26, 2016 and went into effect on October 1, 2016. The rule itself amended the United States (U.S.) Code of Federal Regulations (CFR) Title 49 Parts 625 and 630, which relate to TAM and the NTD respectively. The TAM Final Rule distinguishes requirements between larger and smaller or rural transit agencies. Based on the criteria, and the type of service provided, LBT is a Tier 1 provider.

FTA defines a Tier I provider as:

- "Owns, operates, or manages either 101 or more vehicles in revenue service during peak regular service or in any one non-fixed route mode", or,
- "Operates rail transit.", and

FTA defines a Tier II provider as:

- "Owns, operates, or manages one hundred (100) or fewer vehicles in revenue service during peak regular service across all non-rail fixed route modes or in any one non-fixed route mode", or,
- "Provider under the 5311 Rural Area Formula Program", or,
- "An American Indian tribe"

2.1.1. State Of Good Repair Performance Measures

The TAM Rule requires that transit agencies establish state of good repair (SGR) performance measures and targets for each asset class. As a Tier I provider, LBT must report on the SGR measures for the following asset categories as defined by the FTA:

- Rolling stock (revenue vehicles): Percent of vehicles that have either met or exceeded their Useful Life Benchmark (ULB)
- Equipment (non-revenue service vehicles): Percent of vehicles that have either met or exceeded their ULB
- Facilities: Percent of facilities rated below condition 3 on the FTA TERM scale

Note: Infrastructure (rail fixed guideway, track, signals and systems) does not apply to LBT because it is a bus and ferry only transit property

Transit agencies may also develop additional SGR performance measures for each asset category or class. LBT has chosen to do so. And, although LBT's immediate focus is on the National Transportation Database (NTD) Reporting requirements, there are many other key performance indicators that allow LBT to monitor asset performance as well as business process performance more closely to aide in day-to-day operational effectiveness and efficiencies. These measures may be added to future iterations of the TAM Plan.

2.1.2. TAM Plan Requirements

In accordance with Moving Ahead for Progress in the 21st Century Act (MAP-21), all recipients and sub- recipients of federal financial assistance under 49 U.S.C. Chapter 53 that own, operate or manage capital assets used in the provision of public transportation must develop a Transportation Asset Management (TAM) Plan. TAM is a business model that uses the condition of assets to guide the optimal prioritization of funding at transit properties in order to keep the nation's transit networks in a State of Good Repair (SGR). As a Tier I provider, LBT must develop its own TAM Plan that includes all nine (9) elements of the Final Rule. These elements must:

- Define the TAM and SGR policy
- Include the capital asset inventory
- Provide asset condition assessment information
- Describe the decision support tools used to prioritize capital investment needs
- Identify project-based prioritization of investments
- Discuss the TAM Plan implementation strategy
- Describe the key TAM activities to be undertaken during the four year horizon period
- List resources needed to carry out the TAM Plan
- Outline how the TAM Plan will be monitored and updated to support continuousimprovement.

Tier	Element	Brief Description
Tier I and II	I. An inventory of asset	A register of capital assets and information about those assets.
	2. A condition assessment of inventoried assets	A rating of the assets' physical state; to be completed for assets an agency has direct capital responsibility for; should be at a level of detail sufficient to monitor and predict performance of inventoried assets
	3. Description of a decision support tool	An analytic process or tool that (1) assists in capital asset investment prioritization and/or (2) estimates capital needs over time *does not necessarily mean software*
	4. A prioritized list of investments	A prioritized list of projects or programs to manage or improve the SGR of capital assets
Tier I only	5. TAM and SGR policy	A TAM policy is the executive-level direction regarding expectations for transit asset management; a TAM strategy consists of the actions that support the implementation of the TAM policy
	6. Implementation strategy	The operational actions that a transit provider decides to conduct, in order to achieve its TAM goals and policies
	7. List of key annual activities	The actions needed to implement a TAM plan for each year of the plan's horizon
	8. Identification of resources	A summary or list of the resources, including personnel, that a provider needs to develop and carry out the TAM plan
	9. Evaluation plan	An outline of how a provider will monitor, update, and evaluate, as needed, its TAM plan and related business practices, to ensure the continuous improvement

In accordance with Moving Ahead for Progress in the 21st Century Act (MAP-21) and the Infrastructure Investment and Jobs Act (IIJA), all recipients and sub-recipients of federal financial assistance under 49 U.S.C. Chapter 53 that own, operate or manage capital assets used in the provision of public transportation must develop a Transportation Asset Management (TAM) Plan. TAM is a business model that uses the condition of assets to guide the optimal prioritizationof funding at transit properties in order to keep the nation's transit networks in a State of Good Repair (SGR).

SGR is the condition in which a capital asset is able to operate at a full level of performance. This means the asset:

- Is able to perform its designed function
- Does not pose a known unacceptable safety risk
- Lifecycle investments have been met or recovered

LBT's TAM Plan must be updated in its entirety at least every four years. The TAM Plan must also coincide with relevant Statewide Transportation Improvement Plans, cover four years and amended during the horizon period when there is a significant change.

2.2. Purpose

To help achieve and maintain a state of good repair for the nation's public transportation systems.

2.3. Benefits

- Improved transparency and accountability
- Optimized capital investment and maintenance decisions
- More data-driven maintenance decisions
- Potential safety benefits

3. Inventory of Capital Assets

3.1. Overview

Long Beach Transit defines capital assets as property, plant and equipment costing $10,000 or more and having an estimated useful life of more than one year. However, LBT defers to listing capital assets with an acquisition value greater than $50,000. These assets must be owned by LBT and they include, but are not limited to, vehicles, facilities, systems assets, and equipment. A general overview of asset categories and classes can be found in below.

Category	Class
Equipment	▪ Service Vehicles ▪ Maintenance
Rolling Stock	▪ Buses ▪ Other Passenger Vehicles ▪ Ferries
Infrastructure	▪ Structures ▪ Traction Power
Facilities	▪ Support Facilities ▪ Passenger Facilities ▪ Parking Facilities

3.2. Equipment

LBT's equipment includes its service vehicles and a maintenance equipment over $50,000. This includes, but is not limited to, the bus wash, fuel island, BEB charging station, CNG station, etc. The list can be found in the Appendices listed below.

- Appendix B: Non-Revenue Vehicle Inventory
- Appendix C: Fixed Asset Inventory

The equipment list comes from two sources. However, both reports originate from LBT's Enterprise Asset Management (EAM) system, Ellipse. The Finance and Budget (Finance) department generates the list of equipment assets through their Fixed Assets report. The Maintenance and Infrastructure (M&I) department assists with the reconciliation of the list of equipment.

LBT currently operates 250 fixed-route (revenue) buses, one over-the-road coach, 10 paratransit vehicles and four ferries (two AquaBus, two AquaLink). LBT has elected to include its 25 contingency buses as part of its TAM plan. The assets useful life benchmark (ULB) is based on LBT's Financial Policies on Capital Assets and its unique operating environment (service frequency, weather, geography). Depreciation is calculated based on this number using the straight-line method starting at its acquisition date.

Although the FTA issues Useful Life Benchmark (ULB) guidelines for transit equipment and structures, LBT has chosen to decrease the benchmark and relies on a robust maintenance program to ensure a state of good repair. LBT's estimated useful lives of the Agency's capital assets are as follows:

- Buildings and improvements 5-40 years
- Buses 12 years
- Vessels 12 years
- Paratransit Vehicles 3 years
- Service Trucks and Other Rubber Tire Vehicles 4 years
- Service Autos and Vans 3 years

See Appendix A: Revenue Vehicle Inventory

3.3. Facilities

LBT has two main properties and the Transit & Visitor Information Center (TVIC). The two main properties are designated as LBT1 and LBT2. LBT1 has a building for the TSDP department and the main building is used for a combination of maintenance and administration and a maintenance building north of the main building is known as the north shops. LBT2 has a building for the TSDP department and a building for the M&I department. The TVIC is located in Downtown Long Beach along the First Street Transit Gallery.

A fourth property has recently been acquired to house the Long Beach Transit Administrative offices. This property is not occupied at the present time.

1. LBT1 (1963 E. Anaheim St., Long Beach, CA 90813)
   a. 1-Administrative Facility (TSDP)
   b. 1-General Purpose and Administrative Facility (Main building)
   c. 1-General Purpose Facility (North Shops)
2. LBT2 (6860 Cherry Ave., Long Beach, CA 90805)
   a. 1-Administrative Facility (TSDP)
   b. 1-General Purpose Facility (M&I)
3. TVIC (107 E. First St., Long Beach CA 90802)
   a. 1-Administration Facility
4. LBTCO (4801 Airport Plaza Drive, Long Beach, CA 90815)
   a. 1-Administrative Office Building.

3.4. LBT1 Facility History

This facility was originally built on approximately 6.5 acres to accommodate 135 buses. In the 1980s, the facility was remodeled to provide greater capability to maintain buses with a larger engine rebuild shop, more repair bays, a larger fuel island facility and an expansion of offices.

During this time, the Cherry Avenue parking lot and the front section of the property on Anaheim Street were acquired, which gives LBT an overall 8¼ acres at this site.

This main building is generally referred to as the general administration and maintenance building. The first floor is 41,678 sq. ft., and the second floor is 16,486 sq. ft., for a combined square footage of 58,164. The addition of the Operations building in 1997 provides an additional 10,220 sq. ft.

Approximately 68,000 sq. ft. is currently being used at this location for LBT business needs.

In 1990, the newly expanded stockroom on the second floor was converted for the expansion of the Finance and Purchasing department staffing needs. At that time, three plans were developed. Plan A was implemented and is currently the area in which the Finance department occupies that encompasses 3,800 sq. ft. Plan B was an extension of the second floor over the existing first-floor stockroom parts receiving area and would have added 2,000 more sq. ft. Plan C was a second-story floor extension into the engine rebuilds room and would have added 5,300 sq. ft. Plans B and C were never implemented due to the acquisition of land in north Long Beach, which resulted in the construction of LBT2.

During the 1990s, existing offices were converted for the expansion of the computer room and telephone equipment requirements. In addition, an Operations building was constructed on Anaheim Street that housed the marketing and Customer Service representatives, the Bus Operators and the Operations Administration staff.

In 2000, the former Operators' lounge in the main administration building was remodeled for the growth of the marketing department and Customer Service representative needs. This allowed the expansion of the Operations department to also accommodate their expanding staffing needs. In 2006, a newly expanded money counting room was added into the engine rebuild shop.

3.5. LBT2 Facility History

For future bus parking, staff parking, maintenance garage expansion and future growth requirements, 10 acres were purchased in Long Beach at the northern city boundary, located at Cherry Avenue and 68th Street. The intent of this purchase was to enable LBT to meet its projected planning needs for the next 20 years. This property was purchased in 1989 and LBT opened its doors at LBT2 in September 1998. The Operations building is 15,165 sq. ft. and the maintenance building is 49,786 sq. ft. for a combined square footage of 64,951.

During the procurement and concept development, this transit center and bus parking lot were intended to support a 250-bus fleet, utilizing stacked parking. In the end, the parking design yielded up to 180 buses (stacked) and 136 striped stalls. Over the past 18 years, LBT has repurposed much of the parking, removing a total of 23 stalls for other purposes, leaving available up to 113 assignable stalls. In addition, LBT's Operator-training program uses the bus parking area as its Operator-training course.

During the development and planning stages, it was decided that the LBT2 facility would be a satellite facility and the Anaheim Street complex would serve as the major administration facility. Therefore, only a first-floor Operations building was built and minimum Maintenance Administration offices were planned for this new facility. At that time, the operations building was designed to expand the first floor north to the property line if LBT needed future administration staffing. This existing grass area is approximately 8,800 sq. ft.

During the past 18 years, LBT has converted the maintenance facility second-floor space to add a larger Maintenance training room, electronic repair room with two cubicle offices (the latter two now being used by LBT's Information Technology department). In addition, the second-floor storage area was originally designed as a future inventory stockroom. This remaining area is approximately 5,000 sq. ft. and is currently used for storage of parts and other materials.

In addition, LBT has 152 employee parking spaces at the front of the Operations building and 22 LBT non-revenue vehicle parking spaces inside the bus parking area. There are 35 parking spaces allocated for Maintenance employees.

In 1998, LBT transferred its entire Training and Service Development and Planning departments to this location. In addition, LBT converted existing office space for its increasing computer and telephone requirements. LBT continues to maintain satellite offices for human resources, operations management and information technology. One of the offices is now used as a computer lab for Operations training. There is a large training room and a conference room in the Operations building, which is used periodically as an Operator's bid room.

3.6. TVIC Transit Visitor Information Center

Located on the corner of 1st St. and Pine Ave. The facility opened in June 2009 and provides both visitor and transit information, along with sales of transit fare media. Many customer service features are also available at the Center, including expanded window service hours, a real-time transit schedule display, a touch-screen kiosk that provides 24-hour transit information, and downtown Long Beach's first public restrooms with a dedicated attendant.

3.7. LBTCO Corporate Administrative Offices

Since its creation in 1963, LBT has grown significantly to its present 100-square-mile service area, serving the City of Long Beach and 13 surrounding cities. Currently, both of LBT's operating and maintenance facilities are functioning at full capacity. The administrative space at LBT1 is demonstrably exceeding capacity.

LBT conducted an assessment of existing infrastructure, operations and program needs, resulting in the development of a Facility Master Plan to determine and outline LBT's programmatic needs for the next 20 years (2019–2039). The plan allows the agency to gauge its facilities' needs based on growth projections of 5%, 10% and 20%.

During the course of assessing and identifying the facility, the consultant conducted an initial search of potential properties in the area that could fit LBT's alternative scenarios. Through that process, a suitable building was identified.

On February 27, 2020, LBT's Board of Directors authorized the President and CEO to enter into a contract to execute a purchase and sale agreement for the acquisition of the Port of Long Beach's former administrative office building.

Currently the plans are being drawn for renovation work to bring the building up to current code and energy efficiency standards. Renovation work is anticipated in 2022 with occupancy the first quarter of 2023.

4. Condition Assessment

4.1. Purpose of Condition Assessment

MAP-21 created a requirement that conditions of facility, infrastructure, rolling stock and equipment be added to the National Transit Database (NTD). Additionally, the data set is needed to ensure LBT compliance with TAM as well as using it to calculate SGR-related measures. LBT must only conduct and report condition assessments for transit assets for which LBT has a direct capital responsibility. The chart below provides an overview each category, what is to be assessed and how they are measured.

Category	Assessing Condition	Performance Targets	Measure
Equipment	▪ Age based	▪ Only non-revenue service vehicles	ULB
Rolling Stock	▪ Age based	▪ Only revenue vehicles by vehicle class/mode	ULB
Facilities	▪ Only facilities with direct capital responsibility (not bus shelters	▪ Maintenance, Administrative, Passenger and Parking Facilities	TERM

4.2. Equipment and Rolling Stock

The Useful Life Benchmark (ULB) is defined as the expected lifecycle of a capital asset for a particular transit provider's operating environment, or the acceptable period of use in service for a particular transit provider's operating environment. ULB criteria are user defined, whereas ULB takes into account, a provider's unique operating environment (service frequency, weather, geography). When developing Useful Life Benchmarks (ULB), LBT recognized and took into account the local operating environment of its assets within the service area, historical maintenance records, manufacturer guidelines, and the default asset ULB derived from the FTA.

Condition ratings for revenue and non-revenue vehicles are expressed in terms of the percentage of assets that are 'at', or 'past' the Useful Life Benchmark (ULB). Long Beach Transit is using an adjusted ULB to meet or exceed FTA guidelines. This ULB is used to determine LBTs fleet of rolling stock and non-revenue vehicles replacement needs. LBT may exceed the ULB due to its Preventative Maintenance Program that keeps vehicles in a constant state of good repair.

4.3. Facilities

The condition of facilities and facility equipment are determined using the FTA's Transit Economic Requirements Model (TERM) scale. A TERM scale condition rating ranges from (5) Excellent to (1) Poor. Per the FTA TAM Final Ruling, assets with a condition rating score of 3.0 and above are in a state of good repair. Assets with a condition score lower than 2.9 are not in a state of good repair, and may require prioritization during capital programing to ensure safe, efficient, and reliable transit service.

4.3.1. Facility Condition Assessment Rating

Rating	Condition	Description
5	Excellent	No visible defects, new or near new condition; may still be under warranty if applicable
4	Good	Good condition, but no longer new; may have some slightly defective or deteriorated component(s), but is overall functional
3	Adequate	Moderately deteriorated or defective components; but has not exceeded Useful Life
2	Marginal	Defective or deteriorated component(s) in need of replacement, exceeded Useful Life
1	Poor	Critically damaged component(s) or in need of immediate repair; well past Useful Life

A Facilities Condition Assessment was conducted in 2021 to determine the TERM Rating of the various LBT facilities. The results are illustrated in the following table.

4.3.2. Facilities Condition Assessment

Facility	Condition	Year Assessed
LBT1 Maintenance	3	2021
LBT1 Administration	3	2021
LBT1 TSD&P	3	2021
LBT1 North Shop	3	2021
LBT1 Fuel Station	3	2021
LBT1 Site	3	2021
LBT2 Maintenance	4	2021
LBT2 TSD&P	3	2021
LBT2 Site	3	2021
TVIC	3	2021
LBTCO Administrative Office Building	3	2021

See Appendix D: Building Term Ratings

5. Decision Support Tool

5.1. Overview

Each transit agency must be able to have an analytical process(es) used to estimate capital investment needs over time and assist in prioritization. LBT has developed a process to create a decision tool for its equipment, rolling stock and facilities. The following sections are an overview of LBT's decision support tool for each asset type.

5.2. Equipment

Long Beach Transit is using an adjusted ULB to meet or exceed FTA guidelines. This ULB is used to determine LBTs fleet of rolling stock vehicle replacement needs. LBT may exceed ULB guidance due to its Preventative Maintenance Program that keeps vehicles in a constant state of good repair.

5.3. Rolling Stock

5.3.1. Revenue Buses and Over-the-Road Coach

LBT's estimated useful lives of revenue buses is 12 years. LBT is using an adjusted ULB to meet or exceed FTA guidelines.

The decision support tool used to determine the replacement needs for revenue buses is as follows:

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

5.3.2. Paratransit Vehicles

LBT's estimated useful lives of paratransit vehicles is 3 years. LBT is using an adjusted ULB to meet or exceed FTA guidelines.

The decision support tool used to determine the replacement needs for paratransit vehicles is as follows:

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

5.3.3. Non-Revenue

LBT's estimated useful lives of non-revenue vehicle is 4 years. LBT is using an adjusted ULB to meet or exceed FTA guidelines.

The decision support tool used to determine the replacement needs for non-revenue vehicles is as follows:

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

5.3.4. Ferries

LBT's estimated useful lives of vessels is 12 years. LBT is using an adjusted ULB to meet or exceed FTA guidelines.

The decision support tool used to determine the replacement needs for vessels is as follows:

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

5.4. Facilities

LBT's facility decision support tool is based on the results of the latest condition assessment of the facilities. Long Beach Transit is using an adjusted ULB to meet or exceed FTA guidelines. The TERM (Transit Economic Requirements Model) rating results are the aggregation of the condition ratings for the various Primary Level components of a building, which in turn are based on the condition ratings of the Secondary Level components (see Section 4.3.1).

ID#	Primary Level	Secondary Level
A.	**Substructure**	• Foundations: Walls, columns, pilings, etc. Basement: Materials, insulation, slab, floor underpinnings
B.	**Shell**	• Superstructure / structural frame: Columns, pillars, walls Roof: Roof surface, gutters, eaves, skylights, chimney surrounds Exterior: Windows, doors, and all finishes (paint, masonry) Shell appurtenances: Balconies, fire escapes, gutters, downspouts
C.	**Interiors**	• Partitions: Walls, interior doors, fittings and signage Stairs: Interior stairs and landings Finishes: Materials used on walls, floors, and ceilings Covers all interior spaces, regardless of use.
D.	**Conveyance**	• Elevators Escalators Lifts: Any other such fixed apparatuses for the movement of goods or people

ID#	Primary Level	Secondary Level
E.	**Plumbing**	• Fixtures Water distribution Sanitary waste Rain water drainage
F.	**HVAC** (Heating, ventilation, and air conditioning)	• Energy supply Heat generation and distribution systems Cooling generation and distribution systems Testing, balancing, controls and instrumentation Chimneys and vents
G.	**Fire Protection**	• Sprinklers Standpipes Hydrants and other fire protection specialties
H.	**Electrical**	• Electrical service & distribution Lighting & branch wiring (interior and exterior) Communications & security Other electrical system-related pieces such as lightning protection, generators, and emergency lighting
I.	**Equipment***	• Equipment related to the function of the facility, including maintenance or vehicle service equipment – does not include supplies
J.	**Site**	• Roadways/driveways and associated signage, markings, and equipment Parking lots and associated signage, markings, and equipment Pedestrian areas and associated signage, markings, and equipment Site development such as fences, walls, and miscellaneous structures Landscaping and irrigation Site utilities

The condition of facilities and facility equipment are determined using the FTA's Transit Economic Requirements Model (TERM) scale. Assets with a condition rating score of 3.0 and above are in a state of good repair. Assets with a condition score lower than 2.9 are not in a state of good repair, and will require prioritization, dependent upon the need, either immediately or during capital programing to ensure safe, efficient, and reliable transit service.

6. Capital Investment Strategy

6.1. Overview

All projects are developed in consideration of the following Capital Strategic Focus elements:

Focus I: Improving Customer Amenities

Focus II: Rehabilitating and Maintaining Assets

Focus III: Modifying/Expanding Facilities

Focus IV: Replacing and Expanding Fleet

Focus V: Upgrading Technology

Focus VI: Enhancing Safety and Security

These categories refine the selection of the most vitally important projects that promote reliable and high-quality service to LBT customers at the lowest cost possible. The cost savings achieved by the increased efficiencies are reinvested in the future for further improvement and growth of LBT.

All proposed projects are prioritized and ranked based on the following categories:

I: ESSENTIAL – Projects that cannot reasonably be postponed in order to avoid harmful or otherwise undesirable consequences.

- Required for operation to provide core services to customers
- Corrects a condition dangerous to health or safety
- Alleviates an emergency service disruption or deficiency
- Prevents irreparable damage to a valuable customer facility
- Satisfies a legal obligation
- Advocates/aligns with LBT's strategic priorities

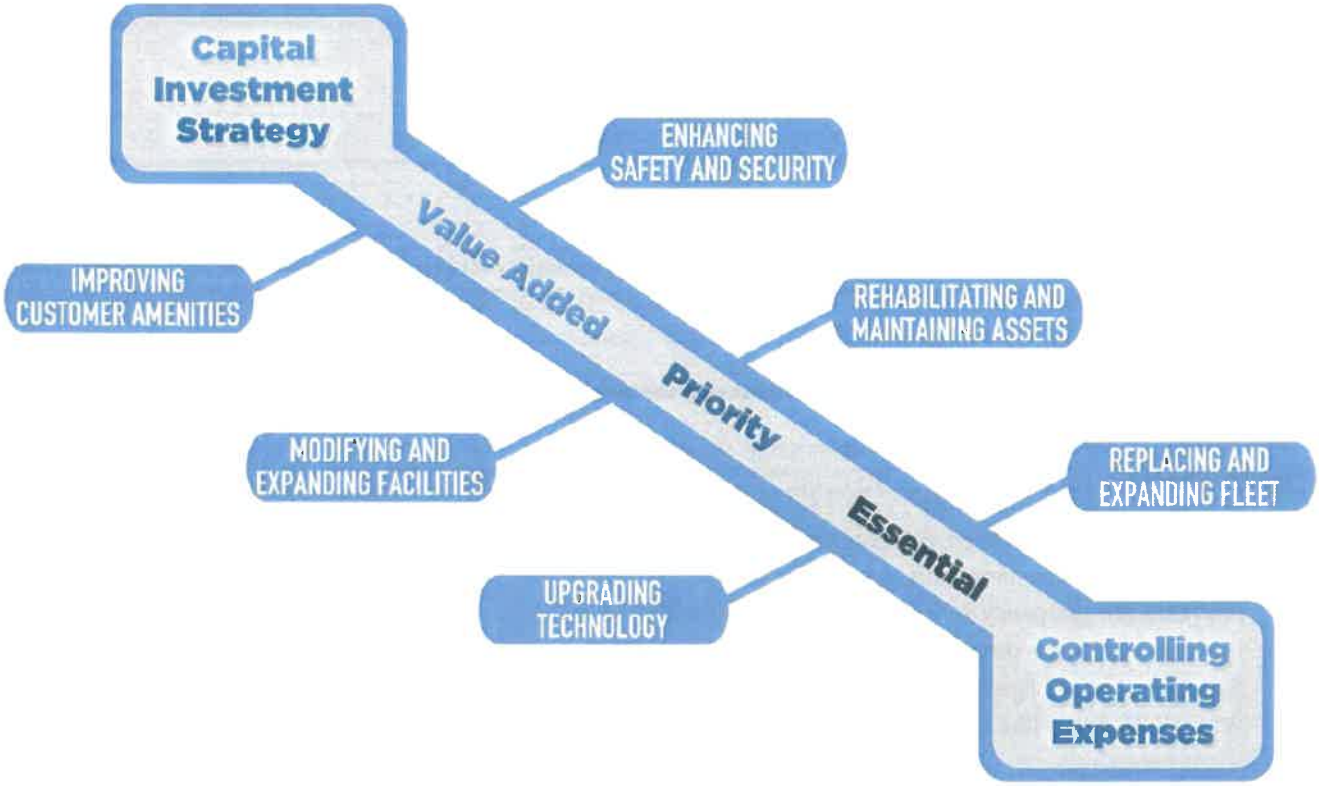
II: PRIORITY – Projects that address clearly demonstrated needs or objectives.

- Rehabilitates or replaces an obsolete customer facility
- Reduces future operating and maintenance costs
- Increases efficiency of operation
- Maintains assets in a like-new condition

III: VALUE ADDED – Projects that are beneficial but may be delayed without detrimental effects to basic services.

- Provides a new or expanded level of service
- Promotes intergovernmental cooperation
- Reduces energy consumption
- Enhances cultural or natural resources

LBT's internal Key Performance Indicator (KPI) team reviews and provides recommendations for prioritization of investments. The prioritization is based on criteria, weights and values. "Essential" investments have a weight of 5, "Priority" investments have a weight of 3 and "Value Added" investments have a weight of 2. LBT's Executive Leadership Team (ELT) makes the final determination on the prioritization of the investments.



LBT Investment Priority

6.2. Rolling Stock

LBT uses ULB as the primary consideration for rendering replacement decisions. LBT is using an adjusted ULB to meet or exceed FTA guidelines. This ULB is used to determine LBTs fleet of rolling stock vehicle replacement needs. LBT may exceed ULB guidance due to its Preventative Maintenance Program that keeps vehicles in a constant state of good repair.

Thus a rating score is determined using the actual age as follows:

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

Assets are then prioritized by score that is used to render a decision.

6.2.1. Revenue Buses and Over-the-Road Coach

The results of the decision support tool for LBT's revenue buses and over-the-road coaches determines the replacement priority for each vehicle.

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

6.2.2. Paratransit Vehicles

The results of the decision support tool for LBT's paratransit vehicles determines the replacement priority for each vehicle.

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

6.2.3. Ferries

The results of the decision support tool for LBT's ferries determines the replacement priority for each ferry.

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

6.3. Facilities

Facilities condition ratings are determined by the aggregations of TERM rating scores for the secondary level components.

SCORE	% USEFUL LIFE REMAINING
1	< = 0%
2	< = 10%
3	< = 20%
4	< = 30%
5	< = 40%
6	< = 50%
7	< = 60%
8	< = 70%
9	< = 80%
10	< = 90%

Investment Prioritization		
Score	Rating	Description
6-10.	Low	No immediate decision required
4-5.	Moderate	Decision required within the next 3–5 years
1-3.	High	Immediate decision required within 1 year

LBT analyzes the TERM rating scores for the Secondary Level Building Components and prioritizes repair and replacements of those components to maintain the facilities in a state of good repair.

LBT generates work orders through its enterprise software system (Ellipse) to perform routine preventive maintenance and inspections on Facilities and Facility Equipment in order to document performance. The results of the preventive maintenance and inspections are routinely reviewed by LBT analysts to quantify the maintenance and condition of the facility and facility equipment.

7. Transit Asset Management (TAM) and State of Good Repair Policy (SGR)

7.1. Vision

In alignment with LBT's vision statement:

A leading provider of transportation options delivering innovative and high-performing services within a multi-modal network that transforms the social, environmental and economic well-being of the diverse communities we serve.

LBT is committed to keeping its assets in a state of good repair during their life-cycle, which allows LBT to fulfill its mission of: Dedicated to connecting communities and moving people…making everyday life better.

SGR is the condition in which a capital asset is able to operate at a full level of performance. This means the asset:

1. Is able to perform its designed function
2. Does not pose a known unacceptable safety risk
3. Lifecycle investments have been met or recovered

7.2. Accountable Executive

The President and CEO, or assigned designee, is the accountable executive and responsible for the self- certification process.

7.3. Documented Commitment to Achieving SGR

7.3.1. Defined TAM Objectives

LBT's accountable executive is committed to maintaining a state of good repair to fulfill the function of the assets throughout its lifecycle.

7.3.2. Roles and Responsibilities

1. Executive Director/VP, Maintenance and Infrastructure
   a. Maintain a state of good repair for LBT facilities, revenue buses and over-the-roadcoach, service vehicles, paratransit vehicles and equipment
   b. Conduct condition assessment on LBT facilities
   c. Identify and recommend investment prioritization for replacement of assets
2. Executive Director/VP, Transportation Service Delivery and Planning
   a. Maintain a state of good repair for LBT ferries
3. Executive Director/VP, Finance and Budget
   a. Maintain capital asset inventory
   b. Grants Funding
   c. NTD Reporting

8. Implementation Strategy

Long Beach Transit uses Ellipse, its Enterprise Asset Management (EAM) system, to manage its inventory of core assets, prioritize planned and unplanned maintenance and monitor asset performance.

8.1. Asset Management Policy

Long Beach Transit is committed to effectively managing its capital assets and maintaining its system in a State of Good Repair to support safe, efficient, and reliable service. Our policy is to promote a culture that supports asset management at all levels of the organization, to employ effective asset management business practices and tools, to ensure optimal asset performance and useful life, and to use timely, quality data to support transparent and cost-effective decision making for resource allocation and asset preservation.

Through the use of a comprehensive transit asset management (TAM) system, Long Beach Transit intends to improve system safety and reliability, reduce costs, make better investment decisions, and provide improved service to its customers.

8.2. Goals and Objectives

Goals	Objectives
Provide infrastructure and tools to support data-driven decision-making for asset management	Improve staff and leadership asset management skills and knowledge
	Increase quality of data contained in existing asset management software program
Establish asset management culture and support through talent management practices	Attract and retain a high quality workforce
	Identify critical skill gaps that should be addressed with training or other workforce development tactics
Improve system reliability and performance	Reduce number of vehicles out for service formore than 21 days
	Avoid of missed runs due to major breakdown
Continue to provide safe, cost-effective, and reliable public transportation	Establish a more comprehensive parts management and inventory system
	Evaluate strategic and systematic practices of procuring, operating, inspecting, maintaining,rehabilitating, and replacing transit capital assetsto manage their performance, risks, and costs over their life cycles

8.3. Target Setting Methodology

The methods used in setting annual targets for FTA performance measures are consistent with the agency's existing Fleet Management and Facilities Management Plans. Methods for determining assets' useful lives were developed by staff after extensive analysis of service life requirements for each asset category.

8.4. Implementation and Continuous Improvement

To achieve the goals set, LBT continues to implement its TAM program through adherence to FTA reporting requirements, further development and refinement of its overall TAM program, and efforts within LBT to encourage employees and stakeholders to fully embrace TAM as a practice for maintaining assets in a State of Good Repair over the lifecycle of those assets.

Implementation and improvement activities include:

- TAM related updates provided to the LBT Executive Leadership Team
- LBT Board action items for funding of SGR projects
- LBT Board action items for consulting services related to LBT's TAM program
- Use and further development of LBT Asset Management internet – based tools
- Activities stemming from LBT's equipment (rolling stock) and Facilities Life Cycle Maintenance programs
- Monthly safely inspections
- TAM condition assessments and any refinement to condition assessment methodologies
- Annual setting and review of adherence to performance targets
- Annual NTD reporting
- CIP updates
- Grant and funding program applications related to SGR projects
- TAM Plan updates

As required by the FCA, a full comprehensive update of the TAM Plan is conducted every four years before the conclusion of the existing plan's horizon period. The TAM Plan is reviewed and revised as necessary to incorporate any major improvement or changes within the four year horizon period. Revisions of the TAM Plan ensures that the TAM Plan meets both LBT's needs and federal requirements.

9. Key Annual Activities

9.1. Itemization of Annual Order

This will be the guide for LBT to plan activity and budget:

1. Fiscal Year 2022
   a. Finalize TAM Plan
   b. Review Performance Targets
   c. NTD Submission and Narrative
      i. Due on the last day of the 4th month after end of Fiscal Year
   d. Quarterly Capital Status Meeting
   e. Annual Capital Call
   f. Budget Adoption
   g. Evaluate TAM Plan and identify areas for continuous improvement
2. Fiscal Year 2023
   a. Review Performance Targets
   b. NTD Submission and Narrative
   c. Quarterly Capital Status Meeting
   d. Annual Capital Call
   e. Budget Adoption
   f. Evaluate TAM Plan and identify areas for continuous improvement
3. Fiscal Year 2024
   a. Review Performance Targets
   b. NTD Submission and Narrative
   c. Quarterly Capital Status Meeting
   d. Annual Capital Call
   e. Budget Adoption
   f. Evaluate TAM Plan and identify areas for continuous improvement
4. Fiscal Year 2025
   a. Review Performance Targets
   b. NTD Submission and Narrative
   c. Quarterly Capital Status Meeting
   d. Annual Capital Call
   e. Budget Adoption
   f. Evaluate TAM Plan and identify areas for continuous improvement

10. Identification of Resources

10.1. Overview

In an effort to implement, maintain and sustain the LBT's TAM plan, the staffing requirements and Full- Time Equivalents (FTE) are listed below. The M&I department contains the bulk of resources requiring almost 115 FTEs. The TSDP and Finance departments, although requiring less resources, are vital to LBT's TAM plan and require slightly over 2 FTEs.

10.2. Staff Needs

Department	Role	Annual Hours	FTE Equiv.
Maintenance and Infrastructure	Mechanic	124,800	60.00
	Utility	70,720	34.00
	Facility	8,320	4.00
	Supervisor	39,520	19.00
	Administrators	9,984	4.80
Maintenance and Infrastructure Sub-Total		**238,784**	**114.80**
Transit Service Deliveryand Planning	Analyst	240	0.12
	Paratransit Administrator	200	0.10
	Scheduler	40	0.02
Transit Service Delivery Sub-Total		**480**	**0.23**
Finance and Budget	Grants	2,496	1.20
	Accounting and Finance	1,560	0.75
Finance Sub-Total		**4,056**	**1.95**
		243,320	116.98

10.3. Evaluation Plan

The M&I and TSDP departments monitor and evaluate the effectiveness of the TAM plan. After careful consideration of resources and identification of deficiencies, the M&I and TSDP departments determine the proper course for any modifications needed to comply with the TAM plan. In addition, other continuous improvement plans are reviewed and evaluated.

11. Performance Targets

11.1. Overview

LBT sets targets annually for each asset class. The targets are supported by the most recent data and provide reasonable financial projections. The targets are also reported to the NTD annually within four months from the end of LBT's fiscal year. In the event, LBT's performance targets decrease, LBT provides a narrative for the decline. LBT uses the useful life defined in its Annual Comprehensive Financial Report (ACFR) for the ULB for all assets.

LBT's ULB for each asset type are listed in 11.2, 11.3 and 11.4.

11.2. Rolling Stock Useful Life Benchmark

Revenue Asset	ULB (Age in Years)
Articulated Bus	12
Bus	12
Over-the-Road Coach	12
Paratransit Vehicles	3
Ferries	12

11.3. Equipment Useful Life Benchmark

Equipment Asset	ULB (Age in Years)
Automobile	3
Trucks and Other Rubber Tire Vehicles	4

11.4. Facilities Term Scale Targets

Facility Asset	TERM Scale
Facilities	Greater than 2

11.5. Infrastructure

LBT does not own any rail fixed guideways and therefore not required to set performance targets for infrastructure.

12. Appendices

Appendix A: Revenue Vehicle Inventory (Rolling
Appendix B: Stock) Non-Revenue Vehicle Inventory
Appendix C: Fixed Asset Inventory
Appendix D: Building Term Ratings

Appendix A:
Revenue Vehicle Inventory (Rolling Stock)

LONG BEACH TRANSIT

Revenue Vehicle Inventory (Rolling Stock)

Plant Number	Date of purchase	LBT Adjusted ULB	Age	Score	Equipment Location Desc	Equipment Description	Revenue Type	Equip Code	Equipment Status Desc	License	VIN	Model	Fuel Type Desc	Department	Equipment Class Desc	Last Stat Date	Purchase order number	Purchase Price
2000	11/30/1999	12	23	1	LBT1	56 PASS PREVOST 45'X102"	Fixed Route	BR	ACTIVE	E1022315	2PCH33499Y1013463	CHARTER	DIESEL FUEL	OPERATIONS	Bus Diesel	04/10/2022	970914	$255,037.
2205	09/06/2002	12	20	1	LBT1	2205 NEW FLYER SR850 39 PSGR	Fixed Route	BU	ACTIVE	E1141001	5FYD2LP0X2U024174	D40LF_-_SR850	DIESEL FUEL	OPERATIONS	Bus Diesel	02/28/2020		$0.
2201	10/02/2002	12	20	1	LBT1	CONT. 2201 NEW FLYER SR850 39 PSGR	Fixed Route	BU	ACTIVE	E1121173	5FYD2LP022U024170	D40LF - SR850	DIESEL FUEL	MAINTENANCE	Bus Diesel	09/23/2020	204257	$294,400.
2216	10/04/2002	12	20	1	LBT2	CONT. 2216 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E1132861	5FYD2LP042U024185	D40LF-SR850	DIESEL FUEL	MAINTENANCE	Bus Diesel	09/23/2020		$0.
2218	10/08/2002	12	20	1	LBT2	2218 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E1132495	5FYD2LP082U024187	D40LF_-_SR850	DIESEL FUEL	OPERATIONS	Bus Diesel	11/10/2020		$0.
2219	10/08/2002	12	20	1	LBT1	2219 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E1132822	5FYD2LP0X2U024188	D40LF - SR850	DIESEL FUEL	OPERATIONS	Bus Diesel	05/12/2021		$0.
2220	10/09/2002	12	20	1	LBT2	2220 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E1132864	5FYD2LP012U024189	D40LF - SR850	DIESEL FUEL	OPERATIONS	Bus Diesel	11/03/2020		$0.
2223	10/11/2002	12	20	1	LBT1	2223 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E1132494	5FYD2LP012U024192	D40LF_-_SR850	DIESEL FUEL	OPERATIONS	Bus Diesel	09/23/2020		$0.
2224	10/14/2002	12	20	1	LBT2	CONT. 2224 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E1132493	5FYD2LP032U024193	D40LF - SR580	DIESEL FUEL	MAINTENANCE	Bus Diesel	11/03/2020		$0.
2226	10/20/2002	12	20	1	LBT2	CONT. 2226 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E 1132491	5FYD2LP072U024195	D40LF- SR850	DIESEL FUEL	MAINTENANCE	Bus Diesel	09/23/2020		$0.
2227	10/22/2002	12	20	1	LBT1	CONT. 2227 NEW FLYER SR850 39 PSNGR	Fixed Route	BU	ACTIVE	E1132490	5FYD2LP092U024196	D40LF - SR580	DIESEL FUEL	MAINTENANCE	Bus Diesel	09/27/2020		$0.
2234	01/06/2003	12	19	1	LBT2	CONT. 2234 NEW FLYER SR856 39 PSNGR	Fixed Route	BU	ACTIVE	E 1128724	5FYD2LPO82U024254	D40LF - SR856	DIESEL FUEL	MAINTENANCE	Bus Diesel	11/03/2020		$0.
2236	01/08/2003	12	19	1	LBT1	2236 NEW FLYER SR856 39 PSNGR	Fixed Route	BU	ACTIVE	E1128726	5FYD2LPO12UO24256	D40LF - SR856	DIESEL FUEL	OPERATIONS	Bus Diesel	09/21/2020		$0.
2239	01/20/2003	12	19	1	LBT2	2239 NEW FLYER SR856 39 PSNGR	Fixed Route	BU	ACTIVE	E 2228729	5FYD2LPO72U024259	D40LF - SR856	DIESEL FUEL	OPERATIONS	Bus Diesel	09/21/2020		$0.
2404	05/09/2005	12	17	1	LBT1	2404 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186266	5FYU4FY075C028011	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2407	05/09/2005	12	17	1	LBT1	2407 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1172732	5FYU4FY025C028014	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2409	05/09/2005	12	17	1	LBT1	CONT. 2409 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1172734	5FYU4FY065C028016	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2406	05/12/2005	12	17	1	LBT1	CONT. 2406 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1172731	5FYU4FY075C028013	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2408	05/12/2005	12	17	1	LBT1	2408 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1172733	5FYU4FY075C028015	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2412	05/12/2005	12	17	1	LBT1	2412 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186271	5FYU4FY015C028019	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2411	06/03/2005	12	17	1	LBT1	2411 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186270	5FYU4FY0X5C028018	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2403	06/07/2005	12	17	1	LBT1	2403 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186264	5FYU4FY055C028010	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2410	06/07/2005	12	17	1	LBT1	2410 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186269	5FYU4FY085C028017	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2414	06/07/2005	12	17	1	LBT1	CONT. 2414 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186277	5FYU4FY0X5C028021	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2415	06/08/2005	12	17	1	LBT1	2415 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186272	5FYU4FU015C028022	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2419	06/09/2005	12	17	1	LBT1	CONT. 2419 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186279	5FYU4FY095C028026	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2425	06/09/2005	12	17	1	LBT1	CONT. 2425 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186314	5FYU4FY045C028032	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/03/2022	L05232	$0.
2423	06/15/2005	12	17	1	LBT1	CONT. 2423 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186300	5FYU4FY005C028030	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2416	06/16/2005	12	17	1	LBT1	CONT. 2416 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186273	5FYU4FY035C028023	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2418	06/16/2005	12	17	1	LBT1	CONT. 2418 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186276	5FYU4FY075C028025	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/05/2022	L05232	$0.
2421	06/20/2005	12	17	1	LBT1	2421 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186293	5FYU4FY025C028028	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2424	06/20/2005	12	17	1	LBT1	2424 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186301	5FYU4FY025C028031	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	05/11/2022	L05232	$0.
2417	06/21/2005	12	17	1	LBT1	2417 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186313	5FYU4FY055C028024	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2426	06/21/2005	12	17	1	LBT1	CONT. 2426 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186315	5FYU4FY065C028033	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2420	06/23/2005	12	17	1	LBT1	2420 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186292	5FYU4FY005C028027	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2422	06/23/2005	12	17	1	LBT1	CONT. 2422 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186299	5FYU4FY045C028029	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2402	07/04/2005	12	17	1	LBT1	2402 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186265	5FYU4FY095C028009	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L05232	$0.
2413	07/08/2005	12	17	1	LBT1	2413 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186278	5FYU4FY085C028020	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2427	07/12/2005	12	17	1	LBT1	CONT. 2427 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186319	5FYU4FY085C028034	GE40LF SR924	UNLEADED	MAINTENANCE	Bus Hybrid	06/06/2022	L05232	$0.
2502	07/21/2005	12	17	1	LBT1	2502 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1188996	5FYU4FY0X5C028326	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	12/10/2021	L16638	$0.
2503	07/21/2005	12	17	1	LBT1	2503 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1188997	5FYU4FY015C028327	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2504	07/22/2005	12	17	1	LBT1	2504 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1188998	5FYU4FY035C028328	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2505	07/22/2005	12	17	1	LBT1	2505 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1188999	5FYU4FY055C028329	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2506	07/22/2005	12	17	1	LBT1	2506 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1189000	5FYU4FY015C028330	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2507	07/25/2005	12	17	1	LBT1	2507 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1189001	5FYU4FY035C028331	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2508	07/25/2005	12	17	1	LBT1	2508 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1189002	5FYU4FY055C028332	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/05/2022		$0.
2509	07/25/2005	12	17	1	LBT1	2509 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	1484086	5FYU4FY075C028333	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2510	07/27/2005	12	17	1	LBT1	2510 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186332	5FYU4FY095C028334	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2511	07/28/2005	12	17	1	LBT1	2511 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1189004	5FYU4FY005C028335	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2512	07/28/2005	12	17	1	LBT1	2512 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186333	5FYU4FY025C028336	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2513	07/28/2005	12	17	1	LBT1	2513 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1189005	5FYU4FY045C028337	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2515	07/30/2005	12	17	1	LBT1	2515 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186335	5FYU4FY085C028339	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2514	08/01/2005	12	17	1	LBT1	2514 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186334	5FYU4FY065C028338	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L16638	$0.

LONG BEACH TRANSIT

Revenue Vehicle Inventory (Rolling Stock)

Plant Number	Date of purchase	LBT Adjusted ULB	Age	Score	Equipment Location Desc	Equipment Description	Revenue Type	Equip Code	Equipment Status Desc	License	VIN	Model	Fuel Type Desc	Department	Equipment Class Desc	Last Stat Date	Purchase order number	Purchase Price
2516	08/02/2005	12	17	1	LBT1	2516 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186338	5FYU4FY045C028340	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2517	08/06/2005	12	17	1	LBT1	2517 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186339	5FYU4FY065C028341	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2518	08/06/2005	12	17	1	LBT1	2518 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186340	5FYU4FY085C028342	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	05/26/2022		$0.
2519	08/10/2005	12	17	1	LBT1	2519 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186341	5FYU4FY0X5C028343	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2520	08/10/2005	12	17	1	LBT1	2520 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1186342	5FYU4FY015C028344	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2501	10/11/2005	12	17	1	LBT1	2501 NEW FLYER SR924 39 PNGR	Fixed Route	BU	ACTIVE	E1188995	5FYU4FY085C028325	GE40LF SR924	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L16638	$0.
2701	07/25/2006	12	16	1	LBT1	2701 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198974	5FYU4FY057C032142	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/05/2022	L22156	$533,605.
2702	07/25/2006	12	16	1	LBT1	2702 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198957	5FYU4FY077C032143	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2703	07/25/2006	12	16	1	LBT1	2703 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198970	5FYU4FY097C032144	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2704	07/25/2006	12	16	1	LBT1	2704 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198975	5FYU4FY007C032145	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2705	07/25/2006	12	16	1	LBT1	2705 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198968	5FYU4FY027C032146	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L22156	$533,605.
2706	07/25/2006	12	16	1	LBT1	2706 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198985	5FYU4FY047C032147	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2707	07/25/2006	12	16	1	LBT1	2707 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198958	5FYU4FY067C032148	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2708	07/25/2006	12	16	1	LBT1	2708 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198967	5FYU4FY087C032149	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L22156	$533,605.
2709	07/25/2006	12	16	1	LBT1	2709 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198969	5FYU4FY047C032150	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/05/2022		$533,605.
2710	07/25/2006	12	16	1	LBT1	2710 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198976	5FYU4FY067C032151	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L22156	$533,605.
2711	07/25/2006	12	16	1	LBT1	2711 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198977	5FYU4FY087C032152	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2712	07/25/2006	12	16	1	LBT1	2712 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198959	5FYU4FY0X7C032153	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2713	07/25/2006	12	16	1	LBT1	2713 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198972	5FYU4FY017C032154	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$533,605.
2714	07/25/2006	12	16	1	LBT1	2714 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198973	5FYU4FY037C032155	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L22156	$533,605.
2715	07/25/2006	12	16	1	LBT1	2715 NEW FLYER SR1159 38 PNGR	Fixed Route	BU	ACTIVE	1198984	5FYU4FY057C032156	GE40LF SR115	UNLEADED	OPERATIONS	Bus Hybrid	05/08/2022		$533,605.
2901	11/05/2007	12	15	1	LBT1	2901 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1385119	5FYU7FY168C034709	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	05/07/2022	L34176	$552,058.
2902	11/05/2007	12	15	1	LBT1	2902 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306072	5FYU7FY128C034710	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2903	11/05/2007	12	15	1	LBT1	2903 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306093	5FYU7FY148C034711	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/04/2022		$552,058.
2904	11/05/2007	12	15	1	LBT1	2904 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306070	5FYU7FY168C034712	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$552,058.
2905	11/05/2007	12	15	1	LBT1	2905 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306079	5FYU7FY188C034713	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2906	11/05/2007	12	15	1	LBT1	2906 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306098	5FYU7FY1X8C034714	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2907	11/05/2007	12	15	1	LBT1	2907 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306073	5FYU7FY118C034715	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/05/2022	L34176	$552,058.
2908	11/05/2007	12	15	1	LBT1	2908 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306081	5FYU7FY138C034716	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2909	11/05/2007	12	15	1	LBT1	2909 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306097	5FYU7FY158C034717	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2910	11/05/2007	12	15	1	LBT1	2910 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306088	5FYU7FY178C034718	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2911	11/05/2007	12	15	1	LBT1	2911 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306096	5FYU7FY198C034719	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2912	11/05/2007	12	15	1	LBT1	2912 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306095	5FYU7FY158C034720	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	04/15/2022	L34176	$552,058.
2913	11/05/2007	12	15	1	LBT1	2913 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306086	5FYU7FY178C034721	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2914	11/05/2007	12	15	1	LBT1	2914 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306071	5FYU7FY198C034722	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2915	11/05/2007	12	15	1	LBT1	2915 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306083	5FYU7FY108C034723	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2916	11/05/2007	12	15	1	LBT1	2916 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306074	5FYU7FY128C034724	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2917	11/05/2007	12	15	1	LBT1	2917 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306075	5FYU7FY148C034725	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	05/04/2022	L34176	$552,058.
2918	11/05/2007	12	15	1	LBT1	2918 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306077	5FYU7FY168C034726	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2919	11/05/2007	12	15	1	LBT1	2919 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306087	5FYU7FY188C034727	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/03/2022	L34176	$552,058.
2920	11/05/2007	12	15	1	LBT1	2920 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306082	5FYU7FY1X8C034728	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$552,058.
2921	11/05/2007	12	15	1	LBT1	2921 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306076	5FYU7FY118C034729	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	05/06/2022		$552,058.
2922	11/05/2007	12	15	1	LBT1	2922 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306084	5FYU7FY188C034730	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2923	11/05/2007	12	15	1	LBT1	2923 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306080	5FYU7FY1X8C034731	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022	L34176	$552,058.
2924	11/05/2007	12	15	1	LBT1	2924 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306085	5FYU7FY118C034732	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$552,058.
2925	11/05/2007	12	15	1	LBT1	2925 NEW FLYER SR1246 38 PNGR	Fixed Route	BU	ACTIVE	1306094	5FYU7FY138C034733	GE40LFA SR12	UNLEADED	OPERATIONS	Bus Hybrid	09/29/2021		$552,058.
2521	09/09/2011	12	11	2	LBT1	2521 NEW FLYER SR1010 39 PNGR	Fixed Route	BU	ACTIVE	1188977	5FYU4FY095C028155	GE40LF SR101	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
2522	09/09/2011	12	11	2	LBT1	2522 NEW FLYER SR1010 39 PNGR	Fixed Route	BU	ACTIVE	1188976	5FYU4FY095C028156	GE40LF SR101	UNLEADED	OPERATIONS	Bus Hybrid	06/06/2022		$0.
1201	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157087	15GGD271XB1180901	G27B102N4	CNG	OPERATIONS	Bus CNG	06/04/2022	L50162	$495,173.
1207	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241905	15GGD2719C1180907	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1208	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241904	15GGD2710C1180908	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1209	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241903	15GGD2712C1180909	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1210	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241906	15GGD2719C1180910	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.

LONG BEACH TRANSIT

Revenue Vehicle Inventory (Rolling Stock)

Plant Number	Date of purchase	LBT Adjusted ULB	Age	Score	Equipment Location Desc	Equipment Description	Revenue Type	Equip Code	Equipment Status Desc	License	VIN	Model	Fuel Type Desc	Department	Equipment Class Desc	Last Stat Date	Purchase order number	Purchase Price
1211	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241907	15GGD2710C1180911	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1212	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241908	15GGD2712C1180912	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1213	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241909	15GGD2714C1180913	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1214	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241910	15GGD2716C1180914	G27B102N4	CNG	OPERATIONS	Bus CNG	06/05/2022	L50162	$496,694.
1215	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241911	15GGD2718C1180915	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1216	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241912	15GGD271XC1180916	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1217	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241913	15GGD2711C1180917	G27B102N4	CNG	OPERATIONS	Bus CNG	05/27/2022	L50162	$496,694.
1218	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241914	15GGD2713C1180918	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1219	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241920	15GGD2715C1180919	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1220	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241921	15GGD2711C1180920	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1221	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241917	15GGD2713C1180921	G27B102N4	CNG	OPERATIONS	Bus CNG	03/09/2022	L50162	$496,694.
1222	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1385118	15GGD2715C1180922	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1223	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241919	15GGD2717C1180923	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1224	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241922	15GGD2719C1180924	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1225	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241923	15GGD2710C1180925	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1226	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241924	15GGD2712C1180926	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1227	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241925	15GGD2714C1180927	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1228	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241926	15GGD2716C1180928	G27B102N4	CNG	OPERATIONS	Bus CNG	06/05/2022	L50162	$496,694.
1229	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241931	15GGD2718C1180929	G27B102N4	CNG	OPERATIONS	Bus CNG	06/02/2022	L50162	$496,694.
1230	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241927	15GGD2714C1180930	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1231	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241928	15GGD2716C1180931	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1232	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241929	15GGD2718C1180932	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1233	11/05/2011	12	11	2	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241930	15GGD271XC1180933	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$496,694.
1202	04/18/2012	12	10	3	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157080	15GGD271XC1180902	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$495,173.
1204	04/23/2012	12	10	3	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157081	15GGD2713C1180904	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$495,173.
1205	04/23/2012	12	10	3	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157090	15GGD2715C1180905	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$495,173.
1206	05/01/2012	12	10	3	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157091	15GGD2717C1180906	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L50162	$495,173.
1203	05/17/2012	12	10	3	LBT2	1200 GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157079	15GGD2711C1180903	G27B102N4	CNG	OPERATIONS	Bus CNG	05/23/2022	L50162	$495,173.
1301	11/05/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157093	15GGD2711C1180934	G27B102N4	CNG	OPERATIONS	Bus CNG	07/18/2020	L50638	$496,082.
1302	11/06/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157094	15GGD2713C1180935	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1303	11/07/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157095	15GGD2715C1180936	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1304	11/08/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157096	15GGD2717C1180937	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1305	11/09/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157097	15GGD2719C1180938	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1306	11/09/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157098	15GGD2710C1180939	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1307	11/10/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157099	15GGD2717C1180940	G27B102N4	CNG	OPERATIONS	Bus CNG	06/05/2022		$0.
1308	11/11/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157348	15GGD2719C1180941	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1309	11/12/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1157349	15GGD2710C1180942	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1310	11/13/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1385100	15GGD2712C1180943	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1311	11/13/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1385101	15GGD2714C1180944	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1312	11/14/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1385102	15GGD2716C1180945	G27B102N4	CNG	OPERATIONS	Bus CNG	06/03/2022		$0.
1313	11/15/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1385103	15GGD2718C1180946	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1314	11/16/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241936	15GGD271XC1180947	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1315	11/17/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241937	15GGD2711C1180948	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1316	11/17/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241938	15GGD2713C1180949	G27B102N4	CNG	OPERATIONS	Bus CNG	06/02/2022		$0.
1317	11/18/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241939	15GGD271XC1180950	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1318	11/19/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241940	15GGD2711C1180951	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1319	11/20/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241941	15GGD2713C1180952	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1320	11/21/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241942	15GGD2715C1180953	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1321	11/22/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241943	15GGD2717C1180954	G27B102N4	CNG	OPERATIONS	Bus CNG	06/03/2022		$0.
1322	11/23/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241944	15GGD2719C1180955	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1323	11/24/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241945	15GGD2710C1180956	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1324	11/25/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241949	15GGD2712C1180957	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1325	11/26/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241950	15GGD2714C1180958	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.

LONG BEACH TRANSIT

Revenue Vehicle Inventory (Rolling Stock)

Plant Number	Date of purchase	LBT Adjusted ULB	Age	Score	Equipment Location Desc	Equipment Description	Revenue Type	Equip Code	Equipment Status Desc	License	VIN	Model	Fuel Type Desc	Department	Equipment Class Desc	Last Stat Date	Purchase order number	Purchase Price
1326	11/27/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241947	15GGD2716C1180959	G27B102N4	CNG	OPERATIONS	Bus CNG	06/05/2022		$0.
1327	11/28/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241946	15GGD2712C1180960	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1328	11/29/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241951	15GGD2714C1180961	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1329	11/30/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241948	15GGD2716C1180962	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1330	12/01/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241952	15GGD2718C1180963	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1331	12/02/2012	12	10	3	LBT2	1300S GILLIG CNG G27B102N4	Fixed Route	BU	ACTIVE	1241953	15GGD271XC1180964	G27B102N4	CNG	OPERATIONS	Bus CNG	06/06/2022		$0.
1521	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1455257	15GGD2719F1186033	G27D102N4	CNG	OPERATIONS	Bus CNG	05/11/2022	L66654	$546,314.
1522	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1455258	15GGD2710F1186034	G27D102N4	CNG	OPERATIONS	Bus CNG	02/28/2022	L66654	$546,314.
1523	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1455259	15GGD2712F1186035	G27D102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L66654	$546,314.
1524	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1455256	15GGD2714F1186036	G27D102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L66654	$546,314.
1525	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1455260	15GGD2716F1186037	G27D102N4	CNG	OPERATIONS	Bus CNG	04/18/2022	L66654	$546,314.
1526	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1456844	15GGD2718F1186038	G27D102N4	CNG	OPERATIONS	Bus CNG	05/23/2022	L66654	$546,314.
1527	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1455261	15GGD271XF1186039	G27D102N4	CNG	OPERATIONS	Bus CNG	06/06/2022	L66654	$546,314.
1528	02/17/2015	12	7	5	LBT2	1500S GILLIG CNG G27D102N4	Fixed Route	BU	ACTIVE	1412727	15GGD2716F1186040	G27D102N4	CNG	OPERATIONS	Bus CNG	04/27/2022	L66654	$546,314.
1501	03/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1412728	5FYC8YC1XEB046178	SR1872	CNG	OPERATIONS	Bus CNG	06/06/2022	L68396	$870,817.
1505	03/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468840	5FYC8YC11EB046182	SR1872	CNG	OPERATIONS	Bus CNG	06/06/2022	L68396	$870,817.
1602	05/13/2015	12	7	5	LBT1	1602 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1400452	4B9KSLA24G2038002	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/06/2022	L69667	$1,059,591.
1603	05/13/2015	12	7	5	LBT1	1603 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1400451	4B9KSLA26G2038003	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/06/2022	L69667	$1,059,591.
1606	05/13/2015	12	7	5	LBT1	1606 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1385127	4B9KSLA21G2038006	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/04/2022	L69667	$1,059,591.
1502	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468839	5FYC8YC11EB046179	SR1872	CNG	OPERATIONS	Bus CNG	06/02/2022	L68396	$870,817.
1503	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468841	5FYC8YC18EB046180	SR1872	CNG	OPERATIONS	Bus CNG	06/06/2022	L68396	$870,817.
1504	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468842	5FYC8YC1XEB046181	SR1872	CNG	OPERATIONS	Bus CNG	06/05/2022	L69396	$870,817.
1506	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468843	5FYC8YC13EB046183	SR1872	CNG	OPERATIONS	Bus CNG	05/31/2022	L68396	$870,817.
1507	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468844	5FYC8YC15EB046184	SR1872	CNG	OPERATIONS	Bus CNG	06/06/2022	L68396	$870,817.
1508	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468845	5FYC8YC17EB046185	SR1872	CNG	OPERATIONS	Bus CNG	06/05/2022	L68396	$870,817.
1509	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468801	5FYC8YC19EB046186	SR1872	CNG	OPERATIONS	Bus CNG	06/06/2022	L68396	$870,817.
1510	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468802	5FYC8YC10EB046187	SR1872	CNG	OPERATIONS	Bus CNG	06/06/2022	L68396	$870,817.
1511	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468805	5FYC8YC12EB046188	SR1872	CNG	OPERATIONS	Bus CNG	06/06/2022	L68396	$870,817.
1512	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468807	5FYC8YC14EB046189	SR1872	CNG	OPERATIONS	Bus CNG	06/01/2022	L68396	$870,817.
1513	07/03/2015	12	7	5	LBT2	1500SA NEW FLYER ARTICULATED CNG SR1872	Fixed Route	AB	ACTIVE	1468806	5FYC8YC10EB046190	SR1872	CNG	OPERATIONS	Bus CNG	06/01/2022	L68396	$870,817.
1601	06/01/2016	12	6	5	LBT1	1601 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1241983	4B9KSLA22G2038001	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/05/2022	L69667	$1,059,591.
1605	05/01/2017	12	5	6	LBT1	1605 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1241991	4B9KSLA2XG2038005	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	05/06/2022	L69667	$1,059,591.
1607	05/01/2017	12	5	6	LBT1	1607 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1241996	4B9KSLA23G2038007	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/06/2022	L69667	$1,059,591.
1609	05/01/2017	12	5	6	LBT1	1609 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1241994	4B9KSLA27G2038009	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/06/2022	L69667	$1,059,591.
1604	06/01/2017	12	5	6	LBT1	1604 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1241992	4B9KSLA28G2038004	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/06/2022	L69667	$1,059,591.
1608	06/01/2017	12	5	6	LBT1	1608 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1241993	4B9KSLA25G2038008	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/06/2022	L69667	$1,059,591.
1610	07/31/2017	12	5	6	LBT1	1610 BYD Battery Electric Bus 34 PNGR	Fixed Route	BU	ACTIVE	1385121	4B9KSLA23G2038010	K9M-LBT	ELECTRIC	OPERATIONS	Bus Electric	06/06/2022	L69667	$1,059,591.
1801	10/24/2017	12	5	6	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1400453	5FYC8FB14HB051824	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$534,373.
1802	03/22/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535391	5FYC8FB16HB051825	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$534,373.
1804	03/22/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535490	5FYC8FB1XHB051827	SR2040	CNG	OPERATIONS	Bus CNG	06/05/2022	L73396	$534,373.
1803	04/12/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535392	5FYC8FB18HB051826	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$534,373.
1806	04/12/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535409	5FYC8FB13HB051829	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,297.
1808	04/12/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535411	5FYC8FB11HB051831	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,297.
1809	04/12/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535416	5FYC8FB13HB051832	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,297.
1810	04/12/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535417	5FYC8FB15HB051833	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,297.
1811	04/18/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535418	5FYC8FB17HB051834	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,297.
1807	04/19/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535841	5FYC8FB1XHB051830	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,297.
1824	04/20/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535607	5FYC8FB15HB051847	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1825	04/20/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535608	5FYC8FB17HB051848	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1813	05/03/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535610	5FYC8FB10HB051836	SR2040	CNG	OPERATIONS	Bus CNG	06/05/2022	L81737	$562,487.
1817	05/03/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535611	5FYC8FB12HB051840	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1818	05/03/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535641	5FYC8FB14HB051841	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1823	05/03/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535606	5FYC8FB13HB051846	SR2040	CNG	OPERATIONS	Bus CNG	06/05/2022	L81737	$562,487.

LONG BEACH TRANSIT

Revenue Vehicle Inventory (Rolling Stock)

Plant Number	Date of purchase	LBT Adjusted ULB	Age	Score	Equipment Location Desc	Equipment Description	Revenue Type	Equip Code	Equipment Status Desc	License	VIN	Model	Fuel Type Desc	Department	Equipment Class Desc	Last Stat Date	Purchase order number	Purchase Price
1826	05/03/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535609	5FYC8FB19HB051849	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1829	05/03/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535613	5FYC8FB19HB051852	SR2040	CNG	OPERATIONS	Bus CNG	06/03/2022	L81737	$562,487.
1828	05/04/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535612	5FYC8FB17HB051851	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1812	05/10/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535539	5FYC8FB19HB051835	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,487.
1816	05/10/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535641	5FYC8FB16HB051839	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,487.
1830	05/10/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535575	5FYC8FB10HB051853	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,487.
1831	05/10/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535576	5FYC8FB12HB051854	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,487.
1838	05/10/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535705	5FYC8FB1XHB051861	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,487.
1815	05/11/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535639	5FYC8FB14HB051838	SR2040	CNG	OPERATIONS	Bus CNG	06/05/2022	L81737	$562,297.
1837	05/18/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535581	5FYC8FB18HB051860	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L73396	$562,487.
1814	05/25/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535702	5FYC8FB12HB051837	SR2040	CNG	OPERATIONS	Bus CNG	05/24/2022	L81737	$562,487.
1821	05/25/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535636	5FYC8FB1XHB051844	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1822	05/25/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535753	5FYC8FB11HB051845	SR2040	CNG	OPERATIONS	Bus CNG	06/03/2022	L81737	$562,487.
1827	05/25/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535703	5FYC8FB15HB051850	SR2040	CNG	OPERATIONS	Bus CNG	06/04/2022	L81737	$562,487.
1832	05/25/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535577	5FYC8FB14HB051855	SR2040	CNG	OPERATIONS	Bus CNG	06/01/2022	L81737	$562,487.
1833	06/01/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535578	5FYC8FB16HB051856	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1839	06/01/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535706	5FYC8FB11HB051862	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,487.
1835	06/02/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535704	5FYC8FB1XHB051858	SR2040	CNG	OPERATIONS	Bus CNG	07/19/2020	L81737	$562,487.
1819	06/07/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1435594	5FYC8FB16HB051842	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,297.
1820	06/07/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535580	5FYC8FB18HB051843	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,297.
1840	06/07/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535638	5FYC8FB13HB051863	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$567,297.
1805	06/14/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535635	5FYC8FB11HB051828	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,297.
1834	06/14/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	1535637	5FYC8FB18HB051857	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,297.
1836	06/21/2018	12	4	7	LBT2	1800S NEW FLYER SR2040	Fixed Route	BU	ACTIVE	7025486	5FYC8FB11HB051859	SR2040	CNG	OPERATIONS	Bus CNG	06/06/2022	L81737	$562,297.
16011	08/31/2020	12	2	9	LBT1	16011 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481769	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16012	08/31/2020	12	2	9	LBT1	16012 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481784	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16013	08/31/2020	12	2	9	LBT1	16013 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481785	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16014	08/31/2020	12	2	9	LBT1	16014 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481786	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16015	08/31/2020	12	2	9	LBT1	16015 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481790	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/02/2022	L91178	$938,906.
16016	08/31/2020	12	2	9	LBT1	16016 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481791	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16017	08/31/2020	12	2	9	LBT1	16017 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481792	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16018	08/31/2020	12	2	9	LBT1	16018 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481793	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16019	08/31/2020	12	2	9	LBT1	16019 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481794	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16020	08/31/2020	12	2	9	LBT1	16020 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481795	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16021	08/31/2020	12	2	9	LBT1	16021 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481796	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16022	08/31/2020	12	2	9	LBT1	16022 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481797	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16023	08/31/2020	12	2	9	LBT1	16023 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481798	On file	K9M	BATTERY	OPERATIONS	Bus Electric	06/06/2022	L91178	$938,906.
16024	08/31/2020	12	2	9	LBT1	16024 BYD K9M 40' 34 SEAT BEB	Fixed Route	BU	ACTIVE	1481799	On file	K9M	BATTERY	OPERATIONS	Bus Electric	05/31/2022	L91178	$938,906.
10	05/01/2014	3	8	1	LONG BEACH	0010 (D137) 2014 BRAUN ENTERVAN	Demand Response	MV	ACTIVE	1437430	2C7WDGBG0ER220322	ENTERVAN	UNLEADED	Dial-A-Lift	Dail A Lift Van	03/31/2022	L63385	$43,663.
12	03/23/2016	3	6	1	LONG BEACH	2014 MV-1 CNG	Demand Response	MV	ACTIVE	51050Z1	57WMD2B62EM102091	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022	L73739	$63,172.
13	03/23/2016	3	6	1	LONG BEACH	2014 MV-1 CNG	Demand Response	MV	ACTIVE	1467827	57WMD2B69EM102105	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022		
14	07/09/2017	3	5	1	LONG BEACH	2017 MV-1 CNG	Demand Response	MV	ACTIVE	1517076	57WMD2B60EM102106	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022		
15	07/09/2017	3	5	1	LONG BEACH	2017 MV-1 CNG	Demand Response	MV	ACTIVE	1517077	57WMD2B62EM102107	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022	L76892	$38,000.
16	07/09/2017	3	5	1	LONG BEACH	2017 MV-1 CNG	Demand Response	MV	ACTIVE	1517078	57WMD2B67EM102197	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022	L76892	$38,000.
17	07/09/2017	3	5	1	LONG BEACH	2017 MV-1 CNG	Demand Response	MV	ACTIVE	1517079	WMD2BGXEM102212	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022	L77885	$58,436.
18	11/13/2017	3	5	1	LONG BEACH	2017 MV-1 CNG	Demand Response	MV	ACTIVE	1534026	57WMD2B68EM102208	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022	L80371	$58,915.
19	11/13/2017	3	5	1	LONG BEACH	2017 MV-1 CNG	Demand Response	MV	ACTIVE	1534027	57WMD2B6XEM102209	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022	L80371	$58,915.
20	11/13/2017	3	5	1	LONG BEACH	2017 MV-1 CNG	Demand Response	MV	ACTIVE	1534028	WMD2B66EM102210	MV1	CNG	Dial-A-Lift	Dail A Lift Van	03/31/2022	L80371	$58,915.
261	1999	12	23	1	LONG BEACH	Aqua Bus, Willard Marine	Fixed Route	Vessel	ACTIVE	On file	On file	Excursion	DIESEL FUEL	OPERATIONS	Ferry Service			
262	1999	12	23	1	LONG BEACH	Aqua Bus, Willard Marine	Fixed Route	Vessel	ACTIVE	On file	On file	Escursion	DIESEL FUEL	OPERATIONS	Ferry Service			
263	2001	12	21	1	LONG BEACH	Aqua Link, Kvichak Marine	Fixed Route	Vessel	ACTIVE	On file	On file	Catermaran	DIESEL FUEL	OPERATIONS	Ferry Service			
264	2011	12	11	2	LONG BEACH	Aqua Link, Kvichak Marine	Fixed Route	Vessel	ACTIVE	On file	On file	Catermaran	DIESEL FUEL	OPERATIONS	Ferry Service			

Appendix B:
Non-Revenue Vehicle Inventory

LONG BEACH TRANSIT

Non Revenue Vehicle Inventory

Plant Number	Date of purchase	LBT Adjusted ULB	Age	Score	Equipment Location Desc	Equipment Description	Equip Code	Equipment Status Desc	License	VIN	Model	Fuel Type Desc	Department	Equipment Class Desc	Last Stat Date	Purchase order number	Purchase Price
66	04/01/1997	4	25	1	LBT2	97 CLARK FORKLIFT -- LPG	RTV	ACTIVE	EXEMPT	GX710U-0039-9457FB	FORKLIFT	LPG	MAINTENANCE	Rolling Stock	04/01/1997		$0.
67	04/01/1997	4	25	1	LBT1	97 YALE FORKLIFT -- LPG	RTV	ACTIVE	EXEMPT	GLC050DENUAE083	FORKLIFT	LPG	MAINTENANCE	Rolling Stock	04/01/1997		$0.
84	11/04/1997	4	25	1	LBT2	1999 T. DUNN ELEC. CART	RTV	ACTIVE	NL	131335	ELECTRIC CART	ELECTRIC	MAINTENANCE	Rolling Stock	11/04/1997		$0.
95	09/04/2001	4	21	1	LBT2	HARLAN TUG AND PULL	RTV	ACTIVE	NL	10562	TUG	DIESEL FUEL	MAINTENANCE	Rolling Stock	11/12/2003	214115	$29,070.
98	02/12/1999	4	23	1	LBT2	1999 CLARK ELEC. FORKLIFT	RTV	ACTIVE	NL	TMG248-0150-9570KF	FORKLIFT	ELECTRIC	MAINTENANCE -	Rolling Stock			$0.
99	02/12/1999	4	23	1	LBT1	1999 CLARK ELEC. FORKLIFT	RTV	ACTIVE	NL	TMG248-0353-7488FB	FORKLIFT	ELECTRIC	MAINTENANCE	Rolling Stock			$0.
197	05/01/2014	3	8	1	LBT2	0197 (D134) 2014 BRAUN ENTERVAN	MV	ACTIVE	1437427	2C7WDGBG*ER220313	ENTERVAN	UNLEADED	OPERATIONS REI	Service Vehicle	06/02/2022	L63385	$43,663.
199	05/01/2014	3	8	1	LBT2	0199 (D147) 2014 BRAUN ENTERVAN	MV	ACTIVE	1437429	2C7WDGBG9ER220321	ENTERVAN	UNLEADED	OPERATIONS REI	Service Vehicle	06/02/2022	L63385	$43,663.
220	11/04/1997	4	25	1	LBT1	2001 T. DUNN ELEC. CART	RTV	ACTIVE	NL	147331	ELECTRIC CART	ELECTRIC	MAINTENANCE	Rolling Stock		213352	$0.
231	11/20/2006	4	16	1	LBT2	2007 TENANT SWEEPER	RTV	ACTIVE	NL	6600-26235	SWEEPER	UNLEADED	FACILITIES	Rolling Stock		L22977	$26,988.
234	05/17/2007	3	15	1	LBT2	2007 TOYOTA CAMRY HYBRID	AO	ACTIVE	1263763	JTNBB46K873036414	CAMRY HYBRID	UNLEADED	OPERATIONS	Service Vehicle	05/30/2022	L25688	$26,721.
235	05/17/2007	3	15	1	LBT1	2007 TOYOTA CAMRY HYBRID	AO	ACTIVE	1263762	4T1BB46K17U009596	CAMRY HYBRID	UNLEADED	TSD STAFF	Service Vehicle	06/05/2022	L25688	$26,721.
236	08/14/2007	4	15	1	LBT1	0236 2007YR FORD TRUCK F-750	RTV	ACTIVE	1264669	3FRNF75A58V670387	SUPPORT VEHICLES MAINT	DIESEL FUEL	SZ Construction	SUPPORT VEHIC	05/18/2021	L26424	$93,873.
237	10/08/2008	4	14	1	LBT1	0237 2009 Ford E150 Cargo Van	VN	ACTIVE	1317431	1FTNE14L19DA15260	E150 CARGO VAN	UNLEADED	MARKETING	Service Vehicle	06/02/2022	L31970	$16,705.
239	10/15/2008	3	14	1	LBT1	2009 TOYOTA PRIUS HYBRID	AO	ACTIVE	1323228	JTDKB20U197834087	PRIUS HYBRID	UNLEADED	RISK MANAGEM	Service Vehicle	06/06/2022	L31604	$20,550.
241	10/16/2008	3	14	1	LBT2	2009 TOYOTA PRIUS HYBRID	AO	ACTIVE	1323231	JTDKB20U393476224	PRIUS HYBRID	UNLEADED	OPERATION REL	Service Vehicle	06/03/2022	L31604	$20,550.
243	11/20/2008	4	14	1	LBT2	2009 FORD F150 REG CAB PICK-UP	RTV	ACTIVE	1317699	1FTPF12V99KA89175	F150	UNLEADED	MAINTENANCE	Service Vehicle	06/02/2022	L32983	$15,594.
246	12/04/2008	3	14	1	LBT2	0246 2009 Ford Escape Hybrid FWD	AO	ACTIVE	1317702	1FMCU49329KA71249	ESCAPE	UNLEADED	Ops Supervisors	Service Vehicle	06/02/2021	L31991	$25,024.
247	04/09/2009	3	13	1	LBT1	0247 2009 Ford Escape Hybrid FWD	AO	ACTIVE	1239361	1FMCU49309KA33793	ESCAPE	UNLEADED	MIS	Service Vehicle	06/06/2022	L36250	$28,400.
248	04/09/2010	3	12	1	LBT1	0248 2009 Ford Escape Hybrid FWD	AO	ACTIVE	1239362	1FMCU49319KB47561	ESCAPE	UNLEADED	RISK MANAGEM	Service Vehicle	05/27/2022	L36250	$28,400.
249	04/14/2009	3	13	1	LBT2	2009 TOYOTA PRIUS HYBRID	AO	ACTIVE	1295595	JTDKB20UX97880291	PRIUS HYBRID	UNLEADED	OPERATIONS REI	Service Vehicle	06/04/2022	L36408	$21,761.
250	04/14/2009	3	13	1	LBT2	2009 TOYOTA PRIUS HYBRID	AO	ACTIVE	1295596	JTDKB20U693490425	PRIUS HYBRID	UNLEADED	OPERATIONS REI	Service Vehicle	06/03/2022	L36408	$21,761.
252	05/05/2009	4	13	1	LBT2	TAYOR DUNN ELECTRIC CART	RTV	ACTIVE	NL	179925	ELECTRIC CART	ELECTRIC	FACILITIES	Rolling Stock			$0.
253	02/27/2009	4	13	1	LBT1	2009 EAGLE TUG/PULL	RTV	ACTIVE	NL	UNKNOWN	TUG	UNLEADED	MAINTENANCE	Rolling Stock		L36143	$68,266.
256		4	13	1	LBT1	2009 LPG CAT FORKLIFT	RTV	ACTIVE	NL	AT87A30558	GTC45K-LP-SWB	LPG	MAINTENANCE	Rolling Stock		L36239	$44,209.
257	12/01/2009	3	13	1	LBT2	2010 TOYOTA PRIUS HYBRID	AO	ACTIVE	1340498	JTDKN3DU2A1111556	PRIUS HYBRID	UNLEADED	OPERATIONS REI	Service Vehicle	06/03/2022	L38515	$21,180.
259	05/10/2011	4	11	1	LBT2	2011 TOYOTA PRIUS HYBRID	AO	ACTIVE	1369934	JTDKN3DU3B1367450	PRIUS HYBRID	UNLEADED	OPERATIONS REI	Service Vehicle	06/05/2022	L46783	$21,180.
260	11/08/2011	4	11	1	LBT2	0260 TRAILER WITH TANK	RTV	ACTIVE	E1157086			NONE	SZ / FACILITIES	Rolling Stock			$0.
261	01/03/2012	4	10	1	LBT1	2012 CHEVY TAHOE LS 2WD GASOLINE	RTV	ACTIVE	6SZW861	1GNLC2E04CR123249	TAHOE	UNLEADED	TRANSIT POLICE	Service Vehicle	06/03/2022		$31,439.
262	04/18/2012	4	10	1	LBT1	2011 SKYJACK MODEL SJ111 3015	RTV	ACTIVE	NL		SJ111	ELECTRIC	MAINTENANCE	Rolling Stock			$0.
263	04/18/2012	4	10	1	LBT1	2011 SKYJACK MODEL SJ111 3015	RTV	ACTIVE	NL		SJ111	ELECTRIC	MAINTENANCE	Rolling Stock			$0.
264	04/14/2012	4	10	1	LBT2	0264 2012yr FORD UTILITY/EXPEDET XL 4X4	RTV	ACTIVE	1383168	1FMJU1G56CEF35417	EXPEDITION XL 4X4	UNLEADED	OPS SUPERVISOI	Service Vehicle	05/17/2022		$24,913.
265	04/14/2012	4	10	1	LBT2	0265 2012yr FORD UTILITY/EXPEDET XL 4X4	RTV	ACTIVE	1383170	1FMJU1G56CEF35418	EXPEDITION XL 4X4	UNLEADED	OPS SUPERVISOI	Service Vehicle	06/03/2022		$24,913.
266	04/14/2012	4	10	1	LBT1	0266 2012yr FORD UTILITY/EXPEDET XL 4X4	RTV	ACTIVE	1383169	1FMJU1G5XCEF35419	EXPEDITION XL 4X4	UNLEADED	OPS SUPERVISOI	Service Vehicle	05/24/2022		$24,913.
267	06/27/2012	4	10	1	LBT1	0267 FORD PICK UP - F-250 (2012)	RTV	ACTIVE	1385982	1FTB2A61CEC32880	PICKUP - F-250	UNLEADED	PARTS ROOM	Service Vehicle	06/01/2022		$0.
268	02/18/2013	4	9	1	LBT1	2012 SKYJACK MODEL SJ111 3215	RTV	ACTIVE	NL		SJ111	ELECTRIC	MAINTENANCE	Rolling Stock			$0.
269	02/18/2013	4	9	1	LBT2	2012 SKYJACK MODEL SJ111 3215	RTV	ACTIVE	NL		SJ111 3215	ELECTRIC	MAINTENANCE	Rolling Stock			$0.
270	02/18/2013	4	9	1	LBT2	2012 SKYJACK MODEL SJ111 3215	RTV	ACTIVE	NL		SJ111 3215	ELECTRIC	MAINTENANCE	Rolling Stock			$0.
271	02/18/2013	4	9	1	LBT2	2013 TENANT RIDER SWEEPER	RTV	ACTIVE	NL	S30-3871	SWEEPER	UNLEADED	FACILITIES	Rolling Stock			$0.
272	03/20/2013	4	9	1	LBT2	2013 TENNANT FLOOR SCRUBBER MODEL 5700	RTV	ACTIVE	NL	5700-10612047	FLOOR SCRUBBER	ELECTRIC	FACILITIES	Rolling Stock		L59174	$11,812.
273	05/07/2013	4	9	1	LBT1	0273 FORD F-250 CREW CAB 2013	RTV	ACTIVE	1422347	1FT7W2A6XDEB20067	F-250	UNLEADED	SZ Stop Cleaning	Service Vehicle	06/06/2022		$0.
274	05/07/2013	4	9	1	LBT1	0274 FORD F-250 CREW CAB 2013	RTV	ACTIVE	1422346	1FT7W2A6XDEB20068	F-250	UNLEADED	SZ Stop Cleaning	Service Vehicle	06/03/2022		$0.
275	07/18/2013	4	9	1	LBT1	0275 2013 CHEVY CARGO VAN	VN	ACTIVE	1416064	1GCWGFCA0D1166757	CARGO VAN	UNLEADED	SZ Construction	Service Vehicle	06/03/2022	L58607	$19,902.
278	08/26/2013	4	9	1	LBT2	2013 TENNANT FLOOR SCRUBBER MODEL 5880	RTV	ACTIVE	NL	5400-10012362	FLOOR SCRUBBER	ELECTRIC	FACILITIES	Rolling Stock			$11,812.
279	11/06/2013	4	9	1	LBT1	0279 2013 YR FORD TRUCK F-750	RTV	ACTIVE	1435515	3FRYF7FJ0DV765591	SERVICE BED F-750	DIESEL FUEL	SZ Construction	Service Vehicle	06/03/2022		$90,636.
280	02/19/2014	3	8	1	LBT1	2014 TOYOTA PRIUS V HYBRID	AO	ACTIVE	1393458	JTDZN3EUXE3332300	PRIUS V HYBRID	UNLEADED	SYSTEM SECURI	Service Vehicle	06/06/2022		$22,550.
281	02/19/2014	3	8	1	LBT2	2014 TOYOTA PRIUS V HYBRID	AO	ACTIVE	1393519	JTDZN3EU0EJ003813	PRIUS V HYBRID	UNLEADED	OPERATIONS REI	Service Vehicle	06/05/2022		$27,968.
282	03/13/2015	3	7	1	LBT1	0282 2015 YR FORD TRANSIT CONNECT	MV	ACTIVE	1467570	NMOLS7E78F1192807	TRANSIT CONNECT	UNLEADED	Manitenance Su	Service Vehicle	06/03/2022	L66877	$22,514.
283	07/15/2015	4	7	1	LBT1	0283 FORD SUPER CAB PICK-UP F250 (2016)	RTV	ACTIVE	1462461	1FT7X2A61GEA16407	PICK-UP F250 SUPER CAB 4X2	UNLEADED	STOPS AND ZON	Service Vehicle	06/03/2022	L68925	$23,098.
285	07/31/2015	4	7	1	LBT2	0285 2016 FORD EXPLORER	RTV	ACTIVE	1482833	1FM5K8AR0GGA28390	EXPLORER	UNLEADED	OPS SUPERVISOI	Service Vehicle	06/05/2022		$24,913.
286	10/10/2015	3	7	1	LBT2	2015 TOYOTA PRIUS C HYBRID	AO	ACTIVE	1393838	JTDKDTB3XF1104536	PRIUS C HYBRID	UNLEADED	OPERATION REL	Service Vehicle	06/04/2022	L69642	$22,047.
287	02/04/2016	4	6	1	LBT1	2016 Snorkel, MB20J Boom Lift	RTV	ACTIVE	NL		MB20J BOOM LIFT	ELECTRIC	MAINTENANCE	Rolling Stock		L72111	$31,449.
288	02/18/2016	4	6	1	LBT1	0288 2016 Ford Utility AWD	RTV	ACTIVE	1495709	1FM5K8AR5GGC07959	POLICE INTERCEPTOR	UNLEADED	TSD	Service Vehicle	06/02/2022	L71903	$32,440.
289	02/18/2016	4	6	1	LBT1	0289 2016 Ford Utility AWD	RTV	ACTIVE	1495708	1FM5K8AR1GGC07960	POLICE INTERCEPTOR	UNLEADED	TSD	Service Vehicle	06/05/2022	L71903	$32,440.
290	02/18/2016	4	6	1	LBT2	0290 2016 Ford Utility AWD	RTV	ACTIVE	1495707	1FM5K8AR3GGC07961	POLICE INTERCEPTOR	UNLEADED	TSD	Service Vehicle	06/06/2022	L71903	$32,440.

LONG BEACH TRANSIT

Non Revenue Vehicle Inventory

Plant Number	Date of purchase	LBT Adjusted ULB	Age	Score	Equipment Location Desc	Equipment Description	Equip Code	Equipment Status Desc	License	VIN	Model	Fuel Type Desc	Department	Equipment Class Desc	Last Stat Date	Purchase order number	Purchase Price
291	02/18/2016	4	6	1	LBT1	0291 2016 Ford Utility AWD	RTV	ACTIVE	12345	1FM5K8AR5GGC07962	POLICE INTERCEPTOR	UNLEADED	TSD	Service Vehicle	06/06/2022	L71903	$32,440.
292	08/31/2016	4	6	1	LBT2	2016 Ford F-450 Diesel with Utility Body	RTV	ACTIVE	1500782	1FDUF4GT8GED28766	F-450 WITH UTILITY BODY	DIESEL FUEL	Road Call Mainte	Service Vehicle	06/06/2022	L73817	$39,398.
293	08/31/2016	4	6	1	LBT1	2016 Ford F-450 Diesel with Utility Body	RTV	ACTIVE	1500783	1FDUF4GTXGED28767	F-450 WITH UTILITY BODY	DIESEL FUEL	Road Call Mainte	Service Vehicle	06/02/2022	L73817	$39,398.
294	08/07/2017	4	5	1	LBT1	0236 POWER WASHER EQUIP, STOPS & ZONES	RTV	ACTIVE	EXEMPT		NA	UNLEADED	MAINTENANCE	Rolling Stock		L79201	$13,884.
295	09/06/2017	4	5	1	LBT1	0273 POWER WASHER EQUIP, STOPS & ZONES	RTV	ACTIVE	EXEMPT		NA	UNLEADED	MAINTENANCE	Rolling Stock		L79201	$13,884.
296	10/06/2017	4	5	1	LBT1	0274 POWER WASHER EQUIP, STOPS & ZONES	RTV	ACTIVE	EXEMPT		NA	UNLEADED	MAINTENANCE	Rolling Stock		L79201	$13,884.
297	09/22/2017	4	5	1	LBT1	0297 Forklift LPG 25 - 5,000 lbs.Lift	RTV	ACTIVE	EXEMPT	PTA00854	FORKLIFT	LPG	MAINTENANCE	Rolling Stock		L50195	$27,157.
298	01/23/2018	4	4	1	LBT1	2018 TENNANT FLOOR SCRUBBER MODEL 5700	RTV	ACTIVE	NL	5700-10882797	FLOOR SCRUBBER	ELECTRIC	FACILITIES	Rolling Stock		L81660	$12,846.
299	03/20/2013	4	9	1	LBT1	2018 TENNANT FLOOR SCRUBBER MODEL 5700	RTV	ACTIVE	NL	5700-10882798	FLOOR SCRUBBER	ELECTRIC	FACILITIES	Rolling Stock		L81660	$12,846.
301	01/29/2018	4	4	1	LBT1	0301 2018 Chevrolet 2500 Pick-up	RTV	ACTIVE	1465169	1GC2CUEG9JZ119904	SILVERADO 2500	UNLEADED	SZ Stop Cleaning	Service Vehicle	05/30/2022	L80434	$30,792.
302	01/29/2018	4	4	1	LBT1	0302 2018 Chevrolet 2500 Pick-up	RTV	ACTIVE	1465170	1GC2CUEGGJZ126969	SILVERADO 2500	UNLEADED	SZ Stop Cleaning	Service Vehicle	06/03/2022	L80434	$30,792.
303	01/29/2018	4	4	1	LBT1	0303 2018 Chevrolet 2500 Pick-up	RTV	ACTIVE	1465171	1GC2CUEG5JZ158408	SILVERADO 2500	UNLEADED	SZ Stop Cleaning	Service Vehicle	06/03/2022	L80434	$30,792.
306	03/27/2018	3	4	1	LBT1	0306 2018 Ford Focus Electric	AO	ACTIVE	1539155	1FDP3R46JL236484	ELECTRIC, FORD FOCUS	ELECTRIC	SERVICE CARS ST	Service Vehicle	04/08/2019	L82667	$31,992.
307	05/01/2018	3	4	1	LBT1	0307 2018 Nissan Leaf Electric	AO	ACTIVE	8DWR798	1N4AZ1CP4JC305872	NISSAN LEAF ELECTRIC	ELECTRIC	SERVICE CARS ST	Service Vehicle	04/08/2019	L82978	$33,090.
308	07/19/2018	3	4	1	LBT2	0308 2018 Hydndai Ioniq Hybrid	AO	ACTIVE	1551271	KMHC65LCXJU101700	IONIQ HYBRID	UNLEADED	Operator Relief (	Service Vehicle	06/03/2022	L83951	$32,102.
309	07/09/2018	3	4	1	LBT1	0309 2018 Hyundai Ioniq Hybrid	AO	ACTIVE	1551270	KMHC65LCXJU102037	IONIQ HYBRID	UNLEADED	SERVICE CARS OI	Service Vehicle	06/03/2022	L83951	$32,102.
310	10/05/2018	4	4	1	LBT1	2019 Tahoe 2WD Police Vehicle	RTV	ACTIVE	1385129	1GNLCDECXKR122692	TAHOE POLICE VEHICLE	UNLEADED	TRANSIT POLICE	Service Vehicle	06/02/2022	L83005	$93,817.
311	10/19/2018	4	4	1	LBT1	2018 Ford Transit 250 MR Cargo Van	VN	ACTIVE	1446003	1FTYR2CM2JKB54962	FORD TRANSIT 250 MR CARGO VAN	UNLEADED	MARKETING	Service Vehicle	06/03/2022	L85203	$37,957.
312	05/30/2018	4	4	1	LBT1	0236 Power Washer Hydro Tek, Stops&Zones	RTV	ACTIVE	EXEMPT	201700761	MODEL SC 3500GHG	UNLEADED	MAINTENANCE,	Rolling Stock		L83544	$5,681.
313	11/13/2018	3	4	1	LBT2	2018 Ford Transit 350 HR Passenger Van	MV	ACTIVE	65964D2 TE	1FBAX2XG3JKB41055	TRANSIT 350 HR PASSENGER VAN	UNLEADED	TRAINING	Service Vehicle	05/17/2022	L85344	$42,106.
315	07/17/2019	4	3	4	LBT1	0315 2019 FORD Explorer 4WD SUV	RTV	ACTIVE	TEMP. AJ08	1FM5K7B8XKGA15946	EXPLORER 4WD, FORD SUV	UNLEADED	TSD OPS SUPER\	Service Vehicle	06/05/2022	L87562	$35,346.
316	09/25/2019	4	3	4	LBT1	0316 (2019) F-450 POWER STROKE UTILITY	RTV	ACTIVE	1579753	1FDUF4GT8KDA24237	UTILITY	UNLEADED	MAINTENANCE S	Service Vehicle	05/31/2022	L86455	$44,522.
317	08/19/2019	4	3	4	LBT1	2019 Proterra 5130 B ELECTRIC SWEEPER	RTV	ACTIVE	NL	3510185000442 / 133001(	5130 B ELECTRIC SWEEPER	BATTERY	MAINTENANCE	Rolling Stock		L87588	$46,942.
318	08/19/2019	4	3	4	LBT2	2019 BYD ELECTRIC FORKLIFT ECB16B	RTV	ACTIVE	NL	0901180405	ECB16B	BATTERY	MAINTENANCE	Rolling Stock		L88057	$38,789.
319	10/08/2019	4	3	4	LBT2	2019 BYD ELECTRIC FORKLIFT ECB25D	RTV	ACTIVE	NL	0701190436	ECB25D	BATTERY	MAINTENANCE	Rolling Stock		L88057	$38,729.
320	11/05/2019	4	3	4	LBT1	0320 FORD F-250 CREW CAB 2019	RTV	ACTIVE	1280161	1FT7W2A6XKEF65616	F-250	UNLEADED	SZ Stop Cleaning	Service Vehicle	06/06/2022	L87891	$43,478.
321	11/25/2019	4	3	4	LBT1	0321 FORD F-250 CREW CAB 2019	RTV	OFF SITE	1197373	1FT7W2A63KEF65618	F-250	UNLEADED	SZ Stop Cleaning	Service Vehicle	06/06/2022	L87892	$43,478.
322	04/05/2022	3	0	10	LBT1	0322 TOYOTA COROLLA HYBRID LE	AO	ACTIVE	BG14B25	JTDEAMDEGNJ051990	COROLLA HYBRID LE	UNLEADED	Operator Relief (	Service Vehicle	06/06/2022	CHECK	$30,658.
323	04/19/2022	3	0	10	LBT1	0323 TOYOTA COROLLA HYBRID LE	AO	ACTIVE	BV02420	JTDEAMDEGNJ054081	COROLLA HYBRID LE	UNLEADED	Operator Relief (	Service Vehicle	06/06/2022	CHECK	$30,667.
TRASHTRUCK		4			LBT1	TRASH TRUCK	RTV	ACTIVE	1264669	3FRNF75A58V670387	SERVICE BED F750	DIESEL FUEL	(for AIM Reporti	Service Vehicle			$0.

Appendix C:
Fixed Asset Inventory

B20 OTHER

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3360524	B2050	**Automatic Door Opener**	Commercial Overhead/Dock Door		LBT1 - General Purpose Facility (North Shops)	Site						6

D10 Conveying

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3348576	D1010	**Elevator Controls**	Automatic, 1 Car		LBT1 - Administrative Offices and Bus Maintenance	Elevator						
2	3315914	D1010	**Elevator Controls**	Automatic, 1 Car		LBT2 - Bus Maintenance Service Garage Building	Elevator room						
3	3281319	D1010	**Elevator Controls**	Automatic, 1 Car		LBTCO - Administration Office Building	Elevator				2007		4
4	3290346	D1010	**Passenger Elevator**	Hydraulic, 2 Floors	2000 LB	LBT1 - Administrative Offices and Bus Maintenance	Elevator room	Otis					
5	3315932	D1010	**Passenger Elevator**	Hydraulic, 2 Floors, 1500 to 2500 LB		LBT2 - Bus Maintenance Service Garage Building	Elevator room	ThyssenKrupp					
6	3375429	D1010	**Passenger Elevator**	Overhead Traction, 6-15 Floors	2000 - 5000 LB	LBTCO - Administration Office Building	Elevator				1987		4
7	3281333	D1010	**Passenger Elevator**	Overhead Traction, 6-15 Floors	2000 - 5000 LB	LBTCO - Administration Office Building	Elevator				1987		4
8	3348794	D1050	**Crane**	1 Ton		LBT1 - Administrative Offices and Bus Maintenance	Bus Maintence						
9	3348795	D1050	**Crane**	2 Ton		LBT1 - Administrative Offices and Bus Maintenance	Shop						
10	3315888	D1050	**Crane**	1 Ton		LBT2 - Bus Maintenance Service Garage Building	Garage						

D20 Plumbing

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3281391	D2010	**Storage Tank**	Domestic Water	501 - 1000 GAL	LBTCO - Administration Office Building	Chiller room				2016		
2	3281305	D2010	**Storage Tank**	Domestic Water	1001 - 2500 GAL	LBTCO - Administration Office Building	Site				1987		
3	3315821	D2010	**Storage Tank**	Domestic Water, 7000 GAL		LBT2 - Site	Bus wash						
4	3281409	D2010	**Pump**	Circulation, Domestic Water	.5 HP	LBTCO - Administration Office Building	Boiler room				2003		
5	3290448	D2010	**Pump**	Circulation, Domestic Water, 0.75 HP		LBT1 - General Purpose Facility (North Shops)	Paint booth						
6	3290329	D2010	**Pump**	Circulation, Domestic Water, 2 HP	3 HP	LBT1 - Site	Bus wash						2
7	3281420	D2010	**Pump**	Circulation/Booster, Domestic Water	3 HP	LBTCO - Administration Office Building	2nd floor pump room				2013		2
8	3360514	D2010	**Water Heater**	Electric, Residential, 16 to 29 GAL		LBT1 - General Purpose Facility (North Shops)							
9	3281351	D2010	**Water Heater**	Electric, Commercial (12 kW)	30 - 80 GAL	LBTCO - Administration Office Building	Fire riser - 1st floor				2013		
10	3287747	D2010	**Water Heater**	Electric, Instant Hot		* Long Beach Shadow Aren 9/11/2021 6:27 PM	Throughout building						3
11	3315780	D2010	**Water Heater**	Electric, Instant Hot		LBT2 - Administrative Office Building (TDSP)	Restroom						3
12	3290391	D2010	**Water Heater**	Electric, Instant Hot		LBT1 - Administrative Offices and Bus Maintenance	Break room	InSinkErator	HWT-F1000S	44611M	2007		
13	3290293	D2010	**Water Heater**	Electric, Residential	20 GAL	LBT1 - Administrative Office Building (TDSP)	Utility closet						
14	3310019	D2010	**Water Heater**	Electric, Residential	5 - 15 GAL	TVIC (Transit Visitor's Information Center)	Utility closet				2009		
15	3310030	D2010	**Water Heater**	Electric, Residential	5 - 15 GAL	TVIC (Transit Visitor's Information Center)	Utility closet						
16	3315830	D2010	**Water Heater**	Electric, Residential, 50 GAL		LBT2 - Site	Bus wash				2002		
17	3315921	D2010	**Water Heater**	Gas, Commercial (125 MBH), 75 to 99 GAL		LBT2 - Bus Maintenance Service Garage Building	Garage	Rheem	G75UN	RRGUM2514	2013		
18	3281362	D2010	**Water Heater**	Gas, Commercial (200 MBH)	199 GAL	LBTCO - Administration Office Building	Boiler room				2003		
19	3315919	D2010	**Water Heater**	Gas, Commercial (200 MBH), 100 to 199 GAL		LBT2 - Bus Maintenance Service Garage Building	Utility room	American Standard	ULN100-270 AS	B18-0765	2018		
20	3315835	D2010	**Water Heater**	Gas, Commercial (200 MBH), 100 to 199 GAL		LBT2 - Bus Maintenance Service Garage Building	Mechanical room	American Standard	ULN100-270-AS	C18-1440	2018		
21	3290323	D2010	**Water Heater**	Gas, Commercial (200 MBH), 100 to 199 GAL	100 GAL	LBT1 - Administrative Offices and Bus Maintenance	Utility room	Rheem	GNU100-200	A121704410			
22	3315772	D2010	**Water Heater**	Gas, Residential	60 - 120 GAL	LBT2 - Administrative Office Building (TDSP)	Utility room						
23	3281377	D2010	**Water Heater**	Gas, Tankless	3.2 - 6.4 GPM	LBTCO - Administration Office Building	Breakroom				2016		14
24	3290449	D2010	**Water Heater**	Electric, Residential, 16 to 29 GAL	Inaccessible	LBT1 - General Purpose Facility (North Shops)		Inaccessible	Inaccessible	Inaccessible			
25	3281304	D2010	**Water Softener**	Domestic Water	100 GPM	LBTCO - Administration Office Building	Chiller room				2016		
26	3281385	D2010	**Backflow Preventer**	Domestic Water	3 IN	LBTCO - Administration Office Building	Site				2017		
27	3281327	D2010	**Backflow Preventer**	Domestic Water	1 IN	LBTCO - Administration Office Building	Throughout building				2003		2
28	3290287	D2010	**Backflow Preventer**	Domestic Water	1 IN	LBT1 - Site	Site						
29	3290276	D2010	**Backflow Preventer**	Domestic Water	2 IN	LBT1 - Site	Site						2
30	3290368	D2010	**Backflow Preventer**	Domestic Water, 2 IN		LBT1 - Site	Site						
31	3290331	D2010	**Backflow Preventer**	Domestic Water, 4 IN		LBT1 - Administrative Offices and Bus Maintenance	Building exterior						
32	3315810	D2010	**Backflow Preventer**	Domestic Water, 6 IN		LBT2 - Site	Site						
33	3315813	D2010	**Backflow Preventer**	Domestic Water, 8 IN		LBT2 - Site	Site						
34	3315823	D2010	**Backflow Preventer**	Domestic Water, 8 IN		LBT2 - Site	Site						
35	3290378	D2010	**Supplemental Components**	Reverse Osmosis/Deionized Water System, Domestic Water		1 LBT1 - Site	Bus wash						

36	3281421 D2060	**Air Compressor**	Tank-Style	10 HP	LBTCO - Administration Office Building	Air handler-penthouse					2017	
37	3315831 D2060	**Air Compressor**	Tank-Style, 5 HP		LBT2 - Site	Site	Illegible	M3215F	36B101T181H1			
38	3290420 D2060	**Air Compressor**	Tank-Style, 15 HP		LBT1 - General Purpose Facility (North Shops)	Tire shop						
39	3348949 D2060	**Air Compressor**	Tank-Style, 25 HP		LBT2 - Bus Maintenance Service Garage Building	Garage	Curtis	8B25			2003	
40	3315906 D2060	**Air Compressor**	Tank-Style, 25 HP		LBT2 - Bus Maintenance Service Garage Building	Garage	Curtis	8B25	AS8120025		2003	
41	3290430 D2060	**Air Compressor**	Tank-Style, 50 HP		LBT1 - General Purpose Facility (North Shops)	Tire shop					2019	
42	3281372 D2060	**Supplemental Components**	Compressed Air Dryer, Process Support	100 CFM	LBTCO - Administration Office Building	Air handler-penthouse					2007	
43	3315905 D2060	**Supplemental Components**	Compressed Air Dryer, Process Support, 100 CFM		LBT2 - Bus Maintenance Service Garage Building	Garage	Great Lakes Air	GRF-220A-436		36264	2010	

D30 HVAC

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3315816	D3010	**Pump**	Fuel Oil, 5 HP		LBT2 - Site	Site						
2	3372259	D3010	**Lubricant Storage Tank**	Fuel 1000 GAL		LBT1 - Site	Site						
3	3372256	D3010	**Lubricant Storage Tank**	Fuel, 2500 GAL		LBT1 - Site	Site						3
4	3372258	D3010	**Lubricant Storage Tank**	Fuel, 5000 GAL		LBT1 - Site	Site						3
5	3372591	D3010	**Storage Tank**	Fuel, 250 GAL		LBT2 - Site	Site generator						
6	3372254	D3010	**Underground Storage Tank**	Fuel, 10000 GAL		LBT1 - Site	Site						
7	3372255	D3010	**Underground Storage Tank**	Fuel, 20000 GAL		LBT1 - Site	Site						
8	3372253	D3010	**Underground Storage Tank**	Fuel, 30000 GAL		LBT1 - Site	Site						
9	3281347	D3020	**Boiler**	Gas, HVAC	1530 MBH	LBTCO - Administration Office Building	Boiler room				2005		2
10	3290317	D3020	**Boiler**	Gas, HVAC	2450 MBH	LBT1 - Administrative Offices and Bus Maintenance	Mechanical room	Bryan Boilers	L36 W WT FDG		61527	1985	
11	3352080	D3020	**Infrared Heater**	Gas-Fired Tubular, 20 LF, 40 MBH		LBT2 - Site	Bus Wash					2002	
12	3290355	D3020	**Infrared Heater**	Gas-Fired Tubular, 20 LF, 40 MBH	100 MBH	LBT1 - Administrative Offices and Bus Maintenance	Work floor						6
13	3315931	D3020	**Infrared Heater**	Gas-Fired Tubular, 20 LF, 40 MBH		LBT2 - Bus Maintenance Service Garage Building	Bus Maintenance Garage						5
14	3315861	D3020	**Infrared Heater**	Gas-Fired Tubular, 20 LF, 80 MBH		LBT2 - Bus Maintenance Service Garage Building	Garage						2
15	3281341	D3020	**Boiler Supplemental Components**	Expansion Tank	61 - 100 GAL	LBTCO - Administration Office Building	Boiler room				2016		
16	3290324	D3030	**Chiller**	Air-Cooled	10 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	39EH23	3287 T 02178		1987	
17	3281395	D3030	**Chiller**	Water-Cooled	400 TON	LBTCO - Administration Office Building	Chiller room					2016	2
18	3281332	D3030	**Cooling Tower**	(Typical) Open Circuit	400 TON	LBTCO - Administration Office Building	Roof					2016	2
19	3348639	D3030	**Computer Room AC Unit**	Air-Cooled, Condenser & CRAC Cabinet, 4 to 5 TON		LBT1 - Administrative Offices and Bus Maintenance	Data center						
20	3315796	D3030	**Computer Room AC Unit**	Air-Cooled, Condenser & CRAC Cabinet, 4 to 5 TON		LBT2 - Administrative Office Building (TDSP)	Roof						
21	3281318	D3030	**Split System**	Condensing Unit/Heat Pump	3 TON	LBTCO - Administration Office Building	Roof					2003	
22	3281306	D3030	**Split System**	Condensing Unit/Heat Pump	6 TON	LBTCO - Administration Office Building	Roof					2013	2
23	3290394	D3030	**Split System**	Condensing Unit/Heat Pump	1 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof						
24	3281330	D3030	**Split System**	Condensing Unit/Heat Pump	11.5 TON	LBTCO - Administration Office Building	Roof					2013	3
25	3281396	D3030	**Split System**	Condensing Unit/Heat Pump	5 TON	LBTCO - Administration Office Building	Roof					2003	
26	3290314	D3030	**Split System**	Condensing Unit/Heat Pump	1 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof						3
27	3290410	D3030	**Split System**	Condensing Unit/Heat Pump	3 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof						
28	3290354	D3030	**Split System**	Condensing Unit/Heat Pump, 3.5 TON	3.5 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof						
29	3290330	D3030	**Split System**	Condensing Unit/Heat Pump, 31 to 50 TON	3 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	38APD0306DA13094	2715Q54214		2015	
30	3290344	D3030	**Split System**	Fan Coil Unit, DX, 2 to 2.5 TON	2.5 - 3 TON	LBT1 - Administrative Offices and Bus Maintenance	Utility closet	Carrier	FB4CNP024	3616A88509		2016	
31	3290356	D3030	**Split System**	Fan Coil Unit, DX, 3.5 to 5 TON	4 Tons	LBT1 - Administrative Offices and Bus Maintenance	Utility closet	Carrier	FB4ANF048	2199A29317		1999	
32	3290343	D3030	**Split System**	Fan Coil Unit, DX, 3.5 to 5 TON	5 TON	LBT1 - Administrative Offices and Bus Maintenance	Utility closet	Carrier	FC4DNF060	0208A85747		2008	
33	3290326	D3030	**Split System Ductless**	Single Zone	1 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof						
34	3290336	D3030	**Split System Ductless**	Single Zone	2 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof						6
35	3315784	D3030	**Split System Ductless**	Single Zone, 0.75 to 1 TON		LBT2 - Administrative Office Building (TDSP)	Roof						
36	3315862	D3030	**Split System Ductless**	Single Zone, 1 TON		LBT2 - Bus Maintenance Service Garage Building	Roof	Fujitsu	AOU1200	BDN01944		2004	
37	3315807	D3030	**Split System Ductless**	Single Zone, 2.5 to 3 TON		LBT2 - Administrative Office Building (TDSP)	Roof						
38	3281328	D3050	**Fan Coil Unit**	Hydronic Terminal	801 - 1200 CFM	LBTCO - Administration Office Building	Throughout building					2016	8
39	3281302	D3050	**Pump**	Distribution, HVAC Chilled or Condenser Water	25 HP	LBTCO - Administration Office Building	Chiller room					2016	2
40	3281398	D3050	**Pump**	Distribution, HVAC Chilled or Condenser Water	15 HP	LBTCO - Administration Office Building	Chiller room					2016	2
41	3281353	D3050	**Pump**	Distribution, HVAC Chilled or Condenser Water	5 HP	LBTCO - Administration Office Building	Roof					2016	
42	3281388	D3050	**Pump**	Distribution, HVAC Heating Water	7.5 HP	LBTCO - Administration Office Building	Boiler room		26957-133101-0742	61613401A		2013	2

43	3315814 D3050	Pump	Distribution, Water, 4 to 5 HP		LBT2 - Site	Bus wash				
44	3290371 D3050	Air Handler	Interior AHU, Easy/Moderate Access	250 CFM	LBT1 - Administrative Offices and Bus Maintenance	Utility room				
45	3281345 D3050	Air Handler	Interior AHU, Easy/Moderate Access	80000 CFM	LBTCO - Administration Office Building	Air handler-penthouse				1987 2
46	3290362 D3050	Air Handler	Interior AHU, Easy/Moderate Access	1000 CFM	LBT1 - Administrative Offices and Bus Maintenance	Mechanical room				
47	3290291 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	3 TON	LBT1 - Administrative Office Building (TDSP)	Roof				
48	3315853 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	8 TON	LBT2 - Bus Maintenance Service Garage Building	Roof		No tag/plate found	No tag/plate found	No tag/plate found
49	3315886 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	6 TON	LBT2 - Bus Maintenance Service Garage Building	Roof	Carrier	48HJD007	2808G10327	2008
50	3310010 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	3 TON	TVIC (Transit Visitor's Information Center)	Roof	Carrier			2009
51	3290342 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	2 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof				2005 2
52	3290295 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	6 TON	LBT1 - Administrative Office Building (TDSP)	Roof				
53	3315787 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	5 TON	LBT2 - Administrative Office Building (TDSP)	Roof				2008 6
54	3310023 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	3 TON	TVIC (Transit Visitor's Information Center)	Roof	Carrier			2009 3
55	3290294 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	10 TON	LBT1 - Administrative Office Building (TDSP)	Roof				2
56	3290289 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	4 TON	LBT1 - Administrative Office Building (TDSP)	Roof				2
57	3290286 D3050	Packaged Unit	RTU, Pad or Roof-Mounted	12 TON	LBT1 - Administrative Office Building (TDSP)	Roof				2
58	3290333 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	12 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	50HJQ16-610QA	1601F777170	2001
59	3315785 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 11 to 12.5 TON		LBT2 - Administrative Office Building (TDSP)	roof				2007
60	3290444 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 11 to 12.5 TON		12 LBT1 - General Purpose Facility (North Shops)	Roof				
61	3290374 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 3 TON	43TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	50HJQ004	0506G50508	3
62	3315770 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 3 TON		LBT2 - Administrative Office Building (TDSP)	Roof				2007
63	3290372 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON	4 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	50HJQ005	1798020592	1998
64	3315917 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON	4 TON	LBT2 - Bus Maintenance Service Garage Building	Roof	Carrier	48HJL005	1608G20274	2008
65	3348946 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON		LBT2 - Bus Maintenance Service Garage Building	Roof				
66	3348928 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON	4 TON	LBT2 - Bus Maintenance Service Garage Building	Roof	Carrier	48HJL005	Illegible	2008
67	3348929 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON	4 TON	LBT2 - Bus Maintenance Service Garage Building	Roof	Carrier	48HJL005	Illegible	2008
68	3315890 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON		LBT2 - Bus Maintenance Service Garage Building	Roof				
69	3348930 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON	4 TON	LBT2 - Bus Maintenance Service Garage Building	Roof	Carrier	48HJL005	Illegible	2008
70	3348947 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON		LBT2 - Bus Maintenance Service Garage Building	Roof				
71	3290395 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 5 TON	5 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	50HJQ006	3206G30721	2006
72	3290327 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 6 to 7.5 TON	7.5 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	50HJQ008	0608G11737	2006
73	3315789 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 6 to 7.5 TON		LBT2 - Administrative Office Building (TDSP)	Roof				2008
74	3290402 D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 8 to 10 TON	10 TON	LBT1 - Administrative Offices and Bus Maintenance	Roof	Carrier	50TCQD12	1215P97841	2015
75	3290373 D3050	Variable Air Volume Unit	VAV Box	100 - 400 CFM	LBT1 - Administrative Offices and Bus Maintenance	Utility room				9
76	3315827 D3060	Blower Fan	Fan, 0.5 HP Motor, 5000 CFM		LBT2 - Site	Bus was				5
77	3281343 D3060	Exhaust Fan	Centrifugal, 12" Damper	100 - 1000 CFM	LBTCO - Administration Office Building	Roof				2013 3
78	3290409 D3060	Exhaust Fan	Centrifugal, 16" Damper	1500 CFM	LBT1 - Administrative Offices and Bus Maintenance	Mechanical room	No tag/plate found	No tag/plate found	No tag/plate found	
79	3290406 D3060	Exhaust Fan	Centrifugal, 16" Damper	1500 CFM	LBT1 - Administrative Offices and Bus Maintenance	Roof				2
80	3281324 D3060	Exhaust Fan	Centrifugal, 16" Damper	1001 - 2000 CFM	LBTCO - Administration Office Building	Roof				2013 2
81	3281390 D3060	Exhaust Fan	Centrifugal, 24" Damper	2001 - 5000 CFM	LBTCO - Administration Office Building	Elevator				2003
82	3290411 D3060	Exhaust Fan	Centrifugal, 24" Damper, 2001 to 5000 CFM	1000 CFM	LBT1 - Fuel Island	Fuel island	No tag/plate found	No tag/plate found	No tag/plate found	
83	3290338 D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	75 CFM	LBT1 - Administrative Offices and Bus Maintenance	Roof				3
84	3290307 D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	100 CFM	LBT1 - Administrative Office Building (TDSP)	Roof				
85	3315802 D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	100 CFM	LBT2 - Administrative Office Building (TDSP)	Roof				3
86	3290377 D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	200 CFM	LBT1 - Administrative Offices and Bus Maintenance	Roof				
87	3290429 D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM		250 LBT1 - General Purpose Facility (North Shops)	Roof				3
88	3290426 D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM		100 LBT1 - General Purpose Facility (North Shops)	Roof				
89	3290359 D3060	Exhaust Fan	Roof or Wall-Mounted, 12" Damper	750 CFM	LBT1 - Administrative Offices and Bus Maintenance	Roof				15
90	3290428 D3060	Exhaust Fan	Roof or Wall-Mounted, 12" Damper, 501 to 1000 CFM		750 LBT1 - General Purpose Facility (North Shops)	Roof				3
91	3290309 D3060	Exhaust Fan	Roof or Wall-Mounted, 16" Damper	1500 CFM	LBT1 - Administrative Offices and Bus Maintenance	Roof				
92	3315908 D3060	Exhaust Fan	Roof or Wall-Mounted, 16" Damper, 1001 to 2000 CFM		LBT2 - Bus Maintenance Service Garage Building	Roof		Illegible	Illegible	2003
93	3315836 D3060	Exhaust Fan	Roof or Wall-Mounted, 16" Damper, 1001 to 2000 CFM		LBT2 - Bus Maintenance Service Garage Building	Roof				2003 8
94	3290328 D3060	Exhaust Fan	Roof or Wall-Mounted, 24" Damper	2500 CFM	LBT1 - Fuel Island	Fuel island				4

95	3290440	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 24" Damper, 2001 to 5000 CFM		3000	LBT1 - General Purpose Facility (North Shops)	Roof					
96	3315879	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 24" Damper, 2001 to 5000 CFM			LBT2 - Bus Maintenance Service Garage Building	Roof	Loren Cook	90ASP		2003	
97	3315870	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 24" Damper, 2001 to 5000 CFM			LBT2 - Bus Maintenance Service Garage Building	Roof	Loren Cook	24-EF76		2003	
98	3315838	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 24" Damper, 2001 to 5000 CFM			LBT2 - Bus Maintenance Service Garage Building	Roof	Loren Cook	24 EF		2003	2
99	3290322	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 28" Damper	6000 CFM		LBT1 - Administrative Offices and Bus Maintenance	Roof					2
100	3315858	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 42" Damper, 15001 to 20000 CFM			LBT2 - Bus Maintenance Service Garage Building	Roof	Cook	225 ACE	138SE80519-00/0029202	2013	14

D40 Fire Protection

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3281363	D4010	**Backflow Preventer**	Fire Suppression	6 IN	LBTCO - Administration Office Building	Fire Pump Room				2007		
2	3290280	D4010	**Backflow Preventer**	Fire Suppression	2 IN	LBT1 - Site	Site - Admin Bldg						
3	3281357	D4010	**Pump**	Fire Suppression	100 HP	LBTCO - Administration Office Building	Fire Pump Room				2007		
4	3281300	D4010	**Pump**	Fire Suppression	3 HP	LBTCO - Administration Office Building	Fire Pump Room				2007		
5	3281314	D4010	**Supplemental Components**	Fire Pump Controller		LBTCO - Administration Office Building	Fire Pump Room				2007		
6	3360506	D4030	**Fire Extinguisher**	Type ABC, up to 20 LB		LBT1 - General Purpose Facility (North Shops)							4
7	3281424	D4030	**Fire Extinguisher**	Type ABC, up to 20 LB		LBTCO - Administration Office Building	Throughout building				2020		32
8	3287748	D4030	Fire Extinguisher	Wet Chemical/CO2		* Long Beach Shadow Aren 9/11/2021 6:27 PM	Throughout building						

D50 Electrical

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3281323	D5010	**Generator**	Diesel	350 KW	LBTCO - Administration Office Building	Site				1987		
2	3315791	D5010	**Generator**	Diesel, 125 KW		LBT2 - Site	Site				2010		
3	3290349	D5010	**Generator**	Diesel, 65 to 125 KW	80 KW	LBT1 - Administrative Offices and Bus Maintenance	Work floor						
4	3315854	D5010	**Generator**	Diesel,1000 KW		LBT2 - Site	Site	Caterpillar	E2600121	G1F02250			
5	3315799	D5010	**Generator**	Diesel,400 KW		LBT2 - Site	Site				2009		
6	3281381	D5010	**Uninterruptible Power Supply**	UPS	100 KVA	LBTCO - Administration Office Building	Data processing - 1st floor				2013		
7	3290398	D5010	**Uninterruptible Power Supply**	UPS, 75 KVA	10 TON	LBT1 - Administrative Offices and Bus Maintenance	Data Center						
8	3360065	D5010	**Automatic Transfer Switch**	ATS, 400 AMP		LBT2 - Administrative Office Building (TDSP)	Electrical room						
9	3360064	D5010	**Automatic Transfer Switch**	ATS, 600 AMP		LBT2 - Administrative Office Building (TDSP)	Electrical room						
10	3348646	D5010	**Automatic Transfer Switch**	ATS, 600 AMP		LBT1 - Administrative Offices and Bus Maintenance	Electrical room						
11	3281326	D5010	**Automatic Transfer Switch**	ATS	1000 AMP	LBTCO - Administration Office Building	Electrical room				1987		
12	3281410	D5010	**Automatic Transfer Switch**	ATS	1000 AMP	LBTCO - Administration Office Building	Electrical room				1987		
13	3281384	D5010	**Automatic Transfer Switch**	ATS	1000 AMP	LBTCO - Administration Office Building	Electrical room				1987		
14	3290415	D5010	**Automatic Transfer Switch**	ATS	1000 AMP	LBT1 - Administrative Offices and Bus Maintenance	Electrical room						
15	3315913	D5010	**Automatic Transfer Switch**	ATS, 1000 AMP		LBT2 - Bus Maintenance Service Garage Building	Electrical room	Cutler-Hammer	No tag/plate found	No tag/plate found	2010		
16	3315881	D5010	**Automatic Transfer Switch**	ATS, 1200 AMP		LBT2 - Site	Site	Zenith	No tag/plate found	No tag/plate found			
17	3281335	D5020	**Secondary Transformer**	Dry, Stepdown	45 KVA	LBTCO - Administration Office Building	Electrical room				1987		3
18	3290302	D5020	**Secondary Transformer**	Dry, Stepdown	75 KVA	LBT1 - Administrative Office Building (TDSP)	Utility closet						
19	3281339	D5020	**Secondary Transformer**	Dry, Stepdown	30 KVA	LBTCO - Administration Office Building	Electrical room				1987		2
20	3287736	D5020	**Secondary Transformer**	Dry, Stepdown	45 KVA	* Long Beach Shadow Aren 9/11/2021 6:27 PM	5th Floor Electrical Room						
21	3281344	D5020	**Secondary Transformer**	Dry, Stepdown	75 KVA	LBTCO - Administration Office Building	Electrical room				1987		
22	3281406	D5020	**Secondary Transformer**	Dry, Stepdown	15 KVA	LBTCO - Administration Office Building	Electrical room-2nd floor				1987		
23	3281338	D5020	**Secondary Transformer**	Dry, Stepdown	500 KVA	LBTCO - Administration Office Building	Electrical room				1987		
24	3290364	D5020	**Secondary Transformer**	Dry, Stepdown	75 KVA	LBT1 - Administrative Offices and Bus Maintenance	Electrical room						
25	3348502	D5020	**Secondary Transformer**	Dry, Stepdown, 15 KVA		LBT1 - Administrative Offices and Bus Maintenance	Garage	Inaccessible	Inaccessible	Inaccessible			
26	3290379	D5020	**Secondary Transformer**	Dry, Stepdown, 30 KVA	75 KVA	LBT1 - Fuel Island	Fuel Island						
27	3315828	D5020	**Secondary Transformer**	Dry, Stepdown, 30 KVA		LBT2 - Site	Site	Cutler-Hammer	V48M28T30CU	V30012	2003		
28	3290393	D5020	**Secondary Transformer**	Dry, Stepdown, 30 KVA		LBT1 - Administrative Offices and Bus Maintenance	Garage	Inaccessible	Inaccessible	Inaccessible			
29	3315794	D5020	**Secondary Transformer**	Dry, Stepdown, 75 KVA		LBT2 - Administrative Office Building (TDSP)	Building exterior						2
30	3315929	D5020	**Secondary Transformer**	Dry, Stepdown, 75 KVA		LBT2 - Bus Maintenance Service Garage Building	Garage	Inaccessible	Inaccessible	Inaccessible			
31	3315842	D5020	**Secondary Transformer**	Dry, Stepdown, 75 KVA		LBT2 - Bus Maintenance Service Garage Building	Garage	Inaccessible	Inaccessible	Inaccessible			
32	3315873	D5020	**Secondary Transformer**	Dry, Stepdown, 75 KVA		LBT2 - Bus Maintenance Service Garage Building	Garage						
33	3315896	D5020	**Secondary Transformer**	Dry, Stepdown, 75 KVA		LBT2 - Bus Maintenance Service Garage Building	Garage	Cutler-Hammer	Inaccessible	Inaccessible	2003		
34	3281386	D5020	**Switchboard**	120/208 V	1600 AMP	LBTCO - Administration Office Building	Electrical room				1987		

35	3290388	D5020	**Switchboard**	277/480 V	1000 AMP	LBT1 - Administrative Offices and Bus Maintenance	Electrical room					
36	3281309	D5020	**Switchboard**	277/480 V	400 AMP	LBTCO - Administration Office Building	Elevator				1987	
37	3281352	D5020	**Switchboard**	277/480 V	4000 AMP	LBTCO - Administration Office Building	Electrical room				1987	
38	3281399	D5020	**Switchboard**	277/480 V	1600 AMP	LBTCO - Administration Office Building	Electrical room-penthouse				1987	
39	3290418	D5020	**Switchboard**	277/480 V	1600 AMP	LBT1 - Administrative Offices and Bus Maintenance	Electrical room					2
40	3290417	D5020	**Switchboard**	277/480 V	2500 AMP	LBT1 - Administrative Offices and Bus Maintenance	Electrical room					
41	3290401	D5020	**Switchboard**	277/480 V, 1600 AMP		LBT1 - Administrative Offices and Bus Maintenance	Garage	General Electric	UL7N5253S	150760027-0010		5
42	3315927	D5020	**Switchboard**	277/480 V, 1600 AMP		LBT2 - Bus Maintenance Service Garage Building	Electrical room	Cutler-Hammer			2003	
43	3315920	D5020	**Switchboard**	277/480 V, 1600 AMP		LBT2 - Bus Maintenance Service Garage Building	Electrical room	Cutler-Hammer			1998	
44	3315903	D5020	**Switchboard**	277/480 V, 2000 AMP	2500 AMP	LBT2 - Bus Maintenance Service Garage Building	Site	General Electric	480NBGLE	178SB14220E01		
45	3315798	D5020	**Switchboard**	277/480 V, 400 AMP		LBT2 - Administrative Office Building (TDSP)	Electrical room				1998	2
46	3290320	D5020	**Switchboard**	277/480 V, 4000 AMP		LBT1 - Administrative Offices and Bus Maintenance	Roof	General Electric	UL7N5253S	150760027-0010		
47	3310011	D5020	**Distribution Panel**	120/208 V	200 AMP	TVIC (Transit Visitor's Information Center)	Throughout building				2009	
48	3281342	D5020	**Distribution Panel**	120/240 V	400 AMP	LBTCO - Administration Office Building	Data processing - 1st floor				2013	
49	3315866	D5020	**Distribution Panel**	120/240 V, 200 AMP	225 AMP	LBT2 - Bus Maintenance Service Garage Building	Garage	Cutler-Hammer	PRL3A	HLA57007 033		
50	3315923	D5020	**Distribution Panel**	120/240 V, 400 AMP		LBT2 - Bus Maintenance Service Garage Building	Garage	Cutler-Hammer	PRL2A	1C96652G02	2003	
51	3281317	D5020	**Distribution Panel**	277/480 V	400 AMP	LBTCO - Administration Office Building	Electrical room				2002	
52	3281349	D5020	**Distribution Panel**	277/480 V	800 AMP	LBTCO - Administration Office Building	Electrical room				1987	
53	3315817	D5020	**Distribution Panel**	277/480 V, 400 AMP		LBT2 - Site	Bus wash	General Electric	ADF3424TB	162DDD59113		
54	3315797	D5020	**Distribution Panel**	277/480 V, 400 AMP		LBT2 - Administrative Office Building (TDSP)	Electrical room					
55	3315781	D5020	**Distribution Panel**	277/480 V, 400 AMP		LBT2 - Administrative Office Building (TDSP)	Electrical room					
56	3281370	D5020	**Motor Control Center**	w/ Main Breaker	800 AMP	LBTCO - Administration Office Building	Electrical room-penthouse				1987	
57	3290369	D5020	**Motor Control Center**	w/ Main Breaker, 2000 AMP		LBT1 - Administrative Offices and Bus Maintenance	Garage					
58	3315889	D5020	**Motor Control Center**	w/ Main Breaker, 600 AMP		LBT2 - Bus Maintenance Service Garage Building	Electrical room					
59	3315822	D5030	**Motor**	Motor, Pump, 15 HP		LBT2 - Site	Site	Nidec Motor Corporation	FL43	UJ15P1DFP		
60	3281310	D5030	**Variable Frequency Drive**	VFD, by HP of Motor	15 HP	LBTCO - Administration Office Building	Chiller room				2016	2
61	3281415	D5030	**Variable Frequency Drive**	VFD, by HP of Motor	40 HP	LBTCO - Administration Office Building	Air handler-penthouse				2001	
62	3281402	D5030	**Variable Frequency Drive**	VFD, by HP of Motor	25 HP	LBTCO - Administration Office Building	Chiller room				2016	2
63	3281404	D5030	**Variable Frequency Drive**	VFD, by HP of Motor	125 HP	LBTCO - Administration Office Building	Air handler-penthouse				2001	2
64	3281401	D5030	**Variable Frequency Drive**	VFD, by HP of Motor	5 HP	LBTCO - Administration Office Building	2nd floor pump room				2013	2
65	3281405	D5030	**Variable Frequency Drive**	VFD, by HP of Motor	25 HP	LBTCO - Administration Office Building	Roof	ABB			2016	2
66	3281354	D5040	**Emergency & Exit Lighting**	Exit Sign, LED		LBTCO - Administration Office Building	Throughout building				2016	84
67	3281419	D5040	**Standard Fixture w/ Lamp**	any type, w/ LED Replacement	100 W	LBTCO - Administration Office Building	Building exterior				2016	6
68	3310008	D5040	**Standard Fixture w/ Lamp**	any type, w/ LED Replacement	100 W	TVIC (Transit Visitor's Information Center)	Building exterior					19
69	3281374	D5040	**Standard Fixture w/ Lamp**	any type, w/ LED Replacement	100 W	LBTCO - Administration Office Building	Building exterior				2016	6
70	3315843	D5040	**Standard Fixture w/ Lamp**	any type, w/ LED Replacement, 100 W		LBT2 - Bus Maintenance Service Garage Building	Building exterior				2003	16

D70 Electronic Safety & Security

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3360518	D7050	**Fire Alarm Panel**	Multiplex		LBT1 - General Purpose Facility (North Shops)							
2	3390158	D7050	**Fire Alarm Panel**	Multiplex		LBT1 - Administrative Office Building (TDSP)	Elect Room				1995		
3	3281320	D7050	**Fire Alarm Panel**	Fully Addressable		LBTCO - Administration Office Building	Data processing - 1st floor				2013		
4	3281425	D7050	**Fire Alarm Panel**	Fully Addressable		LBTCO - Administration Office Building	Fire Control Room				2002		
5	3315850	D7050	**Fire Alarm Panel**	Fully Addressable		LBT2 - Bus Maintenance Service Garage Building	Corridor						
6	3290352	D7050	**Fire Alarm Panel**	Fully Addressable		LBT1 - Administrative Offices and Bus Maintenance	Throughout building						
7	3315777	D7050	**Fire Alarm Panel**	Fully Addressable		LBT2 - Administrative Office Building (TDSP)	Office						
8	3290347	D7050	**Fire Alarm Panel**	Multiplex		LBT1 - Administrative Offices and Bus Maintenance	Garage						
9	3310001	D7050	**Fire Alarm Panel**	**Multiplex**		TVIC (Transit Visitor's Information Center)	Throughout building				2009		

E10 Equipment

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3315801	E1010	**Charging Station**	Electric Vehicle, Single Connection		LBT2 - Site	Site						
2	3290310	E1010	**Vehicle Lift, Two Post**	In-Ground	70000 LB	LBT1 - Administrative Offices and Bus Maintenance	Work floor						10
3	3290361	E1030	**Laundry Equipment**	Dryer, Commercial	30 LB	LBT1 - Fuel Island	Fuel island						

4	3315901	E1030	**Laundry Equipment**	Dryer, Commercial, 51 to 75 LB		LBT2 - Bus Maintenance Service Garage Building	Garage	Unimac	No tag/plate found	No tag/plate found		
5	3290384	E1030	**Laundry Equipment**	Washer, Commercial	25 LB	LBT1 - Fuel Island	Fuel island					
6	3315910	E1030	**Laundry Equipment**	Washer, Commercial, 51 to 60 LB		LBT2 - Bus Maintenance Service Garage Building	Garage					
7	3315898	E1040	**Healthcare Equipment**	Defibrillator (AED), Cabinet-Mounted		LBT2 - Bus Maintenance Service Garage Building	Garage					3
8	3290282	E1040	**Healthcare Equipment**	Defibrillator (AED), Cabinet-Mounted		LBT1 - Administrative Office Building (TDSP)						6
9	3315803	E1040	**Healthcare Equipment**	Defibrillator (AED), Cabinet-Mounted		LBT2 - Administrative Office Building (TDSP)	Office					2

G30 Liquid & Gas Site Utilities

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3372597	G3060	**Pump**	Gasoline Fuel Dispenser		LBT2 - Site	Site						4
2	3372252	G3060	**Pump**	Gasoline Fuel Dispenser		LBT1 - Fuel Island	Site						2
3	3315874	G3060	**Pump**	Compressed Natural Gas (CNG) Pump Equipment		LBT2 - Bus Maintenance Service Garage Building	Garage	ANGI	EF-050-2-B-1-52	SER010756/30941-06			2
4	3315883	G3060	**Pump**	Diesel Fuel Dispenser		LBT2 - Bus Maintenance Service Garage Building	Fuel Island						2
5	3315844	G3060	**Pump**	Gasoline Fuel Dispenser		LBT2 - Bus Maintenance Service Garage Building	Gas station						2
6	3290319	G3060	**Pump**	Gasoline Fuel Dispenser		LBT1 - Fuel Island	Fuel Island						2
7	3290423	G3060	**Refrigerant Reclamation System**	Pump		LBT1 - General Purpose Facility (North Shops)							
8	3372601	G3060	**Storage Tank**	Site Fuel, Underground, 20000 GAL		LBT2 - Site	Site						
9	3372603	G3060	**Storage Tank**	Site Fuel, Underground, 20000 GAL		LBT2 - Site	Site						
10	3372592	G3060	**Storage Tank**	Site Fuel, Underground, 4000 GAL		LBT2 - Site	Site						
11	3372586	G3060	**Storage Tank**	Vehicle Fluids Underground, 1000 GAL		LBT2 - Site	Site Generator						3

Appendix D:
Building Term Ratings

TERM Rating Calculation Sheet - LBT1 - Administrative Office and Bus Maintenance

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT1 - Administrative Offices and Bus Maintenance+3:39 A	Substructure	Foundation System	A1011	Concrete or CMU Walls w/ Continuous Footings	Throughout	3372095	4	1,155	LF	$ 131.76	$ 152,182.80	$ 608,731.20	$3,541,371	4.00	4	$10,075,203	3.33	4
LBT1 - Administrative Offices and Bus Maintenance	Substructure	Structural Framing	B1011	Steel Columns & Beams	Throughout	3372097	4	25,900	SF	$ 38.43	$ 995,337.00	$ 3,981,348.00						
LBT1 - Administrative Offices and Bus Maintenance	Substructure	Structural Framing	B1011	Masonry (CMU) Bearing Walls	Throughout	3372098	4	19,700	SF	$ 30.74	$ 605,656.80	$ 2,422,627.20						
LBT1 - Administrative Offices and Bus Maintenance	Substructure	Roof Structure	B1021	Flat, Metal Deck Over Bar Joists	Throughout	3372096	4	58,164	SF	$ 30.74	$ 1,788,194.02	$ 7,152,776.05						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Window	B2021	Aluminum Double-Glazed, 16-25 SF	Building exterior	3290325	3	18	EA	$ 1,043.10	$ 18,775.80	$ 56,327.40						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Exterior Door	B2051	Steel, Standard	Building exterior	3348796	3	4	EA	$ 658.80	$ 2,635.20	$ 7,905.60	$1,617,991	2.85	3			
LBT1 - Administrative Offices and Bus Maintenance	Shell	Exterior Door	B2051	Aluminum-Framed & Glazed, Standard Swing	Building exterior	3348797	3	2	EA	$ 1,427.40	$ 2,854.80	$ 8,564.40						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Overhead/Dock Door	B2053	Aluminum, 12'x12' (144 SF)	Garage	3290339	3	1	EA	$ 4,831.20	$ 4,831.20	$ 14,493.60						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Overhead/Dock Door	B2053	Steel, 20'x20' (400 SF)	Work floor	3290380	3	3	EA	$ 9,882.00	$ 29,646.00	$ 88,938.00						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Overhead/Dock Door	B2053	Steel, 12'x12' (144 SF)	Work floor	3290413	3	1	EA	$ 3,513.60	$ 3,513.60	$ 10,540.80						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Roofing	B3015	Modified Bitumen	Roof	3290376	3	58,164	SF	$ 10.98	$ 638,640.72	$ 1,915,922.16						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Roofing	B3015	any type, Repairs per Man-Day	Roof	3290316	2	200	EA	$ 1,207.80	$ 241,560.00	$ 483,120.00						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Roofing	B3015	Modified Bitumen	Roof	3290397	3	58,164	SF	$ 10.98	$ 638,640.72	$ 1,915,922.16						
LBT1 - Administrative Offices and Bus Maintenance	Shell	Roof Skylight	B3061	per unit, up to 20 SF	Roof	3290382	3	39	EA	$ 1,427.40	$ 55,668.60	$ 167,005.80						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Interior Door	C1031	Wood, Solid-Core	Office	3290366	3	28	EA	$ 768.60	$ 21,520.80	$ 64,562.40	$728,244	3.00	3			
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Interior Door	C1031	Steel, Standard	Throughout building	3290321	3	53	EA	$ 658.80	$ 34,916.40	$ 104,749.20						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Door Hardware	C1039	Office, per Door	Throughout	3290337	3	28	EA	$ 384.30	$ 10,760.40	$ 32,281.20						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Raised Floors	C1061	Access Flooring, w/ Laminate	Data Room	3348640	3	200	SF	$ 34.04	$ 6,807.60	$ 20,422.80						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Suspended Ceilings	C1071	Acoustical Tile (ACT)	Throughout building	3290332	3	1,000	SF	$ 3.84	$ 3,843.00	$ 11,529.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Toilet Partitions	C1094	Metal	Restrooms	3290345	3	5	EA	$ 933.30	$ 4,666.50	$ 13,999.50						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Toilet Partitions	C1094	Plastic/Laminate	Restrooms	3290353	3	10	EA	$ 823.50	$ 8,235.00	$ 24,705.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Wall Finishes	C2011	Ceramic Tile	Restrooms	3290389	3	500	SF	$ 19.76	$ 9,882.00	$ 29,646.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Wall Finishes	C2011	Ceramic Tile	Restrooms	3290315	3	2,000	SF	$ 19.76	$ 39,528.00	$ 118,584.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Wall Finishes	C2017	any surface	Throughout building	3290308	3	40,000	SF	$ 1.65	$ 65,880.00	$ 197,640.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Flooring	C2031	any surface, w/ Paint or Sealant	Bus Maintence	3348799	3	38,500	SF	$ 1.65	$ 63,409.50	$ 190,228.50						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Flooring	C2031	any surface, w/ Paint or Sealant	Throughout building	3290350	3	58,164	SF	$ 1.65	$ 95,796.11	$ 287,388.32						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Flooring	C2032	Ceramic Tile	Restroom	3290363	3	200	SF	$ 19.76	$ 3,952.80	$ 11,858.40						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Flooring	C2032	Ceramic Tile	Restrooms	3290416	3	4,000	SF	$ 19.76	$ 79,056.00	$ 237,168.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Flooring	C2035	Vinyl Tile (VCT)	Break room	3290414	3	4,000	SF	$ 5.49	$ 21,960.00	$ 65,880.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Flooring	C2037	Carpet, Commercial Standard	Hallways	3290348	3	18,000	SF	$ 8.24	$ 148,230.00	$ 444,690.00						
LBT1 - Administrative Offices and Bus Maintenance	Interiors	Ceiling Finishes	C2057	any flat surface	Throughout building	3290404	3	50,000	SF	$ 2.20	$ 109,800.00	$ 329,400.00						
LBT1 - Administrative Offices and Bus Maintenance	Conveyance	Elevator Cab Finishes	D1011	Standard	Elevator	3348577	3	1	EA	$ 9,882.00	$ 9,882.00	$ 29,646.00	$75,762	3.00	3			
LBT1 - Administrative Offices and Bus Maintenance	Conveyance	Elevator Controls	D1011	Automatic, 1 Car	Elevator	3348576	3	1	EA	$ 5,490.00	$ 5,490.00	$ 16,470.00						
LBT1 - Administrative Offices and Bus Maintenance	Conveyance	Passenger Elevator	D1011	Hydraulic, 2 Floors	Elevator room	3290346	3	1	EA	$ 60,390.00	$ 60,390.00	$ 181,170.00						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Water Heater	D2012	Electric, Instant Hot	Break room	3290391	3	1	EA	$ 549.00	$ 549.00	$ 1,647.00	$93,566	3.49	4			
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Water Heater	D2012	Gas, Commercial (200 MBH), 100 to 199 GAL	Utility room	3290323	3	1	EA	$ 18,226.80	$ 18,226.80	$ 54,680.40						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Backflow Preventer	D2014	Domestic Water, 4 IN	Building exterior	3290331	3	1	EA	$ 7,246.80	$ 7,246.80	$ 21,740.40						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Toilet	D2016	Commercial Water Closet	Restrooms	3290386	4	15	EA	$ 1,427.40	$ 21,411.00	$ 85,644.00						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Drinking Fountain	D2016	Wall-Mounted, Single-Level	Throughout building	3290367	3	2	EA	$ 1,449.36	$ 2,898.72	$ 8,696.16						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Sink/Lavatory	D2016	Vanity Top, Enameled Steel	Break room	3290351	3	1	EA	$ 1,207.80	$ 1,207.80	$ 3,623.40						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Sink/Lavatory	D2016	Drop-In Style, Enameled Steel	Restrooms	3290385	4	7	EA	$ 1,207.80	$ 8,454.60	$ 33,818.40						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Urinal	D2016	Standard	Restrooms	3290370	4	5	EA	$ 1,207.80	$ 6,039.00	$ 24,156.00						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Emergency Plumbing Fixtures	D2016	Eye Wash & Shower Station	Work floor	3290360	3	2	EA	$ 2,525.40	$ 5,050.80	$ 15,152.40						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Sink/Lavatory	D2016	Vanity Top, Solid Surface or Vitreous China	Restrooms	3290340	3	1	EA	$ 1,207.80	$ 1,207.80	$ 3,623.40						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	Sink/Lavatory	D2016	Trough Style, Solid Surface	Throughout building	3290405	4	3	EA	$ 3,431.25	$ 10,293.75	$ 41,175.00						
LBT1 - Administrative Offices and Bus Maintenance	Plumbing	ADA Restrooms	Y1051	Shower/Tub, Full Reconfiguration	Restrooms	3290408	3	2	EA	$ 5,490.00	$ 10,980.00	$ 32,940.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Boiler	D3021	Gas, HVAC	Mechanical room	3290317	3	1	EA	$ 66,319.20	$ 66,319.20	$ 198,957.60	$779,532	3.00	3			
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Infrared Heater	D3027	Gas-Fired Tubular, 20 LF, 40 MBH	Work floor	3290355	3	6	EA	$ 3,403.80	$ 20,422.80	$ 61,268.40						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Chiller	D3031	Air-Cooled	Roof	3290324	3	1	EA	$ 31,073.40	$ 31,073.40	$ 93,220.20						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Condensing Unit/Heat Pump, 31 to 50 TON	Roof	3290330	3	1	EA	$ 65,880.00	$ 65,880.00	$ 197,640.00						

TERM Rating Calculation Sheet - LBT1 - Administrative Office and Bus Maintenance

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System Ductless	D3037	Single Zone	Roof	3290326	3	1	EA	$ 3,843.00	$ 3,843.00	$ 11,529.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Fan Coil Unit, DX, 3.5 to 5 TON	Utility closet	3290356	3	1	EA	$ 5,050.80	$ 5,050.80	$ 15,152.40						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Condensing Unit/Heat Pump	Roof	3290394	3	1	EA	$ 4,172.40	$ 4,172.40	$ 12,517.20						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Condensing Unit/Heat Pump, 3.5 TON	Roof	3290354	3	1	EA	$ 5,050.80	$ 5,050.80	$ 15,152.40						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Fan Coil Unit, DX, 2 to 2.5 TON	Utility closet	3290344	3	1	EA	$ 3,294.00	$ 3,294.00	$ 9,882.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System Ductless	D3037	Single Zone	Roof	3290336	3	6	EA	$ 5,270.40	$ 31,622.40	$ 94,867.20						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Fan Coil Unit, DX, 3.5 to 5 TON	Utility closet	3290343	3	1	EA	$ 5,050.80	$ 5,050.80	$ 15,152.40						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Condensing Unit/Heat Pump	Roof	3290314	3	3	EA	$ 2,525.40	$ 7,576.20	$ 22,728.60						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Split System	D3037	Condensing Unit/Heat Pump	Roof	3290410	3	1	EA	$ 4,392.00	$ 4,392.00	$ 13,176.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Computer Room AC Unit	D3037	Air-Cooled, Condenser & CRAC Cabinet, 4 to 5 TON	Data center	3348639	3	1	EA	$ 39,528.00	$ 39,528.00	$ 118,584.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Air Handler	D3055	Interior AHU, Easy/Moderate Access	Utility room	3290371	3	1	EA	$ 3,952.80	$ 3,952.80	$ 11,858.40						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	Roof	3290333	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 4 TON	Roof	3290372	3	1	EA	$ 9,882.00	$ 9,882.00	$ 29,646.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 6 to 7.5 TON	Roof	3290327	3	1	EA	$ 16,470.00	$ 16,470.00	$ 49,410.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 3 TON	Roof	3290374	3	3	EA	$ 8,235.00	$ 24,705.00	$ 74,115.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 8 to 10 TON	Roof	3290402	3	1	EA	$ 21,960.00	$ 21,960.00	$ 65,880.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Air Handler	D3055	Interior AHU, Easy/Moderate Access	Mechanical room	3290362	3	1	EA	$ 10,101.60	$ 10,101.60	$ 30,304.80						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3290342	3	2	EA	$ 6,039.00	$ 12,078.00	$ 36,234.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 5 TON	Roof	3290395	3	1	EA	$ 12,078.00	$ 12,078.00	$ 36,234.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	HVAC System	D3055	Ductwork, Medium Density	Throughout building	3290396	3	58,164	SF	$ 4.39	$ 255,456.29	$ 766,368.86						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Variable Air Volume Unit	D3055	VAV Box	Utility room	3290373	3	9	EA	$ 4,941.00	$ 44,469.00	$ 133,407.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 10" Damper	Roof	3290338	3	3	EA	$ 1,317.60	$ 3,952.80	$ 11,858.40						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Exhaust Fan	D3063	Centrifugal, 16" Damper	Mechanical room	3290409	3	1	EA	$ 2,635.20	$ 2,635.20	$ 7,905.60						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Exhaust Fan	D3063	Centrifugal, 16" Damper	Roof	3290406	3	2	EA	$ 2,635.20	$ 5,270.40	$ 15,811.20						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 28" Damper	Roof	3290322	3	2	EA	$ 4,392.00	$ 8,784.00	$ 26,352.00						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 16" Damper	Roof	3290309	3	1	EA	$ 2,635.20	$ 2,635.20	$ 7,905.60						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 10" Damper	Roof	3290377	3	1	EA	$ 1,317.60	$ 1,317.60	$ 3,952.80						
LBT1 - Administrative Offices and Bus Maintenance	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 12" Damper	Roof	3290359	3	15	EA	$ 1,537.20	$ 23,058.00	$ 69,174.00						
LBT1 - Administrative Offices and Bus Maintenance	Fire Protection	Fire Suppression System	D4011	Full System Install/Retrofit, Medium Density/Complexity	Throughout	3290387	3	58,164	SF	$ 5.49	$ 319,320.36	$ 957,961.08	$319,320	3.00	3			
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Generator	D5011	Diesel, 65 to 125 KW	Work floor	3290349	3	1	EA	$ 63,684.00	$ 63,684.00	$ 191,052.00	$1,933,304	3.00	3			
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Uninterruptible Power Supply	D5012	UPS, 75 KVA	Data Center	3290398	3	1	EA	$ 41,724.00	$ 41,724.00	$ 125,172.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Automatic Transfer Switch	D5017	ATS, 600 AMP	Electrical room	3348646	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Automatic Transfer Switch	D5017	ATS	Electrical room	3290415	3	1	EA	$ 43,920.00	$ 43,920.00	$ 131,760.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Switchboard	D5021	277/480 V	Electrical room	3290388	3	1	EA	$ 57,096.00	$ 57,096.00	$ 171,288.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Switchboard	D5021	277/480 V, 4000 AMP	Roof	3290320	3	1	EA	$ 131,760.00	$ 131,760.00	$ 395,280.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Secondary Transformer	D5021	Dry, Stepdown, 15 KVA	Garage	3348502	3	1	EA	$ 6,588.00	$ 6,588.00	$ 19,764.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Switchboard	D5021	277/480 V, 1600 AMP	Garage	3290401	3	5	EA	$ 82,350.00	$ 411,750.00	$ 1,235,250.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Secondary Transformer	D5021	Dry, Stepdown	Electrical room	3290364	3	1	EA	$ 10,980.00	$ 10,980.00	$ 32,940.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Switchboard	D5021	277/480 V	Electrical room	3290418	3	2	EA	$ 82,350.00	$ 164,700.00	$ 494,100.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Secondary Transformer	D5021	Dry, Stepdown, 30 KVA	Garage	3290393	3	1	EA	$ 7,356.60	$ 7,356.60	$ 22,069.80						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Switchboard	D5021	277/480 V	Electrical room	3290417	3	1	EA	$ 108,702.00	$ 108,702.00	$ 326,106.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Motor Control Center	D5023	w/ Main Breaker, 2000 AMP	Garage	3290369	3	1	EA	$ 38,430.00	$ 38,430.00	$ 115,290.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Electrical System	D5031	Wiring & Switches, Average or Low Density/Complexity	Throughout	3290400	3	58,164	SF	$ 2.75	$ 159,660.18	$ 478,980.54						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Interior Lighting System	D5045	Full Upgrade, Medium Density & Standard Fixtures	Throughout	3348575	3	58,164	SF	$ 8.78	$ 510,912.58	$ 1,532,737.73						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Security/Surveillance System	D7031	Full System Upgrade, Average Density	Work floor	3290313	3	58,164	SF	$ 2.20	$ 127,728.14	$ 383,184.43						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Fire Alarm Panel	D7051	Multiplex	Garage	3290347	3	1	EA	$ 4,392.00	$ 4,392.00	$ 13,176.00						
LBT1 - Administrative Offices and Bus Maintenance	Electrical	Fire Alarm Panel	D7051	Fully Addressable	Throughout building	3290352	3	1	EA	$ 16,470.00	$ 16,470.00	$ 49,410.00						
LBT1 - Administrative Offices and Bus Maintenance	Equipment	Vehicle Lift, Two Post	E1011	In-Ground	Work floor	3290310	3	10	EA	$ 94,867.20	$ 948,672.00	$ 2,846,016.00	$967,338	3.00	3			
LBT1 - Administrative Offices and Bus Maintenance	Equipment	Crane	D1051	1 Ton	Bus Maintence	3348794	3	1	EA	$ 7,686.00	$ 7,686.00	$ 23,058.00						
LBT1 - Administrative Offices and Bus Maintenance	Equipment	Crane	D1051	2 Ton	Shop	3348795	3	1	EA	$ 10,980.00	$ 10,980.00	$ 32,940.00						

TERM Rating Calculation Sheet - LBT1 Administrative Office Building (TDSP)

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT1 - Administrative Office Building (TDSP)	Substructure	Foundation System	A1011	Concrete or CMU Walls w/ Continuous Footings	Throughout	3372082	4	427	LF	$ 131.76	$ 56,261.52	$ 225,046.08	$761,836	4.00	4	$1,895,499	3.40	3
LBT1 - Administrative Office Building (TDSP)	Substructure	Structural Framing	B1011	Steel Columns & Beams	Throughout	3372083	4	10,200	SF	$ 38.43	$ 391,986.00	$ 1,567,944.00						
LBT1 - Administrative Office Building (TDSP)	Substructure	Roof Structure	B1021	Flat, Metal Deck Over Bar Joists	Throughout	3372094	4	10,200	SF	$ 30.74	$ 313,588.80	$ 1,254,355.20						
LBT1 - Administrative Office Building (TDSP)	Shell	Window	B2021	Aluminum Double-Glazed, 16-25 SF	Building Exterior	3290278	3	12	EA	$ 1,043.10	$ 12,517.20	$ 37,551.60	$132,419	3.00	3			
LBT1 - Administrative Office Building (TDSP)	Shell	Exterior Door	B2051	Aluminum-Framed & Glazed, Standard Swing	Building exterior	3360247	3	4	EA	$ 1,427.40	$ 5,709.60	$ 17,128.80						
LBT1 - Administrative Office Building (TDSP)	Shell	Exterior Door	B2051	Steel, Standard	Building exterior	3360248	3	3	EA	$ 658.80	$ 1,976.40	$ 5,929.20						
LBT1 - Administrative Office Building (TDSP)	Shell	Roofing	B3015	Modified Bitumen	Roof	3290283	3	10,220	SF	$ 10.98	$ 112,215.60	$ 336,646.80						
LBT1 - Administrative Office Building (TDSP)	Interiors	Interior Door	C1031	Wood, Solid-Core	Throughout building	3290300	3	25	EA	$ 768.60	$ 19,215.00	$ 57,645.00	$158,112	3.00	3			
LBT1 - Administrative Office Building (TDSP)	Interiors	Suspended Ceilings	C1071	Acoustical Tile (ACT)	Throughout building	3290290	3	8,000	SF	$ 3.84	$ 30,744.00	$ 92,232.00						
LBT1 - Administrative Office Building (TDSP)	Interiors	Toilet Partitions	C1094	Plastic/Laminate	Restrooms	3290299	3	7	EA	$ 823.50	$ 5,764.50	$ 17,293.50						
LBT1 - Administrative Office Building (TDSP)	Interiors	Wall Finishes	C2011	Ceramic Tile	Restrooms	3290284	3	750	SF	$ 19.76	$ 14,823.00	$ 44,469.00						
LBT1 - Administrative Office Building (TDSP)	Interiors	Wall Finishes	C2017	any surface	Throughout	3360216	3	14,500	SF	$ 1.65	$ 23,881.50	$ 71,644.50						
LBT1 - Administrative Office Building (TDSP)	Interiors	Flooring	C2032	Ceramic Tile	Restrooms	3290296	3	1,000	SF	$ 19.76	$ 19,764.00	$ 59,292.00						
LBT1 - Administrative Office Building (TDSP)	Interiors	Flooring	C2035	Vinyl Tile (VCT)	Throughout building	3290288	3	5,000	SF	$ 5.49	$ 27,450.00	$ 82,350.00						
LBT1 - Administrative Office Building (TDSP)	Interiors	Flooring	C2037	Carpet, Commercial Standard	Throughout building	3290274	3	2,000	SF	$ 8.24	$ 16,470.00	$ 49,410.00						
LBT1 - Administrative Office Building (TDSP)	Plumbing	Water Heater	D2012	Electric, Residential	Utility closet	3290293	3	1	EA	$ 713.70	$ 713.70	$ 2,141.10	$152,995	3.00	3			
LBT1 - Administrative Office Building (TDSP)	Plumbing	Plumbing System	D2014	Supply & Sanitary, Medium Density (excludes fixture	Throughout building	3290298	3	10,220	SF	$ 12.08	$ 123,437.16	$ 370,311.48						
LBT1 - Administrative Office Building (TDSP)	Plumbing	Urinal	D2016	Standard	Restrooms	3290285	3	2	EA	$ 1,207.80	$ 2,415.60	$ 7,246.80						
LBT1 - Administrative Office Building (TDSP)	Plumbing	Sink/Lavatory	D2016	Vanity Top, Stainless Steel	Throughout building	3290304	3	2	EA	$ 1,317.60	$ 2,635.20	$ 7,905.60						
LBT1 - Administrative Office Building (TDSP)	Plumbing	Shower	D2016	Ceramic Tile	Restrooms	3290297	3	2	EA	$ 2,745.00	$ 5,490.00	$ 16,470.00						
LBT1 - Administrative Office Building (TDSP)	Plumbing	Sink/Lavatory	D2016	Vanity Top, Stainless Steel	Cafeteria	3290272	3	1	EA	$ 1,449.36	$ 1,449.36	$ 4,348.08						
LBT1 - Administrative Office Building (TDSP)	Plumbing	Toilet	D2016	Commercial Water Closet	Restrooms	3290275	3	7	EA	$ 1,427.40	$ 9,991.80	$ 29,975.40						
LBT1 - Administrative Office Building (TDSP)	Plumbing	Sink/Lavatory	D2016	Trough Style, Solid Surface	Common area restrooms	3290305	3	2	EA	$ 3,431.25	$ 6,862.50	$ 20,587.50						
LBT1 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3290291	3	1	EA	$ 8,235.00	$ 8,235.00	$ 24,705.00	$211,936	3.00	3			
LBT1 - Administrative Office Building (TDSP)	HVAC	HVAC System	D3055	Ductwork, High Density	Throughout	3360214	3	10,220	SF	$ 6.59	$ 67,329.36	$ 201,988.08						
LBT1 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3290295	3	1	EA	$ 16,470.00	$ 16,470.00	$ 49,410.00						
LBT1 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3290294	3	2	EA	$ 21,960.00	$ 43,920.00	$ 131,760.00						
LBT1 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3290289	3	2	EA	$ 9,882.00	$ 19,764.00	$ 59,292.00						
LBT1 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3290286	3	2	EA	$ 27,450.00	$ 54,900.00	$ 164,700.00						
LBT1 - Administrative Office Building (TDSP)	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 10" Damper	Roof	3290307	3	1	EA	$ 1,317.60	$ 1,317.60	$ 3,952.80						
LBT1 - Administrative Office Building (TDSP)	Electrical	Secondary Transformer	D5021	Dry, Stepdown	Utility closet	3290302	3	1	EA	$ 10,980.00	$ 10,980.00	$ 32,940.00	$511,866	3.00	3			
LBT1 - Administrative Office Building (TDSP)	Electrical	Electrical System	D5023	Full System Renovation/Upgrade, High Density/Compl	Throughout	3360213	3	10,220	SF	$ 30.74	$ 314,203.68	$ 942,611.04						
LBT1 - Administrative Office Building (TDSP)	Electrical	Interior Lighting System	D5045	Full Upgrade, High Density & Standard Fixtures	Throughout	3360215	3	10,220	SF	$ 14.27	$ 145,880.28	$ 437,640.84						
LBT1 - Administrative Office Building (TDSP)	Electrical	Fire Alarm Panel	D7051	Multiplex	Elect Room	3390158	3	1	EA	$ 7,137.00	$ 7,137.00	$ 21,411.00						
LBT1 - Administrative Office Building (TDSP)	Electrical	Fire Alarm System	D7051	Full System Upgrade, Standard Addressable	Throughout	3390159	3	10,220	SF	$ 3.29	$ 33,664.68	$ 100,994.04						
LBT1 - Administrative Office Building (TDSP)	Equipment	Healthcare Equipment	E1042	Defibrillator (AED), Cabinet-Mounted		3290282	3	6	EA	$ 1,647.00	$ 9,882.00	$ 29,646.00	$9,882	3.00	3			

TERM Rating Calculation Sheet - LBT1 Fuel Station

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT1 - Fuel Island	Substructure	Concrete Slab on Grade w/Integral Pads	A1011	And Perimeter Concrete Footings	At grade	3387976	4	314	LF	$ 160.00	$ 50,240.00	$ 200,960.00	$403,040	3.61	4	$562,640	3.44	3
LBT1 - Fuel Island	Substructure	Structural Framing	B1011	Steel Columns & Beams w/CMU Wall	Fuel Island	3387977	4	5,600	SF	$ 35.00	$ 196,000.00	$ 784,000.00						
LBT1 - Fuel Island	Substructure	Roof Structure	B1021	Flat, Metal Deck Over Bar Joists	Fuel Island	3387978	3	5,600	SF	$ 28.00	$ 156,800.00	$ 470,400.00						
LBT1 - Fuel Island	Shell	Roofing	B3015	Modified Bitumen	Fuel Island	3388496	3	5,600	SF	$ 10.00	$ 56,000.00	$ 168,000.00	$71,400	3.00	3			
LBT1 - Fuel Island	Shell	Column and Ceiling Finishes	C2017	Any Surface	Fuel Island	3388498	3	5,600	SF	$ 2.75	$ 15,400.00	$ 46,200.00						
LBT1 - Fuel Island	HVAC	Exhaust Fan	D3063	Centrifugal, 24" Damper, 2001 to 5000 CFM	Fuel island	3290411	3	1	EA	$ 3,000.00	$ 3,000.00	$ 9,000.00	$15,000	3.00	3			
LBT1 - Fuel Island	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 24" Damper	Fuel island	3290328	3	4	EA	$ 3,000.00	$ 12,000.00	$ 36,000.00						
LBT1 - Fuel Island	Electrical	Secondary Transformer	D5021	Dry, Stepdown, 30 KVA	Fuel island	3290379	3	1	EA	$ 6,700.00	$ 6,700.00	$ 20,100.00	$40,300	3.00	3			
LBT1 - Fuel Island	Electrical	Lighting System	D5045	Full Upgrade, Low Density & Standard Fixtures	Fuel Island	3388309	3	5,600	SF	$ 6.00	$ 33,600.00	$ 100,800.00						
LBT1 - Fuel Island	Equipment	Laundry Equipment	E1033	Dryer, Commercial	Fuel island	3290381	3	1	EA	$ 4,000.00	$ 4,000.00	$ 12,000.00	$32,900	3.00	3			
LBT1 - Fuel Island	Equipment	Laundry Equipment	E1033	Washer, Commercial	Fuel island	3290384	3	1	EA	$ 6,500.00	$ 6,500.00	$ 19,500.00						
LBT1 - Fuel Island	Equipment	Pump	G3063	Gasoline Fuel Dispenser, Dual	Fuel island	3290319	3	2	EA	$ 11,200.00	$ 22,400.00	$ 67,200.00						

TERM Rating Calculation Sheet - LBT1 General Purpose Building (North Shops)

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT1 - General Purpose Facility (North Shops)	Substructure	Foundation System	A1011	Concrete Slab on Grade w/Continuous Footings	Throughout building	3381445	4	928	LF	$ 148.23	$ 137,557.44	$ 550,229.76	$895,792	3.15	3	$2,767,339	3.08	3
LBT1 - General Purpose Facility (North Shops)	Substructure	Roof Structure	B1021	Flat, Wood Rafters	Throughout	3383681	3	13,440	SF	$ 23.06	$ 309,899.52	$ 929,698.56						
LBT1 - General Purpose Facility (North Shops)	Substructure	Exterior Walls	B2012	Concrete Block (CMU), 1-2 Story Building	Throughout	3383680	3	20,416	SF	$ 21.96	$ 448,335.36	$ 1,345,006.08						
LBT1 - General Purpose Facility (North Shops)	Shell	Exterior Walls	B2011	any painted surface, 1-2 Story Building		3360428	3	16,000	SF	$ 3.29	$ 52,704.00	$ 158,112.00	$355,972	3.14	3			
LBT1 - General Purpose Facility (North Shops)	Shell	Exterior Door	B2051	Steel, Standard		3360512	3	4	EA	$ 658.80	$ 2,635.20	$ 7,905.60						
LBT1 - General Purpose Facility (North Shops)	Shell	Overhead/Dock Door	B2053	Steel, 20'x20' (400 SF)	Site	3290433	3	6	EA	$ 9,882.00	$ 59,292.00	$ 177,876.00						
LBT1 - General Purpose Facility (North Shops)	Shell	Automatic Door Opener	B2059	Commercial Overhead/Dock Door	Site	3360524	3	6	EA	$ 3,843.00	$ 23,058.00	$ 69,174.00						
LBT1 - General Purpose Facility (North Shops)	Shell	Roofing	B3015	Built-Up	Roof	3290424	3	14,200	SF	$ 15.37	$ 218,282.40	$ 654,847.20						
LBT1 - General Purpose Facility (North Shops)	Shell	Roof Skylight	B3061	per unit, up to 20 SF	Roof	3290422	3	12	EA	$ 1,427.40	$ 17,128.80	$ 51,386.40						
LBT1 - General Purpose Facility (North Shops)	Interiors	Interior Door	C1031	Steel, Standard		3360513	3	8	EA	$ 658.80	$ 5,270.40	$ 15,811.20	$213,836	3.00	3			
LBT1 - General Purpose Facility (North Shops)	Interiors	Wall Finishes	C2011	Ceramic Tile	Restrooms	3360502	3	1,200	SF	$ 19.76	$ 23,716.80	$ 71,150.40						
LBT1 - General Purpose Facility (North Shops)	Interiors	Wall Finishes	C2017	any surface		3360501	3	21,300	SF	$ 1.65	$ 35,081.10	$ 105,243.30						
LBT1 - General Purpose Facility (North Shops)	Interiors	Flooring	C2031	any surface, w/ Epoxy Coating		3360503	3	9,000	SF	$ 13.18	$ 118,584.00	$ 355,752.00						
LBT1 - General Purpose Facility (North Shops)	Interiors	Ceiling Finishes	C2057	any flat surface		3360500	3	14,200	SF	$ 2.20	$ 31,183.20	$ 93,549.60						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Pump	D2012	Circulation, Domestic Water, 0.75 HP	Paint booth	3290448	3	1	EA	$ 3,403.80	$ 3,403.80	$ 10,211.40	$209,169	3.48	3			
LBT1 - General Purpose Facility (North Shops)	Plumbing	Water Heater	D2012	Electric, Residential, 16 to 29 GAL		3290449	3	1	EA	$ 713.70	$ 713.70	$ 2,141.10						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Water Heater	D2012	Electric, Residential, 16 to 29 GAL		3360514	3	1	EA	$ 713.70	$ 713.70	$ 2,141.10						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Plumbing System	D2014	Supply & Sanitary, Low Density (excludes fixtures)		3360505	3	14,200	SF	$ 5.49	$ 77,958.00	$ 233,874.00						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Sink/Lavatory	D2016	Wall-Hung, Vitreous China		3360515	3	1	EA	$ 1,647.00	$ 1,647.00	$ 4,941.00						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Urinal	D2016	Standard		3290447	3	1	EA	$ 1,207.80	$ 1,207.80	$ 3,623.40						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Toilet	D2016	Residential Water Closet		3290421	3	1	EA	$ 768.60	$ 768.60	$ 2,305.80						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Sink/Lavatory	D2016	Service Sink, Wall-Hung		3290441	3	1	EA	$ 1,537.20	$ 1,537.20	$ 4,611.60						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Drinking Fountain	D2016	Wall-Mounted, Bi-Level		3360438	3	1	EA	$ 1,647.00	$ 1,647.00	$ 4,941.00						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Air Compressor	D2061	Tank-Style, 50 HP	Tire shop	3290430	4	1	EA	$ 100,576.80	$ 100,576.80	$ 402,307.20						
LBT1 - General Purpose Facility (North Shops)	Plumbing	Air Compressor	D2061	Tank-Style, 15 HP	Tire shop	3290420	3	1	EA	$ 18,995.40	$ 18,995.40	$ 56,986.20						
LBT1 - General Purpose Facility (North Shops)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	Roof	3290444	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00	$40,626	3.00	3			
LBT1 - General Purpose Facility (North Shops)	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 12" Damper, 501 to 1000 CFM	Roof	3290428	3	3	EA	$ 1,537.20	$ 4,611.60	$ 13,834.80						
LBT1 - General Purpose Facility (North Shops)	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	Roof	3290429	3	1	EA	$ 1,317.60	$ 3,952.80	$ 11,858.40						
LBT1 - General Purpose Facility (North Shops)	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 24" Damper, 2001 to 5000 CFM	Roof	3290440	3	1	EA	$ 3,294.00	$ 3,294.00	$ 9,882.00						
LBT1 - General Purpose Facility (North Shops)	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	Roof	3290426	3	1	EA	$ 1,317.60	$ 1,317.60	$ 3,952.80						
LBT1 - General Purpose Facility (North Shops)	Fire Protection	Fire Extinguisher	D4033	Type ABC, up to 20 LB		3360506	3	4	EA	$ 164.70	$ 658.80	$ 1,976.40	$659	3.00	3			
LBT1 - General Purpose Facility (North Shops)	Electrical	Supplemental Components	D5012	Battery Charger		3290443	3	1	EA	$ 1,789.74	$ 1,789.74	$ 5,369.22	$593,634	3.00	3			
LBT1 - General Purpose Facility (North Shops)	Electrical	Electrical System	D5023	Full System Renovation/Upgrade, Low Density/Complexity		3360516	3	14,200	SF	$ 14.27	$ 202,690.80	$ 608,072.40						
LBT1 - General Purpose Facility (North Shops)	Electrical	Electrical System	D5023	Full System Renovation/Upgrade, Low Density/Complexity		3360504	3	14,200	SF	$ 14.27	$ 202,690.80	$ 608,072.40						
LBT1 - General Purpose Facility (North Shops)	Electrical	Interior Lighting System	D5045	Full Upgrade, Medium Density & Standard Fixtures		3360436	3	14,200	SF	$ 8.78	$ 124,732.80	$ 374,198.40						
LBT1 - General Purpose Facility (North Shops)	Electrical	Standard Fixture w/ Lamp	D5045	LED, Basic, 20 W		3360435	3	12	EA	$ 230.58	$ 2,766.96	$ 8,300.88						
LBT1 - General Purpose Facility (North Shops)	Electrical	Security/Surveillance System	D7031	Full System Upgrade, Average Density		3360523	3	14,200	SF	$ 2.20	$ 31,183.20	$ 93,549.60						
LBT1 - General Purpose Facility (North Shops)	Electrical	Fire Alarm Panel	D7051	Multiplex		3360518	3	1	EA	$ 4,392.00	$ 4,392.00	$ 13,176.00						
LBT1 - General Purpose Facility (North Shops)	Electrical	Fire Alarm System	D7051	Full System Upgrade, Basic/Zoned		3360517	3	14,200	SF	$ 1.65	$ 23,387.40	$ 70,162.20						
LBT1 - General Purpose Facility (North Shops)	Equipment	Sand Blast Booth	E1011	Standing	Body shop	3290419	3	1	EA	$ 1,317.60	$ 1,317.60	$ 3,952.80	$440,523	2.97	3			
LBT1 - General Purpose Facility (North Shops)	Equipment	Vehicle Lift	E1032	Parallel, In-Ground, 75,000 LB	Throughout	3290446	3	2	EA	$ 130,343.58	$ 260,687.16	$ 782,061.48						
LBT1 - General Purpose Facility (North Shops)	Equipment	Pressure Washer	E1032	4 GPM, Any Fuel	Steam bay	3290438	3	1	EA	$ 7,960.50	$ 7,960.50	$ 23,881.50						
LBT1 - General Purpose Facility (North Shops)	Equipment	Paint Gun Washer	E1032	4 GPM, Any Fuel	Paint booth	3290445	3	1	EA	$ 7,960.50	$ 7,960.50	$ 23,881.50						
LBT1 - General Purpose Facility (North Shops)	Equipment	Vehicle Lift	E1032	In-Ground, 30,000 LB		3290450	3	1	EA	$ 34,021.53	$ 34,021.53	$ 102,064.59						
LBT1 - General Purpose Facility (North Shops)	Equipment	Steam Cleaner	E1034	Gas Fired	Steam bay	3290425	3	1	EA	$ 12,627.00	$ 12,627.00	$ 37,881.00						
LBT1 - General Purpose Facility (North Shops)	Equipment	Drill Press	E1034	Standing	Body shop	3290439	3	1	EA	$ 1,427.40	$ 1,427.40	$ 4,282.20						
LBT1 - General Purpose Facility (North Shops)	Equipment	Overhead Bridge Crane	E2017	Electric, 5 ton	AC repair	3290432	3	1	EA	$ 41,175.00	$ 41,175.00	$ 123,525.00						
LBT1 - General Purpose Facility (North Shops)	Equipment	Paint Booth	F1022	Paint Booth, Overhaul	Service bay	3360429	3	1	EA	$ 61,048.80	$ 61,048.80	$ 183,146.40						
LBT1 - General Purpose Facility (North Shops)	Equipment	Refrigerant Reclamation System	G3063	Pump	Service bay	3290423	2	1	EA	$ 12,297.60	$ 12,297.60	$ 24,595.20						

TERM Rating Calculation Sheet - LBT1 Site

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT1 - Site	Shell	Exterior Aluminum Screen Walls	B2016	Aluminum-Framed, Bus Wash Equipment	Bus Wash	3387951	3	1,800	SF	$ 9.88	$ 17,787.60	$ 53,362.80	$23,964	3.00	3	$2,280,237	2.97	3
LBT1 - Site	Shell	Guardhouse Structure	F1024	Metal-Framed, Basic/Minimal	Site	3290292	3	75	SF	$ 82.35	$ 6,176.25	$ 18,528.75						
LBT1 - Site	Plumbing	Pump	D2012	Circulation, Domestic Water, 2 HP	Bus wash	3290329	3	2	EA	$ 5,050.80	$ 10,101.60	$ 30,304.80	$62,042	3.00				
LBT1 - Site	Plumbing	Backflow Preventer	D2014	Domestic Water, 2 IN	Site	3290368	3	1	EA	$ 3,513.60	$ 3,513.60	$ 10,540.80						
LBT1 - Site	Plumbing	Backflow Preventer	D2014	Domestic Water	Site	3290287	3	1	EA	$ 1,537.20	$ 1,537.20	$ 4,611.60						
LBT1 - Site	Plumbing	Backflow Preventer	D2014	Domestic Water	Site	3290276	3	2	EA	$ 3,513.60	$ 7,027.20	$ 21,081.60						
LBT1 - Site	Plumbing	Supplemental Components	D2019	Reverse Osmosis/Deionized Water System, Domestic Water	Bus wash	3290378	3	1	EA	$ 23,716.80	$ 23,716.80	$ 71,150.40						
LBT1 - Site	Plumbing	1000 Gallon Oil water separator storage tank	D2023	Underground	At north shops	3387782	3	1	EA	$ 16,146.09	$ 16,146.09	$ 48,438.27						
LBT1 - Site	Fire Protection	Backflow Preventer	D4011	Fire Suppression	Site - Admin Bldg	3290280	3	1	EA	$ 3,513.60	$ 3,513.60	$ 10,540.80	$3,514	3.00	3			
LBT1 - Site	Electrical	Site Lighting - Metal Pole Mounted Multi-Ligh	G4051	Site Lighting - Metal Pole Mounted Multi-Light Standard High Intensity, Replace	Site Parking Lots	3388815	3	8	EA	$ 10,787.85	$ 86,302.80	$ 258,908.40	$86,303	3.00	3			
LBT1 - Site	Equipment	Supplemental Components	D5012	Electric Car Charger	Bus Parking Lot	3290434	3	33	EA	$ 13,176.00	$ 434,808.00	$ 1,304,424.00	$843,813	3.00	3			
LBT1 - Site	Equipment	Bus Washing Equipment	E1032	Bus Washing Equipment	East side adjacent to Mair	3387934	3	2	EA	$ 43,920.00	$ 87,840.00	$ 263,520.00						
LBT1 - Site	Equipment	Lubricant Storage Tank	D3015	Fuel 1000 GAL	Site	3372259	3	1	EA	$ 7,246.80	$ 7,246.80	$ 21,740.40						
LBT1 - Site	Equipment	Underground Storage Tank	D3015	Fuel, 10000 GAL	Site	3372254	3	1	EA	$ 43,920.00	$ 43,920.00	$ 131,760.00						
LBT1 - Site	Equipment	Lubricant Storage Tank	D3015	Fuel, 2500 GAL	Site	3372256	3	3	EA	$ 13,176.00	$ 39,528.00	$ 118,584.00						
LBT1 - Site	Equipment	Lubricant Storage Tank	D3015	Fuel, 5000 GAL	Site	3372258	3	3	EA	$ 20,093.40	$ 60,280.20	$ 180,840.60						
LBT1 - Site	Equipment	Underground Storage Tank	D3015	Fuel, 20000 GAL	Site	3372255	3	1	EA	$ 60,390.00	$ 60,390.00	$ 181,170.00						
LBT1 - Site	Equipment	Underground Storage Tank	D3015	Fuel, 30000 GAL	Site	3372253	3	1	EA	$ 109,800.00	$ 109,800.00	$ 329,400.00						
LBT1 - Site	Site	Parking Lots	G2011	Pavement, Asphalt	Bus Pakring Lot	3360427	3	155,196	SF	$ 0.49	$ 76,682.34	$ 230,047.03	$1,260,601	2.95	3			
LBT1 - Site	Site	Parking Lots	G2021	Pavement, Asphalt	Bus Pakring Lot	3290437	2	15,000	SF	$ 3.84	$ 57,645.00	$ 115,290.00						
LBT1 - Site	Site	Parking Lots	G2021	Pavement, Concrete	Site Driveway/Parking	3360437	2	400	SF	$ 21.96	$ 8,784.00	$ 17,568.00						
LBT1 - Site	Site	Parking Lots	G2021	Pavement, Concrete	Site Direiway Parkin	3290273	3	85,000	SF	$ 9.88	$ 839,970.00	$ 2,519,910.00						
LBT1 - Site	Site	Sidewalk	G2031	Concrete, Large Areas	Site	3290303	3	7,500	SF	$ 9.88	$ 74,115.00	$ 222,345.00						
LBT1 - Site	Site	Fences & Gates	G2062	Vehicle Gate, Wrought Iron Swinging Electric	Site Entrance	3360432	3	2	EA	$ 10,980.00	$ 21,960.00	$ 65,880.00						
LBT1 - Site	Site	Fences & Gates	G2062	Fence, Metal Tube 4'	Site	3290301	3	300	LF	$ 37.33	$ 11,199.60	$ 33,598.80						
LBT1 - Site	Site	Fences & Gates	G2062	Vehicle Gate, Security Entry Arm	Site Entrance	3360430	3	2	EA	$ 1,866.60	$ 3,733.20	$ 11,199.60						
LBT1 - Site	Site	Park Bench	G2062	Precast Concrete	Site	3290281	3	3	EA	$ 1,098.00	$ 3,294.00	$ 9,882.00						
LBT1 - Site	Site	Fences & Gates	G2062	Fence, Wrought Iron 4'	Site	3360434	3	1,200	LF	$ 43.92	$ 52,704.00	$ 158,112.00						
LBT1 - Site	Site	Fences & Gates	G2062	Fence, Chain Link 6'	Site	3290427	3	400	LF	$ 23.06	$ 9,223.20	$ 27,669.60						
LBT1 - Site	Site	Fences & Gates	G2062	Screen Walls, Concrete Masonry Unit (CMU)	Site Perimeter	3360433	3	1,200	SF	$ 21.96	$ 26,352.00	$ 79,056.00						
LBT1 - Site	Site	Flagpole	G2063	Metal	Site	3290431	3	1	EA	$ 2,745.00	$ 2,745.00	$ 8,235.00						
LBT1 - Site	Site	Bollard	G2068	Concrete or Metal	Site	3360426	3	32	EA	$ 1,098.00	$ 35,136.00	$ 105,408.00						
LBT1 - Site	Site	Landscape and Irrigation System	G2081	Controllers & Valves, Plantings Repairs & Adjustments	Landscape Areas	3388807	3	15,000	SF	$ 2.47	$ 37,057.50	$ 111,172.50						

TERM Rating Calculation Sheet LBT2 - Administration Office Building (TDSP)

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT2 - Administrative Office Building (TDSP)	Substructure	Slab-on-Grade, Perimeter and Interior	A4011	Concrete	Throughout	3359064	4	15,165	SF	$ 39.53	$ 599,442.12	$ 2,397,768.48	$599,442	4.00	4	$3,926,322	3.25	3
LBT2 - Administrative Office Building (TDSP)	Shell	Structural Framing	B1011	Steel Columns & Beams	Throughout	3359065	3	15,165	SF	$ 60.39	$ 915,814.35	$ 2,747,443.05	$1,933,249	3.19	3			
LBT2 - Administrative Office Building (TDSP)	Shell	Roof Structure	B1021	Flat, Metal Deck Over Bar Joists	Throughout	3359137	3	15,165	SF	$ 27.45	$ 416,279.25	$ 1,248,837.75						
LBT2 - Administrative Office Building (TDSP)	Shell	Exterior Walls	B2011	any painted surface, 1-2 Story Building	Building exterior	3359063	3	5,500	SF	$ 3.29	$ 18,117.00	$ 54,351.00						
LBT2 - Administrative Office Building (TDSP)	Shell	Exterior Walls	B2011	Stucco, 1-2 Story Building	North, south walls	3396681	4	9,000	SF	$ 21.96	$ 197,640.00	$ 790,560.00						
LBT2 - Administrative Office Building (TDSP)	Shell	Exterior Walls	B2011	Metal Siding	East, west walls	3396679	4	7,200	SF	$ 24.16	$ 173,923.20	$ 695,692.80						
LBT2 - Administrative Office Building (TDSP)	Shell	Window	B2021	Aluminum Double-Glazed, 16-25 SF	Building exterior	3359134	3	34	EA	$ 1,043.10	$ 35,465.40	$ 106,396.20						
LBT2 - Administrative Office Building (TDSP)	Shell	Exterior Door	B2051	Steel, Standard	Building exterior	3359135	3	3	EA	$ 658.80	$ 1,976.40	$ 5,929.20						
LBT2 - Administrative Office Building (TDSP)	Shell	Exterior Door	B2051	Aluminum-Framed & Glazed, Standard Swing	Building exterior	3359136	3	5	EA	$ 1,427.40	$ 7,137.00	$ 21,411.00						
LBT2 - Administrative Office Building (TDSP)	Shell	Roofing	B3015	Modified Bitumen	Roof	3315806	3	15,200	SF	$ 10.98	$ 166,896.00	$ 500,688.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Interior Door	C1031	Wood, Solid-Core	Throughout	3315774	3	40	EA	$ 768.60	$ 30,744.00	$ 92,232.00	$286,304	3.00	3			
LBT2 - Administrative Office Building (TDSP)	Interiors	Suspended Ceilings	C1071	Acoustical Tile (ACT)	Throughout	3315800	3	13,000	SF	$ 3.84	$ 49,959.00	$ 149,877.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Toilet Partitions	C1094	Plastic/Laminate	Restroom	3315786	3	7	EA	$ 823.50	$ 5,764.50	$ 17,293.50						
LBT2 - Administrative Office Building (TDSP)	Interiors	Wall Finishes	C2011	Ceramic Tile	Restroom	3315795	3	2,500	SF	$ 19.76	$ 49,410.00	$ 148,230.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Wall Finishes	C2017	any surface	Throughout	3315793	3	35,000	SF	$ 1.65	$ 57,645.00	$ 172,935.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Flooring	C2032	Ceramic Tile	Restroom	3315790	3	1,000	SF	$ 19.76	$ 19,764.00	$ 59,292.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Flooring	C2035	Vinyl Tile (VCT)	Throughout	3315778	3	5,000	SF	$ 5.49	$ 27,450.00	$ 82,350.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Flooring	C2035	Luxury Vinyl Tile (LVT)	Throughout	3315805	3	1,000	SF	$ 8.24	$ 8,235.00	$ 24,705.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Flooring	C2037	Carpet, Commercial Standard	Throughout	3315779	3	4,000	SF	$ 8.24	$ 32,940.00	$ 98,820.00						
LBT2 - Administrative Office Building (TDSP)	Interiors	Ceiling Finishes	C2057	any flat surface		3315788	3	2,000	SF	$ 2.20	$ 4,392.00	$ 13,176.00						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Water Heater	D2012	Electric, Instant Hot	Restroom	3315780	3	3	EA	$ 549.00	$ 1,647.00	$ 4,941.00	$216,213	3.00	3			
LBT2 - Administrative Office Building (TDSP)	Plumbing	Water Heater	D2012	Gas, Residential	Utility room	3315772	3	1	EA	$ 2,086.20	$ 2,086.20	$ 6,258.60						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Plumbing System	D2014	Supply & Sanitary, Medium Density (excludes fixtures)	Throughout	3359060	3	15,165	SF	$ 12.08	$ 183,162.87	$ 549,488.61						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Sink/Lavatory	D2016	Vanity Top, Stainless Steel	Kitchen	3315771	3	1	EA	$ 1,317.60	$ 1,317.60	$ 3,952.80						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Shower	D2016	Ceramic Tile	Restroom	3315776	3	2	EA	$ 2,745.00	$ 5,490.00	$ 16,470.00						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Sink/Lavatory	D2016	Wall-Hung, Vitreous China	Restroom	3315792	3	2	EA	$ 1,647.00	$ 3,294.00	$ 9,882.00						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Sink/Lavatory	D2016	Vanity Top, Stainless Steel	Restroom	3315773	3	2	EA	$ 1,317.60	$ 2,635.20	$ 7,905.60						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Drinking Fountain	D2016	Wall-Mounted, Single-Level	Office	3315782	3	1	EA	$ 1,317.60	$ 1,317.60	$ 3,952.80						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Urinal	D2016	Standard	Restroom	3315804	3	2	EA	$ 1,207.80	$ 2,415.60	$ 7,246.80						
LBT2 - Administrative Office Building (TDSP)	Plumbing	Toilet	D2016	Commercial Water Closet	Restroom	3315769	3	9	EA	$ 1,427.40	$ 12,846.60	$ 38,539.80						
LBT2 - Administrative Office Building (TDSP)	HVAC	Split System Ductless	D3037	Single Zone, 2.5 to 3 TON	Roof	3315807	3	1	EA	$ 6,697.80	$ 6,697.80	$ 20,093.40	$245,249	3.00	3			
LBT2 - Administrative Office Building (TDSP)	HVAC	Split System Ductless	D3037	Single Zone, 0.75 to 1 TON	Roof	3315784	3	1	EA	$ 3,843.00	$ 3,843.00	$ 11,529.00						
LBT2 - Administrative Office Building (TDSP)	HVAC	Computer Room AC Unit	D3037	Air-Cooled, Condenser & CRAC Cabinet, 4 to 5 TON	Roof	3315796	3	1	EA	$ 39,528.00	$ 39,528.00	$ 118,584.00						
LBT2 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	roof	3315785	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00						
LBT2 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3315787	3	6	EA	$ 12,078.00	$ 72,468.00	$ 217,404.00						
LBT2 - Administrative Office Building (TDSP)	HVAC	HVAC System	D3055	Ductwork, Medium Density	Throughout	3359062	3	15,165	SF	$ 4.39	$ 66,604.68	$ 199,814.04						
LBT2 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 6 to 7.5 TON	Roof	3315789	3	1	EA	$ 16,470.00	$ 16,470.00	$ 49,410.00						
LBT2 - Administrative Office Building (TDSP)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted, 3 TON	Roof	3315770	3	1	EA	$ 8,235.00	$ 8,235.00	$ 24,705.00						
LBT2 - Administrative Office Building (TDSP)	HVAC	Exhaust Fan	D3063	Roof or Wall-Mounted, 10" Damper	Roof	3315802	3	3	EA	$ 1,317.60	$ 3,952.80	$ 11,858.40						
LBT2 - Administrative Office Building (TDSP)	Electrical	Automatic Transfer Switch	D5017	ATS, 600 AMP	Electrical room	3360064	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00	$642,572	3.00	3			
LBT2 - Administrative Office Building (TDSP)	Electrical	Automatic Transfer Switch	D5017	ATS, 400 AMP	Electrical room	3360065	3	1	EA	$ 21,960.00	$ 21,960.00	$ 65,880.00						
LBT2 - Administrative Office Building (TDSP)	Electrical	Secondary Transformer	D5021	Dry, Stepdown, 75 KVA	Building exterior	3315794	3	2	EA	$ 10,980.00	$ 21,960.00	$ 65,880.00						
LBT2 - Administrative Office Building (TDSP)	Electrical	Switchboard	D5021	277/480 V, 400 AMP	Electrical room	3315798	3	2	EA	$ 38,430.00	$ 76,860.00	$ 230,580.00						
LBT2 - Administrative Office Building (TDSP)	Electrical	Distribution Panel	D5023	277/480 V, 400 AMP	Electrical room	3315797	3	1	EA	$ 5,819.40	$ 5,819.40	$ 17,458.20						
LBT2 - Administrative Office Building (TDSP)	Electrical	Distribution Panel	D5023	277/480 V, 400 AMP	Electrical room	3315781	3	1	EA	$ 5,819.40	$ 5,819.40	$ 17,458.20						
LBT2 - Administrative Office Building (TDSP)	Electrical	Electrical System	D5023	Density/Complexity	Throughout	3358731	3	15,165	SF	$ 19.76	$ 299,721.06	$ 899,163.18						
LBT2 - Administrative Office Building (TDSP)	Electrical	Interior Lighting System	D5045	Full Upgrade, Medium Density & Standard Fixtures	Throughout	3358734	3	15,165	SF	$ 8.78	$ 133,209.36	$ 399,628.08						
LBT2 - Administrative Office Building (TDSP)	Electrical	Fire Alarm System	D7051	Full System Upgrade, Simple Addressable	Throughout	3359061	3	15,165	SF	$ 2.20	$ 33,302.34	$ 99,907.02						
LBT2 - Administrative Office Building (TDSP)	Electrical	Fire Alarm Panel	D7051	Fully Addressable	Office	3315777	3	1	EA	$ 16,470.00	$ 16,470.00	$ 49,410.00						
LBT2 - Administrative Office Building (TDSP)	Equipment	Healthcare Equipment	E1042	Defibrillator (AED), Cabinet-Mounted	Office	3315803	3	2	EA	$ 1,647.00	$ 3,294.00	$ 9,882.00	$3,294	3.00	3			

TERM Rating Calculation Sheet - LBT2 Site

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBT2 - Site	Substructure	Foundation System	A1011	Concrete Slab w/Continuous and Pad Footings	Bus Wash	3372261	4	240	LF	$ 175.68	$ 42,163.20	$ 168,652.80	$42,163	4.00	4	$8,329,821	3.38	3
LBT2 - Site	Shell	Structural Framing	B1011	Masonry (CMU) Bearing Walls	Bus Wash	3372263	4	3,400	SF	$ 30.74	$ 104,529.60	$ 418,118.40	$216,526	3.48	3			
LBT2 - Site	Shell	Roof Structure	B1021	Pitched, Steel Medium/Heavy Gauge Steel Beams	Bus wash	3315818	3	3,400	SF	$ 32.94	$ 111,996.00	$ 335,988.00						
LBT2 - Site	Plumbing	Water Heater	D2012	Electric, Residential, 50 GAL	Bus wash	3315830	3	1	EA	$ 988.20	$ 988.20	$ 2,964.60	$44,140	3.00	3			
LBT2 - Site	Plumbing	Backflow Preventer	D2014	Domestic Water, 8 IN	Site	3315813	3	1	EA	$ 15,811.20	$ 15,811.20	$ 47,433.60						
LBT2 - Site	Plumbing	Backflow Preventer	D2014	Domestic Water, 8 IN	Site	3315823	3	1	EA	$ 15,811.20	$ 15,811.20	$ 47,433.60						
LBT2 - Site	Plumbing	Backflow Preventer	D2014	Domestic Water, 6 IN	Site	3315810	3	1	EA	$ 11,529.00	$ 11,529.00	$ 34,587.00						
LBT2 - Site	HVAC	Infrared Heater	D3027	Gas-Fired Tubular, 20 LF, 40 MBH	Bus Wash	3352060	3	1	EA	$ 3,403.80	$ 3,403.80	$ 10,211.40	$21,038	3.00	3			
LBT2 - Site	HVAC	Pump	D3013	Fuel Oil, 5 HP	Site	3315816	3	1	EA	$ 3,799.08	$ 3,799.08	$ 11,397.24						
LBT2 - Site	HVAC	Pump	D3051	Distribution, Water, 4 to 5 HP	Bus Wash	3315814	3	1	EA	$ 6,697.80	$ 6,697.80	$ 20,093.40						
LBT2 - Site	HVAC	Blower Fan	D3063	Fan, 0.5 HP Motor, 5000 CFM	Bus Wash	3315827	3	5	EA	$ 1,427.40	$ 7,137.00	$ 21,411.00						
LBT2 - Site	Electrical	Generator	D5011	Diesel, 125 kW	Site	3315791	3	1	EA	$ 63,684.00	$ 63,684.00	$ 191,052.00	$588,748	3.00	3			
LBT2 - Site	Electrical	Generator	D5011	Diesel,1000 KW	Site	3315854	3	1	EA	$ 307,440.00	$ 307,440.00	$ 922,320.00						
LBT2 - Site	Electrical	Generator	D5011	Diesel,400 KW	Site	3315799	3	1	EA	$ 131,760.00	$ 131,760.00	$ 395,280.00						
LBT2 - Site	Electrical	Automatic Transfer Switch	D5017	ATS, 1200 AMP	Site	3315881	3	1	EA	$ 54,900.00	$ 54,900.00	$ 164,700.00						
LBT2 - Site	Electrical	Secondary Transformer	D5021	Dry, Stepdown, 30 KVA	Site	3315828	3	1	EA	$ 7,356.60	$ 7,356.60	$ 22,069.80						
LBT2 - Site	Electrical	Distribution Panel	D5023	277/480 V, 400 AMP	Bus Wash	3315817	3	1	EA	$ 5,819.40	$ 5,819.40	$ 17,458.20						
LBT2 - Site	Electrical	Motor	D5039	Motor, Pump, 15 HP	Site	3315822	3	1	EA	$ 4,611.60	$ 4,611.60	$ 13,834.80						
LBT2 - Site	Electrical	Interior Lighting System	D5045	Full Upgrade, Low Density & Standard Fixtures	Bus Wash	3352061	3	2,000	SF	$ 6.59	$ 13,176.00	$ 39,528.00						
LBT2 - Site	Equipment	Storage Tank	D2011	Domestic Water, 7000 GAL	Bus wash	3315821	3	1	EA	$ 32,940.00	$ 32,940.00	$ 98,820.00	$3,917,637	3.00	3			
LBT2 - Site	Equipment	Dehydrator	D2061	Natural Gas Dryer	CNG Station	3372965	3	1	EA	$ 78,660.72	$ 78,660.72	$ 235,982.16						
LBT2 - Site	Equipment	Air Compressor	D2061	Tank-Style, 5 HP	Site	3315831	3	1	EA	$ 11,638.80	$ 11,638.80	$ 34,916.40						
LBT2 - Site	Equipment	Fuel Station	D2063	Natural Gas / CNG, Single Stall / Rack	Site	3372964	3	5	EA	$ 419,685.25	$ 2,098,426.23	$ 6,295,278.69						
LBT2 - Site	Equipment	Charging Station	E1011	Electric Vehicle, Single Connection	Site	3315801	3	1	EA	$ 5,819.40	$ 5,819.40	$ 17,458.20						
LBT2 - Site	Equipment	Bus Washing Equipment	E1032	Bus Washing Equipment	Bus Wash	3372260	3	1	EA	$ 43,920.00	$ 43,920.00	$ 131,760.00						
LBT2 - Site	Equipment	Ancillary Building	F1024	Pre-Fab Metal Framed	Site	3315824	3	60	SF	$ 205.88	$ 12,352.50	$ 37,057.50						
LBT2 - Site	Equipment	Pump	G3063	Gasoline Fuel Dispenser	Site	3372597	3	4	EA	$ 12,297.60	$ 49,190.40	$ 147,571.20						
LBT2 - Site	Equipment	Storage Tank	D3015	Fuel, 250 GAL	Site generator	3372591	3	1	EA	$ 4,941.00	$ 4,941.00	$ 14,823.00						
LBT2 - Site	Equipment	Storage Tank	G3064	Site Fuel, Underground, 20000 GAL	Site	3372601	3	1	EA	$ 71,370.00	$ 71,370.00	$ 214,110.00						
LBT2 - Site	Equipment	Storage Tank	G3064	Site Fuel, Underground, 4000 GAL	Site	3372592	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00						
LBT2 - Site	Equipment	Storage Tank	G3064	Vehicle Fluids Underground, 1000 GAL	Site Generator	3372586	3	3	EA	$ 21,960.00	$ 65,880.00	$ 197,640.00						
LBT2 - Site	Equipment	Storage Tank	G3064	Site Fuel, Underground, 20000 GAl	Site	3372603	3	1	EA	$ 71,370.00	$ 71,370.00	$ 214,110.00						
LBT2 - Site	Equipment	Natural Gas Compressor System	G5060	300 HP, Enclosure	Site	3372587	3	5	EA	$ 268,735.50	$ 1,343,677.50	$ 4,031,032.50						
LBT2 - Site	Site	Roadways	G2011	Pavement, Concrete	Site	3358667	4	203,000	SF	$ 13.73	$ 2,786,175.00	$ 11,144,700.00	$3,499,570	3.86	4			
LBT2 - Site	Site	Parking Lots	G2021	Pavement, Asphalt	Site	3315811	3	55,500	SF	$ 0.49	$ 27,422.55	$ 82,267.65						
LBT2 - Site	Site	Parking Lots	G2021	Pavement, Asphalt	Site	3358665	4	55,500	SF	$ 3.84	$ 213,286.50	$ 853,146.00						
LBT2 - Site	Site	Fences & Gates	G2062	Fence, Metal Tube 6'	West parking	3352054	3	80	LF	$ 43.92	$ 3,513.60	$ 10,540.80						
LBT2 - Site	Site	Fences & Gates	G2062	Fence, Chain Link 4'	Site	3315825	3	2,943	LF	$ 24.71	$ 72,706.82	$ 218,120.45						
LBT2 - Site	Site	Retaining Wall	G2066	Concrete Masonry Unit (CMU)	Site	3315820	3	2,943	SF	$ 65.88	$ 193,884.84	$ 581,654.52						
LBT2 - Site	Site	Landscape and Irrigation System	G2081	Replacements, Repairs & Adjustments	Throughout site	3394771	3	10,000	SF	$ 4.12	$ 41,175.00	$ 123,525.00						
LBT2 - Site	Site	Pole Light Fixture w/ Lamps	G4051	any type 30' High, w/ LED Replacement, 400 W	Site employee parking	3348984	3	5	EA	$ 7,466.40	$ 37,332.00	$ 111,996.00						
LBT2 - Site	Site	Site Walkway Fixture w/ Lamp	G4051	Bollard Style, 150 W	Parking lot	3315819	3	6	EA	$ 768.60	$ 4,611.60	$ 13,834.80						
LBT2 - Site	Site	Pole Light Fixture w/ Lamps	G4051	any type 30' High, w/ LED Replacement, 400 W	Site bus lot	3315815	3	16	EA	$ 7,466.40	$ 119,462.40	$ 358,387.20						

TERM Rating Calculation Sheet - LBTVIC

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
TVIC (Transit Visitor's Information Center)	Substructure	Tensile Structure Foundation	A1028	Tensile Structure Foundation	Mid-structre	3375935	4	3	EA	$ 28,822.50	$ 86,467.50	$ 345,870.00	$369,977	3.72	4	$1,377,683	3.36	3
TVIC (Transit Visitor's Information Center)	Substructure	Slab-on-Grade	A4011	Concrete, Standard w/ Integral Perimeter Footings	Throughout building	3310014	4	2,790	SF	$ 19.76	$ 55,141.56	$ 220,566.24						
TVIC (Transit Visitor's Information Center)	Substructure	Structural Framing	B1011	Steel Columns & Beams	Throughout building	3310032	3	2,660	SF	$ 38.43	$ 102,223.80	$ 306,671.40						
TVIC (Transit Visitor's Information Center)	Substructure	Tensile Structure Framing	B1011	Steel Columns	Mid-structure	3375936	4	2,250	SF	$ 30.20	$ 67,938.75	$ 271,755.00						
TVIC (Transit Visitor's Information Center)	Substructure	Roof Structure	B1021	Pitched, Steel Light Gauge Trusses	Throughout building	3310025	4	2,790	SF	$ 20.86	$ 58,204.98	$ 232,819.92						
TVIC (Transit Visitor's Information Center)	Shell	Exterior Walls	B2011	Stucco, 1-2 Story Building	Throughout exterior	3375937	4	1,800	SF	$ 21.96	$ 39,528.00	$ 158,112.00	$273,876	3.14	3	$861,157		
TVIC (Transit Visitor's Information Center)	Shell	Exterior Walls	B2011	any painted surface, 1-2 Story Building	Building Exterior	3310018	3	1,800	SF	$ 3.29	$ 5,929.20	$ 17,787.60						
TVIC (Transit Visitor's Information Center)	Shell	Exterior Walls	B2011	any painted surface, 1-2 Story Building	Building exterior	3310005	3	1,800	SF	$ 3.29	$ 5,929.20	$ 17,787.60						
TVIC (Transit Visitor's Information Center)	Shell	Window	B2021	Aluminum Double-Glazed, 28-40 SF	Building Exterior	3310002	3	5	EA	$ 1,372.50	$ 6,862.50	$ 20,587.50						
TVIC (Transit Visitor's Information Center)	Shell	Screens & Shutters	B2025	Rolling Security Shutter, 10 to 50 SF	Building Exterior	3310012	3	2	EA	$ 1,317.60	$ 2,635.20	$ 7,905.60						
TVIC (Transit Visitor's Information Center)	Shell	Exterior Door	B2051	Steel, Standard	Building exterior	3309998	3	5	EA	$ 658.80	$ 3,294.00	$ 9,882.00						
TVIC (Transit Visitor's Information Center)	Shell	Overhead/Dock Door	B2053	Steel, 20'x14' (280 SF)	Building Exterior	3310027	3	1	EA	$ 6,917.40	$ 6,917.40	$ 20,752.20						
TVIC (Transit Visitor's Information Center)	Shell	Roof	B3011	Single-Ply Tensile PTFE Membrane	Site	3310020	3	2,300	SF	$ 59.56	$ 136,977.70	$ 410,933.09						
TVIC (Transit Visitor's Information Center)	Shell	Roofing	B3015	Single-Ply Membrane, TPO/PVC	Roof	3310015	3	2,790	SF	$ 18.67	$ 52,078.14	$ 156,234.42						
TVIC (Transit Visitor's Information Center)	Shell	Roof Skylight	B3061	per SF of glazing	Roof	3316595	3	250	SF	$ 54.90	$ 13,725.00	$ 41,175.00						
TVIC (Transit Visitor's Information Center)	Interiors	Interior Door	C1031	Steel, Standard	Throughout building	3310039	3	4	EA	$ 658.80	$ 2,635.20	$ 7,905.60	$61,708	3.00	3	$185,123		
TVIC (Transit Visitor's Information Center)	Interiors	Suspended Ceilings	C1071	Acoustical Tile (ACT)	Throughout building	3309995	3	800	SF	$ 3.84	$ 3,074.40	$ 9,223.20						
TVIC (Transit Visitor's Information Center)	Interiors	Toilet Partitions	C1094	Metal	Public Restrooms	3310038	3	3	EA	$ 933.30	$ 2,799.90	$ 8,399.70						
TVIC (Transit Visitor's Information Center)	Interiors	Wall Finishes	C2011	Ceramic Tile	Restrooms	3310031	3	600	SF	$ 19.76	$ 11,858.40	$ 35,575.20						
TVIC (Transit Visitor's Information Center)	Interiors	Wall Finishes	C2017	any surface	Throughout building	3310040	3	5,600	SF	$ 1.65	$ 9,223.20	$ 27,669.60						
TVIC (Transit Visitor's Information Center)	Interiors	Flooring	C2031	any surface, w/ Epoxy Coating	Throughout building	3309996	3	1,400	SF	$ 13.18	$ 18,446.40	$ 55,339.20						
TVIC (Transit Visitor's Information Center)	Interiors	Flooring	C2032	Ceramic Tile	Restrooms	3309997	3	400	SF	$ 19.76	$ 7,905.60	$ 23,716.80						
TVIC (Transit Visitor's Information Center)	Interiors	Flooring	C2037	Carpet, Commercial Standard	Throughout building	3310021	3	700	SF	$ 8.24	$ 5,764.50	$ 17,293.50						
TVIC (Transit Visitor's Information Center)	Plumbing	Water Heater	D2012	Electric, Residential	Utility closet	3310019	3	1	EA	$ 603.90	$ 603.90	$ 1,811.70	$58,897	3.00	3	$176,690		
TVIC (Transit Visitor's Information Center)	Plumbing	Water Heater	D2012	Electric, Residential	Utility closet	3310030	3	1	EA	$ 988.20	$ 988.20	$ 2,964.60						
TVIC (Transit Visitor's Information Center)	Plumbing	Plumbing System	D2014	Supply & Sanitary, Medium Density (excludes fixtures)	Throughout building	3310037	3	2,790	SF	$ 12.08	$ 33,697.62	$ 101,092.86						
TVIC (Transit Visitor's Information Center)	Plumbing	Sink/Lavatory	D2016	Wall-Hung, Vitreous China	Drivers lounge	3310026	3	1	EA	$ 1,647.00	$ 1,647.00	$ 4,941.00						
TVIC (Transit Visitor's Information Center)	Plumbing	Sink/Lavatory	D2016	Wall-Hung, Vitreous China	Restrooms	3309999	3	3	EA	$ 1,647.00	$ 4,941.00	$ 14,823.00						
TVIC (Transit Visitor's Information Center)	Plumbing	Sink/Lavatory	D2016	Service Sink, Floor	Utility closet	3310004	3	1	EA	$ 878.40	$ 878.40	$ 2,635.20						
TVIC (Transit Visitor's Information Center)	Plumbing	Toilet	D2016	Commercial Water Closet	Public Restrooms	3310000	3	3	EA	$ 1,427.40	$ 4,282.20	$ 12,846.60						
TVIC (Transit Visitor's Information Center)	Plumbing	Sink/Lavatory	D2016	Vanity Top, Stainless Steel	Public Restrooms	3310006	3	2	EA	$ 1,317.60	$ 2,635.20	$ 7,905.60						
TVIC (Transit Visitor's Information Center)	Plumbing	Urinal	D2016	Standard	Public Restrooms	3310029	3	1	EA	$ 1,207.80	$ 1,207.80	$ 3,623.40						
TVIC (Transit Visitor's Information Center)	Plumbing	Urinal	D2016	Standard	Restrooms	3310022	3	2	EA	$ 1,207.80	$ 2,415.60	$ 7,246.80						
TVIC (Transit Visitor's Information Center)	Plumbing	Drinking Fountain	D2016	Wall-Mounted, Single-Level	Drivers lounge	3310003	3	1	EA	$ 1,317.60	$ 1,317.60	$ 3,952.80						
TVIC (Transit Visitor's Information Center)	Plumbing	Toilet	D2016	Commercial Water Closet	Restrooms	3310007	3	3	EA	$ 1,427.40	$ 4,282.20	$ 12,846.60						
TVIC (Transit Visitor's Information Center)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3310010	3	1	EA	$ 9,882.00	$ 9,882.00	$ 29,646.00	$46,841	3.00	3	$140,522		
TVIC (Transit Visitor's Information Center)	HVAC	HVAC System	D3055	Ductwork, Medium Density	Throughout building	3310035	3	2,790	SF	$ 4.39	$ 12,253.68	$ 36,761.04						
TVIC (Transit Visitor's Information Center)	HVAC	Packaged Unit	D3055	RTU, Pad or Roof-Mounted	Roof	3310023	3	3	EA	$ 8,235.00	$ 24,705.00	$ 74,115.00						
TVIC (Transit Visitor's Information Center)	Electrical	Distribution Panel	D5023	120/208 V	Throughout building	3310011	3	1	EA	$ 2,196.00	$ 2,196.00	$ 6,588.00	$58,661	3.00	3	$175,982		
TVIC (Transit Visitor's Information Center)	Electrical	Electrical System	D5031	Wiring & Switches, Average or Low Density/Complexity	Throughout building	3310024	3	2,790	SF	$ 2.75	$ 7,658.55	$ 22,975.65						
TVIC (Transit Visitor's Information Center)	Electrical	Standard Fixture w/ Lamp	D5045	any type, w/ LED Replacement	Building exterior	3310008	3	19	EA	$ 241.56	$ 4,589.64	$ 13,768.92						
TVIC (Transit Visitor's Information Center)	Electrical	Interior Lighting System	D5045	Full Upgrade, Medium Density & Standard Fixtures	Throughout building	3310028	3	2,790	SF	$ 8.78	$ 24,507.36	$ 73,522.08						
TVIC (Transit Visitor's Information Center)	Electrical	Security/Surveillance System	D7031	Full System Upgrade, Average Density	Throughout building	3310013	3	2,790	SF	$ 2.20	$ 6,126.84	$ 18,380.52						
TVIC (Transit Visitor's Information Center)	Electrical	Fire Alarm System	D7051	Full System Upgrade, Standard Addressable	Throughout building	3310041	3	2,790	SF	$ 3.29	$ 9,190.26	$ 27,570.78						
TVIC (Transit Visitor's Information Center)	Electrical	Fire Alarm Panel	D7051	Multiplex	Throughout building	3310001	3	1	EA	$ 4,392.00	$ 4,392.00	$ 13,176.00						
TVIC (Transit Visitor's Information Center)	Fixed Furnishing	Residential Appliances	E1061	Refrigerator, 14 to 18 CF	Drivers lounge	3310017	3	1	EA	$ 658.80	$ 658.80	$ 1,976.40	$13,286	3.00	3	$39,857		
TVIC (Transit Visitor's Information Center)	Fixed Furnishing	Casework	E2013	Countertop, Plastic Laminate	Throughout building	3310016	3	50	LF	$ 54.90	$ 2,745.00	$ 8,235.00						
TVIC (Transit Visitor's Information Center)	Fixed Furnishing	Casework	E2013	Cabinetry, Hardwood Standard	Throughout building	3310036	3	30	LF	$ 329.40	$ 9,882.00	$ 29,646.00						
TVIC (Transit Visitor's Information Center)	Site	Sidewalk	G2031	Concrete, Large Areas	Site	3310033	4	1,000	SF	$ 17.57	$ 17,568.00	$ 70,272.00	$22,180	3.79	4	$84,107		
TVIC (Transit Visitor's Information Center)	Site	Park Bench	G2062	Metal Powder-Coated	Site	3310034	3	1	EA	$ 768.60	$ 768.60	$ 2,305.80						
TVIC (Transit Visitor's Information Center)	Site	Park Bench	G2062	Metal Powder-Coated	Site	3310009	3	5	EA	$ 768.60	$ 3,843.00	$ 11,529.00						

TERM Rating Calculation Sheet - LBTCO

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBTCO - Administration Office Building	Substructure	Foundation System, Concrete Slab 2/Perimeter	A1011	Foundation System, Concrete or CMU Walls w/out Foo	Throughout building	3281359	4	163,031	SF	$ 5.23	$ 852,078.26	$ 3,408,313.04	$852,078	4.00	4	$40,507,442	3.30	3
LBTCO - Administration Office Building	Shell	Structural Framing	B1011	Steel Columns & Beams, 8 Story Building	Throughout building	3281316	4	168,031	SF	$ 57.10	$ 9,593,897.98	$ 38,375,591.92	$22,290,628	3.46	3			
LBTCO - Administration Office Building	Shell	Roof Structure	B1021	Flat, Metal Deck Over Bar Joists	Roof	3372914	4	25,000	SF	$ 46.12	$ 1,152,900.00	$ 4,611,600.00						
LBTCO - Administration Office Building	Shell	Exterior Walls	B2011	Stucco Fog Coat, 1-2 Story Building	Roof Mechanical Room E	3281397	3	3,840	SF	$ 3.51	$ 13,492.22	$ 40,476.66						
LBTCO - Administration Office Building	Shell	Curtain Wall	B2014	Aluminum-Framed Glass Spandrel/Granite System	Building Exterior	3281329	3	92,000	SF	$ 120.78	$ 11,111,760.00	$ 33,335,280.00						
LBTCO - Administration Office Building	Shell	Curtain Wall	B2014	Gaskets	Building Exterior	3315217	2	13,860	LF	$ 7.47	$ 103,484.30	$ 206,968.60						
LBTCO - Administration Office Building	Shell	Window	B2022	Ribbon/Banded Style, Aluminum-Framed (by SF)	8th Floor	3281355	3	270	SF	$ 60.39	$ 16,305.30	$ 48,915.90						
LBTCO - Administration Office Building	Shell	Exterior Door	B2051	Aluminum-Framed & Glazed, Standard Swing	Building Exterior	3281322	3	5	EA	$ 1,427.40	$ 7,137.00	$ 21,411.00						
LBTCO - Administration Office Building	Shell	Roofing	B3015	Built-Up	Roof	3281416	2	14,030	SF	$ 15.37	$ 215,669.16	$ 431,338.32						
LBTCO - Administration Office Building	Shell	Roofing	B3015	Modified Bitumen	Roof	3281364	2	6,920	SF	$ 10.98	$ 75,981.60	$ 151,963.20						
LBTCO - Administration Office Building	Interiors	Interior Window	C1022	Fixed, 24 SF	7th floor	3281382	3	2	EA	$ 933.30	$ 1,866.60	$ 5,599.80	$2,481,339	$ 2.79	3			
LBTCO - Administration Office Building	Interiors	Interior Door	C1031	Steel, Fire-Rated at 90 Minutes or Over	Throughout building	3315218	3	50	EA	$ 1,043.10	$ 52,155.00	$ 156,465.00						
LBTCO - Administration Office Building	Interiors	Interior Door	C1031	Wood, Solid-Core	Throughout building	3281369	3	173	EA	$ 768.60	$ 132,967.80	$ 398,903.40						
LBTCO - Administration Office Building	Interiors	Interior Door	C1031	Steel, w/ Extensive Glazing	8th Floor	3281392	3	6	EA	$ 1,043.10	$ 6,258.60	$ 18,775.80						
LBTCO - Administration Office Building	Interiors	Interior Door	C1031	Steel, Fire-Rated at 90 Minutes or Over	Throughout building	3281371	2	1	EA	$ 1,043.10	$ 1,043.10	$ 2,086.20						
LBTCO - Administration Office Building	Interiors	Suspended Ceilings	C1071	Acoustical Tile (ACT)	Throughout building	3281336	3	119,320	SF	$ 3.84	$ 458,546.76	$ 1,375,640.28						
LBTCO - Administration Office Building	Interiors	Suspended Ceilings	C1071	Hard Tile, Replacement w/ ACT	8th Floor	3281413	3	10,480	SF	$ 3.84	$ 40,274.64	$ 120,823.92						
LBTCO - Administration Office Building	Interiors	Suspended Ceilings	C1071	Hard Tile, Replacement w/ ACT	8th Floor-corner office	3281408	2	30	SF	$ 3.84	$ 115.29	$ 230.58						
LBTCO - Administration Office Building	Interiors	Suspended Ceilings	C1071	Acoustical Tile (ACT)	7th Floor 705w conf room	3281346	2	4	SF	$ 3.84	$ 15.37	$ 30.74						
LBTCO - Administration Office Building	Interiors	Toilet Partitions	C1094	Metal	Restrooms	3281311	3	58	EA	$ 54.90	$ 3,184.20	$ 9,552.60						
LBTCO - Administration Office Building	Interiors	Lockers	C1097	Steel-Baked Enamel, 12" W x 15" D x 72" H	Locker Room	3281418	3	49	EA	$ 549.00	$ 26,901.00	$ 80,703.00						
LBTCO - Administration Office Building	Interiors	Wall Finishes	C2011	Ceramic Tile	Throughout building	3281356	3	4,000	SF	$ 19.76	$ 79,056.00	$ 237,168.00						
LBTCO - Administration Office Building	Interiors	Wall Finishes	C2011	Ceramic Tile	Restrooms	3281366	3	308	SF	$ 19.76	$ 6,087.31	$ 18,261.93						
LBTCO - Administration Office Building	Interiors	Wall Finishes	C2012	Wood Paneling	8th Floor	3281407	3	120	SF	$ 4.39	$ 527.04	$ 1,581.12						
LBTCO - Administration Office Building	Interiors	Wall Finishes	C2013	Wallpaper	8th Floor	3281303	3	10,480	SF	$ 2.42	$ 25,315.49	$ 75,946.47						
LBTCO - Administration Office Building	Interiors	Wall Finishes	C2017	any surface	Electrical room-penthouse	3281394	2	400	SF	$ 1.65	$ 658.80	$ 1,317.60						
LBTCO - Administration Office Building	Interiors	Wall Finishes	C2017	any surface	Throughout building	3281376	2	252,050	SF	$ 1.65	$ 415,126.35	$ 830,252.70						
LBTCO - Administration Office Building	Interiors	Flooring	C2031	any surface, w/ Paint or Sealant	Elevator	3281423	2	20	SF	$ 1.65	$ 32.94	$ 65.88						
LBTCO - Administration Office Building	Interiors	Flooring	C2032	Ceramic Tile	Restrooms	3281331	3	120	SF	$ 19.76	$ 2,371.68	$ 7,115.04						
LBTCO - Administration Office Building	Interiors	Flooring	C2032	Ceramic Tile	Throughout building	3281360	3	5,470	SF	$ 19.76	$ 108,109.08	$ 324,327.24						
LBTCO - Administration Office Building	Interiors	Flooring	C2035	Vinyl Tile (VCT)	Throughout building	3281312	3	7,250	SF	$ 5.49	$ 39,802.50	$ 119,407.50						
LBTCO - Administration Office Building	Interiors	Flooring	C2037	Carpet, Commercial Tile	Throughout building	3281321	3	137,750	SF	$ 7.14	$ 983,121.75	$ 2,949,365.25						
LBTCO - Administration Office Building	Interiors	Flooring	C2037	Carpet, Commercial Tile	1st floor	3281308	2	13,510	SF	$ 7.14	$ 96,420.87	$ 192,841.74						
LBTCO - Administration Office Building	Interiors	Ceiling Finishes	C2052	Vinyl	8th Floor	3281380	2	500	SF	$ 2.75	$ 1,372.50	$ 2,745.00						
LBTCO - Administration Office Building	Interiors	Ceiling Finishes	C2057	any flat surface	8th Floor-3rd office	3281334	2	4	SF	$ 2.20	$ 8.78	$ 17.56						
LBTCO - Administration Office Building	Conveyance	Elevator Cab Finishes	D1011	Standard	Elevator	3281373	3	4	EA	$ 9,882.00	$ 39,528.00	$ 118,584.00	$1,466,928	3.00	3			
LBTCO - Administration Office Building	Conveyance	Passenger Elevator	D1011	Overhead Traction, 6-15 Floors	Elevator	3281333	3	4	EA	$ 351,360.00	$ 1,405,440.00	$ 4,216,320.00						
LBTCO - Administration Office Building	Conveyance	Elevator Controls	D1011	Automatic, 1 Car	Elevator	3281319	3	4	EA	$ 5,490.00	$ 21,960.00	$ 65,880.00						
LBTCO - Administration Office Building	Plumbing	Storage Tank	D2011	Domestic Water	Chiller room	3281391	3	1	EA	$ 6,588.00	$ 6,588.00	$ 19,764.00	$2,375,239	3.00	3			
LBTCO - Administration Office Building	Plumbing	Storage Tank	D2011	Domestic Water	Site	3281305	3	1	EA	$ 12,078.00	$ 12,078.00	$ 36,234.00						
LBTCO - Administration Office Building	Plumbing	Water Heater	D2012	Electric, Commercial (12 kW)	Fire riser - 1st floor	3281351	3	1	EA	$ 13,615.20	$ 13,615.20	$ 40,845.60						
LBTCO - Administration Office Building	Plumbing	Water Heater	D2012	Gas, Tankless	Breakroom	3281377	3	14	EA	$ 1,756.80	$ 24,595.20	$ 73,785.60						
LBTCO - Administration Office Building	Plumbing	Pump	D2012	Circulation/Booster, Domestic Water	2nd floor pump room	3281420	3	2	EA	$ 6,697.80	$ 13,395.60	$ 40,186.80						
LBTCO - Administration Office Building	Plumbing	Pump	D2012	Circulation, Domestic Water	Boiler room	3281409	3	1	EA	$ 2,854.80	$ 2,854.80	$ 8,564.40						
LBTCO - Administration Office Building	Plumbing	Water Softener	D2012	Domestic Water	Chiller room	3281304	3	1	EA	$ 23,277.60	$ 23,277.60	$ 69,832.80						
LBTCO - Administration Office Building	Plumbing	Water Heater	D2012	Gas, Commercial (200 MBH)	Boiler room	3281362	3	1	EA	$ 18,226.80	$ 18,226.80	$ 54,680.40						
LBTCO - Administration Office Building	Plumbing	Backflow Preventer	D2014	Domestic Water	Site	3281385	3	1	EA	$ 5,709.60	$ 5,709.60	$ 17,128.80						
LBTCO - Administration Office Building	Plumbing	Plumbing System	D2014	Supply & Sanitary, Medium Density (excludes fixture	Throughout building	3281358	3	168,031	SF	$ 12.08	$ 2,029,478.42	$ 6,088,435.26						
LBTCO - Administration Office Building	Plumbing	Backflow Preventer	D2014	Domestic Water	Throughout building	3281327	3	2	EA	$ 1,537.20	$ 3,074.40	$ 9,223.20						
LBTCO - Administration Office Building	Plumbing	Sink/Lavatory	D2016	Vanity Top, Solid Surface or Vitreous China	Restrooms	3281387	3	48	EA	$ 1,207.80	$ 57,974.40	$ 173,923.20						
LBTCO - Administration Office Building	Plumbing	Sink/Lavatory	D2016	Vanity Top, Stainless Steel	Breakroom	3281422	3	14	EA	$ 1,317.60	$ 18,446.40	$ 55,339.20						
LBTCO - Administration Office Building	Plumbing	Sink/Lavatory	D2016	Vanity Top, Solid Surface or Vitreous China	Breakroom	3281403	3	2	EA	$ 1,207.80	$ 2,415.60	$ 7,246.80						
LBTCO - Administration Office Building	Plumbing	Sink/Lavatory	D2016	Service Sink, Floor	Custodial	3281337	3	2	EA	$ 878.40	$ 1,756.80	$ 5,270.40						
LBTCO - Administration Office Building	Plumbing	Toilet	D2016	Commercial Water Closet	Restrooms	3281367	3	58	EA	$ 1,427.40	$ 82,789.20	$ 248,367.60						
LBTCO - Administration Office Building	Plumbing	Emergency Plumbing Fixtures	D2016	Eye Wash & Shower Station	Chiller room	3281325	3	1	EA	$ 2,525.40	$ 2,525.40	$ 7,576.20						
LBTCO - Administration Office Building	Plumbing	Toilet	D2016	Residential Water Closet	Restrooms	3281414	3	1	EA	$ 768.60	$ 768.60	$ 2,305.80						

TERM Rating Calculation Sheet - LBTCO

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBTCO - Administration Office Building	Plumbing	Shower	D2016	Valve & Showerhead	Restrooms	3281368	3	1	EA	$ 878.40	$ 878.40	$ 2,635.20						
LBTCO - Administration Office Building	Plumbing	Urinal	D2016	Standard	Restrooms	3281313	3	16	EA	$ 1,207.80	$ 19,324.80	$ 57,974.40						
LBTCO - Administration Office Building	Plumbing	Drinking Fountain	D2016	Wall-Mounted, Single-Level	Restrooms	3281400	3	9	EA	$ 1,317.60	$ 11,858.40	$ 35,575.20						
LBTCO - Administration Office Building	Plumbing	Supplemental Components	D2061	Compressed Air Dryer, Process Support	Air handler-penthouse	3281372	3	1	EA	$ 6,148.80	$ 6,148.80	$ 18,446.40						
LBTCO - Administration Office Building	Plumbing	Air Compressor	D2061	Tank-Style	Air handler-penthouse	3281421	3	1	EA	$ 17,458.20	$ 17,458.20	$ 52,374.60						
LBTCO - Administration Office Building	HVAC	BAS/HVAC Controls	D8015	Extensive/Robust BMS or Smart Building System	Throughout building	3281361	2	168,031	SF	$ 6.59	$ 1,106,988.23	$ 2,213,976.46	$5,431,694	2.80	3			
LBTCO - Administration Office Building	HVAC	Boiler	D3021	Gas, HVAC	Boiler room	3281347	3	2	EA	$ 55,778.40	$ 111,556.80	$ 334,670.40						
LBTCO - Administration Office Building	HVAC	Boiler Supplemental Components	D3029	Expansion Tank	Boiler room	3281341	3	1	EA	$ 3,886.92	$ 3,886.92	$ 11,660.76						
LBTCO - Administration Office Building	HVAC	Cooling Tower	D3031	(Typical) Open Circuit	Roof	3281332	3	2	EA	$ 95,855.40	$ 191,710.80	$ 575,132.40						
LBTCO - Administration Office Building	HVAC	Chiller	D3031	Water-Cooled	Chiller room	3281395	3	2	EA	$ 439,200.00	$ 878,400.00	$ 2,635,200.00						
LBTCO - Administration Office Building	HVAC	Split System	D3037	Condensing Unit/Heat Pump	Roof	3281318	3	1	EA	$ 4,392.00	$ 4,392.00	$ 13,176.00						
LBTCO - Administration Office Building	HVAC	Split System	D3037	Condensing Unit/Heat Pump	Roof	3281306	3	2	EA	$ 14,054.40	$ 28,108.80	$ 84,326.40						
LBTCO - Administration Office Building	HVAC	Split System	D3037	Condensing Unit/Heat Pump	Roof	3281330	3	3	EA	$ 23,277.60	$ 69,832.80	$ 209,498.40						
LBTCO - Administration Office Building	HVAC	Split System	D3037	Condensing Unit/Heat Pump	Roof	3281396	3	1	EA	$ 7,795.80	$ 7,795.80	$ 23,387.40						
LBTCO - Administration Office Building	HVAC	Fan Coil Unit	D3051	Hydronic Terminal	Throughout building	3281328	3	8	EA	$ 3,952.80	$ 31,622.40	$ 94,867.20						
LBTCO - Administration Office Building	HVAC	Pump	D3051	Distribution, HVAC Chilled or Condenser Water	Chiller room	3281302	3	2	EA	$ 14,932.80	$ 29,865.60	$ 89,596.80						
LBTCO - Administration Office Building	HVAC	Pump	D3051	Distribution, HVAC Chilled or Condenser Water	Chiller room	3281398	3	2	EA	$ 8,344.80	$ 16,689.60	$ 50,068.80						
LBTCO - Administration Office Building	HVAC	Pump	D3051	Distribution, HVAC Heating Water	Boiler room	3281388	3	2	EA	$ 7,137.00	$ 14,274.00	$ 42,822.00						
LBTCO - Administration Office Building	HVAC	Pump	D3051	Distribution, HVAC Chilled or Condenser Water	Roof	3281353	3	1	EA	$ 6,697.80	$ 6,697.80	$ 20,093.40						
LBTCO - Administration Office Building	HVAC	HVAC System	D3051	Hydronic Piping, 4-Pipe	Throughout building	3281393	3	168,031	SF	$ 8.78	$ 1,475,984.30	$ 4,427,952.90						
LBTCO - Administration Office Building	HVAC	Air Handler	D3055	Interior AHU, Easy/Moderate Access	Air handler-penthouse	3281345	3	2	EA	$ 351,360.00	$ 702,720.00	$ 2,108,160.00						
LBTCO - Administration Office Building	HVAC	HVAC System	D3055	Ductwork, Medium Density	Throughout building	3281315	3	168,031	SF	$ 4.39	$ 737,992.15	$ 2,213,976.45						
LBTCO - Administration Office Building	HVAC	Exhaust Fan	D3063	Centrifugal, 16" Damper	Roof	3281324	3	2	EA	$ 2,635.20	$ 5,270.40	$ 15,811.20						
LBTCO - Administration Office Building	HVAC	Exhaust Fan	D3063	Centrifugal, 24" Damper	Elevator	3281390	3	1	EA	$ 3,294.00	$ 3,294.00	$ 9,882.00						
LBTCO - Administration Office Building	HVAC	Exhaust Fan	D3063	Centrifugal, 12" Damper	Roof	3281343	3	3	EA	$ 1,537.20	$ 4,611.60	$ 13,834.80						
LBTCO - Administration Office Building	Fire Protection	Supplemental Components	D4011	Fire Pump Controller	Fire Pump Room	3281314	3	1	EA	$ 19,544.40	$ 19,544.40	$ 58,633.20	$412,460	$ 3.01	3			
LBTCO - Administration Office Building	Fire Protection	Backflow Preventer	D4011	Fire Suppression	Fire Pump Room	3281363	3	1	EA	$ 11,529.00	$ 11,529.00	$ 34,587.00						
LBTCO - Administration Office Building	Fire Protection	Pump	D4011	Fire Suppression	Fire Pump Room	3281357	3	1	EA	$ 71,370.00	$ 71,370.00	$ 214,110.00						
LBTCO - Administration Office Building	Fire Protection	Fire Suppression System	D4011	Existing Sprinkler Heads, by SF	Throughout building	3281411	3	168,031	SF	$ 1.65	$ 276,747.06	$ 830,241.18						
LBTCO - Administration Office Building	Fire Protection	Pump	D4011	Fire Suppression	Fire Pump Room	3281300	3	1	EA	$ 8,235.00	$ 8,235.00	$ 24,705.00						
LBTCO - Administration Office Building	Fire Protection	Fire Suppression System	D4015	Server Rooms, Special/Chemical/Clean Agent	Fire riser - 1st floor	3281301	3	300	SF	$ 65.88	$ 19,764.00	$ 59,292.00						
LBTCO - Administration Office Building	Fire Protection	Fire Extinguisher	D4033	Type ABC, up to 20 LB	Throughout building	3281424	4	32	EA	$ 164.70	$ 5,270.40	$ 21,081.60						
LBTCO - Administration Office Building	Electrical	Generator	D5011	Diesel	Site	3281323	3	1	EA	$ 131,760.00	$ 131,760.00	$ 395,280.00	$2,903,535	2.49	2			
LBTCO - Administration Office Building	Electrical	Uninterruptible Power Supply	D5012	UPS	Data processing - 1st floor	3281381	3	1	EA	$ 76,860.00	$ 76,860.00	$ 230,580.00						
LBTCO - Administration Office Building	Electrical	Automatic Transfer Switch	D5017	ATS	Electrical room	3281326	3	1	EA	$ 13,176.00	$ 13,176.00	$ 39,528.00						
LBTCO - Administration Office Building	Electrical	Automatic Transfer Switch	D5017	ATS	Electrical room	3281410	3	1	EA	$ 13,176.00	$ 13,176.00	$ 39,528.00						
LBTCO - Administration Office Building	Electrical	Automatic Transfer Switch	D5017	ATS	Electrical room	3281384	3	1	EA	$ 9,333.00	$ 9,333.00	$ 27,999.00						
LBTCO - Administration Office Building	Electrical	Switchboard	D5021	277/480 V	Elevator	3281309	3	1	EA	$ 38,430.00	$ 38,430.00	$ 115,290.00						
LBTCO - Administration Office Building	Electrical	Secondary Transformer	D5021	Dry, Stepdown	Electrical room	3281335	3	3	EA	$ 8,344.80	$ 25,034.40	$ 75,103.20						
LBTCO - Administration Office Building	Electrical	Switchboard	D5021	120/208 V	Electrical room	3281386	3	1	EA	$ 87,840.00	$ 87,840.00	$ 263,520.00						
LBTCO - Administration Office Building	Electrical	Secondary Transformer	D5021	Dry, Stepdown	Electrical room	3281339	3	2	EA	$ 7,356.60	$ 14,713.20	$ 44,139.60						
LBTCO - Administration Office Building	Electrical	Secondary Transformer	D5021	Dry, Stepdown	Electrical room	3281344	3	1	EA	$ 10,980.00	$ 10,980.00	$ 32,940.00						
LBTCO - Administration Office Building	Electrical	Secondary Transformer	D5021	Dry, Stepdown	Electrical room-2nd floor	3281406	3	1	EA	$ 6,588.00	$ 6,588.00	$ 19,764.00						
LBTCO - Administration Office Building	Electrical	Secondary Transformer	D5021	Dry, Stepdown	Electrical room	3281338	3	1	EA	$ 41,724.00	$ 41,724.00	$ 125,172.00						
LBTCO - Administration Office Building	Electrical	Switchboard	D5021	277/480 V	Electrical room	3281352	3	1	EA	$ 164,700.00	$ 164,700.00	$ 494,100.00						
LBTCO - Administration Office Building	Electrical	Switchboard	D5021	277/480 V	Electrical room-penthouse	3281399	3	1	EA	$ 82,350.00	$ 82,350.00	$ 247,050.00						
LBTCO - Administration Office Building	Electrical	Distribution Panel	D5023	277/480 V	Electrical room	3281317	3	1	EA	$ 5,819.40	$ 5,819.40	$ 17,458.20						
LBTCO - Administration Office Building	Electrical	Motor Control Center	D5023	w/ Main Breaker	Electrical room-penthouse	3281370	3	1	EA	$ 16,470.00	$ 16,470.00	$ 49,410.00						
LBTCO - Administration Office Building	Electrical	Distribution Panel	D5023	277/480 V	Electrical room	3281349	3	1	EA	$ 10,980.00	$ 10,980.00	$ 32,940.00						
LBTCO - Administration Office Building	Electrical	Distribution Panel	D5023	120/240 V	Data processing - 1st floor	3281342	3	1	EA	$ 6,039.00	$ 6,039.00	$ 18,117.00						
LBTCO - Administration Office Building	Electrical	Electrical System	D5031	Wiring & Switches, Average or Low Density/Complexity	Throughout building	3281365	3	168,031	SF	$ 2.75	$ 461,245.10	$ 1,383,735.30						
LBTCO - Administration Office Building	Electrical	Variable Frequency Drive	D5039	VFD, by HP of Motor	Chiller room	3281310	3	2	EA	$ 9,662.40	$ 19,324.80	$ 57,974.40						
LBTCO - Administration Office Building	Electrical	Variable Frequency Drive	D5039	VFD, by HP of Motor	Air handler-penthouse	3281415	3	1	EA	$ 18,666.00	$ 18,666.00	$ 55,998.00						
LBTCO - Administration Office Building	Electrical	Variable Frequency Drive	D5039	VFD, by HP of Motor	Chiller room	3281402	3	2	EA	$ 13,615.20	$ 27,230.40	$ 81,691.20						
LBTCO - Administration Office Building	Electrical	Variable Frequency Drive	D5039	VFD, by HP of Motor	Air handler-penthouse	3281404	3	2	EA	$ 41,724.00	$ 83,448.00	$ 250,344.00						
LBTCO - Administration Office Building	Electrical	Variable Frequency Drive	D5039	VFD, by HP of Motor	2nd floor pump room	3281401	3	2	EA	$ 5,819.40	$ 11,638.80	$ 34,916.40						

TERM Rating Calculation Sheet - LBTCO

Facility	Primary Level	Secondary Level	Uniformat Code	Component Detail	Location Description	TERM ID	Inspection Assigned TERM Scale Rating	Quantity	Unit	Unit Cost	Replacement Total Cost (2021 Dollars)	Rating Num x Replacement Cost	Primary Level Replacement Cost	Primary Level Calculated Rating	Primary Level FTA Rounded Rating	Facility Replacement Cost	Facility Calculated Rating	Facility FTA Rounded Rating
LBTCO - Administration Office Building	Electrical	Variable Frequency Drive	D5039	VFD, by HP of Motor	Roof	3281405	3	2	EA	$ 13,615.20	$ 27,230.40	$ 81,691.20						
LBTCO - Administration Office Building	Electrical	Standard Fixture w/ Lamp	D5045	any type, w/ LED Replacement	Building exterior	3281419	3	6	EA	$ 208.62	$ 1,251.72	$ 3,755.16						
LBTCO - Administration Office Building	Electrical	Standard Fixture w/ Lamp	D5045	any type, w/ LED Replacement	Building exterior	3281374	3	6	EA	$ 208.62	$ 1,251.72	$ 3,755.16						
LBTCO - Administration Office Building	Electrical	Emergency & Exit Lighting	D5045	Exit Sign, LED	Throughout building	3281354	3	84	EA	$ 241.56	$ 20,291.04	$ 60,873.12						
LBTCO - Administration Office Building	Electrical	Interior Lighting System	D5045	Full Upgrade, Medium Density & Standard Fixtures	Throughout building	3281378	2	168,031	SF	$ 8.78	$ 1,475,984.30	$ 2,951,968.60						
LBTCO - Administration Office Building	Detection and Alarm	Security/Surveillance System	D7031	Full System **Upgrade, Average Density**	Throughout building	3281348	3	168,031	SF	$ 2.20	$ 368,996.08	$ 1,106,988.24	$1,899,880	3.00	3			
LBTCO - Administration Office Building	Detection and Alarm	Security/Surveillance System	D7031	Full System Upgrade, Average Density	Throughout building	3281307	3	168,031	SF	$ 2.20	$ 368,996.08	$ 1,106,988.24						
LBTCO - Administration Office Building	Detection and Alarm	Fire Alarm Panel	D7051	Fully Addressable	Data processing - 1st floor	3281320	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00						
LBTCO - Administration Office Building	Detection and Alarm	Fire Alarm Panel	D7051	Fully Addressable	Fire Control Room	3281425	3	1	EA	$ 27,450.00	$ 27,450.00	$ 82,350.00						
LBTCO - Administration Office Building	Detection and Alarm	Fire Alarm System	D7051	Full System Upgrade, Advanced Addressable	Throughout building	3281389	3	168,031	SF	$ 6.59	$ 1,106,988.23	$ 3,320,964.69						
LBTCO - Administration Office Building	Fixed Furnishings	Casework	E2013	Cabinetry, Hardwood Standard	8th Floor	3281379	3	129	LF	$ 329.40	$ 42,492.60	$ 127,477.80	$104,832	3.00	3			
LBTCO - Administration Office Building	Fixed Furnishings	Casework	E2013	Countertop, Natural Stone	8th Floor	3281350	3	93	LF	$ 137.25	$ 12,764.25	$ 38,292.75						
LBTCO - Administration Office Building	Fixed Furnishings	Fixed Seating	E2017	Auditorium/Theater, Metal Cushioned Standard	Throughout building	3281412	3	129	EA	$ 384.30	$ 49,574.70	$ 148,724.10						
LBTCO - Administration Office Building	Site	Parking Lots	G2021	Pavement, Asphalt	Site	3281417	3	59,000	SF	$ 3.84	$ 226,737.00	$ 680,211.00	$288,829	2.90	3			
LBTCO - Administration Office Building	Site	Parking Lots	G2021	Pavement, Asphalt	Site	3281375	2	59,000	SF	$ 0.49	$ 29,151.90	$ 58,303.80						
LBTCO - Administration Office Building	Site	Park Bench	G2062	Precast Concrete	Site	3281340	3	10	EA	$ 1,098.00	$ 10,980.00	$ 32,940.00						
LBTCO - Administration Office Building	Site	Pole Light Fixture w/ Lamps	G4051	any type 20' High, w/ LED Replacement	Site	3281383	3	5	EA	$ 4,392.00	$ 21,960.00	$ 65,880.00						

Appendix E:
Performance Measure Targets

LONG BEACH TRANSIT

Performance Measure Targets 2021 / 2022

Section Number	Section Name	Performance Measure	2021 Target (%)	2021 Performance (%)	2021 Difference	2022 Target (%)	N/A
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	AB - Articulated Bus	0.00	0.00	0.00	0.00	No
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	AO - Automobile	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	BR - Over-the-road Bus	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	BU - Bus	30.00	42.18	12.18	42.37	No
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	CU - Cutaway	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	DB - Double Decker Bus	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	MV - Minivan	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	OR - Other	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	SB - School Bus	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	SV - Sports Utility Vehicle	N/A				Yes
1	Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark	VN - Van	100.00	0.00	-100.00	90.00	No
2	Equipment - Percent of service vehicles that have met or exceeded their useful life benchmark	Automobiles	77.00	100.00	23.00	100.00	No
2	Equipment - Percent of service vehicles that have met or exceeded their useful life benchmark	Trucks and other Rubber Tire Vehicles	22.00	28.57	6.57	47.22	No
2	Equipment - Percent of service vehicles that have met or exceeded their useful life benchmark	Steel Wheel Vehicles	N/A				Yes
3	Facility - Percent of facilities rated below 3 on the condition scale	Passenger / Parking Facilities	N/A				Yes
3	Facility - Percent of facilities rated below 3 on the condition scale	Administrative / Maintenance Facilities	0.00	0.00	0.00	0.00	No

APPENDIX D

SAFETY RISK ASSESSMENT MATRIX

Example Risk Assessment Matrix

Likelihood			Severity 4 Catastrophic	Severity 3 Serious	Severity 2 Marginal	Severity 1 Negligible
	A	Frequent (0.16-0.28)				
	B	Probable (0.08-0.15)				
	C	Occasional (0.04-0.07)				
	D	Remote (0.001-0.03)				
	E	Improbable (0.00)				

Likelihood Levels Chart	
Description	Individual Item
Frequent	Likely to occur often in the lifetime of an item.
Probable	Will occur several times in the lifetime of an item.
Occasional	Likely to occur sometime in the life of an item.
Remote	Unlikely, but possible to occur in the life of an item
Improbable	So unlikely, it can be assumed occurrences may not be experienced in the life of an item.

Severity Chart	
Description	Criteria
Extensive	Accidents which result in death or injuries requiring extensive hospitalization and/or an extensive amount of property damage.
Major	Accidents with injuries requiring hospitalization or extensive attention by a physician and/or a substantial amount of property damage.
Minor	Accidents with no injuries or minor injuries requiring only first aid treatment and/or a minor amount of property damage.
Minimal	Accidents with no injuries and a minimum amount of property damage (exp. Broken bus mirror)

Risk Chart					
LOW	Acceptable with Review: Safety risk is acceptable pending management review.	MEDIUM	Undesirable - Management Decision: Executive management must decide whether to accept safety risk with monitoring or require additional action.	HIGH	Unacceptable - Action Required: Safety risk must be mitigated or eliminated.

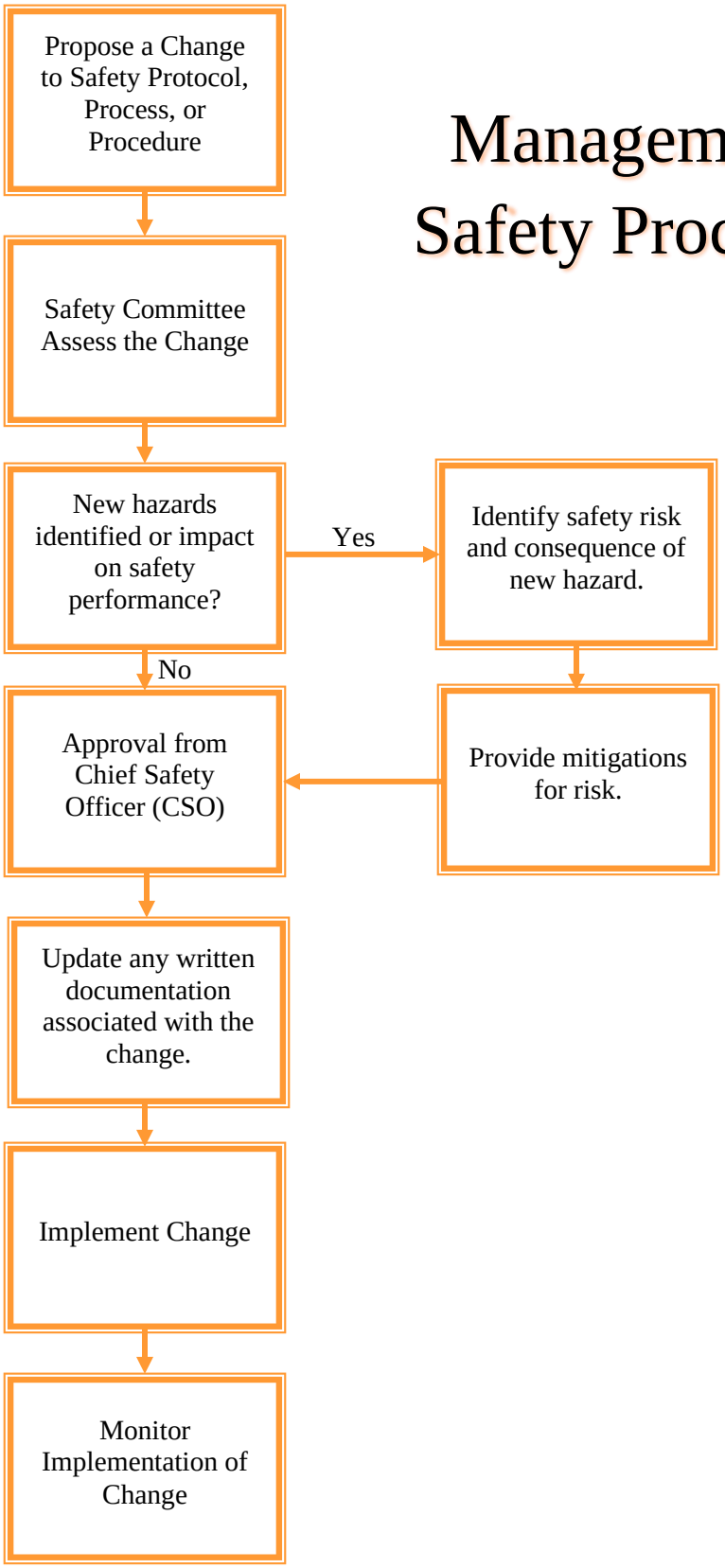
Risk Category	Risk Description	Current Mitigations Implemented	Risk Rating Likelihood	Risk Rating Severity	Risk Rating Index (Severity + Likelihood)	Additional Mitigation Needed	Responsibility
B-Between Intersections	Head on • Sideswipe - bus passing OV • Sideswipe - bus and OV from opposite direction • Sideswipe - OV passing bus • Collision - OV cutting into bus • Collision with vehicle pulling to/from curb or driveway • Collision with vehicle parked at curb (includes open doors) • All other between	Training • Effective Bus Route Planning • Visual Aid Mirrors on Bus • Exterior Lights on Bus • Pre-Bus Inspections • Annual Health Assessments on Operators • Quarterly Meeting Reviews	B	1	B1		• Supervisor • Safety

EXAMPLE

APPENDIX E

MANAGEMENT OF CHANGE SAFETY PROCESS FLOW CHART

Management of Change Safety Process Flow Chart



APPENDIX F

DEFINITIONS

Appendix F: Definitions of Terms Used in the Safety Plan

Accident means an Event that involves any of the following: A loss of life; a report of a serious injury to a person; a collision of public transportation vehicles; a runaway train; an evacuation for life safety reasons; or any derailment of a rail transit vehicle, at any location, at any time, whatever the cause.

Accountable Executive means a single, identifiable person who has ultimate responsibility for carrying out the Public Transportation Agency Safety Plan of a public transportation agency; responsibility for carrying out the agency's Transit Asset Management Plan; and control or direction over the human and capital resources needed to develop and maintain both the agency's Public Transportation Agency Safety Plan, in accordance with 49 U.S.C. 5329(d), and the agency's Transit Asset Management Plan in accordance with 49 U.S.C. 5326.

Agency Safety Plan means the documented comprehensive agency safety plan for a transit agency that is required by 49 U.S.C. 5329 and Part 673.

Assault means an unlawful attempt, coupled with a present ability, to commit a violent injury on the person of another.[8]

Assault on a Transit Worker means a circumstance in which an individual knowingly, without lawful authority or permission, and with the intent to endanger the safety of any individual or with a reckless disregard for the safety of human life, interferes with, disables, or incapacitates a transit worker while the transit working is performing the duties of the transit worker.[16]

Battery means any willful and unlawful use of force or violence upon the person of another.[9]

Chief Safety Officer means an adequately trained individual who has responsibility for safety and reports directly to a transit agency's chief executive officer, general manager, president, or equivalent officer. A Chief Safety Officer may not serve in other operational or maintenance capacities, unless the Chief Safety Officer is employed by a transit agency that is a small public transportation provider as defined in Part 673, or a public transportation provider that does not operate a rail fixed guideway public transportation system.

Emergency means, as defined under 49 U.S.C. 5324, a natural disaster affecting a wide area (such as a flood, hurricane, tidal wave, earthquake, severe storm, or landslide) or a catastrophic failure from any external cause, as a result of which the Governor of a State has declared an emergency and the Secretary has concurred; or the President has declared a major disaster under section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. 5170).

---

[8] California Legislative Information, "Penal Code, Part1. Of Crimes and Punishment, Title 8. Of Crimes Against the Person, Chapter 9. Assaults and Battery, Section 240", Codes Display Text (ca.gov)

[9] California Legislative Information, "Penal Code, Part1. Of Crimes and Punishment, Title 8. Of Crimes Against the Person, Chapter 9. Assaults and Battery, Section 242", Codes Display Text (ca.gov)

Equivalent Entity means an entity that carries out duties similar to that of a Board of Directors, for a recipient or subrecipient of FTA funds under 49 U.S.C. Chapter 53, including sufficient authority to review and approve a recipient or subrecipient's Agency Safety Plan.

Event means any Accident, Incident, or Occurrence.

Hazard means any real or potential condition that can cause injury, illness, or death; damage to or loss of the facilities, equipment, rolling stock, or infrastructure of a public transportation system; or damage to the environment.

Incident means an event that involves any of the following: A personal injury that is not a serious injury; one or more injuries requiring medical transport; or damage to facilities, equipment, rolling stock, or infrastructure that disrupts the operations of a transit agency.

Infectious Disease means an illness due to a pathogen or its toxic products, which arise through transmission from an infected person, an infected animal, or a contaminated inanimate object to a susceptible host.

Investigation means the process of determining the causal and contributing factors of an accident, incident, or hazard for the purpose of preventing recurrence and mitigating risk.

National Public Transportation Safety Plan means the plan to improve the safety of all public transportation systems that receive Federal financial assistance under 49 U.S.C. Chapter 53.

Near Miss means a narrowly avoided safety event.

Occurrence means an Event without any personal injury in which any damage to facilities, equipment, rolling stock, or infrastructure does not disrupt the operations of a transit agency.

Operator of a public transportation system means a provider of public transportation as defined under 49 U.S.C. 5302(14).

Performance Measure means an expression based on a quantifiable indicator of performance or condition that is used to establish targets and to assess progress toward meeting the established targets.

Performance Target means a quantifiable level of performance or condition, expressed as a value for the measure, to be achieved within a time period required by the FTA.

Safety Risk means the composite of predicted severity and likelihood of the potential effect of a hazard.

Risk Mitigation means a method or methods to eliminate or reduce the effects of hazards.

Roadway means land on which rail transit tracks and support infrastructure have been constructed to support the movement of rail transit vehicles, excluding station platforms.

Robbery means the taking or attempting to take, of anything of value under confrontational circumstances from the control, custody, or care of another person by force or violence or by putting the victim in fear of immediate harm.[10]

Safety Assurance means processes within a transit agency's Safety Management System that functions to ensure the implementation and effectiveness of safety risk mitigation, and to ensure that the transit agency meets or exceeds its safety objectives through the collection, analysis, and assessment of information.

Safety Committee Meeting means a group of joint labor-management personnel consisting of an equal number of frontline employee representatives, selected by the labor organization representing the plurality of the frontline workforce employed by the recipient or, if applicable, a contractor to the recipient, to the extent frontline employees are represented by labor organizations; and management representatives; and have, at a minimum , responsibility for to identifying and recommending risk-based mitigations or strategies necessary to reduce the likelihood and severity of consequences identified through the agency's safety risk assessment; identifying mitigations or strategies that may be ineffective, inappropriate, or were not implemented as intended; and, identifying safety deficiencies for purpose of continuous improvement.

Safety Management Policy means a transit agency's documented commitment to safety, which defines the transit agency's safety objectives and the accountabilities and responsibilities for the management of safety.

Safety Management System (SMS) means the formal, organization-wide approach to managing safety risk and assuring the effectiveness of a transit agency's safety risk mitigation. SMS includes systematic procedures, practices, and policies for managing hazards and safety risk.

Safety Management System (SMS) Executive means a Chief Safety Officer or an equivalent.

Safety Performance Target (SPT) means a performance target related to safety management activities.

Safety Promotion means a combination of training and communication of safety information to support SMS as applied to the transit agency's public transportation system.

Safety Risk Assessment means the formal activity whereby a transit agency determines Safety Risk Management priorities by establishing the significance or value of its safety risks.

Safety Risk Management (SRM) means a process within a transit agency's Public Transportation Agency Safety Plan for identifying hazards and analyzing, assessing, and mitigating the safety risk of their potential consequences.

[10] Federal Transit Administration, U.S. Department of Transportation, National Transit Database, Safety & Security Policy Manual, March 2023 & 49 U.S.C. 5302.

Serious Injury means any injury which: (1) requires hospitalization for more than 48 hours, commencing within 7 days from the date when the injury was received; (2) results in a fracture of any bone (except simple fractures of fingers, toes, or noses); (3) causes severe hemorrhages, nerve, muscle, or tendon damage; (4) involves any internal organ; or (5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

State means a State of the United States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, Guam, American Samoa, and the Virgin Islands.

Transit Agency means an operator of a public transportation system that is a recipient or subrecipient of Federal financial assistance under 49 U.S.C. 5307 or a rail transit agency.

Transit Asset Management Plan means 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, as required by 49 U.S.C. 5326 and 49 CFR Part 625.

Transit Worker means any employee, contractor, or volunteer working on behalf of the transit agency.

RECOMMENDED ACTION

To approve an update to LBT's Procurement Policy to delegate to the President and CEO the authority to approve all annual and multi-year renewals of software and hardware license and maintenance agreements.

STAFF REPRESENTATIVE

Joanna Bould, Manager, Procurement

BACKGROUND

Long Beach Transit (LBT) uses numerous software and hardware applications that support its day-to-day business activities. Many of these applications require licensing and maintenance services that are renewed on an annual basis.

This contract structure is unique to IT agreements, which are complex agreements often involving the development or resale of propriety software. Many of the development costs of this software are recovered by vendors through licensing subscription costs and providing ongoing maintenance service coverage. LBT's IT department oversees these recurring costs, and LBT Procurement tracks expiration dates to ensure renewals are completed on time.

There are several types of licensing and maintenance fees utilized within LBT's IT agreements. Some software companies require each user to have a unique license, which is paid in advance for the upcoming year. Other software companies grant LBT a conditional license to use the product in perpetuity. Many of these agreements include ongoing product support and upgrades for an annual subscription fee. Additionally, many of these agreements offer discounted pricing if LBT agrees to a multi-year renewal as opposed to a single-year renewal. Not only does this reduce costs, it also reduces the administrative burden of renewing software and hardware applications each year.

Below is a table showing agreements over $50,000 that renew annually:

Description	Vendor	Annual Cost
Ellipse Software Annual Support	COSOL	$198,288
Verizon - Cellular Cards on vehicles for routers	Verizon Wireless	$127,718
Cloud Backup 24 Hour Back Logs	Open Text Inc. (Carbonite)	$98,680
Varonis Software Subscription - AI that monitors and classifies critical data, removes exposures, and prevents threats in real time.	EPlus Technology Inc.	$93,881
Verizon Business - Staff Cell Phones	Verizonwireless.com	$71,553

It is in LBT's best interest to retain continuity in this software. Many systems are critical to LBT's operations and require 24/7 uptime. Ensuring software continuity requires the prompt renewal of expiring licenses and maintenance coverages. However, over time, these purchases may add up to an amount that exceeds the President and CEO's acquisition threshold limit of $250,000. Staff are therefore requesting the Board to approve the President and CEO to have the authority to approve all renewals of software and hardware licenses and maintenance agreements. This would also align with the standard industry practice.

New software or hardware agreements costing in excess of $250,000 per year or more, or that otherwise would have a material effect on LBT, will continue to be brought to the Board of Directors for approval.

BUDGETARY/FISCAL IMPACT

There is no increased cost related to approving this policy. However, LBT anticipates a decrease in costs for implementing this change as it will enable the agency to run more efficiently, reducing turnaround times on renewals and the associated administrative obligations.

ALTERNATIVES CONSIDERED

The Board of Directors could maintain the current CEO authorization. This is not recommended as it will prevent LBT from efficiently renewing software and hardware license and maintenance agreements.

STAFF RECOMMENDATION

Staff is requesting LBT's Board of Directors to approve an update to LBT's Procurement Policy to delegate to the President and CEO the authority to approve all renewals of software and hardware license and maintenance agreements.

Kenneth A. McDonald
President and Chief Executive Officer