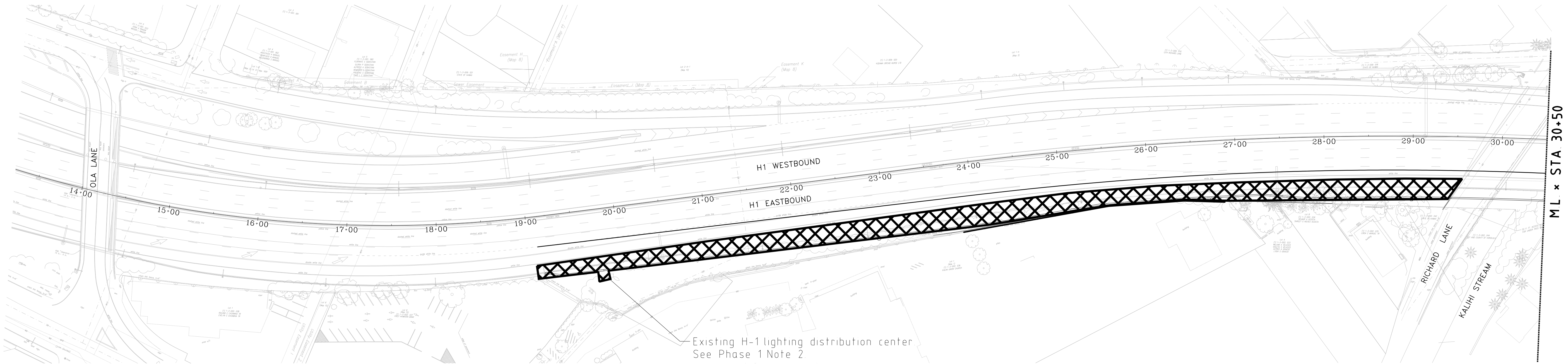


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HAWAII	HAW.	H1H1-01-09	2022		XX



GENERAL NOTES

- General notes apply to all Construction Staging Plans
- All construction signing will be paid under Temporary Traffic Control
- Maintain a minimum 10-foot lane in each direction on H-1
- Maintain a minimum 9-foot lane in each direction on Gulick Avenue
- See Sheet PH101 Note 3 for information on peak hours, non-peak hours, and closure times on H-1.
- Shoulder closures on H-1 shall be allowed 24 hours a day, 7 days a week for the duration of the project within the project limits.
- No lane closures shall be allowed during the "Back to School Jam" moratorium and Thanksgiving/Christmas holiday moratorium Contractor to confirm moratorium dates and schedule with HDOT.
- See Project Specifications Section 645 for additional traffic control requirements
- Construction Staging Plans are proposed recommendations and are not intended to dictate contractor's means and methods Contractor shall provide detailed construction staging plans for Engineer's review and approval prior to start of work
- Refer to Traffic Control Plans and Temporary Detour Plans for additional information

PHASE 1 H-1 EB WIDENING PLAN

Scale 1" = 60'

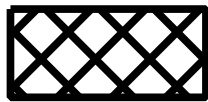
PHASE 1 NOTES

- Close shoulders See General Note 7
- Construct new lighting distribution center and conduit See electrical plans for limits of work
- Demolish existing retaining walls
- Relocate/establish temporary highway lighting
- Install drainage structures along H-1 (except in the vicinity of Gulick Avenue Bridge)
- Construct new retaining walls
- Widen roadway pavement
- Install new cantilever sign structures

TRAFFIC CONTROL PHASE 1 NOTES

- Traffic is maintained on H-1
- Install temporary traffic control for closed shoulders.

LEGEND



Constructed this phase

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

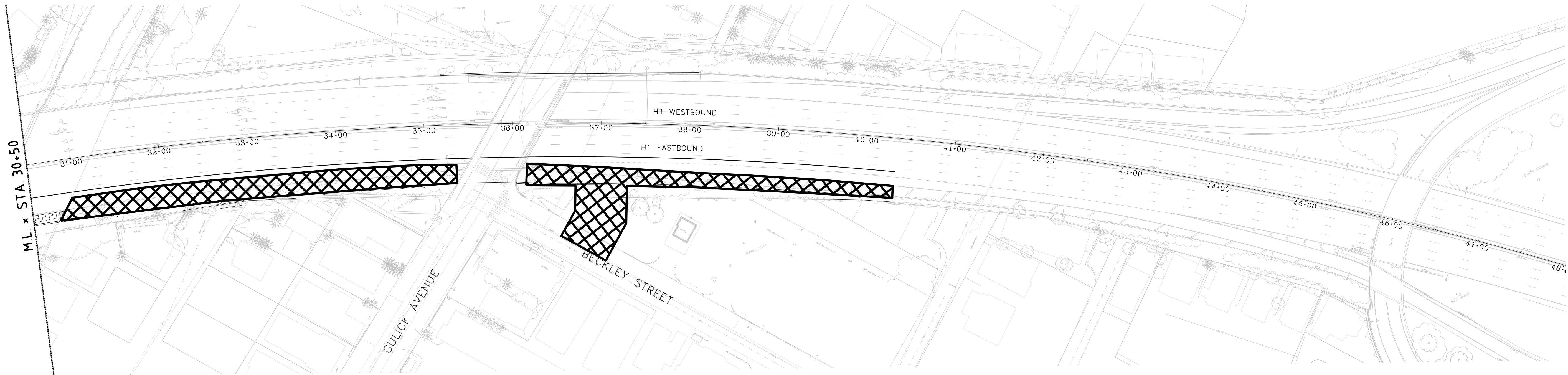
CONSTRUCTION STAGING PLAN
PHASE 1

INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No H1H1-01-09
Scale 1" = 60' Date April 2022

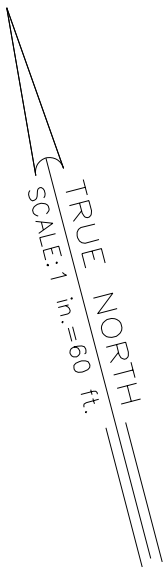
SHEET No. PH0.01 OF 8 SHEETS

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PHASE 1 H-1 EB WIDENING PLAN
Scale: 1" = 60'



TRAFFIC CONTROL PHASE 1 NOTES

- 1 Traffic is maintained on H-1
- 2 Install temporary traffic control for closed shoulders.

PHASE 1 NOTES

- 1 Close shoulders See General Note 7
- 2 Construct new lighting distribution center and conduit See electrical plans for limits of work.
- 3 Demolish existing retaining walls.
- 4 Relocate/establish temporary highway lighting
- 5 Install drainage structures along H-1 (except in the vicinity of Gulick Avenue Bridge).
- 6 Construct new retaining walls
- 7 Widen roadway pavement
- 8 Install new cantilever sign structures
- 9 Install new 36" waterline Beckley Street (Makai Side)

LEGEND

 Constructed this phase

APPROVED

CHIEF, CIVIL ENGINEER BRANCH, DPP **DATE**

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION STAGING PLAN
PHASE 1
INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No H1H1-01-09
Scale 1" = 60' Date April 2022

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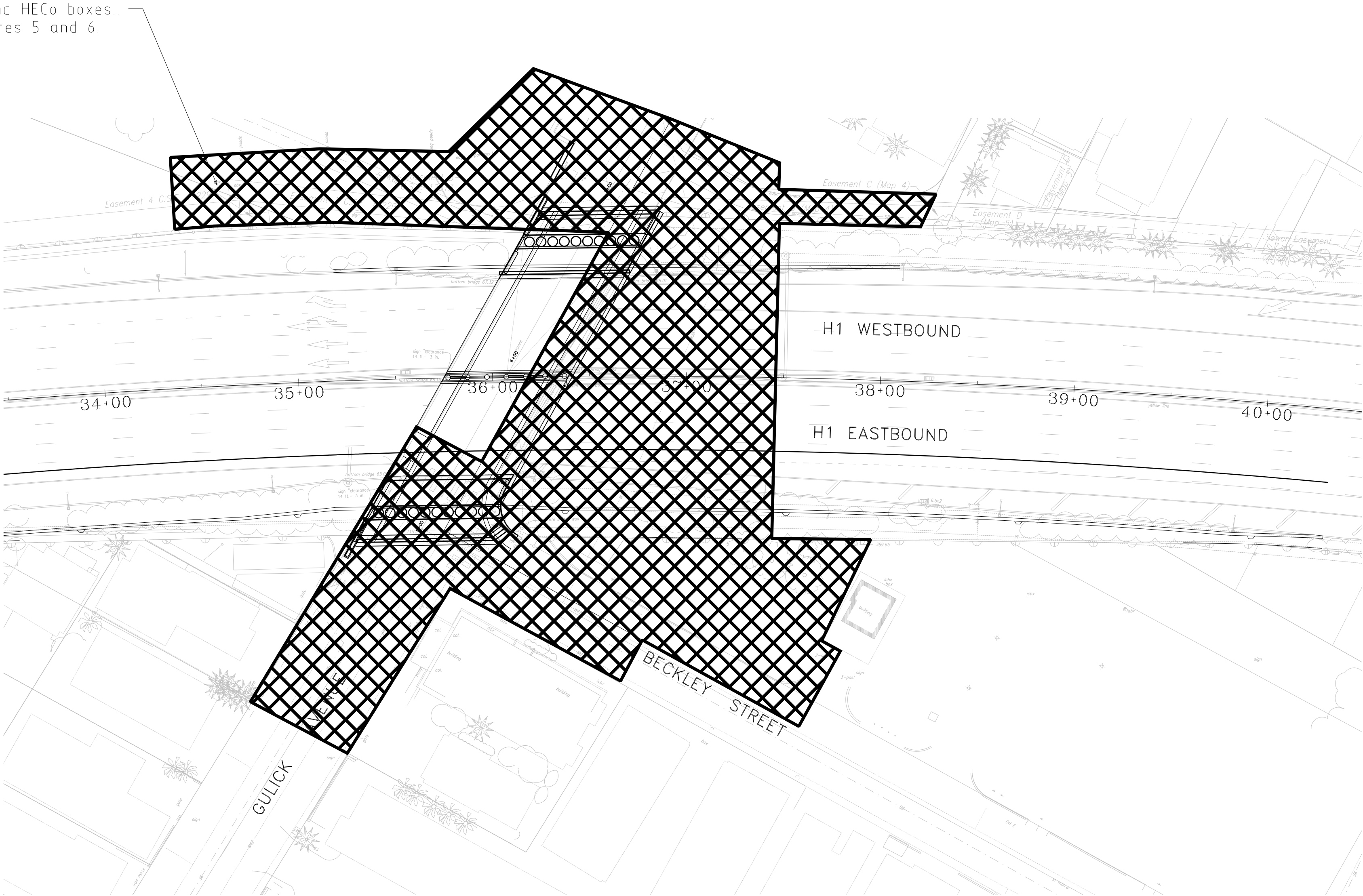
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TRAFFIC CONTROL PHASE 2 NOTES

1. Traffic is maintained on H-1 during peak and non-peak hours (See Sheet PH101 Note 3 for information on peak hours and non-peak hours on H-1), except for the night closures in note 3
2. Maintain pedestrian access across Gulick Avenue overpass during Phase 2 work
3. Installation of temporary pedestrian bridge will require partial closure of Gulick Avenue and full WB and EB closure of H-1 from Saturday 8:00 p.m. to Sunday 8:00 a.m.
4. Maintain two-way traffic on Gulick Avenue (one lane in each direction) from 5:30 a.m. to 8:30 a.m. and from 3:30 p.m. to 7:00 p.m. for Phase 2 work. Maintain a minimum of one lane over the bridge during non-peak (8:30 a.m. to 3:30 p.m.) and nighttime hours (7:00 p.m. to 5:30 a.m.) If reduced to one lane, maintain two-way traffic with police officer.
5. Temporary traffic signal shall be installed prior to shifting any lanes at Gulick Avenue and Beckley Street intersection.
6. Partial closure of Kalihi-Waena Neighborhood Park required during Phase 2 work.
7. One lane closure of Beckley Street in westbound direction allowed during Phase 2 work.

PHASE 2 NOTES

1. Phase 2 includes both Phase 2a and 2b. See Phasing Schedule.
2. Close Diamond Head Side of Gulick Avenue as needed. Install Traffic Control.
3. Shut off 6" and 12" Water on both sides of Gulick Bridge.
4. Install temporary pedestrian bridge and temporary lighting.
5. Relocate HTCo from Gulick Bridge to temporary pedestrian bridge.
6. Relocate CATV aerial line from Gulick Bridge to temporary pedestrian bridge. Relocate power cables from Gulick Bridge to temporary aerial lines adjacent to temporary pedestrian bridge.
7. Temporarily relocate 2" Gas.
8. Relocate the 8" Sewer on Mauka Side of Gulick Bridge.
9. Construct pedestrian connections to temporary pedestrian bridge.
10. Install new 36" waterline Gulick Avenue (Mauka Side).
11. Install new 12" waterline along Gulick Avenue.
12. For 42" waterline and utilities see phasing plan WTXX XX.



PHASE 2 TEMPORARY PEDESTRIAN BRIDGE AND TEMPORARY RELOCATION OF UTILITIES PLAN

Scale 1" = 40'

LEGEND



Constructed this phase

APPROVED

CHIEF, CIVIL ENGINEER BRANCH, DPP DATE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CONSTRUCTION STAGING PLAN	
PHASE 2	
INTERSTATE ROUTE H1 (EB) IMPROVEMENTS	
Ola Lane Overpass to Likelike Hwy Off-Ramp	
Project No H1H1-01-09	
Scale 1" = 40'	Date April 2022

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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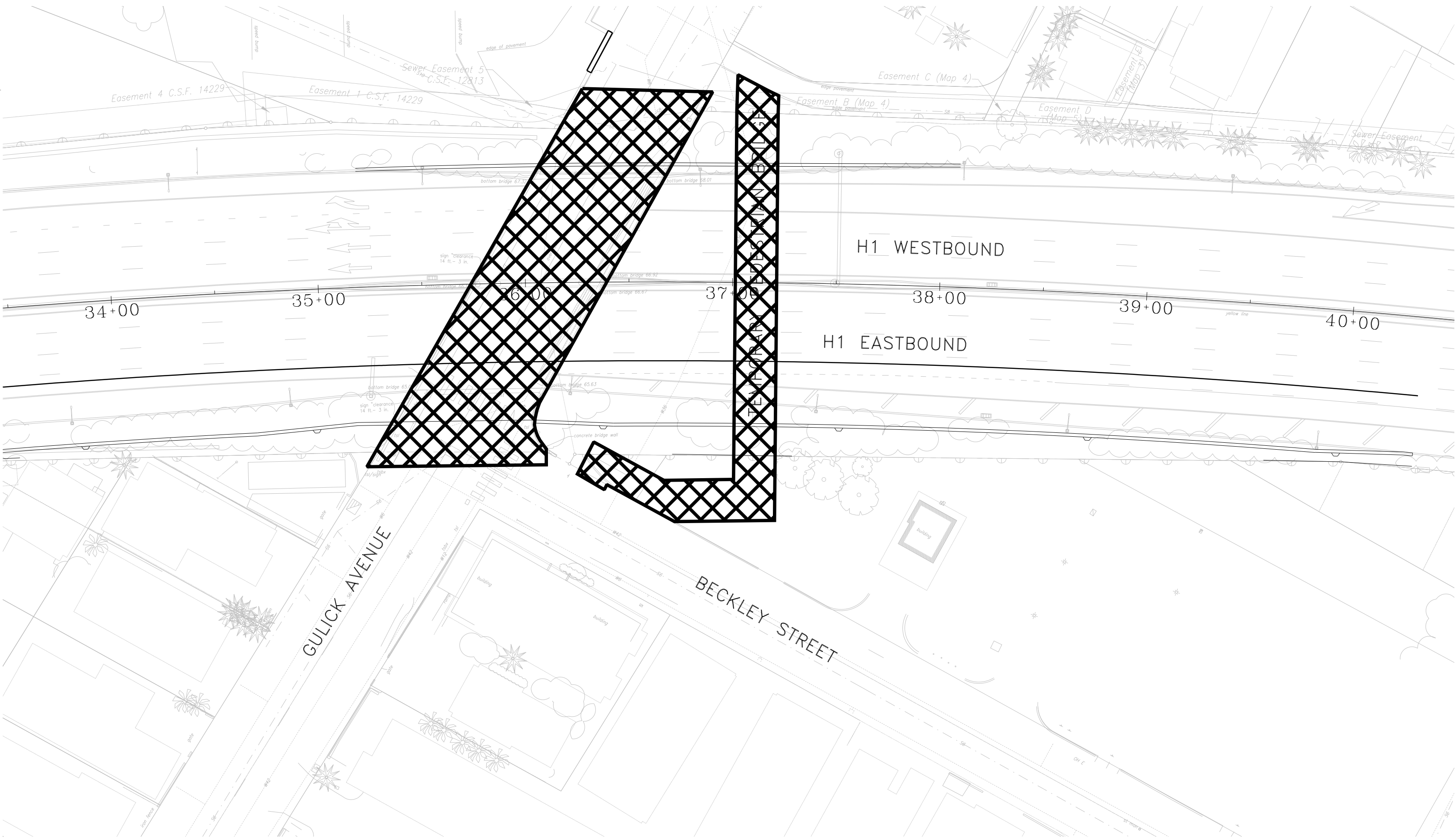
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1H1-01-09	2022		XX

TRAFFIC CONTROL PHASE 3 NOTES

- 1 Traffic is maintained on H-1 during peak and non-peak hours (See Sheet PH101 Note 3 for information on peak hours and non-peak hours on H-1)
- 2 Two-way traffic is maintained on Gulick Avenue until the bridge closure. Maintain two lanes over the bridge from 5:30 a.m. to 8:30 a.m. and from 3:30 p.m. to 7:00 p.m. Maintain a minimum of one lane over the bridge during non-peak (8:30 a.m. to 3:30 p.m.) and nighttime hours (7:00 p.m. to 5:30 a.m.). If reduced to one lane, maintain two-way traffic with police officer.
- 3 Temporary traffic signal installed in Phase 2 shall be shifted to line up with Gulick Avenue lanes during bridge construction while bridge is open to vehicle traffic.
- 4 Set up detour prior to closure of Gulick Avenue Bridge. Maintain one-way traffic at intersection to allow right turn from Gulick Avenue to Beckley Street.
- 5 Up to two lanes of H-1 may be closed in each direction for work on H-1 including the median and shoulder. See General Note 6 for allowable closure times.

PHASE 3 NOTES

- 1 Phase 3 includes Phase 3a through 3e. See phasing schedule.
- 2 Close Gulick Avenue Bridge to pedestrians. Install pedestrian crossing of Gulick Avenue on mauka side of bridge to facilitate access to temporary pedestrian bridge.
- 3 Shift lanes and maintain two-way traffic on bridge per Traffic Control Notes 2 and 3, this sheet. Construct drilled shafts and new abutments, remove AC pavement on bridge, demolish sidewalk on bridge, install post-tensioning. See Structural Plans for Gulick Avenue Bridge Construction Sequence.
- 4 Close Gulick Avenue Bridge to vehicles, see Traffic Control Note 4, this sheet. Install detour for bridge closure.
- 5 Construct new concrete overlay, bridge sidewalks, new bridge slab extension, post-tensioning in extension, end beams, bridge railings, sleeper slab, and approach slab. See Structural Plans for Gulick Avenue Bridge Construction Sequence.
- 6 H-1 Center Pier work, See Structure Plans for Gulick Avenue Bridge Construction Sequence. Close inside lanes in both directions on H-1. See Traffic Control Note 5, this sheet.
- 7 Remove existing abutments and wingwalls on both makai and mauka side of H-1. Coordination with H-1 retaining walls recommended. Work requires closure of two outside lanes on H-1 in each direction. See Traffic Control Note 5, this sheet.
- 8 Excavate and construct concrete facing at new abutments. Work requires closure of one lane on H-1 in each direction. See Traffic Control Note 5, this sheet.
- 9 Install drainage infrastructure. Construct H-1 roadway pavement widening under bridge.
- 10 Install permanent traffic signal and remove all temporary signal infrastructure.
- 11 Open Gulick Avenue Bridge to vehicles and pedestrians. Remove temporary pedestrian bridge.
- 12 Install temporary 8" waterline along temporary bridge, tapped into new 12" waterline.



PHASE 3 GULICK BRIDGE PLAN
Scale 1" = 40'

LEGEND

 Constructed this phase

APPROVED

CHIEF, CIVIL ENGINEER BRANCH, DPP DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION STAGING PLAN
PHASE 3
INTERSTATE ROUTE H-1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No H1H1-01-09
Scale 1" = 40' Date April 2022

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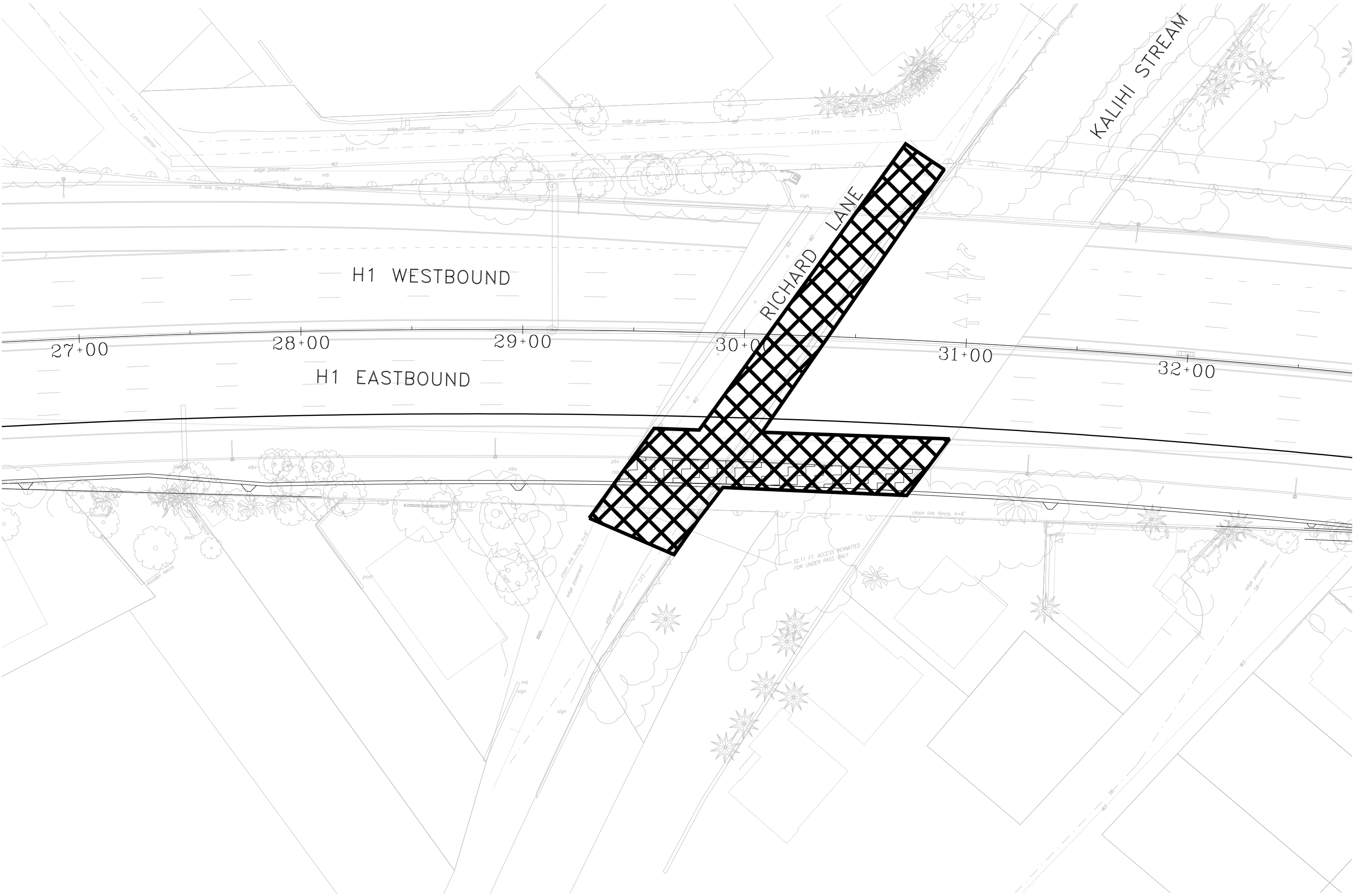
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TRAFFIC CONTROL PHASE 4 NOTES

- 1
- Traffic is maintained on H-1 during peak and non-peak hours (See Sheet PH101 Note 3 for information on peak hours and non-peak hours on H-1)
- 2
- Richard Lane may be reduced to one lane during non-peak (8 30 a.m. to 3 30 p.m.) and nighttime hours (7 00 p.m. to 5 30 a.m.) Maintain two-way traffic with police officer if reduced to one lane
- 3
- Up to two lanes of H-1 may be closed for work on H-1 including the median and shoulder See General Note 6 on sheet PH0 01 for allowable closure times

PHASE 4 NOTES

- 1
- Relocate sewer and gas line on Richard Lane prior to bridge pier construction
- 2
- Relocate utilities including inlet, drain pipe, lighting, and conduit that run along the outside of existing traffic barrier along H-1 bridge
- 3
- Temporary drainage during construction shall be maintained Install temporary BMPs
- 4
- Close outside lanes on H-1 See Traffic Control Notes 2 and 3, this sheet Install shafts, abutment walls, pier wall and superstructure Coordination with H-1 retaining walls recommended See Structural Plans for Kalihi Stream Bridge Construction Sequence
- 5
- Demolish existing bridge railing and connect new bridge to existing structure See Structure Plans for Kalihi Stream Bridge Construction Sequence
- 6
- Construct new bridge railing and remove temporary barriers Install rock wall and AC on new bridge slab



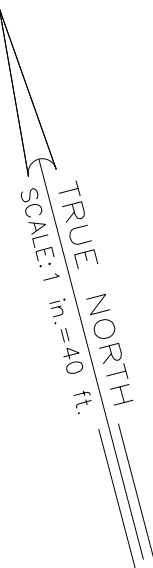
PHASE 4 KALIHI STREAM BRIDGE PLAN

Scale 1" = 40'

LEGEND



Constructed this phase



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

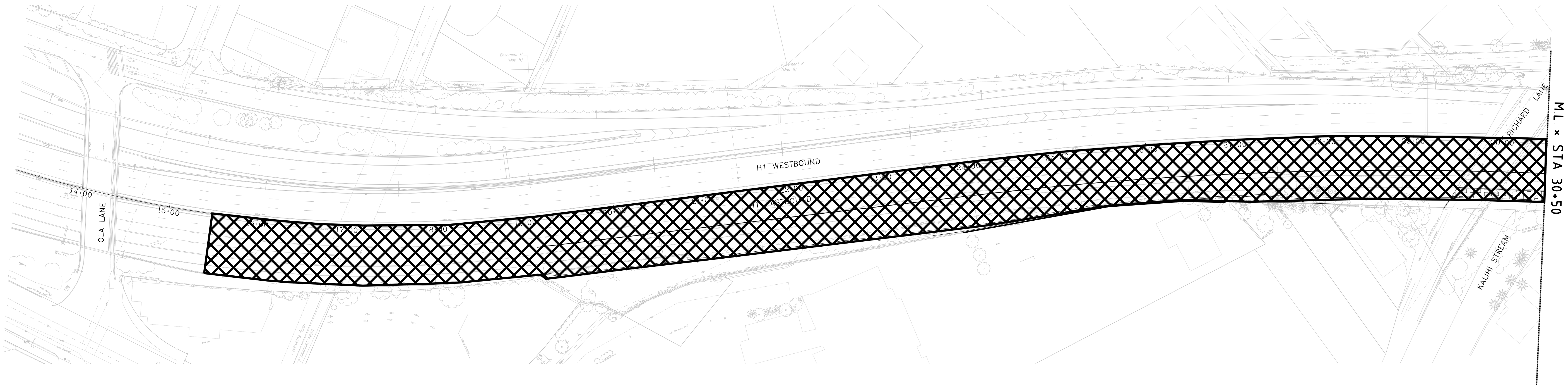
CONSTRUCTION STAGING PLAN
PHASE 4

INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No H1H1-01-09
Scale 1" = 40' Date April 2022

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TRAFFIC CONTROL PHASE 5 NOTES

- 1 Traffic is maintained on H-1 during peak and non-peak hours See Sheet PH101 Note 3 for information on peak hours and non-peak hours on H-1
- 2 Up to two lanes of H-1 may be closed for work on H-1 See General Note 3 on sheet PH0 01 for allowable closure times

PHASE 5 NOTES

- 1 Pave final 2 inch lift of pavement section
- 2 Remove existing striping that conflicts with final channelization outside of paving area
- 3 Install final striping and pavement markings
- 4 Restore City and County driveways and sidewalks
- 5 Restore Kalihi-Waena Neighborhood Park and Kalihi Waena Elementary School property including landscaping and parking lot paving
- 6 Restore private property within work zone

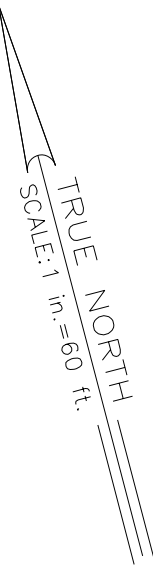
PHASE 5 H-1 EB FINAL PAVING AND STRIPING PLAN

Scale 1" = 60'

LEGEND



Constructed this phase



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

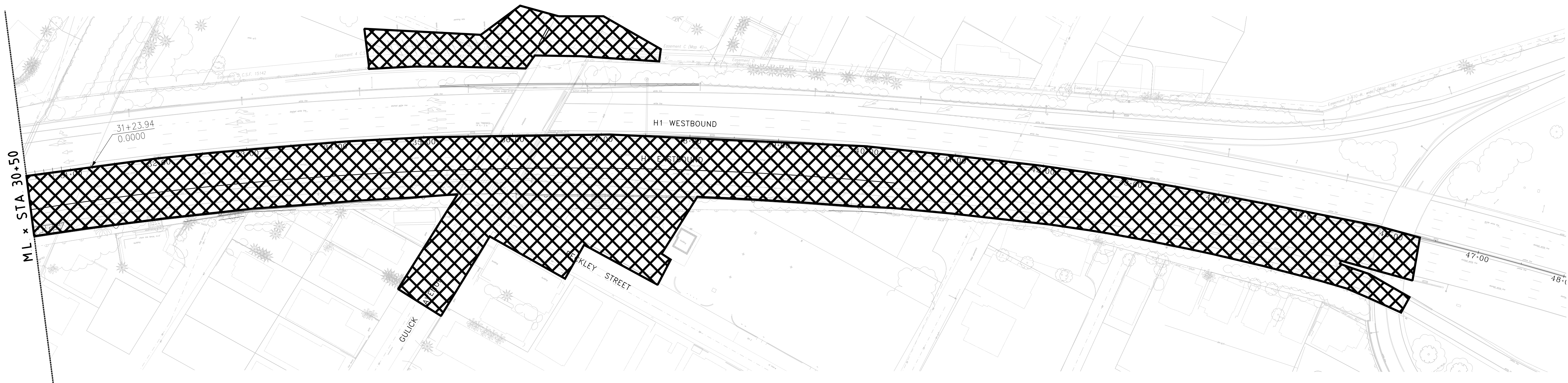
CONSTRUCTION STAGING PLAN
PHASE 5

INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No H1H1-01-09
Scale 1" = 60' Date April 2022

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PHASE 5 H-1 EB FINAL PAVING AND STRIPING PLAN
Scale: 1" = 60'

TRAFFIC CONTROL PHASE 5 NOTES

1. Traffic is maintained on H-1 during peak and non-peak hours See Sheet PH101 Note 3 for information on peak hours and non-peak hours on H-1.
2. Up to two lanes of H-1 may be closed for work on H-1 See General Note 3 on sheet PH0 01 for allowable closure times

PHASE 5 NOTES

1. Pave final 2 inch lift of pavement section
2. Remove existing striping that conflicts with final channelization outside of paving area
3. Install final striping and pavement markings
4. Restore City and County driveways and sidewalks
5. Restore Kalihi-Waena Neighborhood Park and Kalihi Waena Elementary School property including landscaping and parking lot paving
6. Restore private property within work zone

LEGEND

 Constructed this phase

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION STAGING PLAN
PHASE 5
INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No H1H1-01-09
Scale 1" = 60' Date April 2022
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PHASING SCHEDULE

PHASE	PHASE DESCRIPTION	MAJOR ACTIVITIES	CORRESPONDING DETOUR PLAN	SURFACE STREET CLOSURES	H-1 LANE CLOSURES	TRAFFIC CONTROL PLAN SCHEME
1	H-1 EB Widening Plan	Roadway widening, retaining walls, lighting, cantilever sign structures, and drainage structures along H-1 (except in the vicinity of Gulick Avenue Bridge)				
2A	Temporary Pedestrian Bridge and Temporary Relocation of Utilities Plan	Temporary traffic signal at Gulick Avenue/Beckley St Install temporary pedestrian bridge and lighting, relocate utilities, and pedestrian connections	H-1 EB Closure H-1 WB Closure Beckley WB Closure	Gulick Avenue (1 lane closure during non-peak and nighttime hours with police officer) Beckley Street WB Closure	H-1 EB Shoulder H-1 EB Full Closure H-1 WB Full Closure	Figure 1 Figure 2
2B	Temporary Pedestrian Bridge and Temporary Relocation of Utilities Plan	Relocate existing gas and sewer on Gulick Bridge		Gulick Avenue (1 lane closure during non-peak and nighttime hours with police officer)		Figure 2
3A	Gulick Bridge Plan	Adjust temporary traffic signal at Gulick Avenue/Beckley St Install pedestrian crossing of Gulick Avenue to temporary pedestrian bridge Construct bridge work per Gulick Avenue Bridge Construction Sequence, Steps 1 and 2		Gulick Avenue (1 lane closure during non- peak and nighttime hours with police officer)		Figure 2
3B	Gulick Bridge Plan	Construct bridge work per Gulick Avenue Bridge Construction Sequence, Steps 3 through 19, and 27	Gulick Bridge Full Closure			Figure 2
3C	Gulick Bridge Plan	H-1 center pier work Remove existing bridge abutments and wingwalls	Gulick Bridge Full Closure		H-1 EB Lane Closure (up to 2 lanes) H-1 WB Lane Closure (up to 2 lanes)	Figure 3, 4 & 5
3D	Gulick Bridge Plan	Construct facing at new abutments per Gulick Avenue Bridge Construction Sequence, Steps 22 through 26 Install drainage infrastructure and H-1 roadway pavement under bridge			H-1 EB Lane Closure (1 lane) H-1 WB Lane Closure (1 lane)	Figure 3 & 5
3E	Gulick Bridge Plan	Remove temporary pedestrian bridge Install permanent traffic signal and remove temporary signal infrastructure		Gulick Avenue (1 lane closure during non-peak and nighttime hours with police officer)	H-1 EB Full Closure H-1 WB Full Closure	Figure 2
4	Kalihi Stream Bridge Plan	Relocate existing sewer and gas line on Richard Lane Relocate existing utilities on bridge Construct bridge work per Richard Lane/Kalihi Stream Bridge Construction, Steps 2 through 12		Richard Lane (1 lane closure during non-peak and nighttime hours with police officer)	H-1 EB Shoulder H-1 EB Lane Closure (up to 2 lanes) H-1 WB Lane Closure (1 lane)	Figure 1, 2, 3, 4 & 5
5	H-1 EB Final Paving and Striping Plan	Pave final lift of pavement Install final striping and pavement markings Restore park property, private property, driveways and sidewalk			H-1 EB Lane Closure (up to 2 lanes)	Figure 3 & 4

Allowable H-1 Nighttime Lane Closure Times

	Shoulder	1 Lane Closed	2 Lanes Closed	Full Closure (all lanes)
Monday to Thursday	24 hours	8 00 pm - 4 30 am	9 30 pm - 4 30 am	Not allowed
Friday	24 hours	8 00 pm - 7 00 am	10 00 pm - 7 00 am	Not allowed
Saturday	24 hours	8 00 pm - 7 00 am	10 00 pm - 7 00 am	8 00 pm - Midnight
Sunday	24 hours	8 00 pm - 4 30 am	9 30 pm - 4 30 am	Midnight - 8 00 am

NOTES

1. Refer to Traffic Control Plans and Detour Plans for additional information.
2. Refer to Gulick Avenue Bridge Construction Sequence and Richard Lane/Kalihi Stream Bridge Construction Sequence for additional information.
3. Peak hours on H-1 shall be from 4 30 a.m to 8 30 a.m and 3 00 p.m to 8 00 p.m per Project Specification Section 645.03F. Non-peak hours will be from 8 30 a.m to 3 00 p.m. Allowable nighttime H-1 closure times are listed in the table below on this sheet, unless otherwise specified.
4. Utility service connection work may be performed at night to minimize disruption of service to the public. Unless otherwise specified, the Contractor will be permitted to work in multiple work zones provided the impact to the public is acceptable to the Engineer and there is no additional cost. The Engineer may rescind its permission in part or in whole at any time. The rescindment of permission shall not be a basis of any claim by the Contractor for additional cost or time.
5. The number of full closures along H-1 shall not exceed two (2) weekend closures of 12-hours each.

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STATE OF HAWAII
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HIGHWAYS DIVISION

CONSTRUCTION STAGING PLAN
PHASING SCHEDULE

INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No H1H1-01-09

Scale N/A
Date April 2022

SHEET No. PH1.01 OF 8 SHEETS