
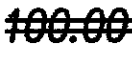


OVERALL INDEX

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	2	380

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
T-1	TITLE	C1.19	WESTBOUND BYPASS TYPICAL SECTIONS - 3	C2.25	WESTBOUND BYPASS PLAN AND PROFILE - 2
		C1.18	WESTBOUND BYPASS TYPICAL SECTIONS - 2	C2.26	WESTBOUND BYPASS PLAN AND PROFILE - 3
C0.1	SHEET INDEX - 1	C1.20	WESTBOUND BYPASS TYPICAL SECTIONS - 4	C2.27	WESTBOUND BYPASS PLAN AND PROFILE - 4
C0.2	SHEET INDEX - 2	C1.21	WESTBOUND BYPASS TYPICAL SECTIONS - 5	C2.28	EASTBOUND BYPASS PLAN AND PROFILE - 1
C0.3	SHEET INDEX - 3	C1.22	EASTBOUND BYPASS TYPICAL SECTIONS - 1	C2.29	EASTBOUND BYPASS PLAN AND PROFILE - 2
C0.4	SHEET INDEX - 4	C1.23	EASTBOUND BYPASS TYPICAL SECTIONS - 2	C2.30	EASTBOUND BYPASS PLAN AND PROFILE - 3
C0.5	SHEET INDEX - 5	C1.24	EASTBOUND BYPASS TYPICAL SECTIONS - 3	C2.31	H-1 FREEWAY TYPICAL SECTIONS
C0.6	STANDARD PLANS SUMMARY	C1.25	H-1 FREEWAY TYPICAL SECTIONS	C2.32	SUPERELEVATION DIAGRAM - RAMPS A & B
C0.7	LEGEND AND ABBREVIATIONS	C1.26	INTERCHANGE RAMPS C1 & D1 TYPICAL SECTIONS	C2.33	SUPERELEVATION DIAGRAM - RAMPS C & D
C0.8	CONSTRUCTION NOTES - 1	C1.27	TYPICAL SECTION DETAILS	C2.34	SUPERELEVATION DIAGRAM - WESTBOUND BYPASS
C0.9	CONSTRUCTION NOTES - 2			C2.35	SUPERELEVATION DIAGRAM - EASTBOUND BYPASS
C0.10	CONSTRUCTION NOTES - 3	C2.1	ROADWAY KEY PLAN		
C0.11	CONSTRUCTION NOTES - 4	C2.2	INTERCHANGE PLAN - 1	C3.1	ROADWAY GRADING & DRAINAGE PLAN & PROFILE - 1
C0.12	CONSTRUCTION NOTES - 5	C2.3	INTERCHANGE PLAN - 2	C3.2	ROADWAY GRADING & DRAINAGE PLAN & PROFILE - 2
C0.12S-1	CONSTRUCTION NOTES - 6	C2.4	H-1 FREEWAY BYPASS PLAN - 1	C3.3	ROADWAY GRADING & DRAINAGE PLAN & PROFILE - 3
C0.12S-2	CONSTRUCTION NOTES - 7	C2.5	H-1 FREEWAY BYPASS PLAN - 2	C3.3A	H1 INTERCHANGE GRADING RAMP A DRAINAGE
C0.13	GENERAL PLAN	C2.6	ROADWAY PLAN - 1	C3.4	BYPASS GRADING & DRAINAGE PLAN - 1
		C2.7	ROADWAY PLAN - 2	C3.5	BYPASS GRADING & DRAINAGE PLAN - 2
C1.1	ROADWAY TYPICAL SECTIONS - 1	C2.8	ROADWAY PLAN - 3	C3.6	BYPASS GRADING & DRAINAGE PLAN - 3
C1.2	ROADWAY TYPICAL SECTIONS - 2	C2.9	MAKAI INTERCHANGE INTERSECTION PLAN	C3.7	BYPASS GRADING & DRAINAGE PLAN - 4
C1.3	ROADWAY TYPICAL SECTIONS - 3	C2.10	MAUKA INTERCHANGE INTERSECTION PLAN	C3.8	BYPASS GRADING & DRAINAGE PLAN - 5
C1.4	INTERCHANGE RAMP A TYPICAL SECTIONS - 1	C2.11	PALEHUA ROAD CONNECTOR PLAN AND PROFILE	C3.9	BYPASS GRADING & DRAINAGE PLAN - 6
C1.5	INTERCHANGE RAMP A TYPICAL SECTIONS - 2	C2.12	RAMPS A & B PLAN AND PROFILE - 1	C3.10	H-1 INTERCHANGE GRADING & DRAINAGE PLAN - 1
C1.6	INTERCHANGE RAMP A TYPICAL SECTIONS - 3	C2.13	RAMPS A & B PLAN AND PROFILE - 2	C3.11	H-1 INTERCHANGE GRADING & DRAINAGE PLAN - 2
C1.7	INTERCHANGE RAMP A TYPICAL SECTIONS - 4	C2.14	RAMPS A & B PLAN AND PROFILE - 3	C3.12	H-1 INTERCHANGE GRADING & DRAINAGE PLAN - 3
C1.8	INTERCHANGE RAMP B TYPICAL SECTIONS - 1	C2.15	RAMPS A & B PLAN AND PROFILE - 4	C3.13	H-1 INTERCHANGE GRADING & DRAINAGE PLAN - 4
C1.9	INTERCHANGE RAMP B TYPICAL SECTIONS - 2	C2.16	RAMPS A & B PLAN AND PROFILE - 5	C3.14	H-1 INTERCHANGE GRADING & DRAINAGE PLAN - 5
C1.10	INTERCHANGE RAMP B TYPICAL SECTIONS - 3	C2.17	RAMPS C & D PLAN AND PROFILE - 1	C3.14A	INTERCHANGE GRADING ALONG RAMP D
C1.11	INTERCHANGE RAMP C TYPICAL SECTIONS - 1	C2.18	RAMPS C & D PLAN AND PROFILE - 2		
C1.12	INTERCHANGE RAMP C TYPICAL SECTIONS - 2	C2.19	RAMPS C & D PLAN AND PROFILE - 3		
C1.13	INTERCHANGE RAMP C TYPICAL SECTIONS - 3	C2.20	RAMPS C & D PLAN AND PROFILE - 4		
C1.14	INTERCHANGE RAMP D TYPICAL SECTIONS - 1	C2.21	RAMPS C & D PLAN AND PROFILE - 5		
C1.15	INTERCHANGE RAMP D TYPICAL SECTIONS - 2	C2.22	RAMP C1 PLAN AND PROFILE		
C1.16	INTERCHANGE RAMP D TYPICAL SECTIONS - 3	C2.23	RAMP D1 PLAN AND PROFILE		
C1.17	WESTBOUND BYPASS TYPICAL SECTIONS - 1	C2.24	WESTBOUND BYPASS PLAN AND PROFILE - 1		

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SIGNATURE April 30, 2008
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
SHEET INDEX - 1
North-South Road Phase 1C F.A.I. Proj. No. STP-8930(4)
Date: Feb 21, 2007
SHEET No. C0.1 OF 179 SHEETS

"AS-BUILT"

OVERALL INDEX

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	3	380

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
C3.15	H-1 INTERCHANGE GRADING & DRAINAGE PLAN - 6	C5.9	UNDERDRAIN DETAILS - 2	C8.2	H-1 FREEWAY PLAN
C3.16	RAMPS A INTERFACE GRADING PLAN (NOT SUBMITTED)			C8.3	H-1 FREEWAY PROFILE (AS-BUILT)
C3.17	RAMPS B INTERFACE GRADING PLAN (NOT SUBMITTED)	C6.1	ROADWAY SIGNING & STRIPING PLAN - 1	C8.4	24" DRAINLINE MODIFICATIONS PLAN AND PROFILE
C3.18	RAMPS C INTERFACE GRADING PLAN (NOT SUBMITTED)	C6.1A	INTERS. SIGNING & STRIPING PLAN - FARRINGTON HWY	C8.5	48" CULVERT MODIFICATIONS (MAUKA) PLAN AND PROFILE
C3.19	RAMPS D INTERFACE GRADING PLAN (NOT SUBMITTED)	C6.2	ROADWAY SIGNING & STRIPING PLAN - 2	C8.6	48" CULVERT MODIFICATIONS (MAKAI) PLAN AND PROFILE
C3.20	MAKAI INTERCHANGE INTERS. CURB RAMP GRADING PLANS	C6.3	ROADWAY SIGNING & STRIPING PLAN - 3	C8.7	EXISTING DOUBLE 12'X12' BOX CULVERT EXTENSION
C3.21	MAUKA INTERCHANGE INTERS. CURB RAMP GRADING PLANS	C6.4	ROADWAY SIGNING & STRIPING PLAN - 4	C8.8	EXISTING DOUBLE 12' X 12' BOX CULVERT - SECTIONS
C3.21A	MAUKA INTERCHANGE INTERS. CURB RAMP GRADING PLANS	C6.5	ROADWAY SIGNING & STRIPING PLAN - 5	C8.9	24" CULVERT EXTENSION ' STA. 230+01
C3.21B	MAUKA INTERCHANGE INTERS. CURB RAMP GRADING PLANS	C6.6	RAMPS A & B SIGNING & STRIPING PLAN - 1	C8.10	96" CULVERT EXTENSION ' STA. 191+79
C3.21C	RAMPS A1 & B1 PROFILES 7 TYPICAL SECTIONS	C6.7	RAMPS A & B SIGNING & STRIPING PLAN - 2	C8.11	DOUBLE 12' X 12' BOX CULVERT INLET GRADING
C3.22	DRAIN DETAILS - 1	C6.8	RAMPS A & B SIGNING & STRIPING PLAN - 3		
C3.23	DRAIN DETAILS - 2	C6.9	RAMPS A & B SIGNING & STRIPING PLAN - 4	C9.1	CONSTRUCTION PHASING PLAN - 1
C3.24	DRAIN DETAILS - 3	C6.10	RAMPS A & B SIGNING & STRIPING PLAN - 5	C9.2	CONSTRUCTION PHASING PLAN - 2
C3.25	DRAIN DETAILS - 4	C6.11	RAMPS C & D SIGNING & STRIPING PLAN - 1	C9.3	CONSTRUCTION PHASING PLAN - 3
C3.26	CROSSDRAIN PROFILES	C6.12	RAMPS C & D SIGNING & STRIPING PLAN - 2		
C3.27	DRAIN DETAILS - TEMPORARY (FOR BYPASS CONDITION)	C6.13	RAMPS C & D SIGNING & STRIPING PLAN - 3	C10.1	CONSTRUCTION PHASE 1 TRAFFIC CONTROL PLAN
		C6.14	RAMPS C & D SIGNING & STRIPING PLAN - 4	C10.2	CONSTRUCTION PHASE 2 TRAFFIC CONTROL PLAN - 1
C4.1	ROADWAY PAVEMENT JOINTING PLAN - 1	C6.15	RAMPS C & D SIGNING & STRIPING PLAN - 5	C10.3	CONSTRUCTION PHASE 2 TRAFFIC CONTROL PLAN - 2
C4.2	ROADWAY PAVEMENT JOINTING PLAN - 2	C6.16	DESTINATION SIGNS LOCATION PLAN	C10.4	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 1
C4.3	RAMP A PAVEMENT JOINTING PLAN	C6.17	WESTBOUND SIGNS PLANS AND ELEVATIONS	C10.5	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 2
C4.4	RAMP B PAVEMENT JOINTING PLAN	C6.18	EASTBOUND SIGNS PLANS AND ELEVATIONS	C10.6	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 3
C4.5	RAMP C PAVEMENT JOINTING PLAN	C6.19	DESTINATION SIGN DETAILS	C10.7	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 4
C4.6	RAMP D PAVEMENT JOINTING PLAN	C6.20	SIGNING & STRIPING DETAILS	C10.8	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 5
C4.7	PAVEMENT JOINTING DETAILS - 1	C6.21	SIGN SCHEDULES	C10.9	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 6
C4.8	PAVEMENT JOINTING DETAILS - 2	C6.22	SIGN SCHEDULES	C10.10	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 7
C4.9	PAVEMENT JOINTING DETAILS - 3			C10.11	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 8
		C7.1	MISCELLANEOUS DETAILS	C10.12	CONSTRUCTION PHASE 3 TRAFFIC CONTROL PLAN - 9
C5.1	ROADWAY UNDERDRAIN PLAN - 1	C7.2	SIDEWALK DETAILS	C10.13	CONSTRUCTION PHASE 4 TRAFFIC CONTROL PLAN - 1
C5.2	ROADWAY UNDERDRAIN PLAN - 2	C7.3	CURB RAMP DETAILS 1	C10.14	CONSTRUCTION PHASE 4 TRAFFIC CONTROL PLAN - 2
C5.3	ROADWAY UNDERDRAIN PLAN - 3	C7.4	CURB RAMP DETAILS 2		
C5.4	RAMPS A & B UNDERDRAIN PLAN - 1	C7.5	CURB RAMP DETAILS 3		
C5.5	RAMPS A & B UNDERDRAIN PLAN - 2	C7.6	CURB RAMP DETAILS 4		
C5.6	RAMPS C & D UNDERDRAIN PLAN - 1	C7.7	CURB RAMP DETAILS 5		
C5.7	RAMPS C & D UNDERDRAIN PLAN - 2				
C5.8	UNDERDRAIN DETAILS - 1	C8.1	H-1 FREEWAY DEMOLITION PLAN		

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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LEGEND FOR
AS-BUILT POSTINGS

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posting

GREG H. HIYAKUMOTO

LICENSED  
PROFESSIONAL  
ENGINEER

No. 6662-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR  
UNDER MY SUPERVISION.

Signature

APR 30, 2008

EXPIRATION DATE OF  
THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

SHEET INDEX - 2

North-South Road  
Phase 1C  
F.A.I. Proj. No. STP-8930(4)

Date: Feb 21, 2007

SHEET No. C0.2 OF 179 SHEETS

"AS-BUILT"

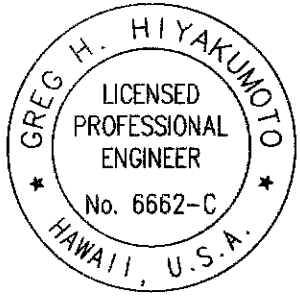
OVERALL INDEX

| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | STP-8930(4)           | 2007           | 4            | 380             |

| SHEET<br>NO. | DESCRIPTION                                    | SHEET<br>NO. | DESCRIPTION                  | SHEET<br>NO. | DESCRIPTION                                  |
|--------------|------------------------------------------------|--------------|------------------------------|--------------|----------------------------------------------|
| C11.1        | OVERALL DEMOLITION PLAN                        | G2.5         | BORING LOGS-5                | S3.1         | BRIDGE ELEVATION AND SECTION                 |
| C11.2        | AG. FACILITY DEMOLITION & RELOCATION PLAN - 1  | G2.6         | BORING LOGS-6                | S3.2         | OUTBOUND BRIDGE SECTION                      |
| C11.3        | AG. FACILITY DEMOLITION & RELOCATION PLAN - 2  | G2.7         | BORING LOGS-7                | S3.3         | INBOUND BRIDGE SECTION                       |
| C11.4        | AG. FACILITY DEMOLITION & RELOCATION PLAN - 3  | G2.8         | BORING LOGS-8                | S3.4         | TYPICAL DETAILS                              |
|              |                                                | G2.9         | BORING LOGS-9                | S3.5         | STRUCTURE EXCAVATION AND BACKFILL PAY LIMITS |
| C12.1        | EROSION CONTROL PLAN                           | G2.10        | BORING LOGS-10               |              |                                              |
| C12.2        | EROSION CONTROL DETAILS                        | G2.11        | BORING LOGS-11               | S4.1         | ABUTMENT ELEVATIONS                          |
|              |                                                | G2.12        | BORING LOGS-12               | S4.2         | NORTH BRIDGE ABUTMENT #1 ELEVATION           |
| C13.1        | GUARDRAIL DETAIL & NOTES                       | G2.13        | BORING LOGS-13               | S4.3         | NORTH BRIDGE ABUTMENT #2 ELEVATION           |
| C13.2        | STRONG POST W-BEAM GUARDRAIL                   | G2.14        | BORING LOGS-14               | S4.4         | SOUTH BRIDGE ABUTMENT #1 ELEVATION           |
| C13.3        | GUARDRAIL TERMINAL CONNECTORS AND END SECTIONS | G2.15        | BORING LOGS-15               | S4.5         | SOUTH BRIDGE ABUTMENT #2 ELEVATION           |
| C13.4        | STRONG POST RUBRAIL (W-BEAM) GUARDRAIL         | G2.16        | BORING LOGS-16               | S4.6         | ABUTMENT SECTIONS                            |
| C13.5        | STRONG POST THRIE-BEAM GUARDRAIL               | G2.17        | BORING LOGS-17               | S4.7         | ABUTMENT SECTIONS                            |
| C13.6        | GUARDRAIL DETAILS (AT OBSTRUCTION)             | G2.18        | BORING LOGS-18               | S4.8         | ABUTMENT DETAILS                             |
| C13.7        | GUARDRAIL DETAILS (TYPICAL CONDITIONS)         | G2.19        | BORING LOGS-19               |              |                                              |
| C13.8        | TYPE "G" FLARE                                 | G2.20        | BORING LOGS-20               | S5.1         | WING WALLS N-1 AND N-2 ELEVATIONS            |
| C13.9        | TYPE "A" FLARE - 1                             | G2.21        | BORING LOGS-21               | S5.2         | WING WALLS N-3 AND N-4 ELEVATIONS            |
| C13.10       | TYPE "A" FLARE - 2                             | G2.22        | BORING LOGS-22               | S5.3         | WING WALLS S-1 AND S-2 ELEVATIONS            |
| C13.11       | TYPE "A" FLARE - 3                             | G2.23        | BORING LOGS-23               | S5.4         | WING WALLS S-3 AND S-4 ELEVATIONS            |
| C13.12       | FLEAT-350-FLARED ENERGY ABSORBING TERMINAL     |              |                              | S5.5         | WING WALL SECTIONS AND DETAILS               |
| C13.13       | SKT-350 SEQUENTIAL KINKING TERMINAL            | S0.1         | INDEX TO STRUCTURAL DRAWINGS | S5.6         | WING WALL DETAILS                            |
| C13.14       | ET-2000 PLUS                                   | S0.2         | INDEX TO STRUCTURAL DRAWINGS |              |                                              |
| C13.15       | FLEAT-MT MEDIAN TERMINAL                       | S0.3         | ESTIMATED QUANTITIES         | S6.1         | DRILLED SHAFT DETAILS                        |
|              |                                                | S0.4         | STRUCTURAL GENERAL NOTES     | S6.2         | LOAD TEST SHAFT DETAILS                      |
| G0.1         | GENERAL BORNING LOCATION PLAN                  | S0.5         | STRUCTURAL GENERAL NOTES     |              |                                              |
| G0.2         | BORING LOCATION PLAN - 1                       | S0.6         | SYMBOLS AND ABBREVIATIONS    | S7.1         | END OF GIRDER SECTION AND ELEVATION          |
| G0.3         | BORING LOCATION PLAN - 2                       |              |                              | S7.2         | MID-SEGMENT GIRDER ELEVATIONS                |
| G0.4         | BORING LOCATION PLAN - 3                       | S1.1         | KEY PLAN                     | S7.3         | GIRDER SECTIONS                              |
|              |                                                |              |                              | S7.4         | GIRDER DETAILS                               |
| G1.1         | LOG LEGEND & NOTES                             | S2.1         | DECK PLAN                    |              |                                              |
|              |                                                | S2.2         | PRECAST GIRDER PLAN          |              |                                              |
| G2.1         | BORING LOGS-1                                  | S2.3         | DECK FRAMING PLAN            |              |                                              |
| G2.2         | BORING LOGS-2                                  | S2.4         | FINISH GRADE PLAN            |              |                                              |
| G2.3         | BORING LOGS-3                                  | S2.5         | FOUNDATION PLAN              |              |                                              |
| G2.4         | BORING LOGS-4                                  |              |                              |              |                                              |
|              |                                                |              |                              |              |                                              |
|              |                                                |              |                              |              |                                              |

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| Roadway                         | Text for as-built posting           |



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SIGNATURE: *[Signature]* April 30, 2008  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SHEET INDEX - 3**

North-South Road  
Phase 1C  
F.A.I. Proj. No. STP-8930(4)

Date: Feb 21, 2007

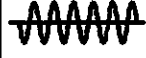
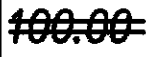



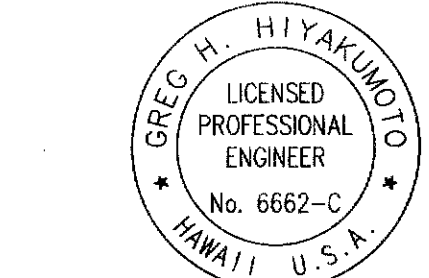
OVERALL INDEX

| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | STP-8930(4)           | 2007           | 5            | 380             |


| SHEET<br>NO. | DESCRIPTION                                                         | SHEET<br>NO. | DESCRIPTION                                           | SHEET<br>NO. | DESCRIPTION                                      |
|--------------|---------------------------------------------------------------------|--------------|-------------------------------------------------------|--------------|--------------------------------------------------|
| S7.5         | GIRDER DETAILS AND NOTES                                            | S13.5E       | SECTION AT NEW BOX CULVERT (PCCP < 12")               | S17.3        | LIGHT POLE STRUCTURE EXCAVATION PAY LIMITS       |
| S8.1         | PRECAST DECK PLANK DETAILS                                          | S14.1        | SPECIAL CATCH BASINS "S57" TO "S64" AND "S68" PLANS   | S18.1        | WEIGHT-IN-MOTION STATION TRAFFIC BEARING PULLBOX |
| S9.1         | DIAPHRAGM ELEVATION AND DETAILS                                     | S14.2        | SPECIAL CATCH BASINS "S57" TO "S64" AND "S68" PLAN    | S18.2        | WEIGHT-IN-MOTION STATION TRAFFIC BEARING PULLBOX |
| S10.1        | GUARDRAIL AND END POST ELEVATION AND SECTION                        |              | AND SECTION                                           |              |                                                  |
|              | ROAD SEPARATION                                                     | S14.3        | SPECIAL CATCH BASINS "S57" TO "S64" AND "S68" SECTION | S19.1        | PALEHUA SEPARATION LAYOUT PLAN                   |
| S10.2        | GUARDRAIL AND END POST SECTIONS FOR NORTH-SOUTH ROAD SEPARATION     | S14.3A       | SPECIAL CATCH BASIN "S57" PLANS                       | S19.1A       | PALEHUA SEPARATION BARRIER REPAIR - SECTION      |
| S10.3        | END POST SECTIONS AND DETAILS FOR NORTH-SOUTH ROAD SEPARATION       | S14.3B       | SPECIAL CATCH BASIN "S57" PLAN AND SECTION            | S19.2        | PALEHUA SEPARATION PAVEMENT SECTIONS             |
| S10.4        | GUARDRAIL PLAN                                                      | S14.3C       | SPECIAL CATCH BASIN "S57" SECTIONS                    | S19.3        | PALEHUA SEPARATION APPROACH SLAB                 |
| S10.5        | GUARDRAIL SECTIONS AND DETAILS                                      | S14.4        | SPECIAL CATCH BASINS "S65" PLANS                      | S19.4        | GUARD RAIL AND END POST PLAN AND ELEVATION       |
|              |                                                                     | S14.5        | SPECIAL CATCH BASINS "S65" PLAN AND SECTION           | S19.4A       | GUARD RAIL AND END POST PLAN AND ELEVATION       |
|              |                                                                     | S14.6        | SPECIAL CATCH BASINS "S65" SECTION                    | S19.5        | GUARD RAIL AND END POST SECTIONS                 |
|              |                                                                     | S14.7        | SPECIAL CATCH BASINS "S66" PLANS                      | S19.6        | DEMOLITION END POST PLAN AND ELEVATION           |
| S11.1        | APPROACH SLAB AT NORTH-SOUTH ROAD SEPARATION                        | S14.8        | SPECIAL CATCH BASINS "S66" PLAN AND SECTION           | S19.6A       | DEMOLITION END POST PLAN AND ELEVATION           |
|              |                                                                     | S14.9        | SPECIAL CATCH BASINS "S66" SECTION                    | S19.7        | UPGRADE END POST PLAN AND ELEVATION              |
| S12.1        | APPROACH SLAB AT NORTH-SOUTH ROAD SEPARATION                        | S14.10       | SPECIAL CATCH BASINS "S67" AND "S69" PLANS            | S19.7A       | UPGRADE END POST PLAN AND ELEVATION              |
|              |                                                                     | S14.11       | SPECIAL CATCH BASINS "S67" AND "S69" PLAN AND SECTION | S19.8        | UPGRADE END POST SECTIONS                        |
| S13.1        | DBL 12'x12' DRAIN CULVERT EXTENSION LAYOUT PLAN AND TYPICAL SECTION | S14.12       | SPECIAL CATCH BASINS "S67" AND "S69" SECTION          | S19.9        | UPGRADE END POST PLAN AND ELEVATION              |
| S13.2        | DBL 12'x12' DRAIN CULVERT EXTENSION INLET PLAN                      | S14.13       | SPECIAL CATCH BASINS "S70" PLANS                      | S19.9A       | UPGRADE END POST PLAN AND ELEVATION              |
| S13.3        | DBL 12'x12' DRAIN CULVERT EXTENSION INLET SECTIONS                  | S14.14       | SPECIAL CATCH BASINS "S70" PLAN AND SECTION           | S19.10       | UPGRADE END POST SECTIONS                        |
| S13.4        | DBL 12'x12' DRAIN CULVERT EXTENSION OUTLET PLAN                     | S14.15       | SPECIAL CATCH BASINS "S70" SECTION                    | S19.10A      | DEMOLITION PLAN                                  |
| S13.5        | DBL 12'x12' DRAIN CULVERT EXTENSION OUTLET SECTIONS                 | S14.16       | SPECIAL DRAIN MANHOLE #1 PLAN AND SECTION             | S19.10B      | BARRIER PLAN, ELEVATION AND DETAIL               |
| S13.6        | DBL 12'x12' DRAIN CULVERT EXTENSION SLAB REINFORCING                | S14.17       | SPECIAL DRAIN MANHOLE #1 SECTION                      | S19.10C      | CONCRETE BARRIER SECTIONS                        |
| S13.7        | DBL 12'x12' DRAIN CULVERT EXTENSION TYPICAL SECTIONS                | S14.18       | DRAINAGE STRUCTURE TYPICAL DETAILS                    | S19.10D      | CONCRETE BARRIER SECTIONS                        |
| S13.8        | DBL 12'x12' DRAIN CULVERT EXTENSION TYPICAL SECTIONS AND DETAIL     |              |                                                       | S19.10E      | CONCRETE BARRIER SECTIONS                        |
| S13.9        | DBL 12'x12' DRAIN CULVERT EXTENSION TYPICAL WING WALL SECTION       | S15.1        | 24" DRAIN OUTLET PLAN, ELEVATION AND SECTIONS         | S19.10F      | UPGRADE END POST SECTION                         |
| S13.10       | END POST PLAN AND ELEVATION AT BOX CULVERT EXTENSION                | S15.2        | REINFORCED CONCRETE COLLAR SECTIONS (≤ 42" CULVERT)   |              |                                                  |
| S13.11       | END POST PLAN, ELEVATION AND DETAIL AT BOX CULVERT EXTENSION        | S15.3        | REINFORCED CONCRETE COLLAR SECTIONS (> 42" CULVERT)   |              |                                                  |
| S13.12       | END POST SECTIONS AT BOX CULVERT EXTENSION                          | S15.4        | REINFORCING AT UNDERDRAIN PIPE OPENING                |              |                                                  |
| S13.13       | END POST SECTIONS AT BOX CULVERT EXTENSION                          |              |                                                       |              |                                                  |
| S13.14       | END POST SECTIONS AT BOX CULVERT EXTENSION                          | S16.1        | DESTINATION SIGN DETAILS                              |              |                                                  |
| S13.15       | APPROACH SLAB AT BOX CULVERT EXTENSION                              | S16.2        | DESTINATION SIGN DETAILS                              |              |                                                  |
| S13.5A       | REINFORCING PLAN OUTLET STRUCTURE (RAMP D)                          |              |                                                       |              |                                                  |
| S13.5B       | REINFORCING PLAN INTLET STRUCTURE (RAMP A)                          | S17.1        | TYPICAL LIGHT POLE FOUNDATION                         |              |                                                  |
| S13.5C       | SECTION AT EXISTING BOX CULVERT                                     | S17.1A       | TYPICAL LIGHT POLE FOUNDATION                         |              |                                                  |
| S13.5D       | SECTION AT NEW BOX CULVERT (PCCP > 12")                             | S17.2        | TYPICAL LIGHT POLE FOUNDATION                         |              |                                                  |

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| DATE        | _____ |
| DESIGNED BY | _____ |
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| IN CHARGE   | _____ |
| NO. 6662-C  | _____ |

| LEGEND FOR<br>AS-BUILT POSTINGS                                                       |                                     |
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|  | Text for as-built posting           |



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE:  April 30, 2008  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

SHEET INDEX - 4

North-South Road  
Phase 1C  
F.A.I. Proj. No. STP-8930(4)

Date: Feb 21, 2007

SHEET No. C0.4 OF 179 SHEETS

"AS-BUILT"

OVERALL INDEX

| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | STP-8930(4)           | 2007           | 6            | 380             |


| SHEET<br>NO. | DESCRIPTION                                | SHEET<br>NO. | DESCRIPTION                                           | SHEET<br>NO. | DESCRIPTION       |
|--------------|--------------------------------------------|--------------|-------------------------------------------------------|--------------|-------------------|
| E0.1         | ELECTRICAL SITE PLAN                       | E2.13A       | STREET LIGHT DETAILS IIIA                             | L1.1         | PLANTING KEY PLAN |
| E0.2         | ELECTRICAL SYMBOLS                         | E2.14        | TRAFFIC SIGNAL DETAILS I                              | L1.2         | PLANTING PLANS 1  |
| E0.3         | STATE NOTES AND MISCELLANEOUS DETAILS      | E2.15        | TRAFFIC SIGNAL DETAILS II                             | L1.3         | PLANTING PLANS 2  |
| E0.4         | HECO NOTES I                               | E2.16        | TRAFFIC SIGNAL DETAILS III                            | L1.4         | PLANTING PLANS 3  |
| E0.5         | HECO NOTES II                              | E2.17        | MISCELLANEOUS TRAFFIC SIGNAL DETAILS                  | L1.5         | PLANTING PLANS 4  |
| E0.6         | HTCO NOTES                                 | E2.18        | TRAFFIC SIGNAL DETAILS V                              | L1.6         | PLANTING PLANS 5  |
|              |                                            | E2.19        | LOOP DETECTOR DETAILS                                 | L1.7         | PLANTING PLANS 6  |
| E1.1         | ELECTRICAL PARTIAL PLAN 1                  | E2.20        | TRAFFIC SIGNAL PHASING DIAGRAMS                       | L1.8         | PLANTING PLANS 7  |
| E1.2         | ELECTRICAL PARTIAL PLAN 2                  | E2.21        | WEIGH-IN-MOTION EQUIPMENT ELEVATION, ONE-LINE DIAGRAM |              |                   |
| E1.3         | ELECTRICAL PARTIAL PLAN 3                  | E2.22        | WEIGH-IN-MOTION STATION WIRING DIAGRAM                |              |                   |
| E1.4         | ELECTRICAL PARTIAL PLAN 4                  | E2.23        | WEIGH-IN-MOTION MISCELLANEOUS DETAILS I               |              |                   |
| E1.5         | ELECTRICAL PARTIAL PLAN 5                  | E2.24        | WEIGH-IN-MOTION MISCELLANEOUS DETAILS II              |              |                   |
| E1.6         | ELECTRICAL PARTIAL PLAN 6                  |              |                                                       |              |                   |
| E1.7         | ELECTRICAL PARTIAL PLAN 7                  | E3.1         | STREET LIGHTING SYSTEM "C" ONE-LINE DIAGRAM           |              |                   |
| E1.8         | ELECTRICAL PARTIAL PLAN 8                  | E3.2         | STREET LIGHT CONNECTION DIAGRAM I                     |              |                   |
| E1.9         | UNDERPASS LIGHTING PLAN                    | E3.3         | STREET LIGHT CONNECTION DIAGRAM II                    |              |                   |
| E1.10        | INTERCHANGE TRAFFIC SIGNAL PLAN I          | E3.4         | STREET LIGHT CONNECTION DIAGRAM III                   |              |                   |
| E1.11        | INTERCHANGE TRAFFIC SIGNAL PLAN II         | E3.5         | STREET LIGHT CONNECTION DIAGRAM IV                    |              |                   |
| E1.12        | NORTH-SOUTH ROAD TRAFFIC SIGNAL PLAN III   | E3.6         | STREET LIGHT CONNECTION DIAGRAM V                     |              |                   |
| E1.13        | TRAFFIC COUNTING STATION PLAN              | E3.7         | STREET LIGHT CONNECTION DIAGRAM VI                    |              |                   |
| E1.14        | DESTINATION SIGN LIGHTING PLANS - 1        |              |                                                       |              |                   |
| E1.15        | DESTINATION SIGN LIGHTING PLANS - 2        | E4.1         | CONSTRUCTION BYPASS LIGHTING PLAN 1                   |              |                   |
|              |                                            | E4.2         | CONSTRUCTION BYPASS LIGHTING PLAN 2                   |              |                   |
| E2.1         | TYPICAL DUCT SECTIONS I                    | E4.3         | CONSTRUCTION BYPASS LIGHTING PLAN 3                   |              |                   |
| E2.2         | TYPICAL DUCT SECTIONS II                   | E4.4         | CONSTRUCTION BYPASS LIGHTING PLAN 4                   |              |                   |
| E2.3         | TYPICAL DUCT SECTIONS III                  | E4.5         | CONSTRUCTION BYPASS LIGHTING PLAN 5                   |              |                   |
| E2.4         | ELECTRICAL EQUIPMENT LAYOUTS 1 & 2         | E4.6         | CONSTRUCTION BYPASS LIGHTING PLAN 6                   |              |                   |
| E2.5         | ELECTRICAL EQUIPMENT LAYOUT 3              | E4.7         | OVERHEAD DETAILS                                      |              |                   |
| E2.6         | AUTOMATIC TRANSFER SWITCHING EQUIPMENT PAD | E4.8         | TEMPORARY STREET LIGHT DETAILS                        |              |                   |
| E2.7         | METER AND EQUIPMENT ENCLOSURE DETAILS      |              |                                                       |              |                   |
| E2.8         | STREET LIGHTING EQUIPMENT ELEVATION        | E5.1         | MAKAKILO & KUNIA INTERCHANGE LOCATION PLANS           |              |                   |
| E2.9         | TRAFFIC SIGNAL EQUIPMENT ELEVATION         | E5.2         | MAKAKILO INTERCHANGE EXST EQUIPMENT ELEVATIONS        |              |                   |
| E2.10        | PULLBOX AND COVER DETAILS                  | E5.3         | MAKAKILO INTERCHANGE EXST ONE-LINE DIAGRAM            |              |                   |
| E2.11        | STREET LIGHT DETAILS I                     | E5.4         | KUNIA INTERCHANGE EXST EQUIPMENT ELEVATIONS           |              |                   |
| E2.12        | STREET LIGHT DETAILS II                    | E5.5         | KUNIA INTERCHANGE EXST ONE-LINE DIAGRAM Y             |              |                   |
| E2.13        | STREET LIGHT DETAILS III                   | E5.6         | KUNIA INTERCHANGE EXST ONE-LINE DIAGRAM Z             |              |                   |


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THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION.

 April 30, 2008
EXPIRATION DATE OF
THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SHEET INDEX - 5

North-South Road
Phase 1C
F.A.I. Proj. No. STP-8930(4)

Date: Feb 21, 2007

SHEET No. C0.5 OF 179 SHEETS

| | |
|-------------|------|
| DESIGNED BY | DATE |
| TRACED BY | |
| NOTED BY | |
| CHECKED BY | |
| APPROVED BY | |