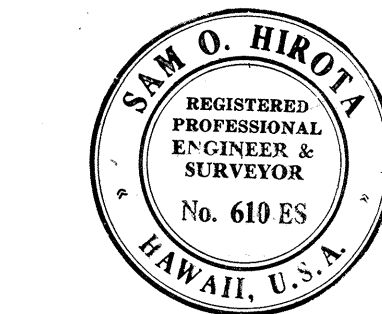
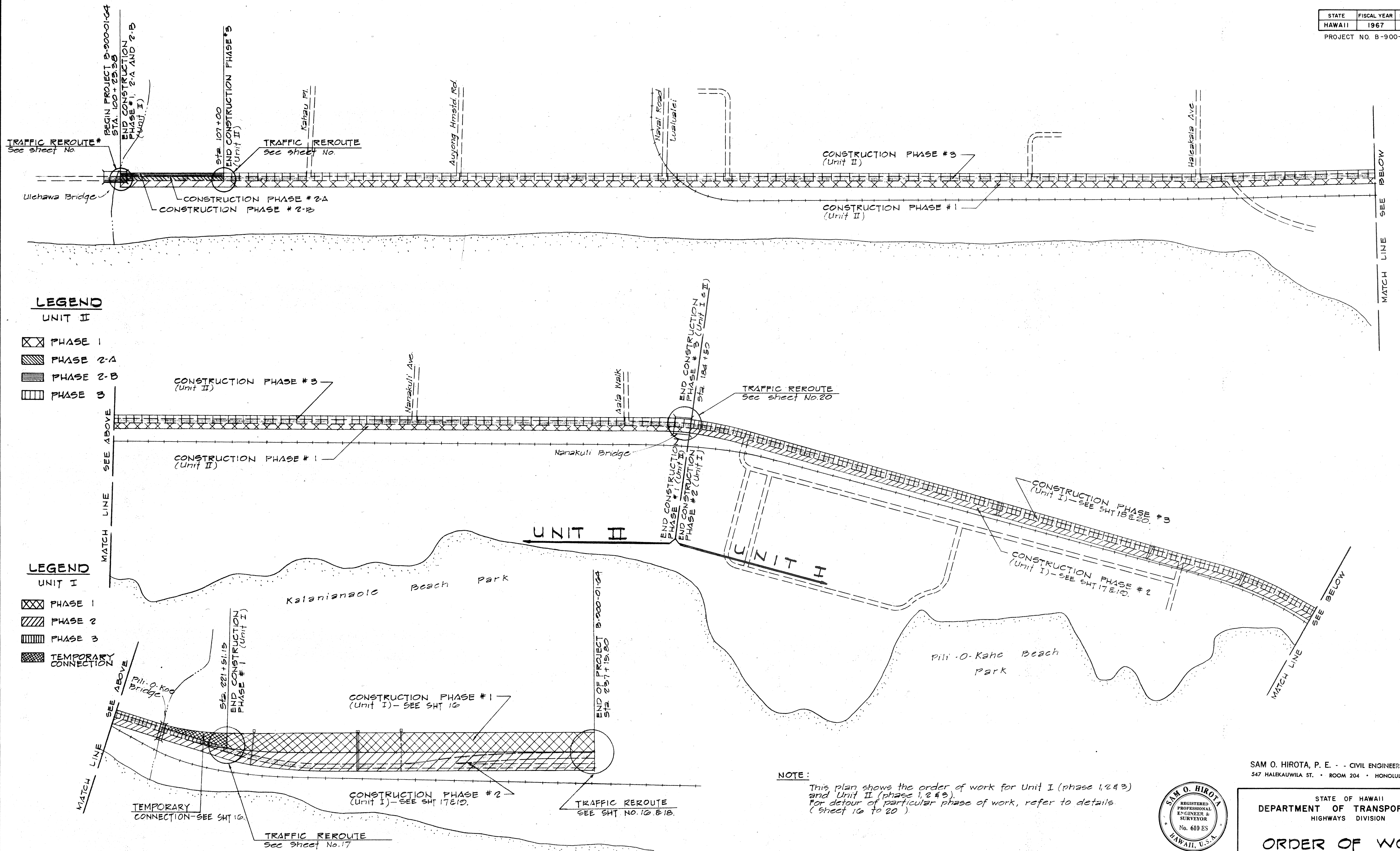




THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Sam O. Hirota, P.E.

SAM O. HIROTA, P. E. - CIVIL ENGINEERS & SURVEYORS
547 HALEKAUWILA ST. • ROOM 204 • HONOLULU, HAWAII 96813

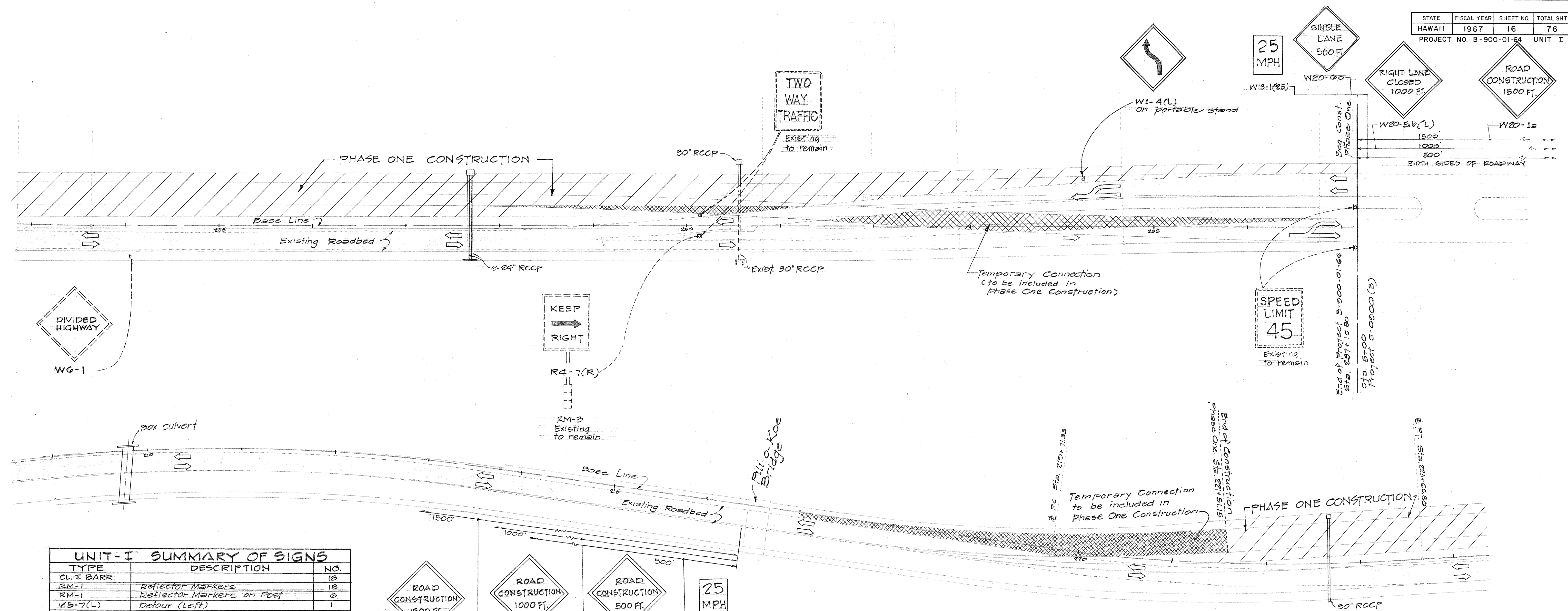
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ORDER OF WORK

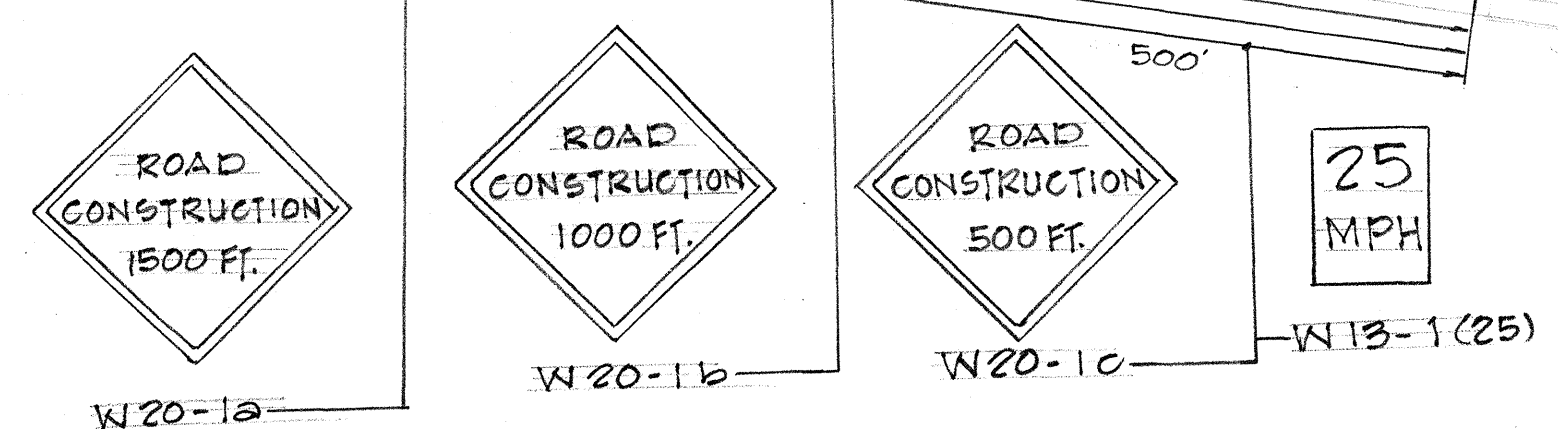
FARRINGTON HIGHWAY WIDENING
PROJECT B-900-01-64
UNIT I

SCALE: Not to scale

SHEET No. 1 OF 6 SHEETS



UNIT-I SUMMARY OF SIGNS		
TYPE	DESCRIPTION	NO.
CL II BARR.	Reflector Markers	18
RM-1	Reflector Markers on Post	18
MS-7(L)	Detour (Left)	1
W1-4(L)	Lane Use Control Sign (Left)	1
W1-4(R)	Lane Use Control Sign (Right)	2
W13-1(25)	25 MPH	3
W20-1a	Road Construction 1500 Ft.	3
W20-1b	Road Construction 1000 Ft.	1
W20-1c	Road Construction 500 Ft.	1
W20-1d	Road Construction Ahead	1
W20-2a	Detour 1500 Ft.	1
W20-2b	Detour 1000 Ft.	1
W20-2c	Detour 500 Ft.	1
W20-5b(L)	Right Lane Closed 1000 Ft.	2
W20-6c	Single Lane 500 Ft.	2



NOTES:

- Construct Phase One, then Phase Two, and then Phase Three.
- These plans are intended to show what Traffic Reroute plan must be used during any particular phase of construction. The Contractor may combine as many phases of construction with a similar reroute plan as he may deem necessary.
- The Contractor may alter the reroute plans to suit his equipment and men subject to the approval of the Engineer.
- All signs are to be reused during construction wherever possible as directed by the Engineer.
- Barricades as shown on the plans are intended as a guide only, and the exact type, number and location of barricades shall be as directed by the Engineer.
- Barricades shall conform to Part V of the Manual on Uniform Traffic Control Devices for Streets and Highways.
- Rental (including installation and maintenance) of barricades, blinkers and amber beacons will be paid under item 117 Barricades.
- Temporary paved crossovers shall be constructed by the Contractor and will be paid for under item 125.01: Construction and Maintenance of Detours. Temporary paved crossovers shall be removed by the Contractor and will be paid for under item 13: Roadway Excavation. Any necessary backfilling shall be considered incidental to roadway excavation. For Typical Section of Temporary Pavement, see this sheet.

CONSTRUCTION PHASING OF PILI-O-KOE BRIDGE

PHASE I:

- Construct portion of new bridge makai of existing bridge.
- Use existing bridge for vehicular traffic.

PHASE II:

- Demolish existing bridge parapets.
- Reroute vehicular traffic to makai portion completed in Phase I.
- Provide barricades at edge of makai portion to delineate edge of 20-foot wide temporary travelled way.
- Re-pave existing bridge.
- Construct portion of new bridge immediately mauka of existing bridge.

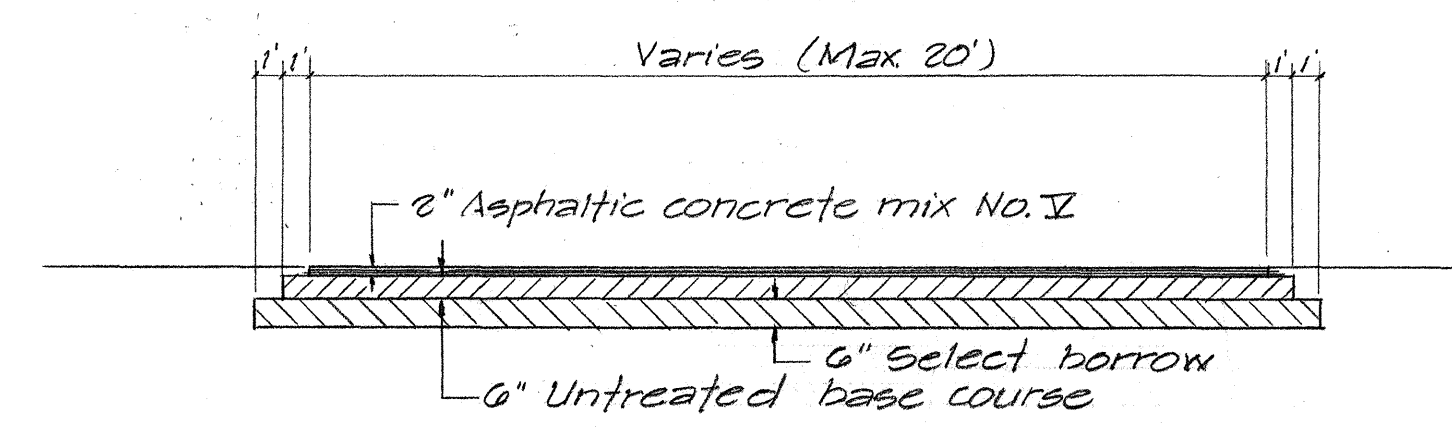
CONSTRUCTION PHASING OF BOX CULVERTS

PHASE I

- Construct makai portion of new culvert (approximately 25 feet)
- Use existing pavement for vehicular traffic.

PHASE II

- Re-route vehicular traffic to makai portion completed in Phase I.
- Provide barricades on completed portion of culvert to delineate a min. 20-foot wide temporary roadway.
- Construct remaining portion of new culvert.



TYPICAL SECTION
TEMPORARY CONNECTION

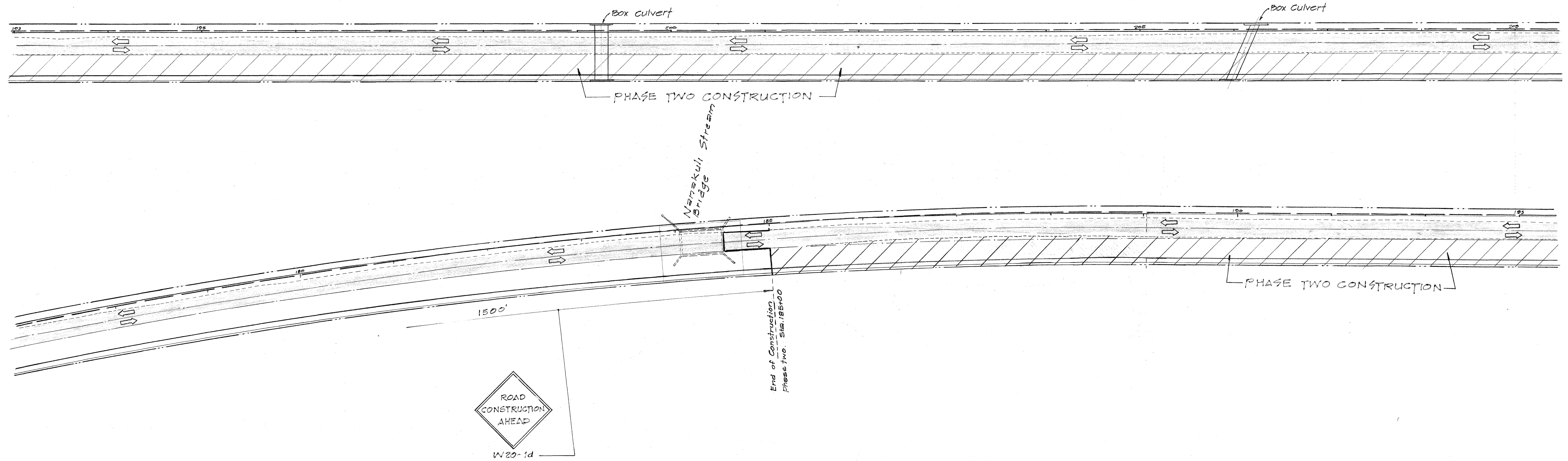
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ORDER OF WORK AND DETOURS

UNIT I
FARRINGTON HIGHWAY WIDENING
PROJECT B-900-01-64
UNIT I

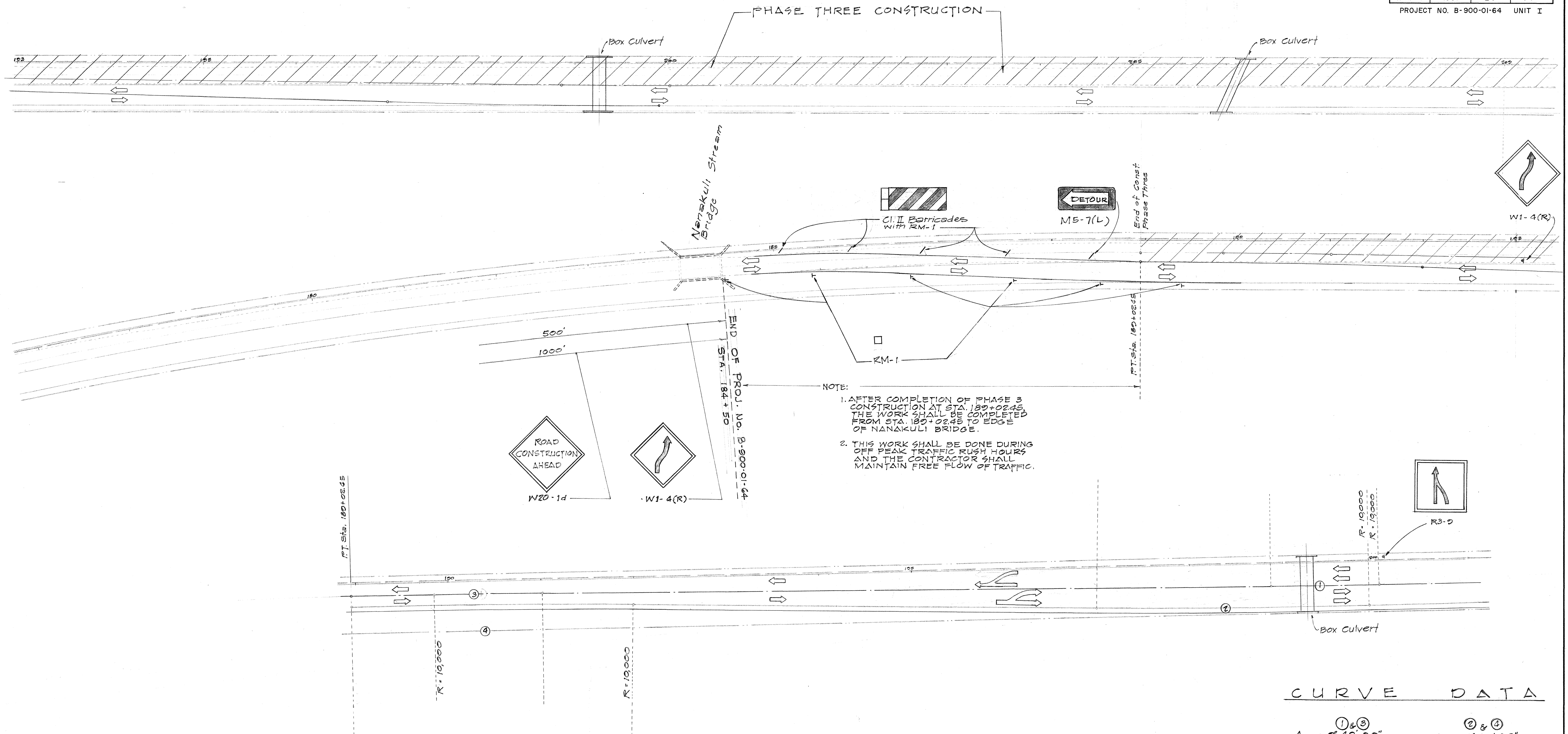
SCALE: 1" = 50'

SHEET No. 2 OF 6 SHEETS



STATE	FISCAL YEAR	SHEET NO.	TOTAL SHTS.
HAWAII	1967	20	76

PROJECT NO. B-900-01-64 UNIT I



TRANSITION FROM 4 LANES TO 2 LANES

NOTE:

AFTER COMPLETION OF CONSTRUCTION OF PHASE THREE, STRIPE PAVEMENT FOR TRANSITION FROM 4 LANES TO 2 LANES AS SHOWN ABOVE. STRIPING TO BE DONE BY STATE FORCES

CURVE DATA

① & ③	② & ④
$\Delta = 0^{\circ} 40' 00''$	$\Delta = 1^{\circ} 40' 38''$
$\Delta/2 = 0^{\circ} 20' 00''$	$\Delta/2 = 0^{\circ} 50' 19''$
$R = 10,000.00'$	$R = 10,000.00'$
$T = 58.18'$	$T = 146.38'$
$Ch = 116.35'$	$Ch = 292.72'$
$Lc = 116.36'$	$Lc = 292.73'$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ORDER OF WORK
AND DETOURS
UNIT I
FARRINGTON HIGHWAY WIDENING
PROJECT B-900-01-64
UNIT I
SCALE: 1" = 50'

SHEET No. 6 OF 6 SHEETS