

LOGAN - CACHE AIRPORT AUTHORITY BOARD MEETING
APRIL 4, 2024
MINUTES

The Logan-Cache Airport Authority Board convened in a regular session on Thursday, April 4, 2024 at 8:30 a.m. in the Cache County Historic Courthouse, County Council Chambers, 199 North Main, Logan, Utah.

ATTENDANCE

Members of the Airport Authority Board in Attendance:

John Kerr – Chair, At-large – Appointed by Airport Authority Board
Mayor Holly Daines – Logan City
Karl Ward – Cache County Council
Jeannie F. Simmonds – Logan City Council
Ryan Snow – Appointed by Cache County

Members of the Airport Authority Board Absent:

Brett Hugie – Vice Chair, Appointed by Logan City
David Zook – Cache County Executive

Also in Attendance:

Bob Low – Airport Manager
Taylor Sorensen – Interim Cache County Attorney
Dirk Anderson – Cache County Executive Office
Shawn Milne – Regional Economic Development
Judd Hill – Armstrong/Lochner
Connor Butterfield – Armstrong/Lochner
Baron Wesemann – USU Aviation
Brandon Parish – USU Aviation
Austin Bockting – USU Aviation
Aloha Allen – USU Aviation
Kan Okabe – USU Aviation
Scott Weaver – Leading Edge Aviation
Taylor Woodall – The Bear Aviation LLC
Kim Silvester – J-U-B Engineering
Janeen Allen – Minutes

1. CALL TO ORDER

Chairman John Kerr called the meeting to order at 8:30 a.m.

2. ACTION ITEMS

a. **APPROVAL OF MINUTES – February 1, 2024**

Chairman Kerr deferred the approval of the minutes until a quorum of board members was present which took place at 8:35 am right after the manager's report was presented.

ACTION: Motion was made by Karl Ward and seconded by Jeannie Simmonds to approve the minutes of February 1, 2024 as written. The vote in favor was unanimous, 5-0 (Brett Hugie and David Zook absent for vote)

3. MANAGER'S REPORT

Mr. Low began his report discussing the snow removal activities over the winter. He received a statement from Cache County Public Works showing the cost of their snowplow services covering January and February of this year. The statement is a part of these minutes as **Attachment A**.

According to the statement, \$14,826 costs in labor and equipment need to be reimbursed to the Public Works Department. It was a light snow year and the airport did well through the winter with Cache County providing the snow removal services. Current repair bills for airport snow removal equipment are approximately \$1900.

The airport has had paragliders as the weather has started to warm up. Mr. Low spent some time familiarizing them with airport schedules, traffic patterns for airplanes and helicopters, and safe entrances and exits. There have been some problems with the group including one illegally dropping a parachuter. The paraglider was promptly educated on FAA regulations pertaining to paragliding activities at the airport. Mr. Low believes there will continue to be paraglider traffic with the warmer weather.

Hangar A-29 is up for sale. The sellers have been provided the Hangar Wait List and are in the process of contacting potential buyers.

Mr. Low is currently working on a Title 6 program as it is a requirement for the airport. He is customizing it to fit the Logan-Cache Airport.

Mr. Low also extended an invitation to the members of the board to come and take a tour of the airport. He is happy to show anyone around and discuss traffic patterns, operations, etc.

8:35 a.m. Mayor Holly Daines arrived

a. **LANDING FEE APPROVAL – VECTOR – HELENA GLENN**

Chairman Kerr deferred this item at the request of the consultant until the Airport Authority Board meeting in May.

4. DISCUSSION ITEMS

a. **MASTER PLAN UPDATE – JUDD HILL**

Mr. Hill addressed the Board regarding the Airport Master Plan. The presentation is part of the minutes as **Attachment B**. He said that the Technical Advisory Committee (TAC) will be meeting again in the next couple of weeks. They will go over different ideas and alternatives and come up with a recommendation for the final airport layout. They will also be looking at federal and state funding.

Regarding runways, prevailing winds favor the north-south runway and the FAA only funds the north-south runway. The airport is extremely busy and there is a significant discrepancy between how busy the FAA says it is and what the actual data shows. In fact, the Logan-Cache Airport is the fourth busiest airport in the region. It would be beneficial to build a second parallel north-south runway, but it is not cost effective to do so. An alternative option would be to install a control tower and use the crosswind runway more than it is currently being used.

The TAC is reviewing all of these factors right now and their final report will contain a narrative and an airport layout plan set along with a funding plan. The airport website will contain a link to the Master Plan once it is released.

Layout plan sets will also go through analysis by the FAA. The Master Plan is a 20-year layout plan and needs to be updated every ten to twenty years. The FAA pays 90% of the cost for the Master Plan update.

b. **CAPITAL IMPROVEMENT PLAN (CIP) SCHEDULE – ARMSTRONG – JUDD HILL**

Hill showed the CIP schedule to the Board (see **Attachment C**). Connor Butterfield reported that the next CIP project (signage upgrade) will begin the week of April 15th. It is a 30-day project that will not shut down the airport but there will be intermittent closures of runways.

Mayor Daines asked how airport users are informed about projects and closures. Hill responded by saying that the Airport Authority meeting is one way they are informed, but they also issue NOTAMs so pilots are aware of runway conditions and closures.

There is money from UDOT this year for painting remarking projects that are required as per the last 139 Inspection. The main runway, as well as taxiways Bravo, Delta and Alpha will be covered in these projects (see **Attachment D**). The amount is roughly \$150,000 with a 70-30 local match. These projects will take place this year and NOTAMs about closures will be issued before and during their completion.

Hill also noted that the Capital Improvement Plan is part of the Master Plan.

c. **INDIA LAYOUT – ARMSTRONG – JUDD HILL**

Discussions about this layout started back in 2017. They are looking at a modified layout that leaves the existing entrance road the same as opposed some previous

modification layouts that showed other entrance roads. Hill explained the layout options as seen on the map (see **Attachment E**).

d. **ECHO HANGAR REQUEST – STEVE ANDERSON**

Chairman Kerr said that with the layout options just discussed, it is necessary to table the hangar request on Echo by Steve Anderson until the Master Plan is released.

e. **UNION PACIFIC UPDATE – TAYLOR SORENSEN**

Sorensen said he provided information back from Union Pacific between February and today which he forwarded to board members. We are basically in a dispute with exactly what property is owned by Union Pacific and what is owned by the airport. At that time, several board members wanted to retain a surveyor to re-survey the disputed property.

Mayor Daines noted that in the last legislative session there was a new division created within the Department of Transportation to deal solely with roads and Union Pacific issues. She thought it would be beneficial to approach them and see if they would be able to help the airport in this situation.

Sorensen continued saying, at this point, Union Pacific is waiting on our end to see if we will have the property surveyed again. Sorensen asked the Board if that is how they would like to proceed. He recommended a new survey showing the actual acreage owned by Union Pacific in order to continue with the negotiations over the cost of the easement. Chairman Kerr added that he and Bob Low met with a surveyor last week who agreed to put the airport at the top of the list. He estimated the cost to be around \$3000 for the survey.

Discussion followed about the survey and the land. Hill provided some documentation from old deeds and maps that helped to show that having a new survey would probably help to clarify the issue of land ownership (see **Attachment F**).

ACTION: Motion was made by Jeannie Simmonds and seconded by Mayor Holly Daines to approve payment on a survey of the airport property and to approach UDOT for assistance in the negotiating process with Union Pacific. The vote in favor was unanimous, 5-0 (Brett Hugie and David Zook absent for vote)

Sorensen said that once the survey is done, he will be the one to continue negotiations with Union Pacific.

f. **AIRPORT ASSESSMENT PROGRESS REPORT – DR. MIKE JONES**

Chairman Kerr said that Dr. Jones has and is meeting with individuals on the Board regarding his assessment report. He will then prepare his presentation to deliver at the May 2nd Airport Authority Board meeting as the primary agenda item.

In anticipation of a lengthy presentation, the meeting is scheduled to begin at 7:30 am and go for two hours.

g. OPEN ITEMS

Baron Wesemann that there will be a Hangar Hop on April 13th which will feature big band music and will be a great fundraiser for the flight team.

Girls Aviation Day will be September 21st.

He introduced Aloha Allen, Project Manager for the Run the Runway 5K Event. She addressed the Council and requested the date of September 14th to hold the run at the airport on Runway 10/28 starting at 7:00 am.

h. COMMITTEE REPORTS:

Audit & Finance – David Zook

No report

Operations Committee – Kim Hall

No report

Capital Improvements

No report

Economic Development / Public Relations

No report

4. NEXT SCHEDULED BOARD MEETING

Thursday, May 2, 2024 at 7:30 a.m. – Cache Historic Courthouse, Council Chambers

5. ADJOURNMENT

The meeting adjourned at 9:33 a.m.

LOGAN – CACHE AIRPORT AUTHORITY BOARD
APRIL 4, 2024

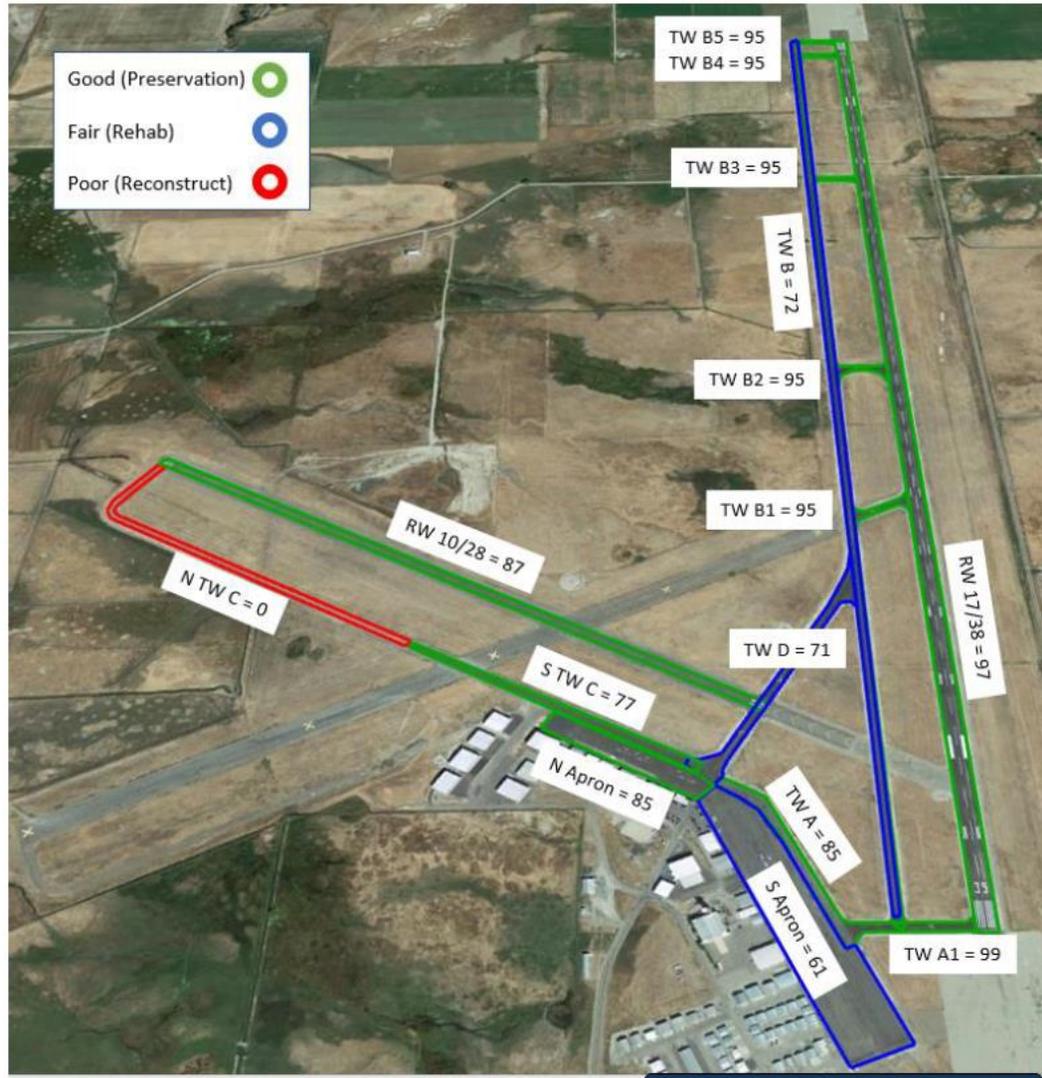
ATTACHMENT A

LOGAN – CACHE AIRPORT AUTHORITY BOARD
APRIL 4, 2024

ATTACHMENT B

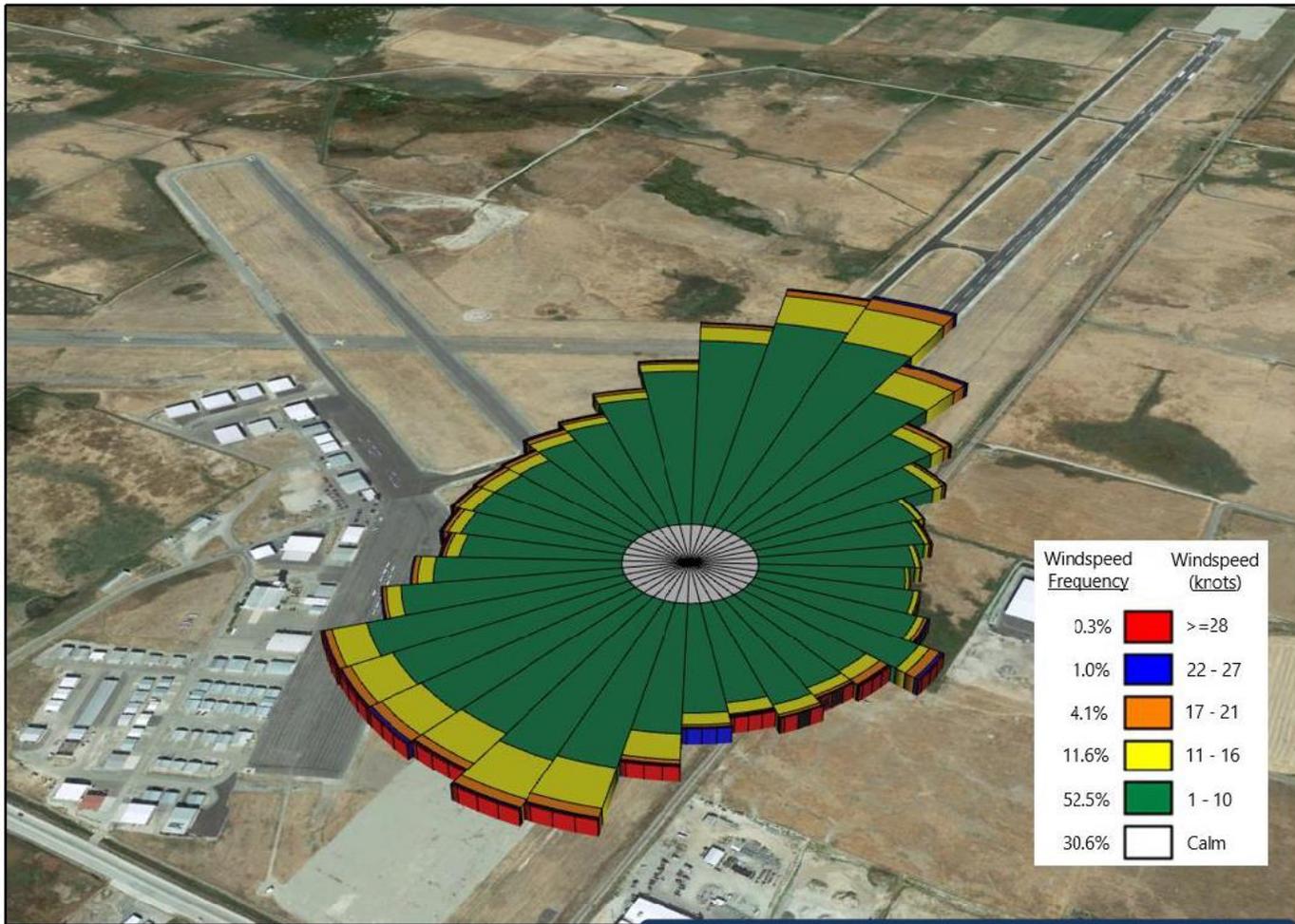
Airport Master Plan Update





Source: UDOT 2022

Figure 2-10 Pavement Condition Index Map



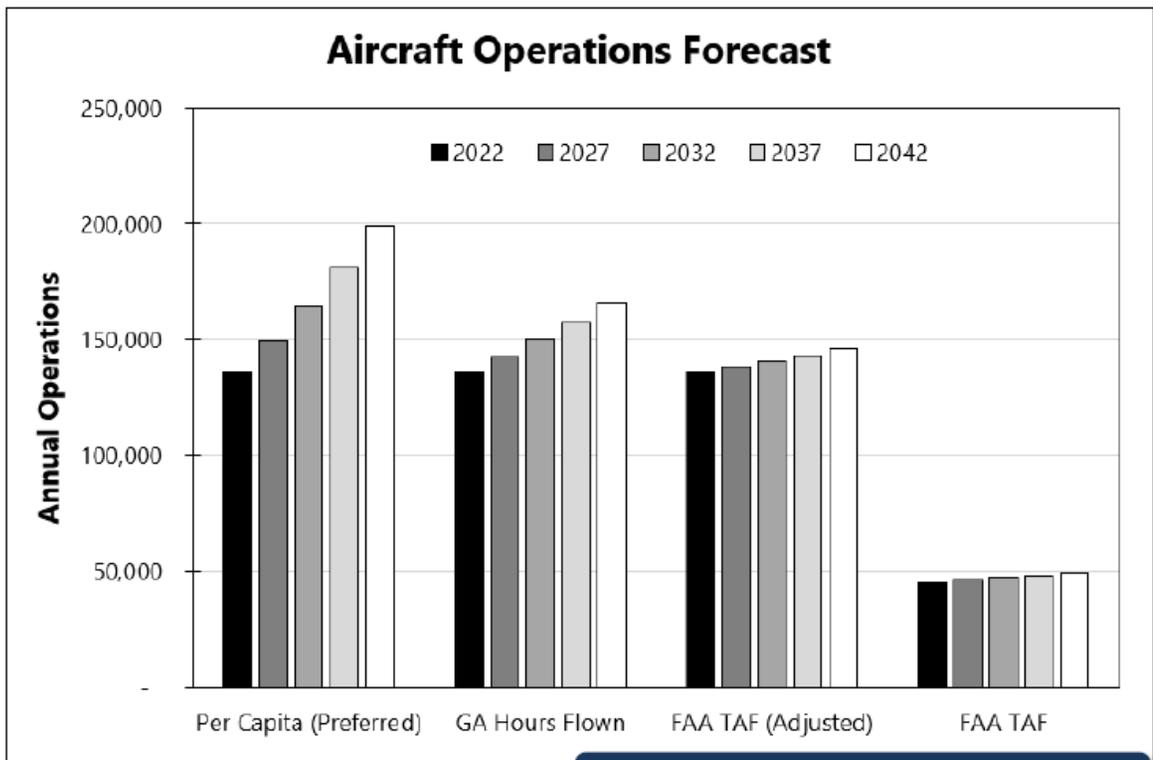
Source: LGU ASOS, 2012-2021

Figure 2-24 Logan-Cache Airport Wind Distribution

Table 3-9 Total Annual Operations Forecast Summary

Year	Per Capita (Preferred)	GA Hours Flown	FAA TAF Adjusted	FAA TAF
2022	135,818	135,818	135,818	45,178
2027	149,440	142,746	138,280	46,288
2032	164,429	150,028	140,787	47,113
2037	180,920	157,680	143,340	47,968
2042	199,066	165,724	145,939	48,862

Source: Armstrong Consultants, Inc., Federal Aviation Administration 2022



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Federal Aviation Administration, 2022.

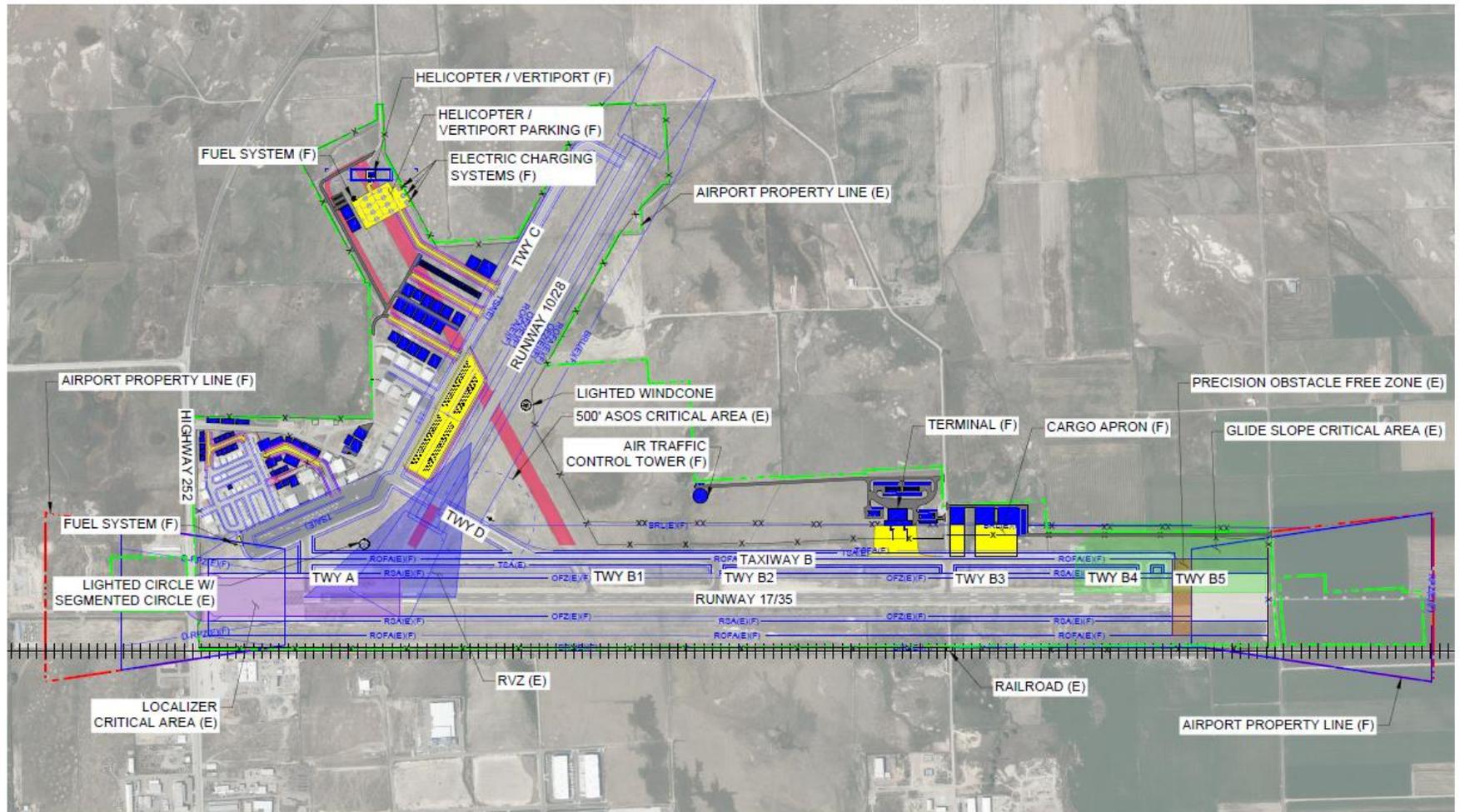
Figure 3-9 Current & Forecasted Aircraft Operations

Table 5.1 – Air Traffic Control Towers Within 300 NM of Logan-Cache Airport

Airport City	Annual Operations	Based Aircraft	Tower Hours of Operation	Percent Commercial Operations ¹
Salt Lake City (SLC)	276,615	337	24/7	80%
Provo, UT (PVU)	172,014	111	07:00-21:00	4%
Boise, ID (BOI)	139,983	223	24/7	48%
Logan-Cache (LGU)	135,818	155	None	1%
Ogden, UT (OGD)	108,023	236	07:00-20:00	4%
St. George, UT (SGU) ²	80,105	183	None	11%
Grand Junction, CO (GJT)	56,343	171	06:00-22:00	25%
Eagle, CO (EGE)	55,175	85	07:00-19:00	32%
Casper, WY (CPR)	43,126	131	05:00-21:00	28%
Aspen, CO (ASE)	38,584	94	07:00-20:00	48%
Twin Falls, ID (TWF)	34,611	111	06:00-21:00	16%
Idaho Falls, ID (IDA)	33,152	168	07:00-20:00	34%
Jackson Hole, WY (JAC)	28,848	20	07:00-21:00	66%
Pocatello, ID (PIH)	27,317	48	06:00-22:00	29%
Sun Valley, ID (SUN)	26,571	157	07:00-23:00	36%

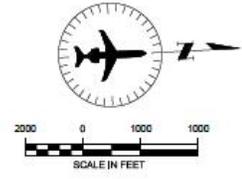
Source: FAA 5010 Airport Master Records; ¹(Air Carrier + Air Taxi Operations divided by Annual Ops.); ²St. George, UT (SGU) is actively pursuing the establishment of a tower in 2024.

S:_work\logn\Project Plan\Airside\Project\2267269_Logan - Airport Master Plan\CAD\dwg\2267269.dwg 3/26/2024 1:54:55 PM R4R42A



LEGEND

	FUTURE AIRFIELD PAVEMENT
	FUTURE STRUCTURE / FACILITY
	REMOVAL / DEMO AREA
	FUTURE MARKING
	FENCE (E)(F)
	EXISTING (E), FUTURE (F)



LOGAN-CACHE AIRPORT
 LOGAN, UTAH
 FIGURE 5-1
 RECOMMENDED DEVELOPMENT - AIRSIDE

A LOCHNER COMPANY

LOGAN – CACHE AIRPORT AUTHORITY BOARD
APRIL 4, 2024

ATTACHMENT C

CIP Schedule

(Signage, Paint, Taxiway Charlie,
Taxilane India)

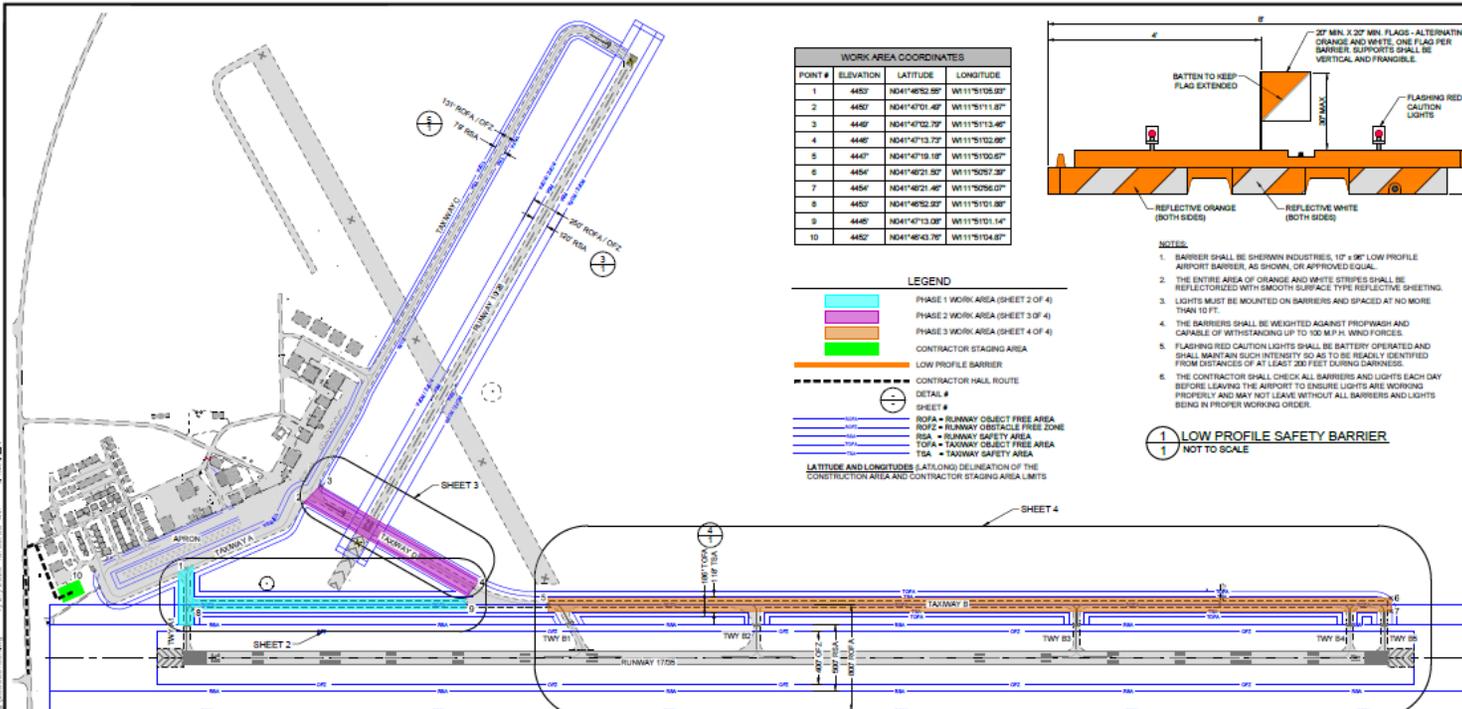
Logan-Cache (LGU)

Project Description & Cost Estimate

Scheduled/ Requested Federal Fiscal Year	UDOT FY	Project Description	Project Identification in ALP/MP	Comments	Sponsor Priority Number	Estimated Total Cost of Project	Cost Allocation \$					
							Federal Entitlement	Federal BIL	Federal State Apportionment	Federal Discretionary	State Participation	Sponsor Participation
Federally Funded Projects							90.63%				4.685%	4.685%
2022	n/a	BIL - Bank (\$295k)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	n/a	Ent. - Repay 2022 AMP project				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	2024	BIL (2022 funds)- Replace Directional Signs (Bank \$125k of 2022)				\$ 187,576	\$ -	\$ 170,000	\$ -	\$ -	\$ 8,788	\$ 8,788
2023	2024	Zero Emissions EV - Non-AIP/Non-AIG				\$ 202,570	\$ -	\$ 183,589	\$ -	\$ -	\$ 9,490	\$ 9,490
2024	n/a	Ent. - Repay 2022 AMP project (\$116,661); Bank \$33,339				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	n/a	BIL - Bank (\$715k; 22-24)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	2025	TW Charlie				\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 150,000
2025	2026	Acquire SRE (2024 & 2025 Entitlement)				\$ 201,920	\$ 183,000	\$ -	\$ -	\$ -	\$ 9,460	\$ 9,460
2025	2026	TL India (BIL 22, 23, 24, 25)				\$ 1,125,455	\$ -	\$ 1,020,000	\$ -	\$ -	\$ 52,728	\$ 52,728
2026	2027	Bank BIL and Ent				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	n/a	SRE Building (Ent. '26, '27, BIL '26)				\$ 656,516	\$ 300,000	\$ 295,000	\$ -	\$ -	\$ 30,758	\$ 30,758
2028	n/a	Ent. - Bank				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	2030	TWY Bravo Reconstruction (Design)				\$ 331,016	\$ 300,000	\$ -	\$ -	\$ -	\$ 15,508	\$ 15,508
2030	2031	TWY Bravo Reconstruction (Construction)				\$ 5,020,413	\$ 300,000	\$ -	\$ 500,000	\$ 3,750,000	\$ 235,206	\$ 235,206
2031	n/a	Ent. - Repay TWY				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	n/a	Ent. - Bank				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	2034	Runway Rehab Design				\$ 331,016	\$ 300,000	\$ -	\$ -	\$ -	\$ 15,508	\$ 15,508
2034	2035	Runway Rehab Construction				\$ 5,847,953	\$ 300,000	\$ -	\$ -	\$ 5,000,000	\$ 273,977	\$ 273,977
Future		ARFF Truck				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Participation Totals						\$ 8,475,465	\$ 1,683,000	\$ 1,668,589	\$ 500,000	\$ 8,750,000	\$ 1,251,423	\$ 511,938
State Funded Projects											90.00%	10.00%
						\$ -					\$ -	\$ -
2025	2026	Pavement Preservation (TW Bravo)				\$ 222,222					\$ 200,000	\$ 22,222
2029	2030	Pavement Preservation (likely 17/38)				\$ 222,222					\$ 200,000	\$ 22,222
Future		Paint				\$ 900,000					\$ -	\$ 90,000
Future						\$ -					\$ -	\$ -
						\$ -					\$ -	\$ -
Participation Totals						\$ 1,344,444					\$ 400,000	\$ 134,444

Note: Attach additional sheets as necessary to fully describe projects or to add information needed for a full understanding of project scope, location and costs.

For Planning Purposes Only

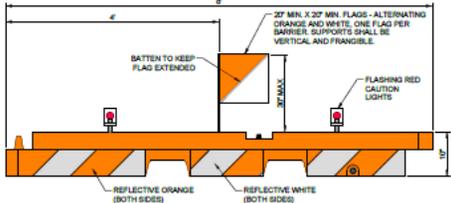


POINT #	ELEVATION	LATITUDE	LONGITUDE
1	4452	ND41°48'52.58"	W111°51'05.52"
2	4452	ND41°47'01.46"	W111°51'11.67"
3	4442	ND41°47'32.73"	W111°51'13.46"
4	4442	ND41°47'33.72"	W111°51'12.98"
5	4447	ND41°47'18.15"	W111°51'00.67"
6	4454	ND41°48'21.52"	W111°50'57.32"
7	4454	ND41°48'21.46"	W111°50'56.07"
8	4452	ND41°48'52.52"	W111°51'01.87"
9	4442	ND41°47'33.02"	W111°51'01.14"
10	4452	ND41°48'43.73"	W111°51'04.87"

LEGEND

- PHASE 1 WORK AREA (SHEET 2 OF 4)
- PHASE 2 WORK AREA (SHEET 3 OF 4)
- PHASE 3 WORK AREA (SHEET 4 OF 4)
- CONTRACTOR STAGING AREA
- LOW PROFILE BARRIER
- CONTRACTOR HAUL ROUTE
- SHEET #
- ROFA = RUNWAY OBJECT FREE AREA
- ROFZ = RUNWAY OBSTACLE FREE ZONE
- RSA = RUNWAY SAFETY AREA
- TOFA = TAXIWAY OBJECT FREE AREA
- TSA = TAXIWAY SAFETY AREA

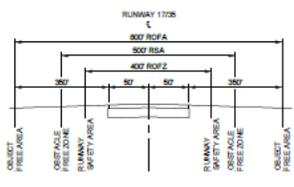
LATITUDE AND LONGITUDES (LAT/LONG) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS



- NOTES**
- BARRIER SHALL BE SHERWIN INDUSTRIES, 10' x 96" LOW PROFILE AIRPORT BARRIER, AS SHOWN, OR APPROVED EQUAL.
 - THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE REFLECTORIZED WITH SMOOTH SURFACE TYPE REFLECTIVE SHEETING.
 - LIGHTS MUST BE MOUNTED ON BARRIERS AND SPACED AT NO MORE THAN 10 FT.
 - THE BARRIERS SHALL BE WEIGHTED AGAINST PROPWASH AND CAPABLE OF WITHSTANDING UP TO 100 M.P.H. WIND FORCES.
 - FLASHING RED CAUTION LIGHTS SHALL BE BATTERY OPERATED AND SHALL MAINTAIN SUCH INTENSITY SO AS TO BE READILY IDENTIFIED FROM DISTANCES OF AT LEAST 200 FEET DURING DARKNESS.
 - THE CONTRACTOR SHALL CHECK ALL BARRIERS AND LIGHTS EACH DAY BEFORE LEAVING THE AIRPORT TO ENSURE LIGHTS ARE WORKING PROPERLY AND MAY NOT LEAVE WITHOUT ALL BARRIERS AND LIGHTS BEING IN PROPER WORKING ORDER.

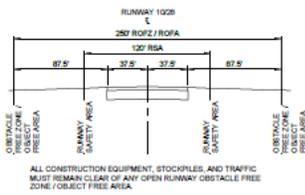
1 LOW PROFILE SAFETY BARRIER
1 NOT TO SCALE

- NOTE:**
- SEE SHEET 2 OF 4 FOR PHASE 1 LOW PROFILE SAFETY BARRIER PLACEMENT.
 - SEE SHEET 3 OF 4 FOR PHASE 2 LOW PROFILE SAFETY BARRIER PLACEMENT.
 - SEE SHEET 4 OF 4 FOR PHASE 3 LOW PROFILE SAFETY BARRIER PLACEMENT.



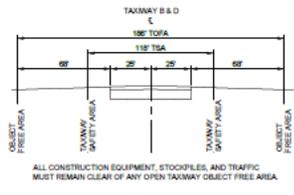
ALL STATIONARY CONSTRUCTION EQUIPMENT AND STOCKPILES MUST REMAIN CLEAR OF ANY OPEN RUNWAY OBJECT FREE AREA. ALL CONSTRUCTION EQUIPMENT AND TRAFFIC MUST REMAIN CLEAR OF ANY OPEN RUNWAY OBSTACLE FREE ZONE.

2 SAFETY AREAS
1 NOT TO SCALE



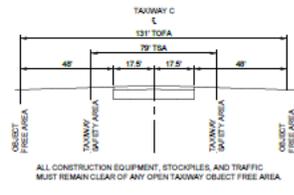
ALL CONSTRUCTION EQUIPMENT, STOCKPILES, AND TRAFFIC MUST REMAIN CLEAR OF ANY OPEN RUNWAY OBSTACLE FREE ZONE/OBJECT FREE AREA.

3 SAFETY AREAS
1 NOT TO SCALE



ALL CONSTRUCTION EQUIPMENT, STOCKPILES, AND TRAFFIC MUST REMAIN CLEAR OF ANY OPEN TAXIWAY OBJECT FREE AREA.

4 SAFETY AREAS
1 NOT TO SCALE



ALL CONSTRUCTION EQUIPMENT, STOCKPILES, AND TRAFFIC MUST REMAIN CLEAR OF ANY OPEN TAXIWAY OBJECT FREE AREA.

5 SAFETY AREAS
1 NOT TO SCALE



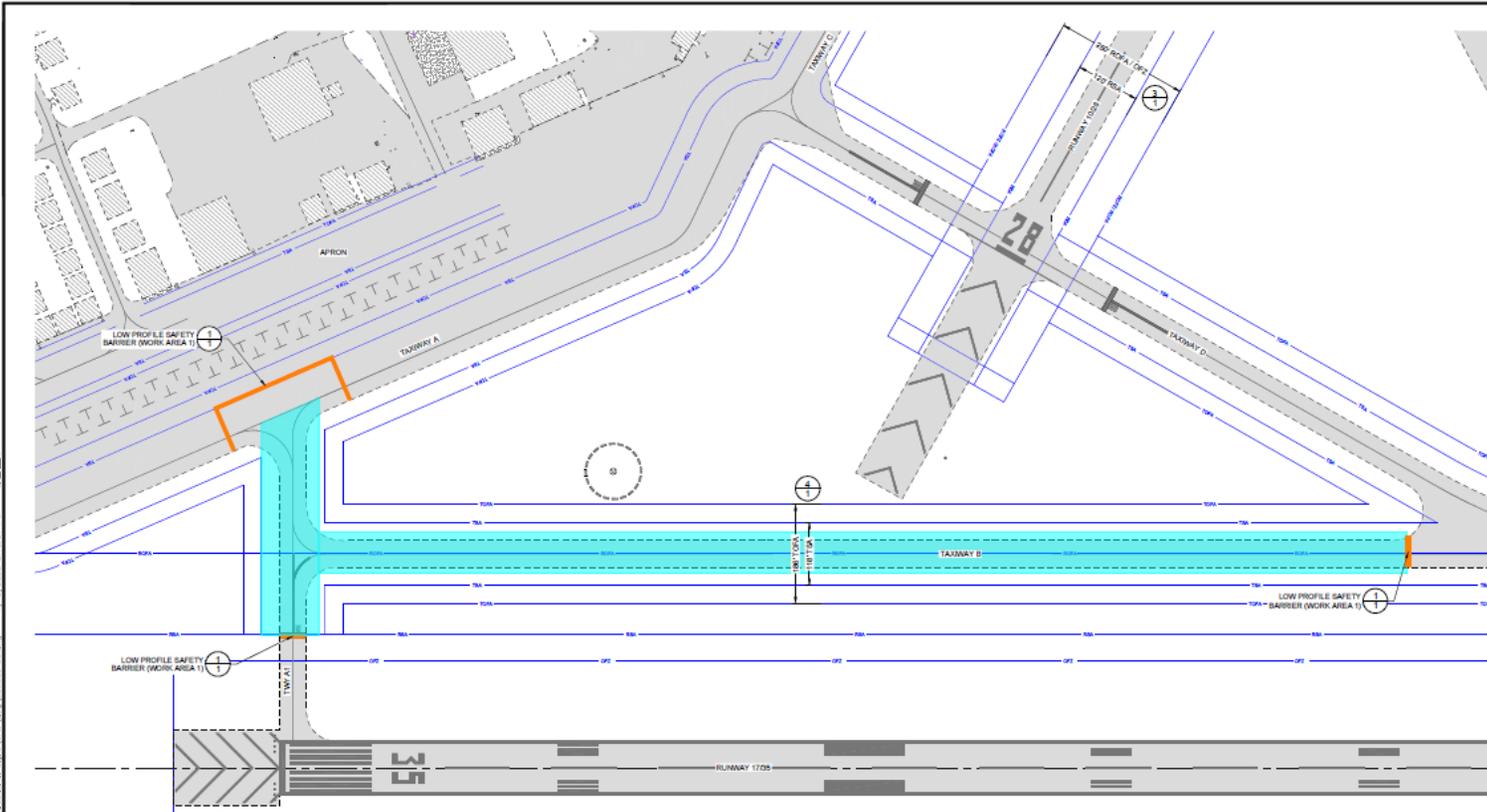
LOGAN-CACHE AIRPORT
LOGAN, UTAH
RECONSTRUCT AIRFIELD
GUIDANCE SIGNS
AIP No. 3-49-0016-039-2023

NO.	REVISION	DATE	BY

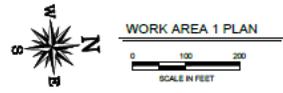
ACI No. 23606
Date: APRIL 2023
File Name: 23606150

Drawn: MLM
Checked: TTM
Approved: DHT

CONSTRUCTION
SAFETY &
PHASING
PLAN



- LEGEND**
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 - TSA • TAXIWAY SAFETY AREA
- LATTITUDE AND LONGITUDE** (EASTING) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS



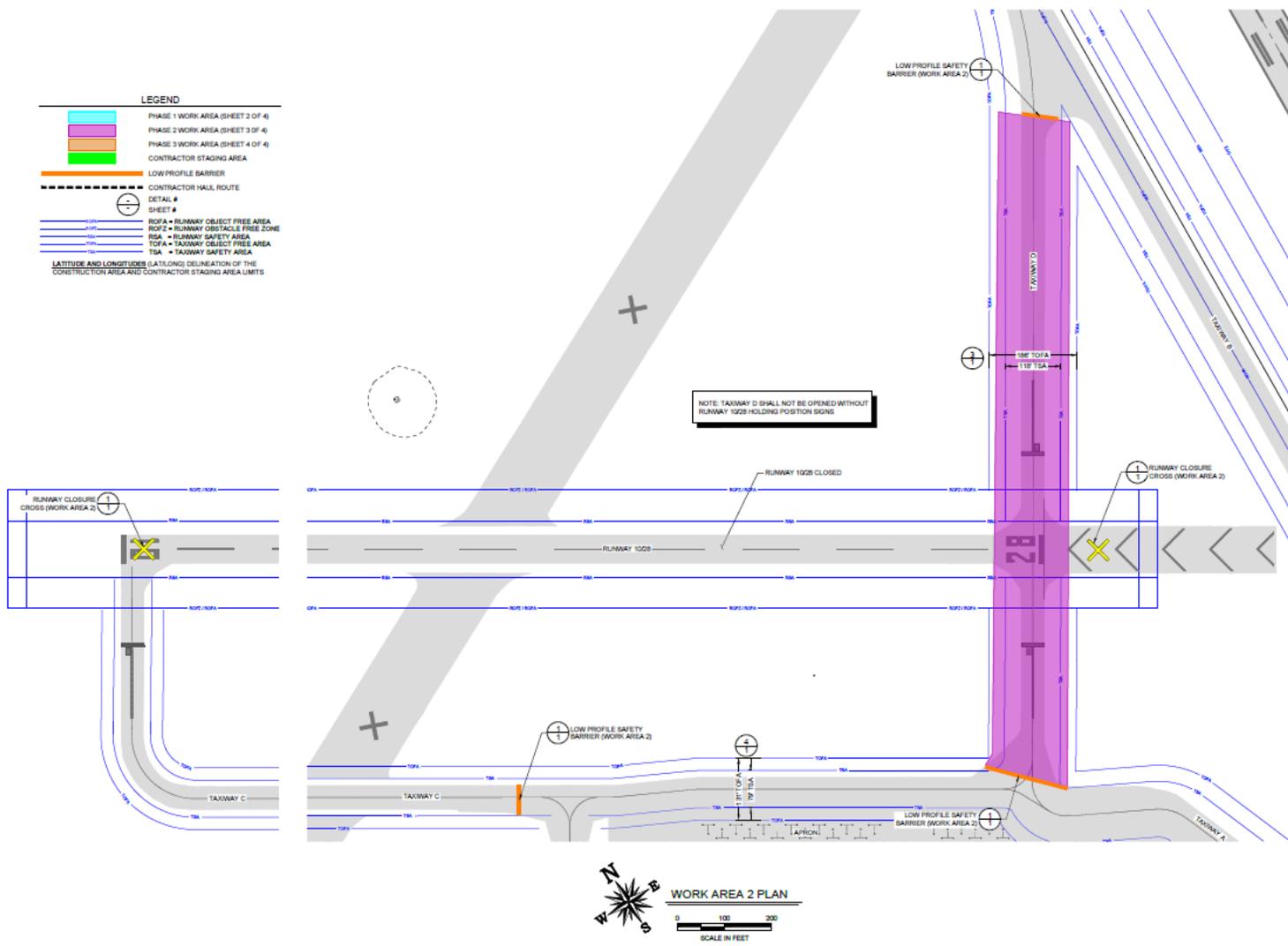
No.	Revised	Date	By

ACI No. 23506
Date: APRIL 2023
File Name: 23506/150

Drawn: MLM
Checked: TTM
Approved: DJH

**CONSTRUCTION
SAFETY &
PHASING
PLAN**

- LEGEND**
- PHASE 1 WORK AREA (SHEET 2 OF 4)
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- LATITUDE AND LONGITUDES (LATS/LONGS) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS**

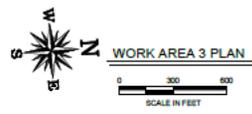
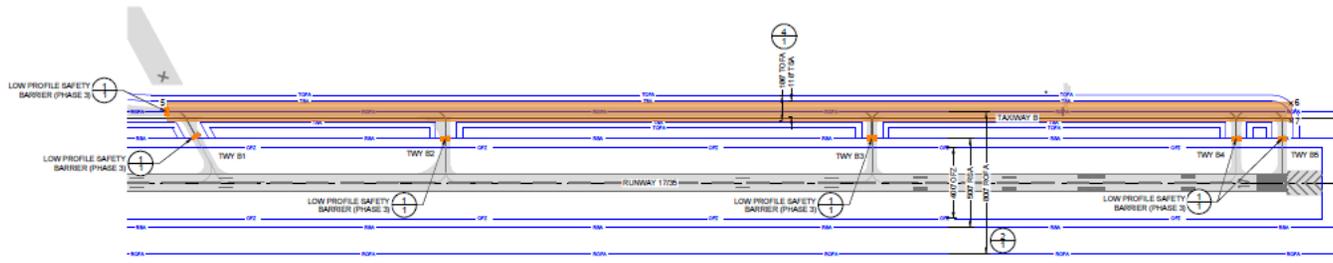


No.	Revisions	Date	By

ACI No. 236006
Date: APRIL 2023
File Name: 236006150

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Checked: TTM
Approved: DHT

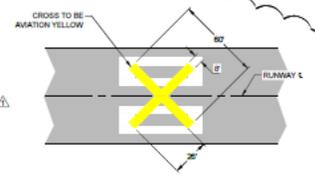
CONSTRUCTION
SAFETY &
PHASING
PLAN



NOTE: LOW PROFILE SAFETY BARRIERS ARE LOCATED 200' FROM RUNWAY CENTERLINE AT THE BACK PORTION OF THE HOLD BARS.



RUNWAY CLOSURE MARKER, LIGHTED



NOTES:
 THE CONTRACTOR SHALL COORDINATE AND USE THE AIRPORT'S LIGHTED CLOSURE CROSSES. THE CONTRACTOR SHALL PLACE ONE MARKER OVER THE RUNWAY DESIGNATION NUMBERS EACH END FOR THE ENTIRE TIME THAT THE RUNWAY IS CLOSED. THE CONTRACTOR SHALL ENSURE THAT THE CROSSES ARE SECURELY ANCHORED SO THEY WILL NOT MOVE DURING HEAVY WIND.
 THE CONTRACTOR SHALL PROVIDE ALL FUEL, OIL, LAMPS, AND ANY OTHER MAINTENANCE REQUIRED DURING THE PROJECT. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S NEGLIGENCE SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT NO COST TO THE AIRPORT. THE LIGHTED CROSSES SHALL BE TRANSPORTED ON APPROVED AIRPORT SURFACES. THE CROSSES SHALL BE STORED AT THE LOCATION DESIGNATED BY THE AIRPORT. CONTRACTOR WILL BE RESPONSIBLE FOR MOVING THE PORTABLE TRAILER MOUNTED EQUIPMENT. ALL COST FOR USE, TRANSPORTATION, OPERATION, AND MAINTENANCE OF THE LIGHTED CLOSURE CROSSES SHALL BE INCIDENTAL TO THE PROJECT.
 IF THE LIGHTED CLOSURE CROSS BECOMES INOPERABLE DURING THE PROJECT AT ANY TIME, CONVENTIONAL YELLOW CLOSURE MARKERS SHALL BE IMMEDIATELY INSTALLED IN PLACE OF THE LIGHTED CLOSURE CROSS UNTIL IT IS REPAIRED OR REPLACED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE IN POSSESSION OF AT LEAST ONE SET OF CONVENTIONAL CLOSURE CROSSES AT ALL TIMES TO BE INSTALLED IMMEDIATELY IF ONE OF THE CROSSES BECOMES INOPERABLE.

1
4 RUNWAY CLOSURE CROSS
NOT TO SCALE

- LEGEND**
- PHASE 1 WORK AREA (SHEET 2 OF 4)
 - PHASE 2 WORK AREA (SHEET 3 OF 4)
 - PHASE 3 WORK AREA (SHEET 4 OF 4)
 - CONTRACTOR STAGING AREA
 - LOW PROFILE BARRIER
 - CONTRACTOR HAUL ROUTE
 - DETAIL #
 - SHEET #
 - ROFA = RUNWAY OBJECT FREE AREA
 - ROFZ = RUNWAY OBSTACLE FREE ZONE
 - RSA = RUNWAY SAFETY AREA
 - TOFA = TAXIWAY OBJECT FREE AREA
 - TSA = TAXIWAY SAFETY AREA
- LATITUDE AND LONGITUDES (EAT/LONG) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS

NO.	DATE	BY	REVISION

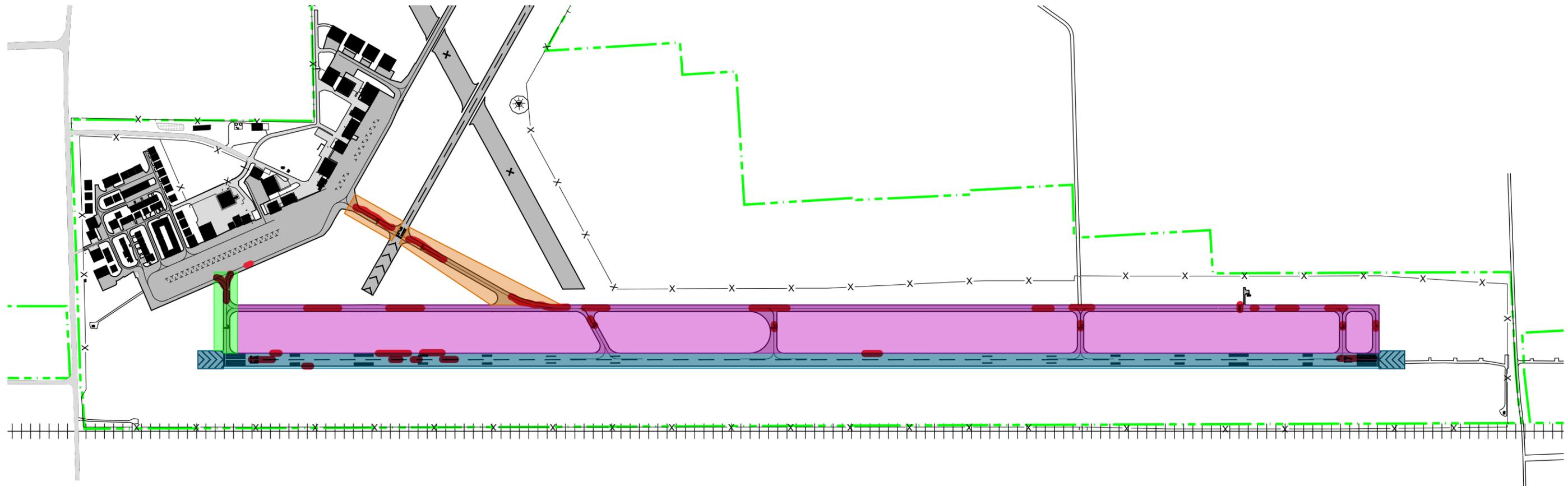
ACI No. 235006
Date: APRIL 2023
File Name: 23500150

Drawn: MLM
Checked: TFM
Approved: DLI

CONSTRUCTION
SAFETY &
PHASING
PLAN

LOGAN – CACHE AIRPORT AUTHORITY BOARD
APRIL 4, 2024

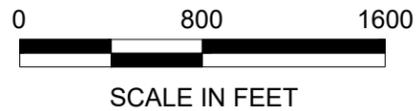
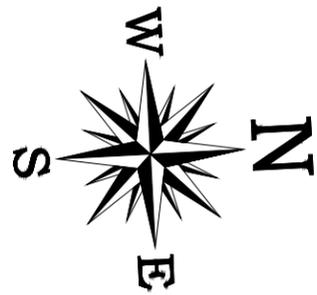
ATTACHMENT D



LEGEND

-  RUNWAY 17/35
-  TAXIWAY B
-  TAXIWAY D
-  TAXIWAY A

RED Areas specifically noted by airport management



RUNWAY 17/35
 WHITE: 57,478 SQ.FT.
 YELLOW: 5,209 SQ.FT

TAXIWAY B
 BLACK: 3,735 SQ.FT
 RED: 1,005 SQ.FT.
 WHITE: 297 SQ.FT.
 YELLOW: 7,186 SQ.FT

TAXIWAY D
 BLACK: 1,216 SQ.FT
 RED: 213 SQ.FT.
 WHITE: 88 SQ.FT.
 YELLOW: 1,380 SQ.FT

TAXIWAY A
 BLACK: 752 SQ.FT
 RED: 111 SQ.FT.
 WHITE: 39 SQ.FT.
 YELLOW: 784 SQ.FT

LOGAN-CACHE AIRPORT
 LOGAN, UTAH

RUNWAY 17/35



A LOCHNER COMPANY

**Logan-Cache
Pavement Markings
UDOT Estimate**

SCHEDULE I- Paint Maintenance; Runway 17/35						3/21/2024
ITEM NO.	FAA ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT COSTS	ESTIMATED TOTAL COSTS
1	C-105	Mobilization	1	LS	\$9,776.25	\$9,776.25
2	S-6	Watering	Incidental	Incidental	Incidental	Incidental
3	P-101a	Marking Removal (15% estimated)	9,405.0	SF	\$1.00	\$9,405.00
4	P-101b	Rubber Removal	30,000	SF	\$0.35	\$10,500.00
5	P-620a	Marking	62,700	SF	\$1.10	\$68,970.00
6	P-620a	Reflective Media	3,762	Lbs	\$1.20	\$4,514.40
SCHEDULE I TOTAL						\$98,651.25

SCHEDULE II- Paint Maintenance; Taxiway B						
ITEM NO.	FAA ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT COSTS	ESTIMATED TOTAL COSTS
1	C-105	Mobilization	1	LS	\$1,684.38	\$1,684.38
2	S-6	Watering	Incidental	Incidental	Incidental	Incidental
3	P-101a	Marking Removal (15% estimated)	1,837.5	SF	\$1.00	\$1,837.50
4	P-101b	Rubber Removal	0	SF	\$0.30	\$0.00
5	P-620a	Marking	12,250	SF	\$1.10	\$13,475.00
6	P-620a	Reflective Media	735	Lbs	\$1.20	\$882.00
SCHEDULE II TOTAL						\$17,878.88

SCHEDULE III- Paint Maintenance Taxiway D						
ITEM NO.	FAA ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT COSTS	ESTIMATED TOTAL COSTS
1	C-105	Mobilization	1	LS	\$398.75	\$398.75
2	S-6	Watering	Incidental	Incidental	Incidental	Incidental
3	P-101a	Marking Removal (15% estimated)	435.0	SF	\$1.00	\$435.00
4	P-101b	Rubber Removal	0	SF	\$0.30	\$0.00
5	P-620a	Marking	2,900	SF	\$1.10	\$3,190.00
6	P-620a	Reflective Media	174	Lbs	\$1.20	\$208.80
SCHEDULE III TOTAL						\$4,232.55

SCHEDULE IV- Paint Maintenance Taxiway A						
ITEM NO.	FAA ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT COSTS	ESTIMATED TOTAL COSTS
1	C-105	Mobilization	1	LS	\$232.38	\$232.38
2	S-6	Watering	Incidental	Incidental	Incidental	Incidental
3	P-101a	Marking Removal (15% estimated)	253.5	SF	\$1.00	\$253.50
4	P-101b	Rubber Removal	0	SF	\$0.30	\$0.00
5	P-620a	Marking	1,690	SF	\$1.10	\$1,859.00
6	P-620a	Reflective Media	101	Lbs	\$1.20	\$121.68
SCHEDULE IV TOTAL						\$2,466.56

Estimated Construction	\$123,229.23
Design/Bid/Inspect	\$25,000.00
Total Estimate	\$148,229.23

Logan-Cache (LGU)

Project Description & Cost Estimate

Scheduled/ Requested Federal Fiscal Year	UDOT FY	Project Description	Project Identification in ALP/MP	Comments	Sponsor Priority Number	Estimated Total Cost of Project	Cost Allocation \$					
							Federal Entitlement	Federal BIL	Federal State Apportionment	Federal Discretionary	State Participation	Sponsor Participation
Federally Funded Projects							90.63%				4.685%	4.685%
2022	n/a	BIL - Bank (\$295k)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	n/a	Ent. - Repay 2022 AMP project				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	2024	BIL (2022 funds)- Replace Directional Signs (Bank \$125k of 2022)				\$ 187,576	\$ -	\$ 170,000	\$ -	\$ -	\$ 8,788	\$ 8,788
2023	2024	Zero Emissions EV - Non-AIP/Non-AIG				\$ 202,570	\$ -	\$ 183,589	\$ -	\$ -	\$ 9,490	\$ 9,490
2024	n/a	Ent. - Repay 2022 AMP project (\$116,661); Bank \$33,339				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	n/a	BIL - Bank (\$715k; 22-24)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	2025	TW Charlie				\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 150,000
2025	2026	Acquire SRE (2024 & 2025 Entitlement)				\$ 201,920	\$ 183,000	\$ -	\$ -	\$ -	\$ 9,460	\$ 9,460
2025	2026	TL India (BIL 22, 23, 24, 25)				\$ 1,125,455	\$ -	\$ 1,020,000	\$ -	\$ -	\$ 52,728	\$ 52,728
2026	2027	Bank BIL and Ent				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	n/a	SRE Building (Ent. '26, '27, BIL '26)				\$ 656,516	\$ 300,000	\$ 295,000	\$ -	\$ -	\$ 30,758	\$ 30,758
2028	n/a	Ent. - Bank				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	2030	TWY Bravo Reconstruction (Design)				\$ 331,016	\$ 300,000	\$ -	\$ -	\$ -	\$ 15,508	\$ 15,508
2030	2031	TWY Bravo Reconstruction (Construction)				\$ 5,020,413	\$ 300,000	\$ -	\$ 500,000	\$ 3,750,000	\$ 235,206	\$ 235,206
2031	n/a	Ent. - Repay TWY				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	n/a	Ent. - Bank				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	2034	Runway Rehab Design				\$ 331,016	\$ 300,000	\$ -	\$ -	\$ -	\$ 15,508	\$ 15,508
2034	2035	Runway Rehab Construction				\$ 5,847,953	\$ 300,000	\$ -	\$ -	\$ 5,000,000	\$ 273,977	\$ 273,977
Future		ARFF Truck				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Participation Totals						\$ 8,475,465	\$ 1,683,000	\$ 1,668,589	\$ 500,000	\$ 8,750,000	\$ 1,251,423	\$ 511,938
State Funded Projects											90.00%	10.00%
2025	2026	Pavement Preservation (TW Bravo)				\$ -					\$ -	\$ -
2029	2030	Pavement Preservation (likely 17/38)				\$ 222,222					\$ 200,000	\$ 22,222
Future		Paint				\$ 900,000					\$ -	\$ 90,000
Future						\$ -					\$ -	\$ -
Future						\$ -					\$ -	\$ -
Participation Totals						\$ 1,344,444					\$ 400,000	\$ 134,444

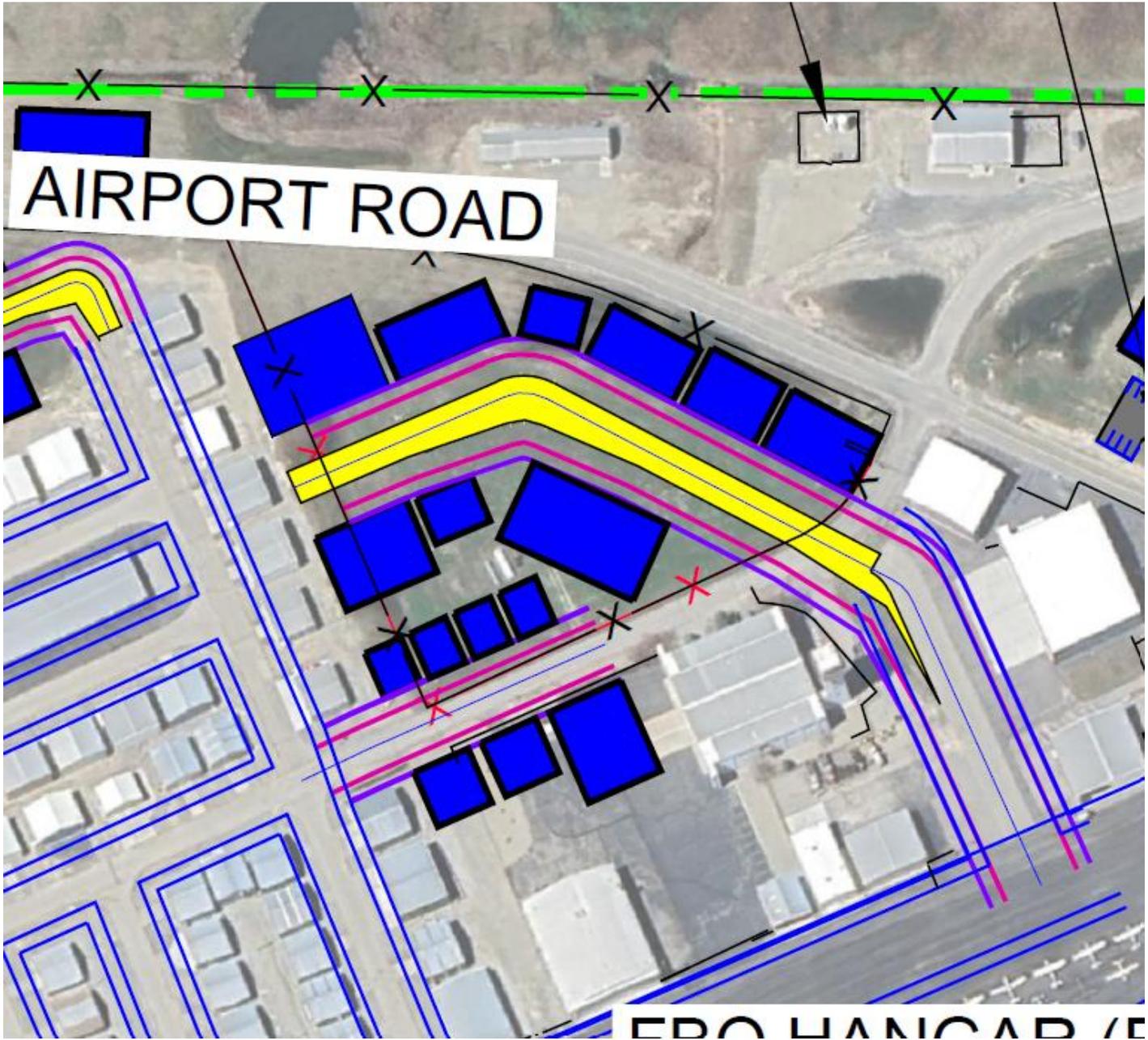
Note: Attach additional sheets as necessary to fully describe projects or to add information needed for a full understanding of project scope, location and costs.

For Planning Purposes Only

LOGAN – CACHE AIRPORT AUTHORITY BOARD
APRIL 4, 2024

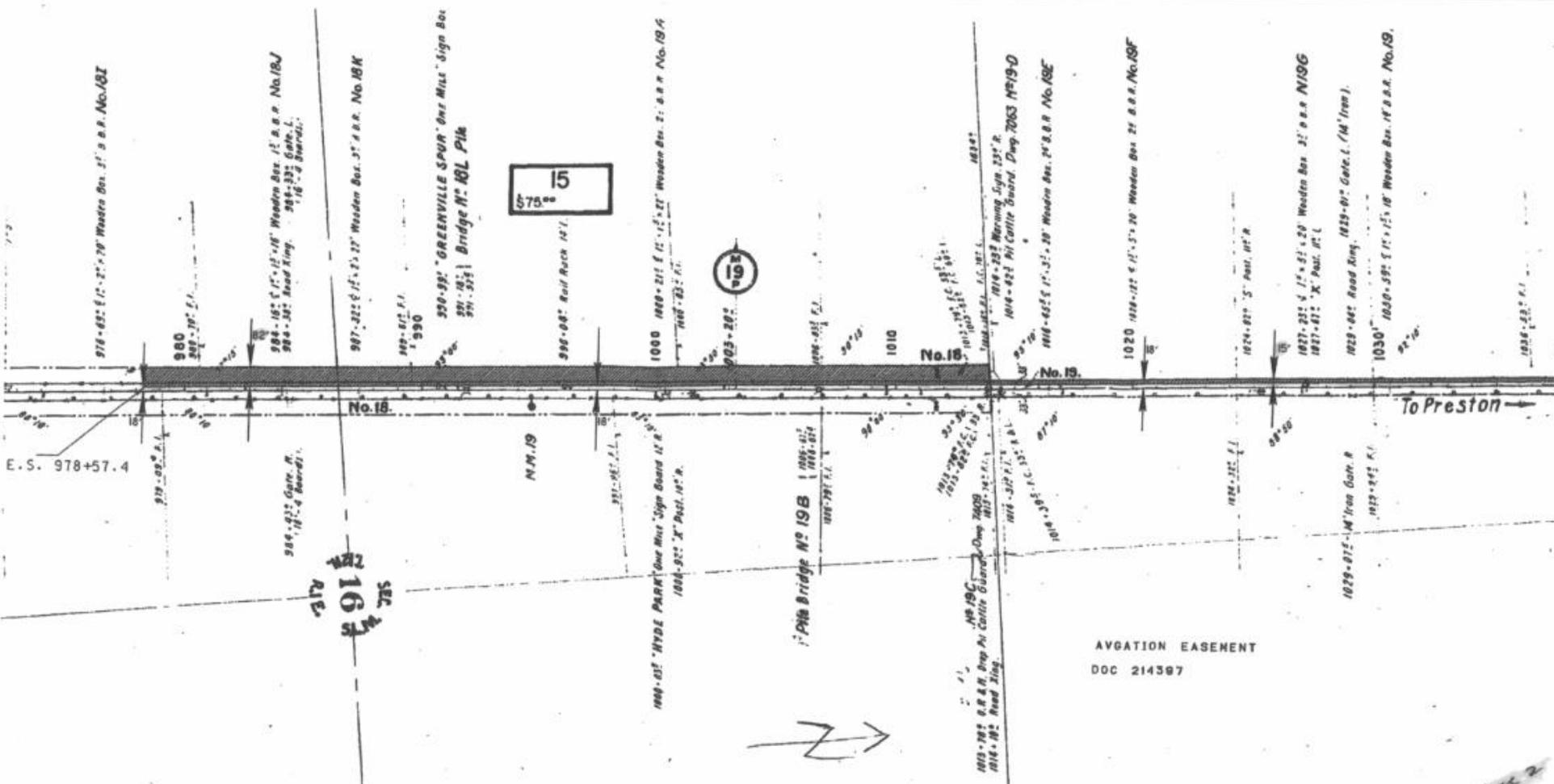
ATTACHMENT E

Taxilane India



LOGAN – CACHE AIRPORT AUTHORITY BOARD
APRIL 4, 2024

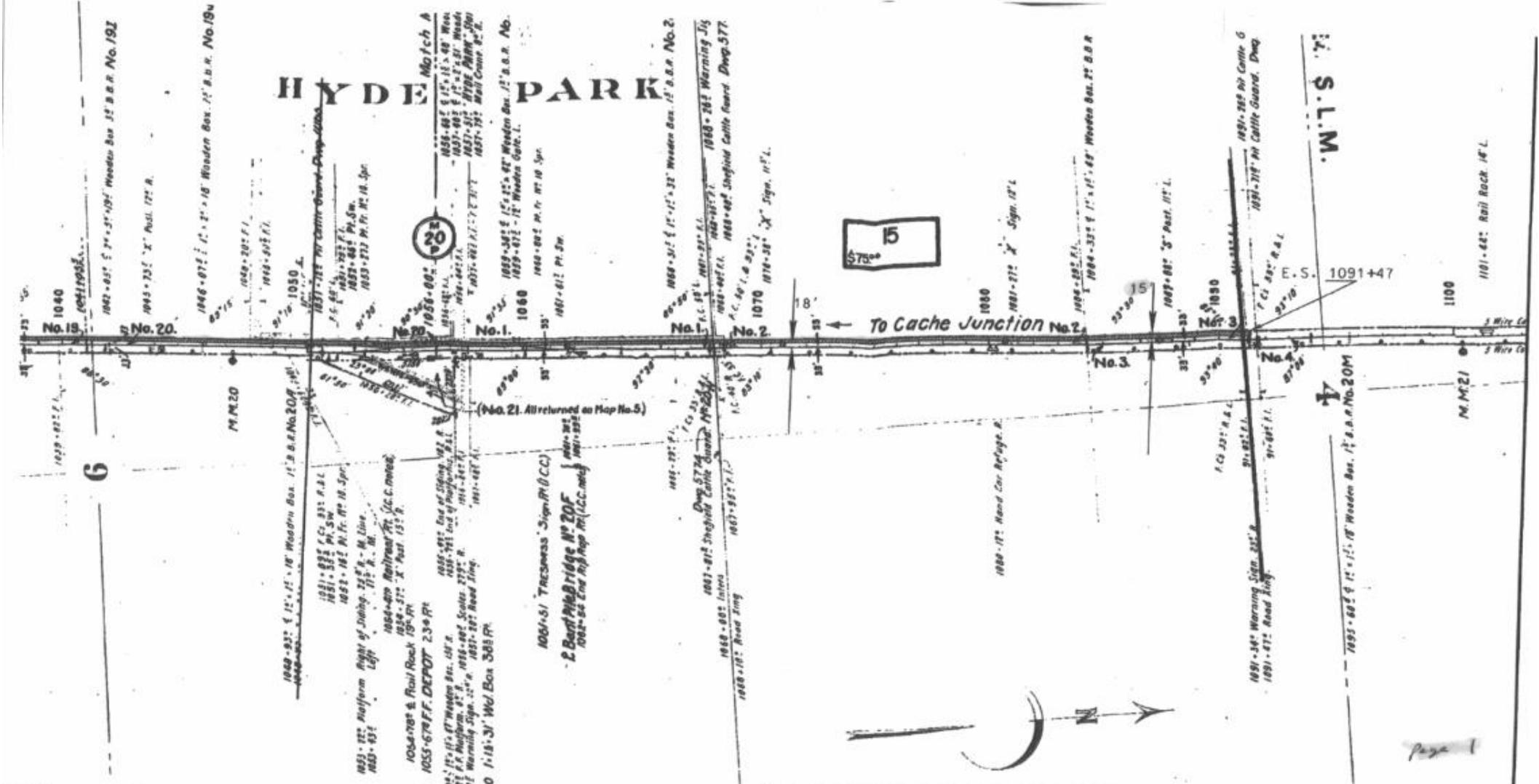
ATTACHMENT F



SCHEDULE OF PROPERTY									
NO	GRANTOR	GRANTEE	INSTRUMENT	DATE OF		BOOK PAGE	CUSTODIAN C.E. NO. AUDIT	REMARKS	
				DEED	RECORD				
1.	Loran City.	U. & N. Ry. Co.	Ordinance	Mar. 23, 1880	Sec. No. 8	Page No. 4			
2.	Possession								
3.	John Edwards.		Warranty	Jan. 5, 1880	June 30, 1880	G. 151	453	451	
4.	Estate of Thos. American		Admin. Acct.	Jan. 5, 1880	June 30, 1880	E. 465	483	481	
5.	Wilhelm Wallerson.		Quit Claim	Dec. 11, 1879	June 30, 1880	E. 426	496	494	
6.	Elanor & Nephie Torbet		Warranty	Dec. 11, 1879	June 30, 1880	G. 117	441	439	
				Dec. 11, 1879	June 30, 1880	G. 132	471	469	

SCHEDULE OF PROPERTY									
NO	GRANTOR	GRANTEE	INSTRUMENT	DATE OF		BOOK PAGE	CUSTODIAN C.E. NO. AUDIT	REMARKS	
				DEED	RECORD				
16.	Christian L. Olsen.	U. & N. Ry. Co.	Warranty	Dec. 11, 1879	June 30, 1880	G. 116	447	445	
17.	Henry Flamm.		Quit Claim	Jan. 6, 1880	June 30, 1880	E. 458	459	457	
18.	United States.	U. & N. Ry. Co.	Act of Congress	Mar. 3, 1873					
19.	Robert Daines.	U. & N. Ry. Co.	Warranty	Dec. 12, 1879	June 30, 1880	G. 146	459	457	
20.	Reuben Pernes.			Dec. 12, 1879	June 30, 1880	G. 144	465	463	
21.	Amalgamated Supard	O. J. L. R. R. Co.		Jan. 9, 1907	Feb. 13, 1907	ZT 332	3119	3036	

HYDE PARK



AREA =
412072.0 SQ. FT.
9.45 AC

V-5
5

V-5
6

LEGEND:	
LEASE AREA SHOWN	-----
UPRRCO. R/W OUTLINED	-----

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NOTE: BEFORE YOU BEGIN ANY WORK, SEE AGREEMENT FOR FIBER OPTIC PROVISIONS. EXHIBIT "A"

UNION PACIFIC RAILROAD COMPANY
NEAR LOGAN, CACHE COUNTY, UTAH
M.P. 18.52 TO M.P. 20.66 - CACHE VALLEY SUB

TO ACCOMPANY AGREEMENT WITH CACHE VALLEY AIRPORT AUTHORITY

SCALE: 1" = 400'
OFFICE OF REAL ESTATE
OMAHA, NEBRASKA DATE: 6/20/2001
CAA FILE: 875-60

Page 1

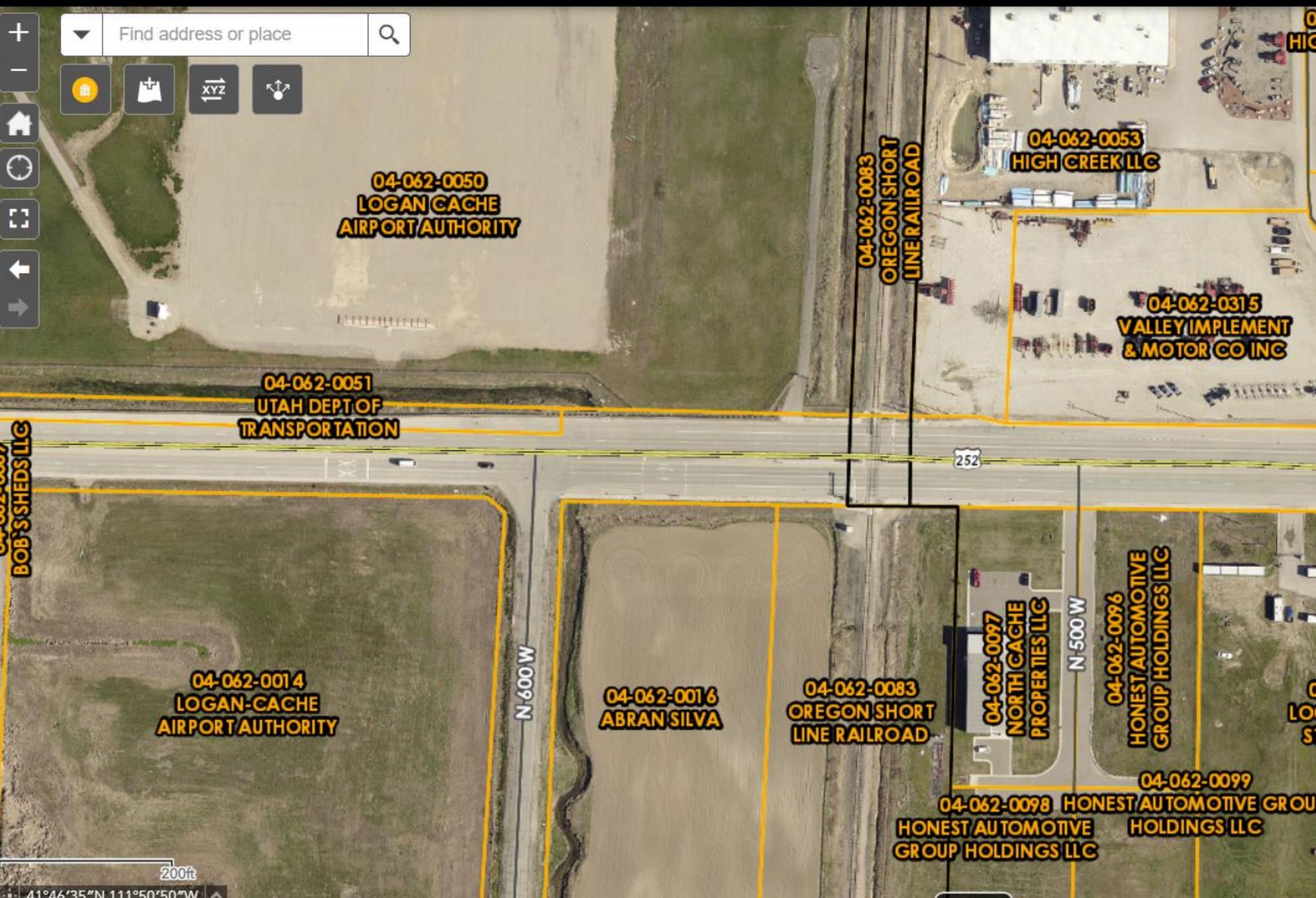
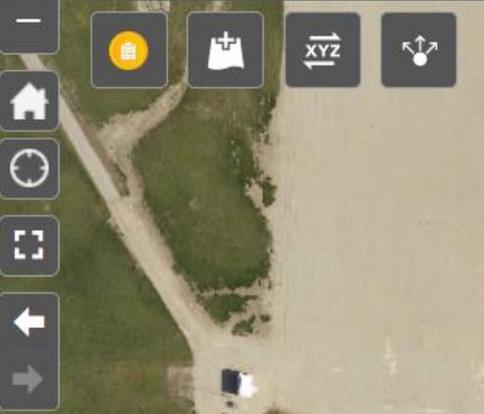
SCHEDULE OF PROPERTY

NO	GRANTOR	GRANTEE	INSTRUMENT	DATE OF		BOOK	PAGE	CUSTODIAN			REMARKS
				DEED	RECORD			C. E.	R. P.	A. D. R.	
1.	Logan City.	U. & N. Ry. Co.	Ordinance	Mar. 23, 1880	Sec. No. 8	Map No. 4.					
2.	Possession										
3.	John Edwards.	- - - -	Warranty	Jan. 5, 1880	June 30, 1880	G.	151	453	451	66'	
4.	Estate of Thos. Davidson	- - - -	Admin's Acct.	Jan. 5, 1880	June 30, 1880	E.	465	483	481	66'	66'
5.	William Wallerson.	- - - -	Quit Claim	Dec. 11, 1879	June 30, 1880	E.	456	496	494	66'	66'
6.	Elanor & Nephi Torbet	- - - -	Warranty	Dec. 11, 1879	June 30, 1880	G.	117	441	439	66'	66'
				Dec. 11, 1879	June 30, 1880	G.	152	471	469	66'	

SCHEDULE OF PROPERTY

NO	GRANTOR	GRANTEE	INSTRUMENT	DATE OF		BOOK	PAGE	CUSTODIAN			REMARKS
				DEED	RECORD			C. E.	R. P.	A. D. R.	
16.	Christian L. Olsen.	U. & N. Ry. Co.	Warranty	Dec. 11, 1879	June 30, 1880	G.	116	447	445	66'	
17.	Henry Flamm.	- - - -	Quit Claim	Jan. 6, 1880	June 30, 1880	E.	458	499	497	66'	
18.	United States.	U. N. R. R. Co.	Act of Congress	Mar. 3, 1873		-	-	-	-		
19.	Robert Daines	U. & N. Ry. Co.	Warranty	Dec. 12, 1879	June 30, 1880	G.	146	459	457	66'	
20.	Reuben Perkes.	- - - -	-	Dec. 12, 1879	June 30, 1880	G.	144	465	463	33'	
21.	Amalgamated Sugar Co.	O. S. L. R. R. Co.	-	Jan. 9, 1907	Feb. 13, 1907	ZT	932	3119	3038	33'	

Find address or place



**04-062-0050
LOGAN CACHE
AIRPORT AUTHORITY**

**04-062-0053
HIGH CREEK LLC**

**04-062-0315
VALLEY IMPLEMENT
& MOTOR GO INC**

**04-062-0051
UTAH DEPT OF
TRANSPORTATION**

**04-062-0007
BOB'S SHEDS LLC**

**04-062-0014
LOGAN-CACHE
AIRPORT AUTHORITY**

**04-062-0016
ABRAN SILVA**

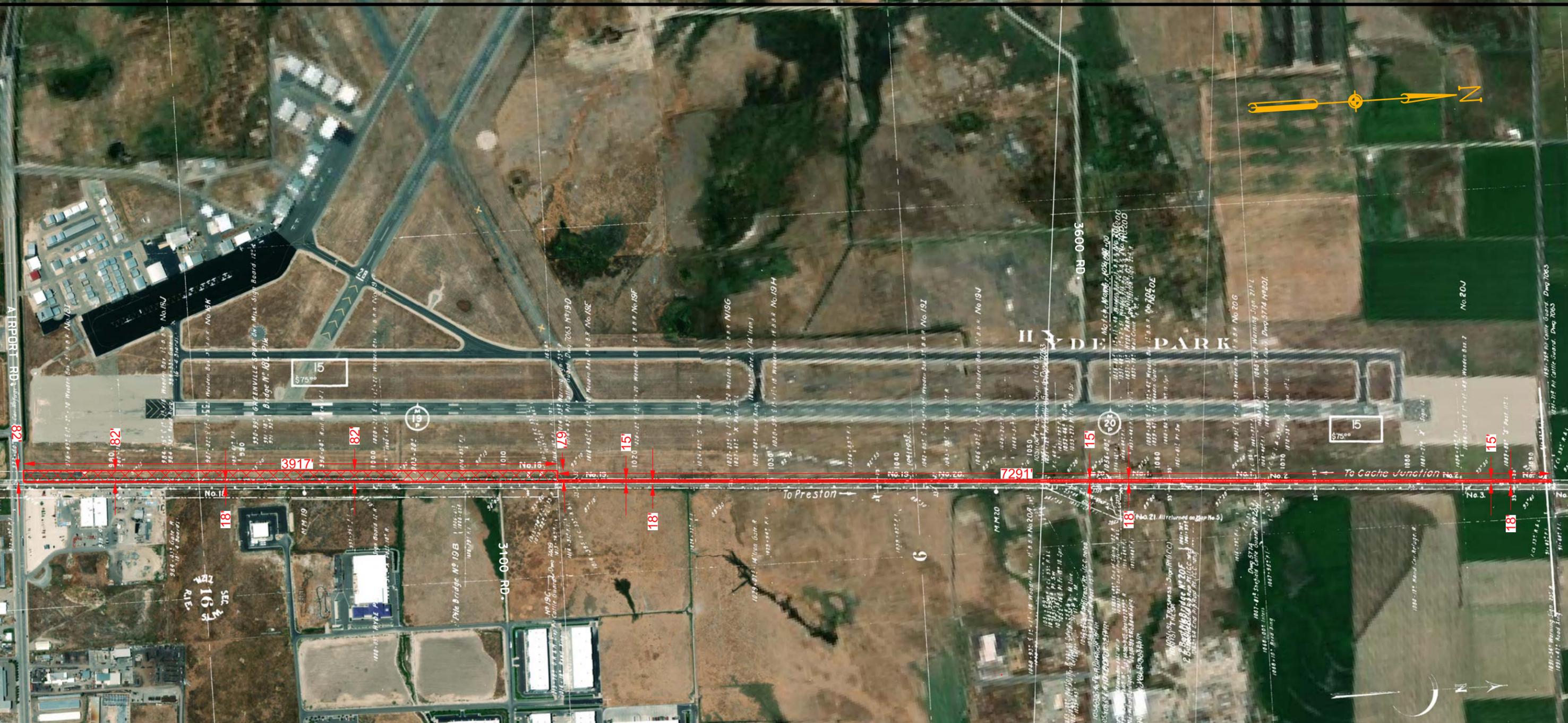
**04-062-0083
OREGON SHORT
LINE RAILROAD**

**04-062-0097
NORTH CACHE
PROPERTIES LLC**

**04-062-0096
HONEST AUTOMOTIVE
GROUP HOLDINGS LLC**

**04-062-0098 HONEST AUTOMOTIVE GROU
HONEST AU TOMOTIVE HOLDINGS LLC**

**04-062-0099
HOLDINGS LLC**



No.	GRANTOR	GRANTEE	INSTRUMENT	DATE OF DEED RECORD	BOOK PAGE	CUSTODIAN	REMARKS
1.	Logan City	U. & N. Ry. Co.	Ordinance	Mar. 23, 1880	Sec. No. 8		
2.	Possession						
3.	John Edwards		Warranty	Jan. 5, 1880	June 30, 1880	G. 151	453 451
4.	Estate of Thomas Davidson		Quitclaim	Jan. 5, 1880	June 30, 1880	G. 145	403 401
5.	William Wallerson		Quitclaim	Dec. 11, 1879	June 30, 1880	E. 456	496 494
6.	Elanora Nephri Terbet		Warranty	Dec. 11, 1879	June 30, 1880	G. 117	441 439
7.	Daniel Johnson			Dec. 11, 1879	June 30, 1880	G. 132	471 469
8.	Hans Mann			Dec. 11, 1879	June 30, 1880	G. 136	470 468
9.	John Anderson			Dec. 11, 1879	June 30, 1880	G. 120	443 441
10.	James Quayle			Dec. 11, 1879	June 30, 1880	G. 160	440 438
11.	Geo. L. Farrell			Jan. 5, 1880	June 30, 1880	G. 158	439 437
12.	Amalgamated Sugar Co.	D.S. L. R. Ry. Co.		Aug. 17, 1912		39	1671 464 434
13.	Hyrum Harball	U. & N. Ry. Co.		Dec. 11, 1879	June 30, 1880	G. 148	481 479
14.	Rasmus Jorgensen			Dec. 11, 1879	June 30, 1880	G. 119	441
15.	See No. 3 above.						

No.	GRANTOR	GRANTEE	INSTRUMENT	DATE OF DEED RECORD	BOOK PAGE	CUSTODIAN	REMARKS
17.	Christina Linsen	U. & N. Ry. Co.	Warranty	Dec. 11, 1879	June 30, 1880	G. 116	447 445
18.	Henry Flamm		Quitclaim	Jan. 6, 1880	June 30, 1880	E. 258	439 437
19.	Robert Daines	U. & N. Ry. Co.	Warranty	Dec. 11, 1879	June 30, 1880	G. 146	
20.	Reuben Perneke			Dec. 11, 1879	June 30, 1880	G. 144	
21.	Amalgamated Sugar Co.	D.S. L. R. Ry. Co.		Jan. 9, 1907	Feb. 19, 1907	E7	932

LEGEND:

LEASE AREA 

UPRRCO. R/W OUTLINED 

LEASE AREA: 9.89 ACRES +/-

CADD FILENAME	0087560
SCAN FILENAME	S:/OSL/UT/5/UTV5006.TIF

NOTE: BEFORE YOU BEGIN ANY WORK, SEE AGREEMENT FOR FIBER OPTIC PROVISIONS.

EXHIBIT "A"

UNION PACIFIC RAILROAD COMPANY
 LOGAN, CACHE COUNTY, UT
 M.P. 18.52 TO 20.66 - CACHE VALLEY SUB.

OSL/UT/V-5/6
 SCALE: 1" = 700'
 OFFICE OF REAL ESTATE
 OMAHA, NEBRASKA DATE: 6-8-2021
 DSK FILE: 875-60

Sheet No. 5 of Vol. Sec. Ut. 5 of Oregon Short L. survey station 0+00.0 to station 1792+27.0

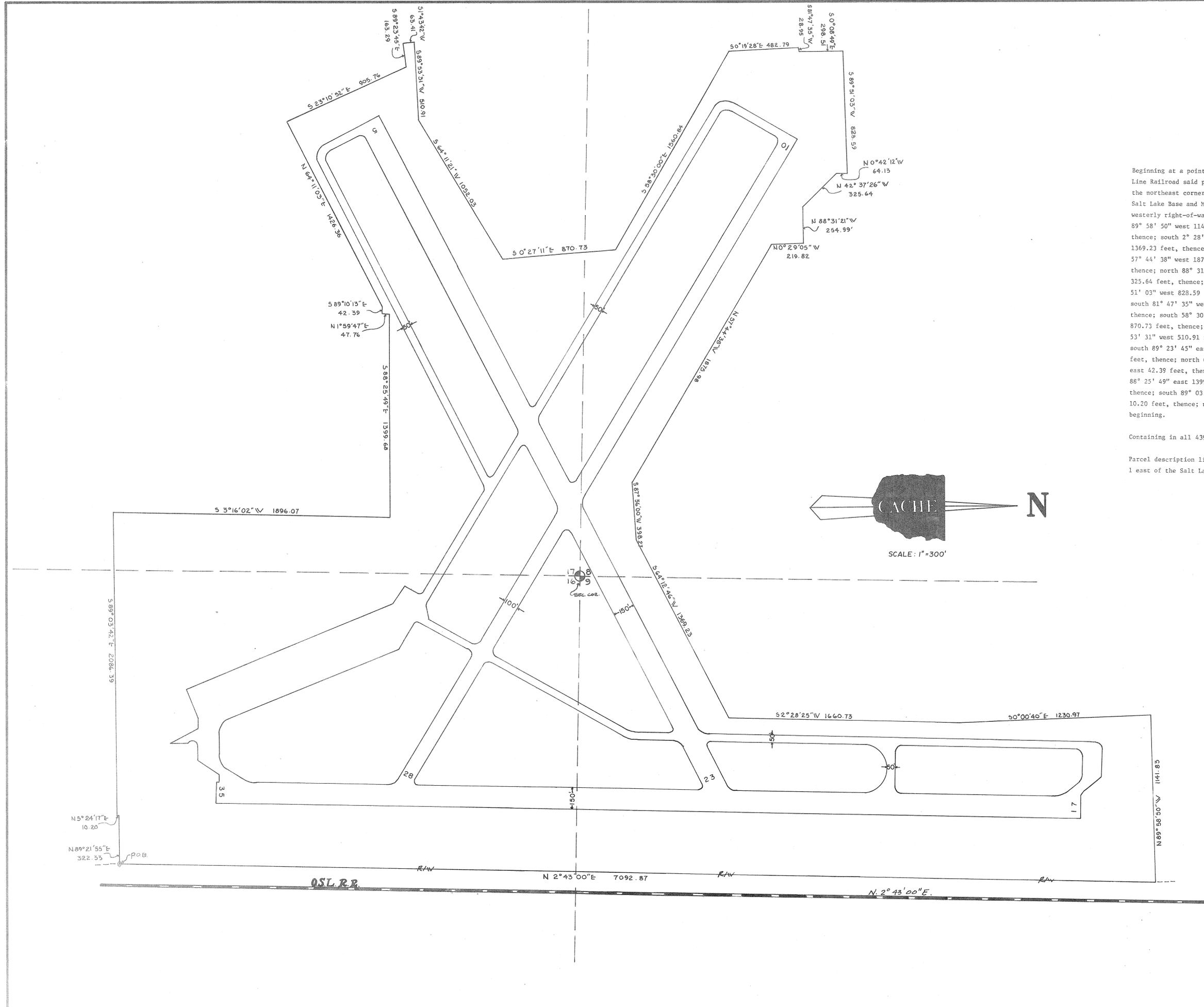
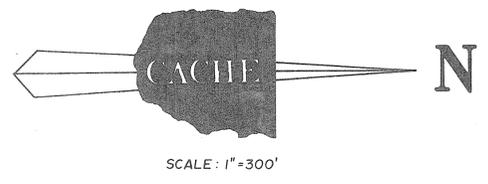
LOGAN-CACHE AIRPORT LEGAL DESCRIPTION

Beginning at a point in the westerly right-of-way line of the Oregon Short Line Railroad said point being 3356.37 feet south and 1669.14 feet east of the northeast corner of Section 16, Township 12 north, Range 1 east of the Salt Lake Base and Meridian and thence running along said railroad's westerly right-of-way line north 2° 43' 00" east 7092.87 feet, thence; north 89° 58' 50" west 1141.83 feet, thence; south 0° 00' 40" east 1230.97 feet, thence; south 2° 28' 25" west 1660.73 feet, thence; south 64° 12' 46" west 1369.23 feet, thence; south 87° 36' 00" west 398.27 feet, thence; north 57° 44' 38" west 1875.98 feet, thence; north 0° 29' 05" west 219.82 feet, thence; north 88° 31' 21" west 254.99 feet, thence; north 42° 37' 26" west 325.64 feet, thence; north 0° 42' 12" west 64.13 feet, thence; south 89° 51' 03" west 828.59 feet, thence; south 0° 08' 49" east 298.51 feet, thence; south 81° 47' 35" west 28.95 feet, thence; south 0° 19' 28" east 482.79 feet, thence; south 58° 30' 00" east 1560.84 feet, thence; south 0° 27' 11" east 870.73 feet, thence; south 64° 11' 21" west 1052.03 feet, thence; south 89° 53' 31" west 510.91 feet, thence; south 1° 43' 42" west 63.41 feet, thence; south 89° 23' 45" east 163.29 feet, thence; south 23° 10' 52" east 905.76 feet, thence; north 64° 11' 03" east 1426.36 feet, thence; south 89° 10' 13" east 42.39 feet, thence; north 1° 59' 47" east 47.76 feet, thence; south 88° 25' 49" east 1399.68 feet, thence; south 3° 16' 02" west 1896.07 feet, thence; south 89° 03' 42" east 2086.39 feet, thence; north 5° 24' 17" east 10.20 feet, thence; north 89° 21' 55" east 322.33 feet to the point of beginning.

Containing in all 439.1761 acres.

Parcel description lies in Sections 8, 9, 17, and 16; Township 12 north, Range 1 east of the Salt Lake Base and Meridian.

Paul B. Ward
CACHE COUNTY SURVEYOR



CACHE COUNTY ENGINEER LOGAN, UTAH	
LOGAN-CACHE CO. AIRPORT	
DRAWN BY PBW	9-76
SURVEYED BY PBW	NDW
CHECKED BY	
REVISIONS	
SHEET 1 OF 1	