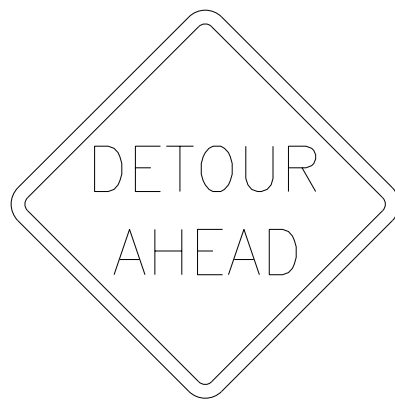


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	197	466



CW20-3
30"x30"



CW20-2
30"x30"



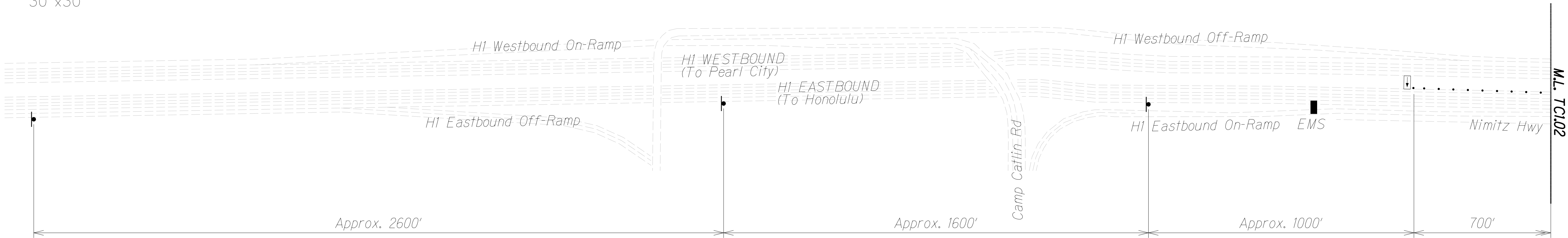
W4-2R
30"x30"

EMS
HI EB
CLOSED
AHEAD

Phase 1

DETOUR
NIMITZ
HWY

Phase 2



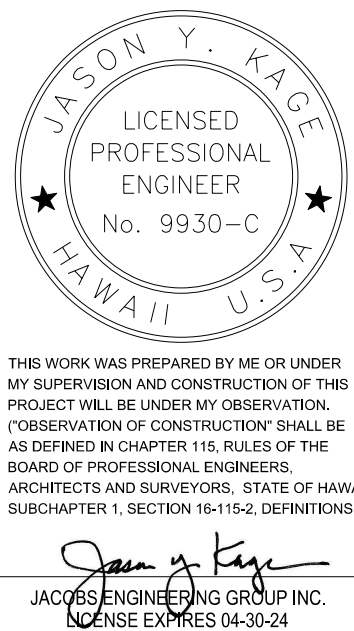
PLAN
Scale: 1" = 200'

LEGEND

- Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- Arrow Board Assembly

NOTES

- See DT0.01 for Detour Plans.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

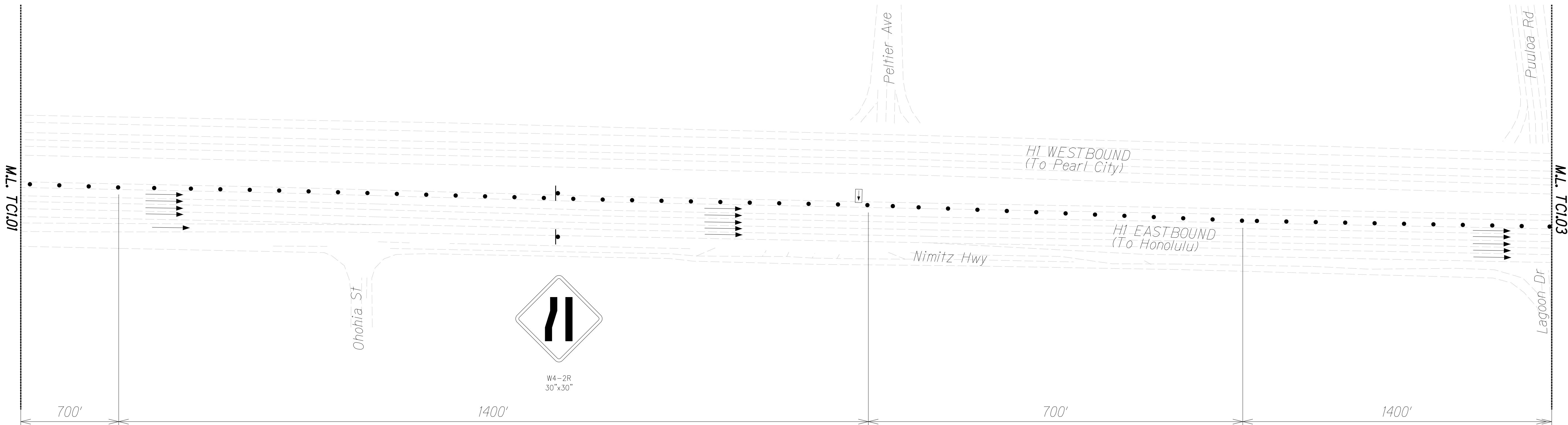
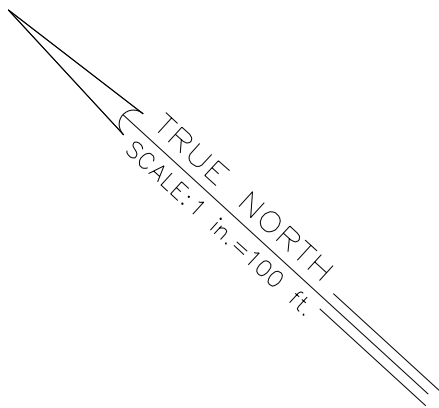
TRAFFIC CONTROL PLAN
HI EASTBOUND CLOSURE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 200' Date: Dec 2022

SHEET No. TC1.01 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-112801	2023	198	466



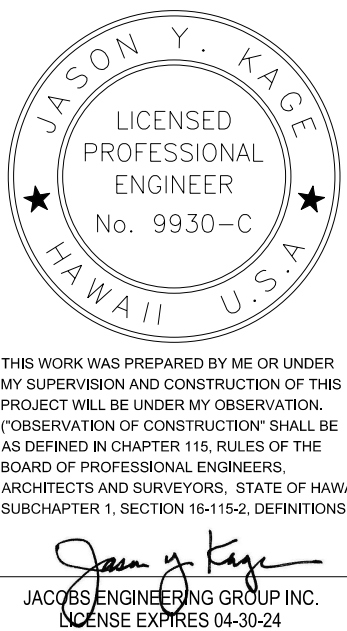
PLAN
Scale: 1" = 100'

LEGEND

- ▲ Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- ▶ Arrow Board Assembly

NOTES

1. See DT0.01 for Detour Plans.



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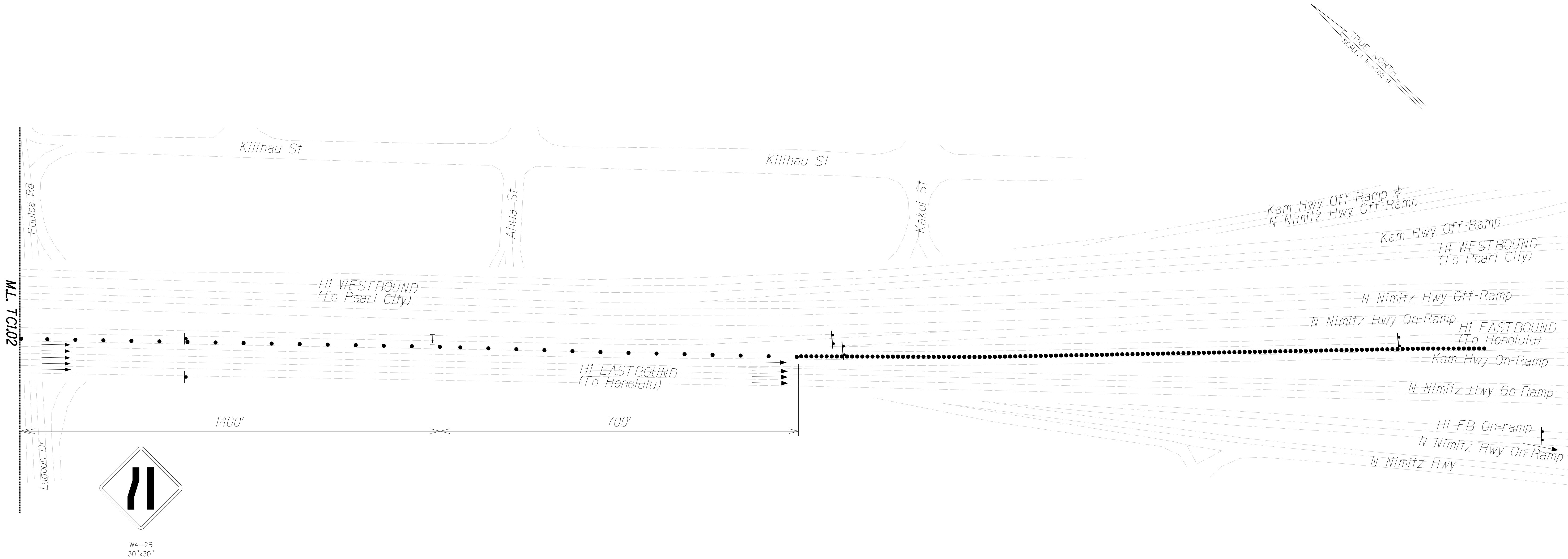
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
HI EASTBOUND CLOSURE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-112801

Scale: 1" = 100' Date: Dec 2022

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	199	466



11:13
PLOT TIME: 27-FEB-2023
M.L. TC102



W4-2R
30'x30'

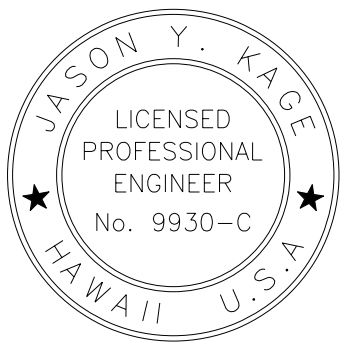
PLAN
Scale: 1" = 100'

LEGEND

- Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- Arrow Board Assembly

NOTES

1. See DT0.01 for Detour Plans.



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Jason Y. Kage
JACOB ENGINEERING GROUP INC.
LICENSE EXPIRES 06-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

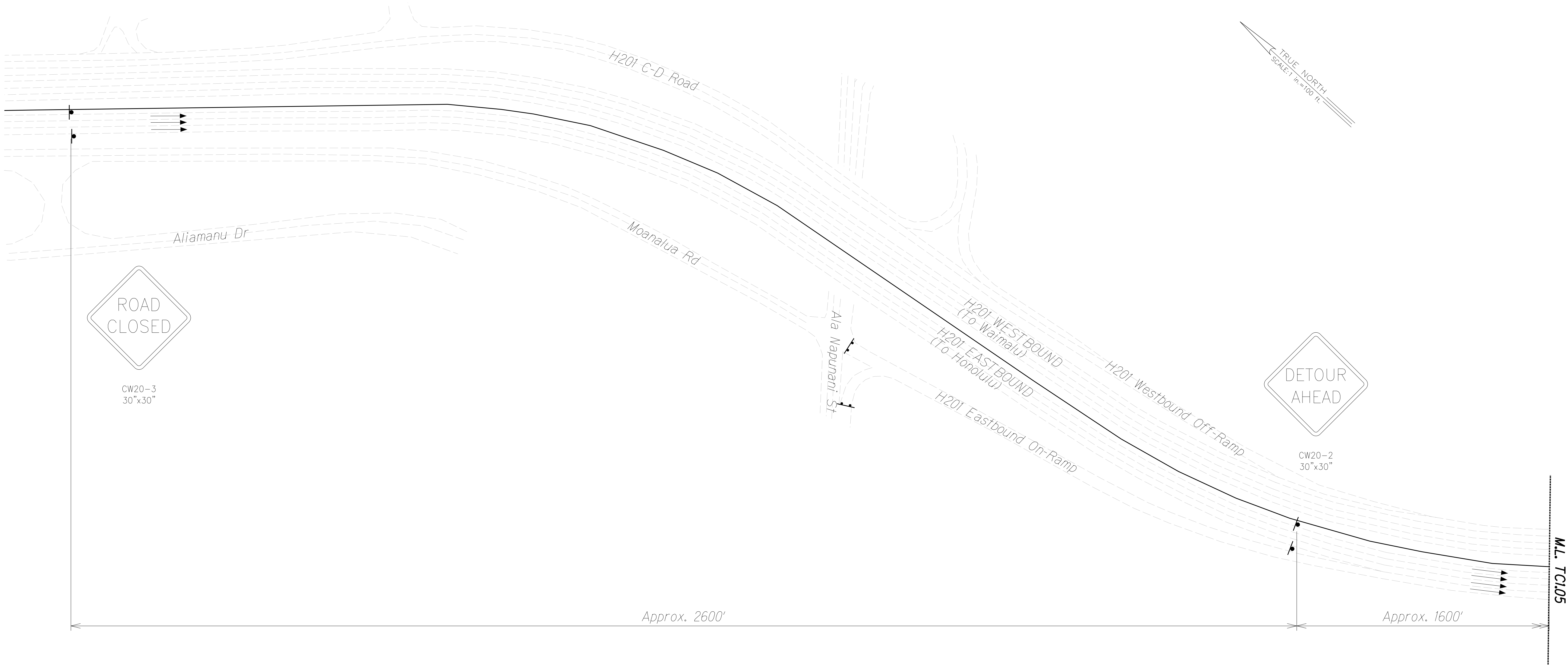
TRAFFIC CONTROL PLAN
HI EASTBOUND CLOSURE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 100' Date: Dec 2022

SHEET No. TC1.03 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	200	466



PLAN
Scale: 1" = 100'

LEGEND

- Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- Arrow Board Assembly

NOTES

1. See DT0.02 for Detour Plans.



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Jason Y. Kage
JACOB ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
HI EASTBOUND CLOSURE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

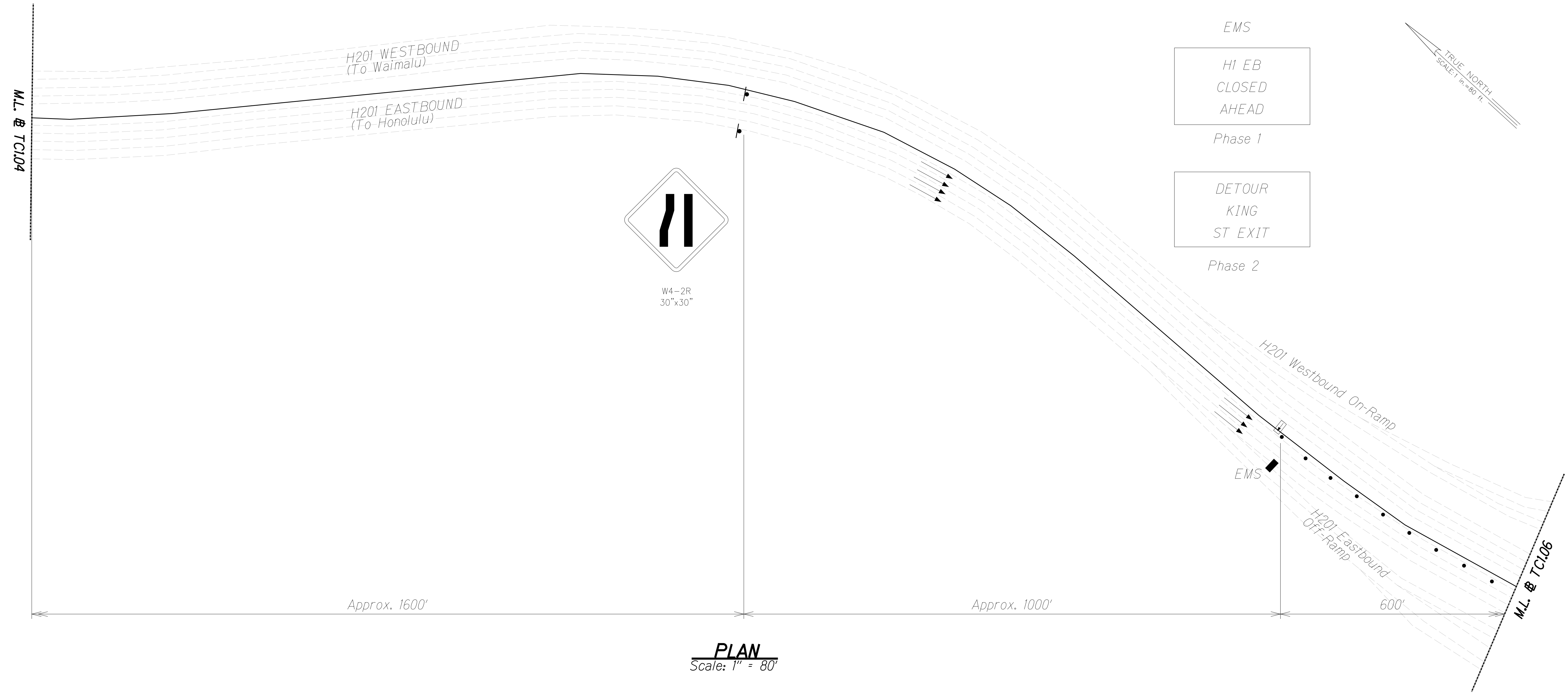
Scale: 1" = 100' Date: Dec 2022

SHEET No. **TC1.04** OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	201	466

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PLOT TIME: 27-FEB-2023 11:14

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



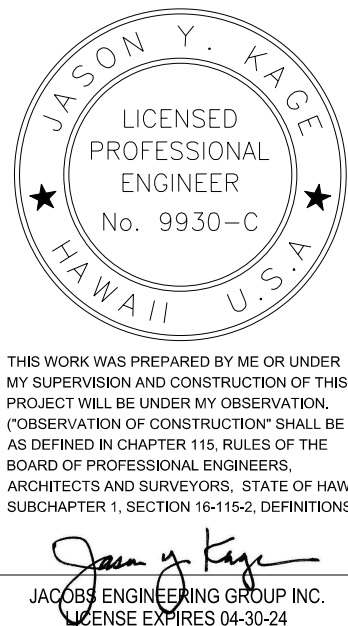
PLAN
Scale: 1" = 80'

LEGEND

- Type IIII barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- ➡ Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- ➡ Arrow Board Assembly

NOTES

1. See DT0.01 for Detour Plans.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
HI EASTBOUND CLOSURE

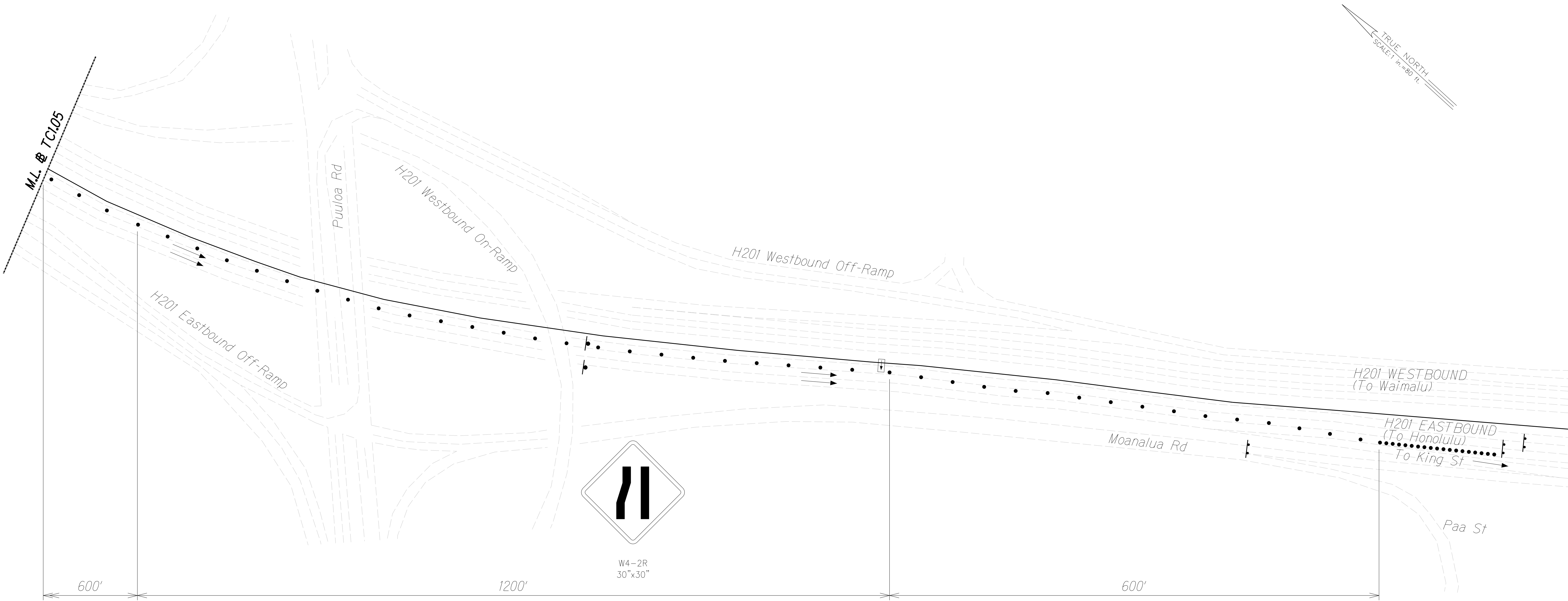
INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 80' Date: Dec 2022

SHEET No. TC1.05 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	202	466

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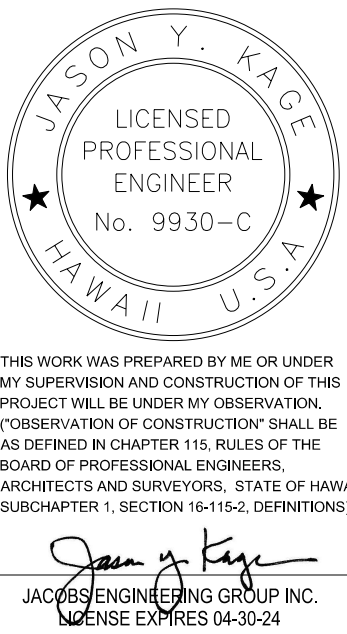


LEGEND

- Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- Arrow Board Assembly

NOTES

1. See DT0.01 for Detour Plans.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
HI EASTBOUND CLOSURE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 80' Date: Dec 2022

SHEET No. **TC1.06** OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	203	466

DRAWING NAME: 419596_TempDetourTrafficControl-01.dgn PLOT TIME: 27-FEB-2023 11:14

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	CHECKED BY	
No.	QUANTITIES BY	
	CHECKED BY	

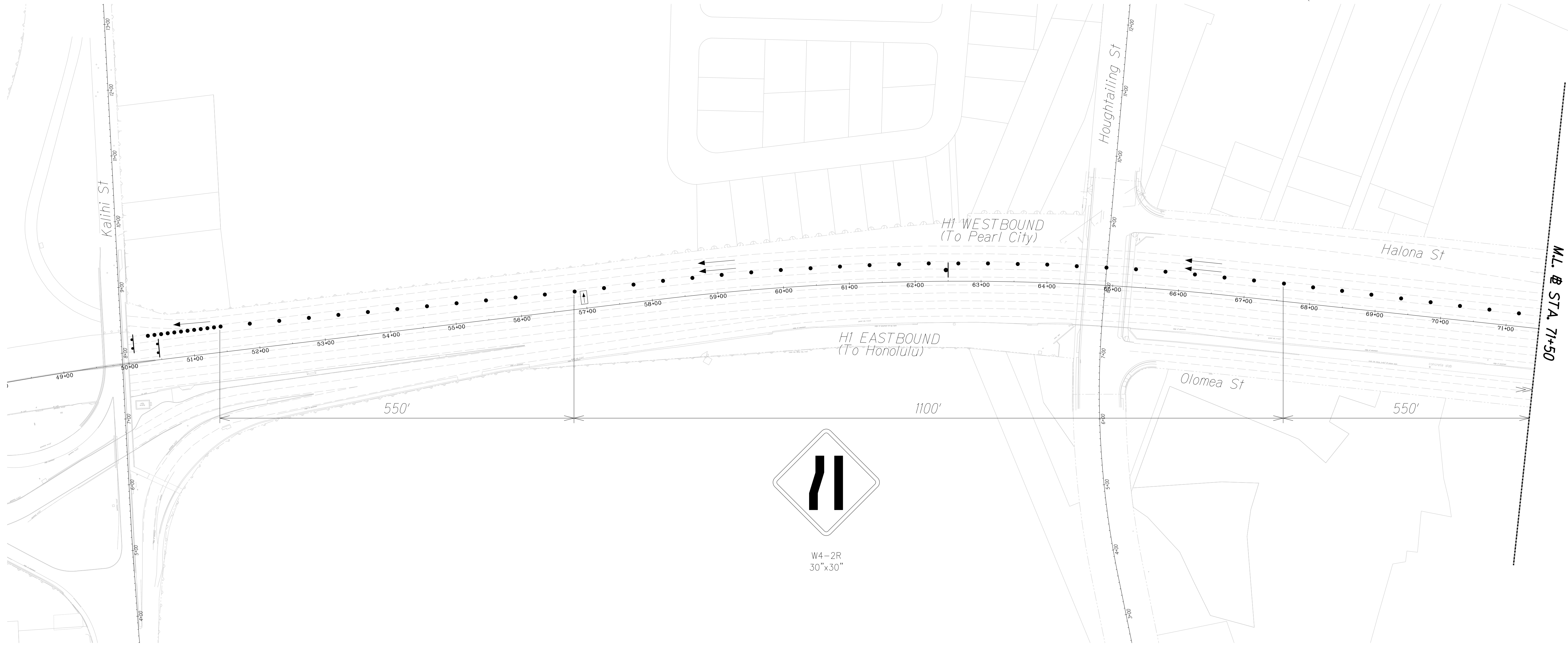
LEGEND

- Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- Arrow Board Assembly

NOTES

1. See DT0.02 for Detour Plans.

PLAN
Scale: 1" = 80'



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Jason Y. Kage
JACOB ENGINEERING GROUP, INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
H1 WESTBOUND CLOSURE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 80' Date: Dec 2022

SHEET No. *TC1.07* OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-112801	2023	204	466

DRAWING NAME: 419596_TempDetourTrafficControl-02.dgn
PLOT TIME: 27-FEB-2023 11:14

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
QUANTITIES BY	TRACED BY	
CHECKED BY	DESIGNED BY	
No.		

LEGEND

- Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- Arrow Board Assembly

NOTES

1. See DT0.02 for Detour Plans.

PLAN
Scale: 1" = 80'

EMS 1

H1 WB
CLOSED
AHEAD

Phase 1

DETOUR
USE
KALIHI

Phase 2

JASON Y. KAGE

LICENSED
PROFESSIONAL
ENGINEER
No. 9930-C

HAWAII U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER
MY SUPERVISION AND CONSTRUCTION OF THIS
PROJECT WILL BE UNDER MY OBSERVATION.
(OBSERVATION OF CONSTRUCTION) SHALL BE
AS DEFINED IN CHAPTER 115, RULES OF THE
BOARD OF PROFESSIONAL ENGINEERS,
ARCHITECTS AND SURVEYORS, STATE OF HAWAII,
SUBCHAPTER 1, SECTION 16-115-2, DEFINITIONS)

Jason Y. Kage

JACOB ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

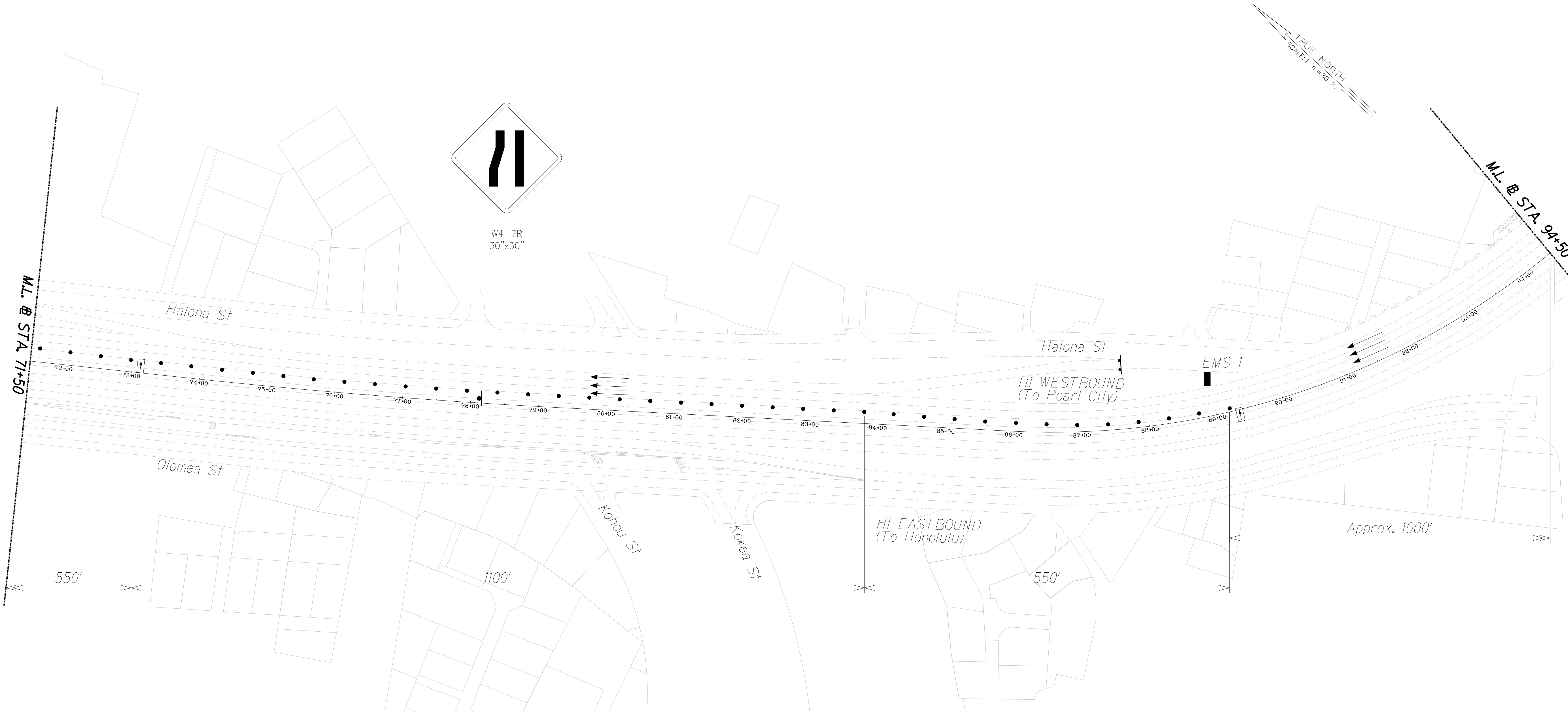
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
H1 WESTBOUND CLOSURE

INTERSTATE ROUTE H1 (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-112801

Scale: 1" = 80' Date: Dec 2022

SHEET No. TC1.08 OF 9 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	205	466

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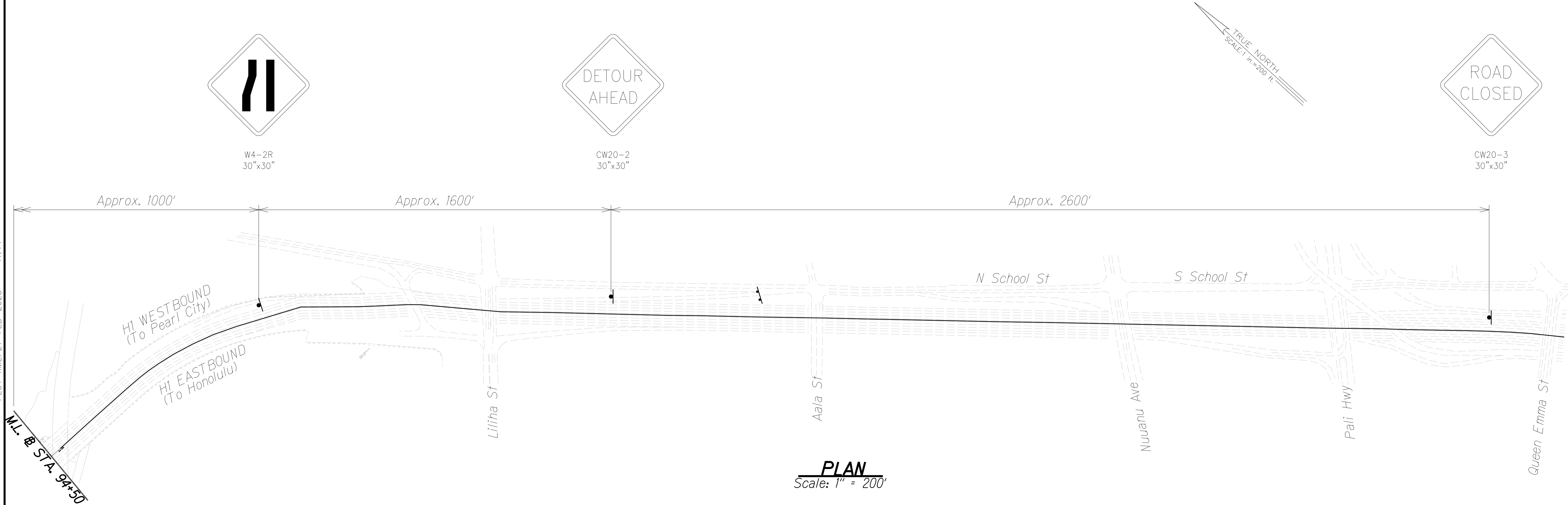
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
NO.	TRACED BY	
	DESIGNED BY	
	CHECKED BY	

LEGEND

- Type III barricade w/ "Road Closed" sign (R11-2)
- Electronic message sign (EMS)
- Direction of Travel
- Temporary construction sign w/ post
- Traffic Delineators
- Arrow Board Assembly

NOTES

1. See DT0.02 for Detour Plans.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

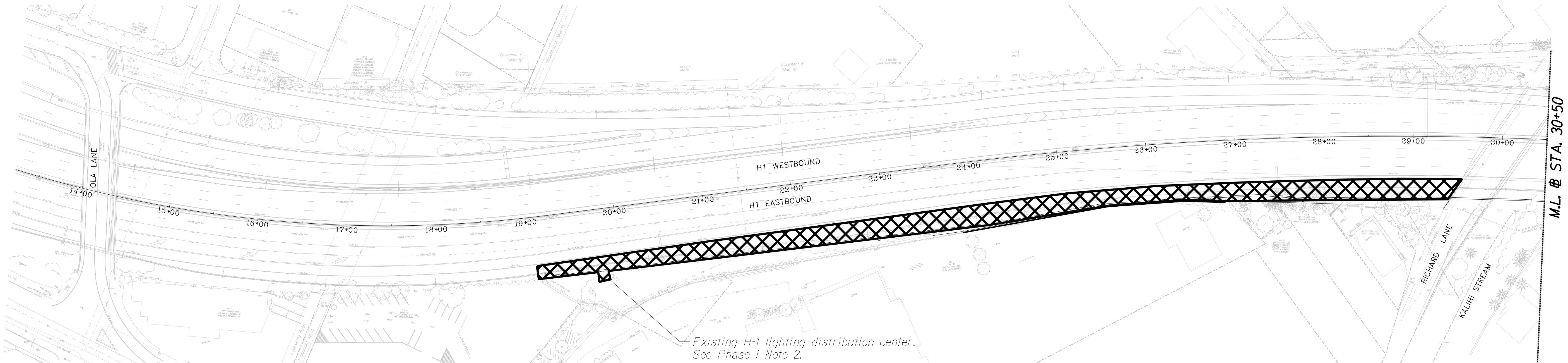
TRAFFIC CONTROL PLAN
HI WESTBOUND CLOSURE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likeli Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 200' Date: Dec 2022

SHEET No. TC1.09 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	206	466



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 PH1.01 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.

TRAFFIC CONTROL PHASE 1 NOTES

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

PHASE 1: H-1 EB WIDENING PLAN

Scale: 1" = 60'

PHASE 1 NOTES

- Close shoulders. See General Note 7.
- Construct new lighting distribution center ductline and wiring to re-energize existing highway lighting system before de-energizing this distribution center.
- 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.
- Provide temporary highway lighting system where Phase 1 construction impacts with existing highway lighting system. Power to the balance of the highway lighting system shall be maintained.

LEGEND



Constructed this phase



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JACOB ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

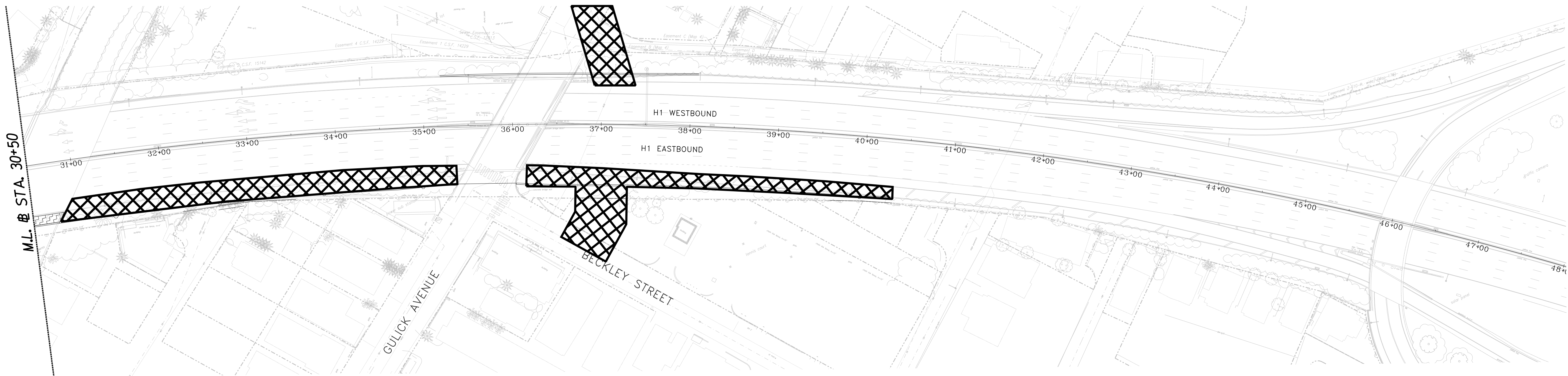
CONSTRUCTION STAGING PLAN
PHASE 1

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 60' Date: Dec 2022

SHEET No. PH0.01 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	207	466



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

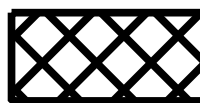
TRAFFIC CONTROL PHASE 1 NOTES

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 on Sheet PH0.01.
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. Coordinate with HECO and HECO to temporarily brace poles to remove anchors.
6. Install drainage structures along H-1 (except in the vicinity of Gulick Avenue Bridge).
7. Construct new retaining walls.
8. Widen roadway pavement.
9. Install new cantilever sign structures.
10. Install new 36" waterline on both sides of H1 Freeway.
11. For Beckley waterline 36" valve and vault see phasing plan WT0.11.

LEGEND



Constructed this phase

APPROVED: _____ DATE _____
MANAGER AND CHIEF ENGINEER, BWS
(FOR WORK AFFECTING BWS FACILITIES
STATE R/W & BWS EASEMENTS ONLY)

APPROVED: _____ DATE _____
CHIEF, CIVIL ENGINEER BRANCH, DPP



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JACOBS ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION STAGING PLAN
PHASE 1
INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)
Scale: 1" = 60' Date: Dec 2022
SHEET No. PH0.02 OF 8 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No. _____	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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PLOT TIME: 27-FEB-2023 11:15

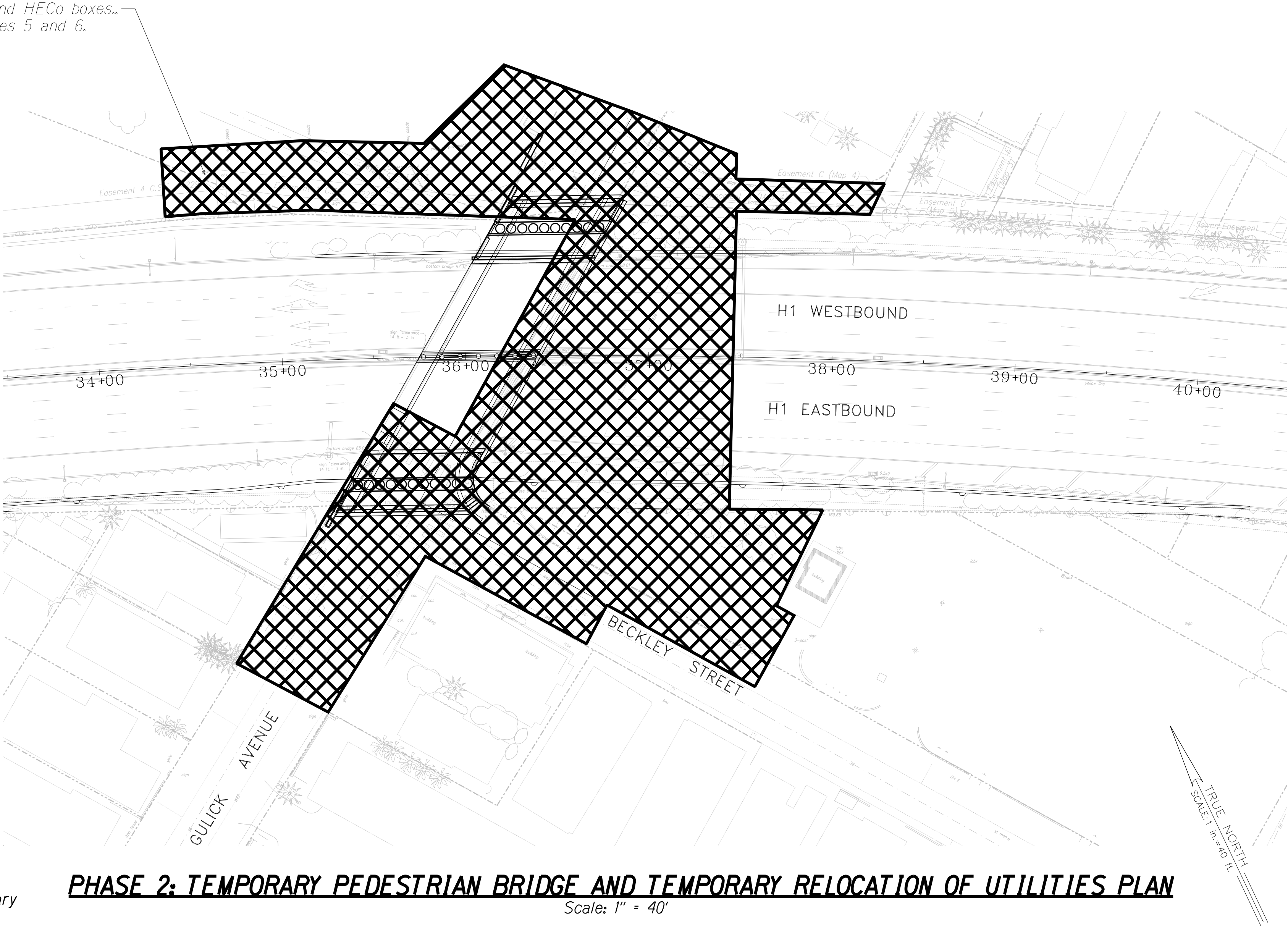
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-K280	2023	208	466

TRAFFIC CONTROL PHASE 2 NOTES

- Traffic is maintained on H-1 during peak and non-peak hours (See Sheet PH1.01 Note 3 for information on peak hours and non-peak hours on H-1), except for the night closures on Sheet PH1.01 Note 3.
- Maintain pedestrian access across Gulick Avenue overpass during Phase 2 work.
- 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.
- 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.
- Temporary traffic signal shall be installed prior to shifting any lanes at Gulick Avenue and Beckley Street intersection.
- Partial closure of Kalihi-Waena Neighborhood Park required during Phase 2 work.
- One lane closure of Beckley Street in westbound direction allowed during Phase 2 work.

PHASE 2 NOTES

- Phase 2 includes both Phase 2a and 2b. See Phasing Schedule on Sheet PH0.01.
- Close Diamond Head Side of Gulick Avenue as needed. Install Traffic Control.
- Install temporary pedestrian bridge and temporary lighting. Submit service request to HE for temporary lighting system. Provide required service equipment, obtain required permit and pay for electricity during construction. Remove service equipment and terminate service under appropriate construction phase.
- Relocate HTCo from Gulick Bridge to temporary pedestrian bridge.
- 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.
- Relocate City Traffic Signal Fiber aerial line from Gulick Ave Bridge to temporary pedestrian bridge.
- Temporarily relocate 2" Gas.
- Relocate the 8" Sewer on Mauka Side of Gulick Bridge.
- Construct pedestrian connections to temporary pedestrian bridge.
- Install new 12" waterline along Beckley Street.
- Inspect expansion joints on Kalihi Stream Bridge.



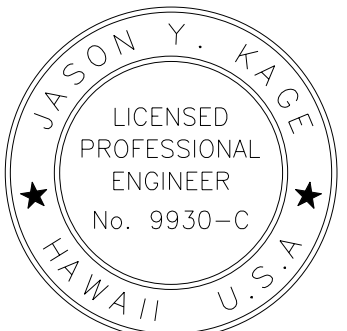
PHASE 2: TEMPORARY PEDESTRIAN BRIDGE AND TEMPORARY RELOCATION OF UTILITIES PLAN

LEGEND

Constructed this phase

APPROVED: _____ DATE _____
MANAGER AND CHIEF ENGINEER, BWS
(FOR WORK AFFECTING BWS FACILITIES
STATE R/W & BWS EASEMENTS ONLY)

APPROVED: _____ DATE _____
CHIEF, CIVIL ENGINEER BRANCH, DPP



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Jason Y. Kage
JACOB'S ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION STAGING PLAN
PHASE 2

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-K(280)

Scale: 1" = 40' Date: Dec 2022

SHEET No. PH0.03 OF 8 SHEETS

SURVEY PLOTTED BY _____	DATE _____
DRAWN BY _____	
TRACED BY _____	
DESIGNED BY _____	
QUANTITIES BY _____	
CHECKED BY _____	
ORIGINAL PLAN	
NOTE BOOK	
No. _____	

DRAWING NAME: 419596_ConstStaging-03.dgn

PLOT TIME: 27-FEB-2023 11:15

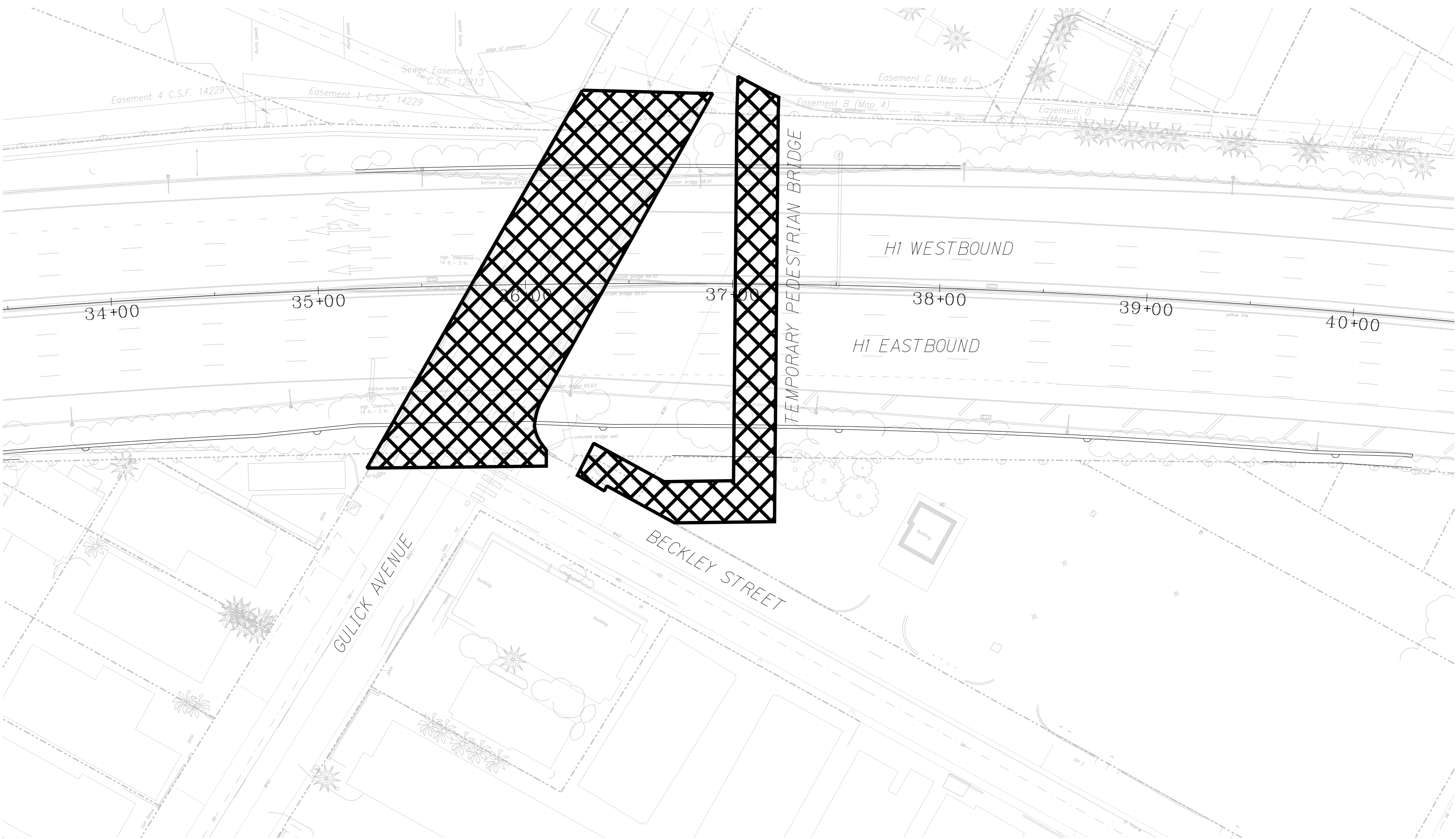
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-K280)	2023	209	466

TRAFFIC CONTROL PHASE 3 NOTES

1. Traffic is maintained on H-1 during peak and non-peak hours (See Sheet PH1.01 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 Sheet PH0.01 Note 3 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. Coordinate with HECO and HTCO to temporarily brace poles to remove anchors.
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.
13. Shut off 6" and 12" Water on both sides of Gulick Bridge after temporary 8" waterline is installed.
14. Install new 12" waterline along Gulick Avenue.
15. Install expansion joints on Kalihi Stream Bridge.



PHASE 3: GULICK BRIDGE PLAN
Scale: 1" = 40'

LEGEND

 Constructed this phase

APPROVED: _____ DATE _____
MANAGER AND CHIEF ENGINEER, BWS
(FOR WORK AFFECTING BWS FACILITIES
STATE R/W & BWS EASEMENTS ONLY)

APPROVED: _____ DATE _____
CHIEF, CIVIL ENGINEER BRANCH, DPP



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JASON Y. KAGE
JACOBS ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION STAGING PLAN
PHASE 3
INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-K(280)
Scale: 1" = 40' Date: Dec 2022
SHEET No. PH0.04 OF 8 SHEETS

SURVEY PLOTTED BY _____	DATE _____
DRAWN BY _____	_____
TRACED BY _____	_____
DESIGNED BY _____	_____
QUANTITIES BY _____	_____
CHECKED BY _____	_____
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NOTE BOOK	_____

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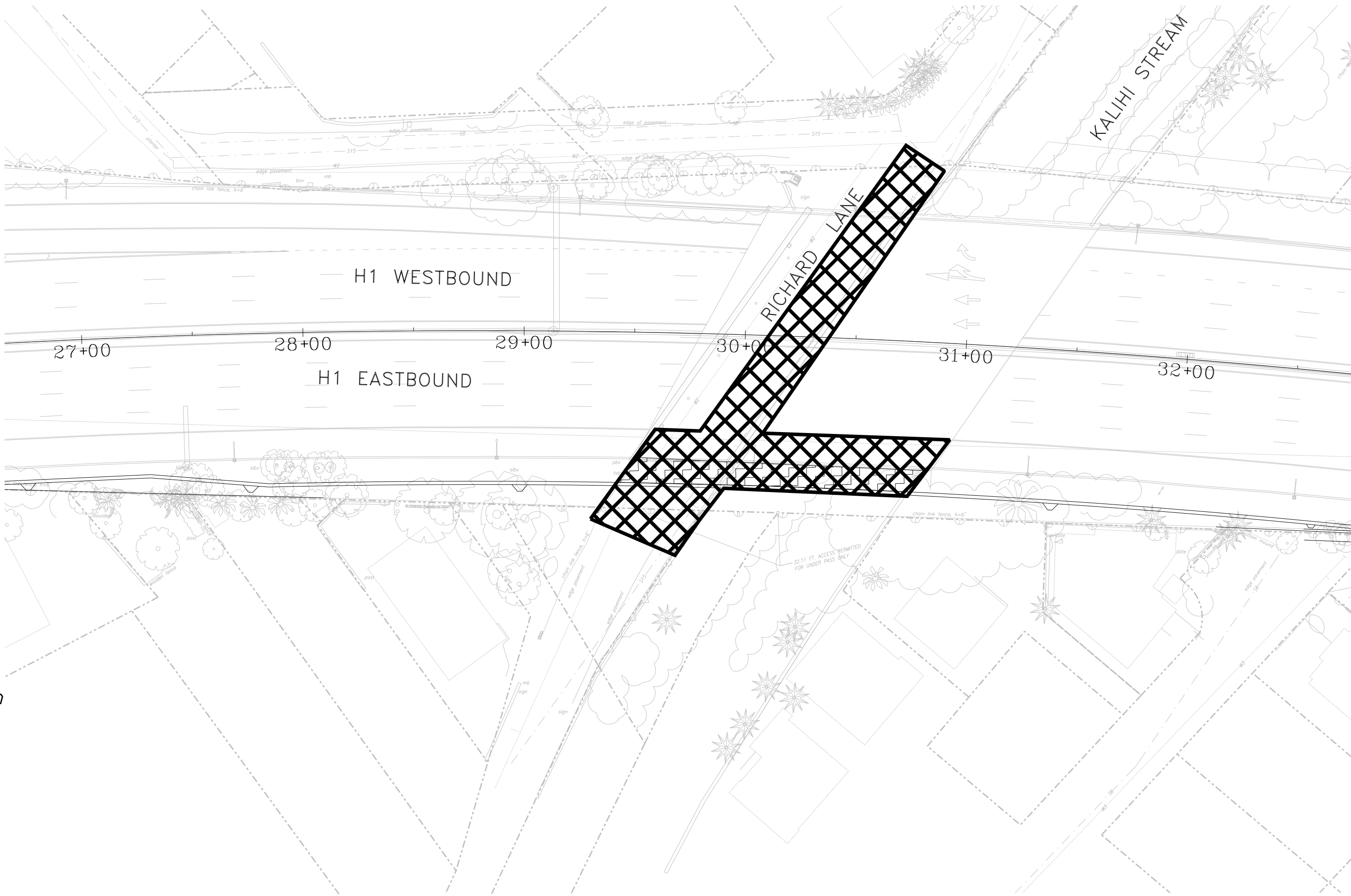
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	210	466

TRAFFIC CONTROL PHASE 4 NOTES

1. Traffic is maintained on H-1 during peak and non-peak hours (See Sheet PH1.01 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 Sheet PH0.01 Note 3 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.
7. Conduits and wiring for power to the existing highway lighting system on the mauka (north) side of H-1 are routed on the Kalihi Stream Bridge. Provide temporary work as need to maintain power to the highway lighting system.
8. Vertical clearance of the Richard Lane overpass will be temporarily reduced approximately 10" for three weeks during construction. Coordination with City and County of Honolulu Department of Environmental Services Refuse Division shall be performed prior to reduction in vertical clearance to ensure no disruption in refuse service.



PHASE 4: KALIHI STREAM BRIDGE PLAN

Scale: 1" = 40'

LEGEND

 Constructed this phase

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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Jason Y. Kage
JACOB'S ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

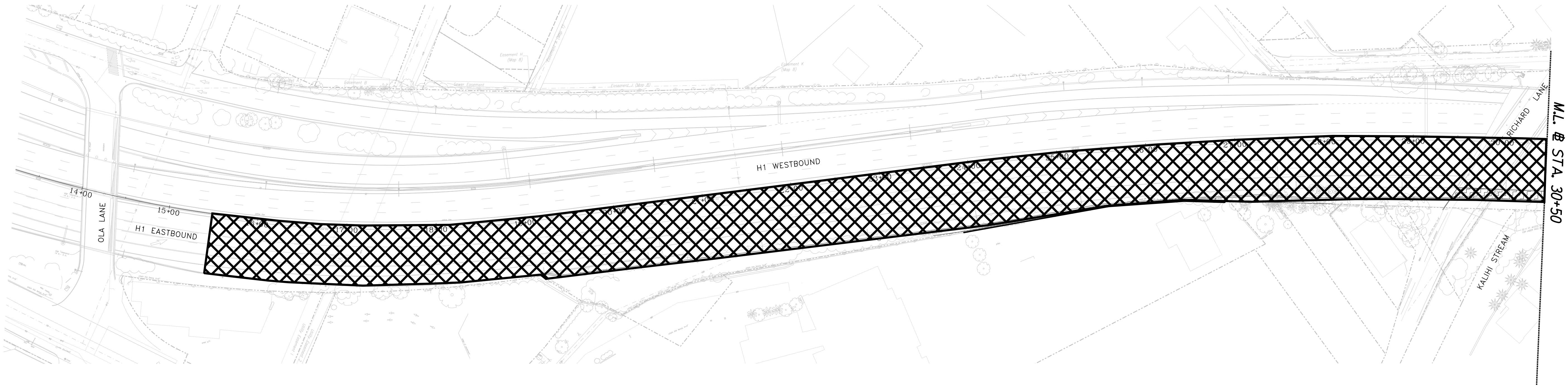
CONSTRUCTION STAGING PLAN
PHASE 4

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 40' Date: Dec 2022

SHEET No. PH0.05 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	211	466



TRAFFIC CONTROL PHASE 5 NOTES

1. Traffic is maintained on H-1 during peak and non-peak hours. See Sheet PH1.01 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 Sheet PH0.01 Note 3 for allowable closure times.

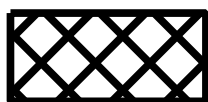
PHASE 5 NOTES

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.

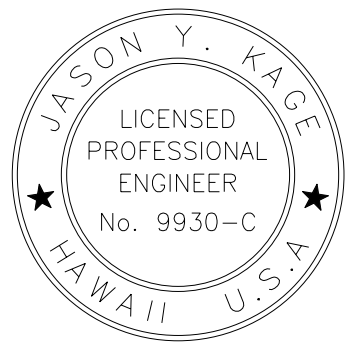
PHASE 5: H-1 EB FINAL PAVING AND STRIPING PLAN

Scale: 1" = 60'

LEGEND

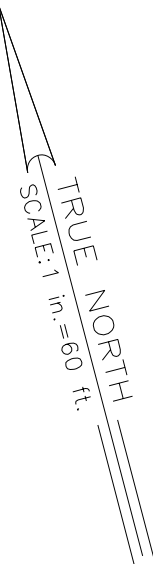


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Jason Y. Kage
JACOB ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION STAGING PLAN
PHASE 5
INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)
Scale: 1" = 60' Date: Dec 2022
SHEET No. PH0.06 OF 8 SHEETS

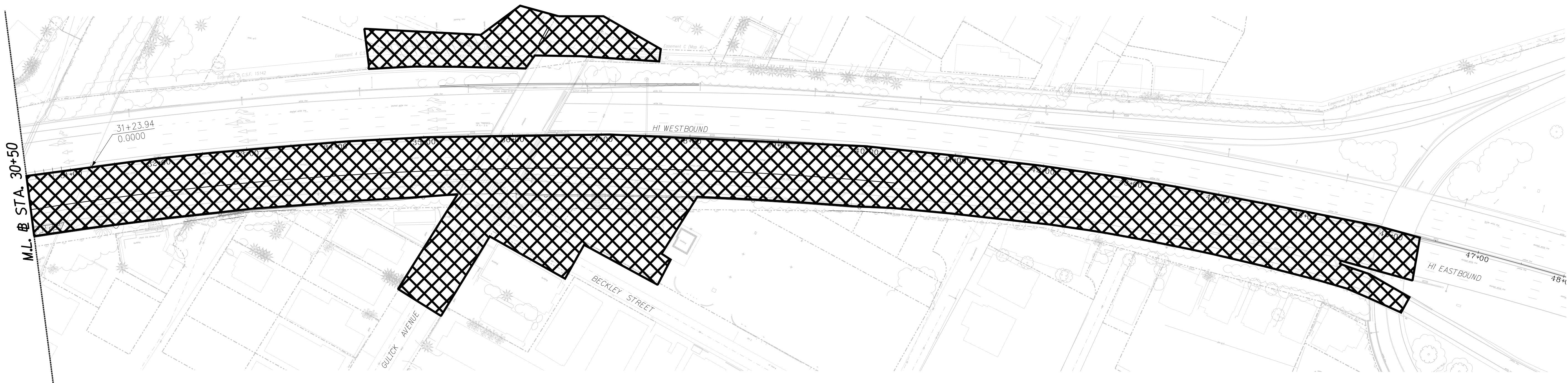


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HAWAII	HAW.	NH-HI-1(280)	2023	212	466



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 PH1.01 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 Sheet PH0.01 Note 3 for allowable closure times.

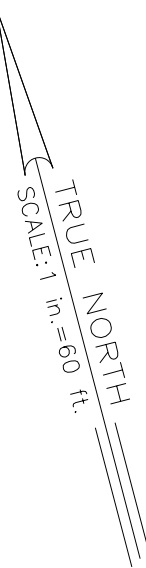
PHASE 5 NOTES

1. Pav 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



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Jason Y. Kage
JACOB'S ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION STAGING PLAN
PHASE 5

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: 1" = 60' Date: Dec 2022

SHEET No. PH0.07 OF 8 SHEETS

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	213	466

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)			H-1 EB Shoulder	Figure 1
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 H-1 Eastbound Closure H-1 Westbound Closure
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 through 9. H-1 center pier work.		Gulick Avenue (1 lane closure during non- peak and nighttime hours with police officer)	H-1 EB Lane Closure (up to 2 lanes) H-1 WB Lane Closure (up to 2 lanes)	Figure 2, 3, 4 & 5
3B	Gulick Bridge Plan	Construct bridge work per Gulick Avenue Bridge Construction Sequence, Steps 10 through 23.	Gulick Bridge Full Closure Pedestrian Bridge			
3C	Gulick Bridge Plan	Remove existing bridge abutments and wingwalls per Gulick Avenue Bridge Construction Sequence, Step 24.	Gulick Bridge Full Closure Pedestrian Bridge		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 25 through 42. Install drainage infrastructure and H-1 roadway pavement under bridge. Install Westbound barrier wall.	Gulick Bridge Full Closure Pedestrian 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.	H-1 EB Closure H-1 WB Closure	Gulick Avenue (1 lane closure during non-peak and nighttime hours with police officer)	H-1 EB Full Closure H-1 WB Full Closure	H-1 Eastbound Closure H-1 Westbound Closure
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 14.		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 (Eastbound and Westbound)

	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.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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JACOB ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION STAGING PLAN
PHASING SCHEDULE

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-1(280)

Scale: No Scale Date: Dec 2022

SHEET No. *PHI.01* OF 8 SHEETS