

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWA]]	HAW.	HWY-0-02-11R	2014	2	43

STANDA PLAN N	 TITLE	DATE
B-01	NOTES & MISCELLANEOUS DETAILS	05/31/07
B-03	BACKFILL DETAILS AT EARTH RETAINING STRUCTURES	05/31/07
B-12	PRESTRESSED CONCRETE PILES & COMPRESSION SPLICE	05/31/07
	CAN DETAILS	
B-12A	PRESTRESSED CONCRETE PILES, PILE & COMPRESSION	05/31/07
	SPLICE CAN DETAILS & NOTES	
B-12B	PILE INTERACTION DIAGRAM	05/31/07
B-13	PRESTRESSED CONCRETE PILE BUILD-UP DETAILS	05/31/07
		<u> </u>
D-01	CATTLE GATE	05/31/07

		T	
D-01	*	CATTLE GATE	05/31/07
D-02		CHAIN LINK FENCE WITH TOPRAIL	05/31/07
D-03		CHAIN LINK FENCE WITHOUT TOPRAIL	05/31/07
D-04		WIRE FENCE WITH METAL POSTS	05/31/07
D-05		TYPICAL DETAILS OF CURBS AND/OR GUTTERS	05/31/07
D-06		TYPICAL DETAIL OF REINFORCED CONCRETE DROP DRIVEWAY	05/31/07
D-07		CENTERLINE AND REFERENCE SURVEY MONUMENTS	05/31/07
D-08		STREET SURVEY MONUMENT	05/31/07
D-15		CONCRETE SIDEWALK	05/31/07
D-16		P.C.C. BUS PAD	05/31/07
D-17		P.C.C. BUS PAD	05/31/07
D-18		P.C.C. PAVEMENT LAYOUT	05/31/07
D-19		P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07
D-20		P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07
D-21		P.C.C. LONGITUDINAL JOINT DETAILS	05/31/07
D-22		P.C.C. CONNECTION TO CURBS AND GUTTERS	05/31/07
D-23		JOINTS	05/31/07

08/16/06

08/16/06

TREE PLANTING

TREE PLANTING

L-02

L-03		TREE TRANSPLANTING	08/16/06
L-04		PALM PLANTING	08/16/06
L-05		SHRUB PLANTING	08/16/06
L-06		LANDSCAPE DETAILS	08/16/06
L-07	-	LANDSCAPE DETAILS	08/16/06
L-08		LANDSCAPE DETAILS	08/16/06
L-09		LANDSCAPE DETAILS	08/16/06
L-10	-	LANDSCAPE DETAILS	08/16/06
L-11		PLANTING NOTES	08/16/06
L-12		IRRIGATION DETAILS	08/16/06
L-13		IRRIGATION DETAILS	08/16/06
L-14		IRRIGATION DETAILS	08/16/06
L-15		IRRIGATION DETAILS	08/16/06
L-16		IRRIGATION DETAILS	08/16/06
L-17		IRRIGATION DETAILS	08/16/06
L-18		IRRIGATION DETAILS	08/16/06
L-19	-	IRRIGATION DETAILS	08/16/06
L-20		IRRIGATION DETAILS	08/16/06
L-21		IRRIGATION DETAILS	08/16/06
L-22		IRRIGATION DETAILS	08/16/06
L-23	-	IRRIGATION DETAILS	08/16/06
L-24		IRRIGATION NOTES	08/16/06

PLAN NO.	TITLE	DATE
H-01A ·	TYPE A CATCH BASIN	05/31/07
H-01B	TYPE B CATCH BASIN	05/31/07
H-01C ·	TYPE C CATCH BASIN	05/31/07
H-01D ·	TYPE D CATCH BASIN	05/31/07
H-01E	CATCH BASIN SECTIONS	05/31/07
H-02A	TYPE A1 CATCH BASIN	05/31/07
H-02B	TYPE B2 CATCH BASIN	05/31/07
H-02C	TYPE C1 CATCH BASIN	05/31/07
H-02D ·	TYPE D1 CATCH BASIN	05/31/07
H-02E	CATCH BASIN SECTION	05/31/07
H-03	TYPE A,B, AND C STORM DRAIN MANHOLE	05/31/07
H-04	TYPE D STORM DRAIN MANHOLE	05/31/07
H-05	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07
H-06	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07
H-07 ·	CATCH BASIN AND MANHOLE CASTINGS	05/31/07
H-08	TYPE 1A-9 AND 1A-9P GRATED DROP INLET	05/31/07
H-09	TYPE 2A-9 AND 2A-9P GRATED DROP INLET	05/31/07
H–10 ·	TYPE A-9 OR A-9P STEEL FRAMES	05/31/07
H-11 ·	TYPE A-9 AND A-9P STEEL GRATES	05/31/07
H-12 ·	TYPE 61614P AND 1211214P GRATED DROP INLET	05/31/07
H-13 ·	TYPE 61616P AND 1211216P GRATED DROP INLET	05/31/07
H-14 ·	TYPE 61214P GRATED DROP INLET	05/31/07
H-15 ·	TYPE 1211214, 1211214P, 1211216, 1211216P STEEL	05/31/07
	FRAME AND GRATES	
H-16 ·	TYPE 61614, 61614P, 61616, 61616P STEEL FRAME	05/31/07
	AND GRATES	
H-17 ·	TYPE 61214 STEEL FRAMES AND GRATES	05/31/07
H-18 ·	TYPE 61214P STEEL GRATES	05/31/07
H-19	TYPE 61614B STEEL FRAME AND GRATES	05/31/07
H-20	CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-21	CONCRETE AND CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-22	INLET/OUTLET STRUCTURE	05/31/07
H-23	INLET/OUTLET STRUCTURE	05/31/07
H-24 ·	FLARED END SECTION FOR CULVERTS	05/31/07
H-25	FLARED END SECTION FOR CULVERTS	05/31/07
H-26	CONCRETE SPILLWAY INLET	05/31/07
H-27 ·	CAP COUPLING DETAILS STANDARD JOINT	05/31/07
H–28	REINFORCED CONCRETE COLLAR & JACKET	05/31/07
H-29 ·	UNDERDRAIN CLEANOUT STEEL FRAME AND COVER	05/31/07
H-30	UNDERDRAIN CONNECTION TO DRAINAGE STRUCTURE	05/31/07

TE-01		SIGN HEIGHT AND LOCATION	07/11/08
TE-1A		SIGN INSTALLATION	07/11/08
TE-02A		GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-02B		GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-02C		GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-03A		GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07
TE-03B		GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07
TE-04	•	REGULATORY SIGNS	07/11/08
TE-05	•	WARNING SIGNS	07/11/08
TE-06	•	MISCELLANEOUS SIGNS	07/11/08
TE-07	•	CONSTRUCTION SIGNS	07/11/08
TE-08		MISCELLANEOUS INTERSECTION SIGNS	07/11/08

TANDARD PLAN NO.	TITLE	DATE
TE-09	BIKE ROUTE SIGN & SUPPLEMENTARY PLATES	07/11/08
TE-10	INTERSTATE ROUTE MARKER	07/11/08
TE-11	STATE ROUTE MARKER AND AUXILIARY MARKERS	07/11/08
TE-12	STATE ROUTE MARKER AND BORDER DETAIL FOR GUIDE SIGNS	07/11/08
TE-12A	ROUTE SIGN ASSEMBLIES	07/11/08
TE-13	STREET NAME SIGN ON MAST ARM	07/11/08
TE-14	MISCELLANEOUS REFLECTOR MARKERS	07/11/08
TE-15	OBJECT MARKERS	07/11/08
TE-16	MILE POSTS	07/11/08
TE-17A ·	CANTILEVER OVERHEAD SIGN ELEVATION & DETAILS	05/31/07
TE-17B ·	CENTILEVER SIGN FRAME DETAIL AND SECTION	05/31/07
TE-17C	CANTILEVER SIGN FRAME DETAIL	05/31/07
TE-17D ·	CENTILEVER SIGN FRAME SECTION	05/31/07
TE-17E	CENTILEVER SIGN FRAME DETAILS	05/31/07
TE-18A	TWO POST OVERHEAD SIGN FRAME ELEVATIONS	05/31/07
TE-18B ·	TWO POST SIGN FRAMING PLAN SECTION	05/31/07
TE-18C	TWO POST SIGN FRAMING SECTIONS AND DETAILS	05/31/07
TE-18D	TWO POST SIGN FRAME DETAILS	05/31/07
TE-18E	TWO POST SIGN FRAME DETAILS	05/31/07
TE-19A	OVERHEAD SIGN FRAMING SCHEDULE	05/31/07
TE-19B	SIGN POST DRILLED SHAFT FOUNDATION	05/31/07
TE-19C	SPREAD FOOTING	05/31/07
TE-19D	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.1	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.2	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.3	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.4	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19D.5	SIGN FRAME FOUNDATION SCHEDULE	05/31/07
TE-19E	ANCHORAGE DETAILS	05/31/07
TE-19F	ANCHORAGE DETAILS	05/31/07
TE-19G	MISCELLANEOUS SIGN FRAME DETAILS	05/31/07
TE-19H	LUMINAIRE WALKWAY SUPPORT	05/31/07
TE-19J	FIXED MESSAGE LUMINAIRE SUPPORT	05/31/07
TE-19K	MISCELLANEOUS SIGN DETAILS	05/31/07
TE-19L	MISCELLANEOUS SIGN DETAILS	05/31/07
TE-19M	MISCELLANEOUS SIGN FRAME DETAILS	05/31/07
TE-20	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-20A	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-20B	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-20C	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07
TE-21A ·	SIGN BREAKAWAY MOUNTS	05/31/07
TE-21B	SIGN BREAKAWAY MOUNTS	05/31/07
TE-22	LAMINATED ALUMINUM SIGN PANELS (OVERHEAD)	05/31/07
TE-23	LAMINATED ALUMINUM SIGN PANELS (GROUND MOUNTED)	07/11/08
TE-24	SOLID ALUMINUM EXTRUDED SIGN PANEL AND	05/31/07
TF 05	ACCESSORY DETAILS	AE (6 · · · ·
TE-25	GUIDE SIGNS LUMINAIRE MOUNTINGS	05/31/07
TE-26	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08
TE-27	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08
TE-28	ENTRANCE AND EXIT PAVEMENT MARKINGS	07/11/08
TE-28A	MISCELLANEOUS PAVEMENT MARKINGS	07/11/08
TE-29	PAVEMENT ARROWS AND SYMBOLS	07/11/08
TE-30	PAVEMENT ALPHABETS, NUMBERS & SYMBOLS	07/11/08

STANDARD PLAN NO.	TITLE	DATE
TE-32	TYPE I & II TRAFFIC SIGNAL SYSTEM MISC. DETAILS	05/31/07
TE-33	TYPE IITRAFFIC SIGNAL SYSTEM	08/16/06
TE-33A.1	TYPE IITRAFFIC SIGNAL STANDARD	05/31/07
TE-33A.2	TYPE II TRAFFIC SIGNAL STANDARD	05/31/07
TE-34	LOOP DETECTOR DETAILS	07/11/08
TE-35	LOOP DETECTORS & DUCT DETAILS	07/11/08
TE-36	TRAFFIC SIGNAL DETAILS	07/11/08
TE-37	PULLBOX & COVER DETAILS	07/11/08
TE-37A	TYPE "A" TRAFFIC PULLBOX	05/31/07
TE-37B ·	TYPE "A" TRAFFIC PULLBOX REINFORCING	05/31/07
TE-37C ·	TYPE "B" TRAFFIC PULLBOX	05/31/07
TE-37D ·	TYPE "B" TRAFFIC PULLBOX REINFORCING	05/31/07
TE-37E	TYPE "B" TRAFFIC PULLBOX FOUNDATION	05/31/07
TE-37F	TYPE "C" TRAFFIC PULLBOX	05/31/07
TE-37G	TYPE "C" TRAFFIC PULLBOX REINFORCING	05/31/07
TE-37H	TYPE "C" TRAFFIC PULLBOX FOUNDATION	05/31/07
TE-37J	TRAFFIC PULLBOX COVER AND DETAILS	05/31/07
TE-38	TYPE III TRAFFIC SIGNAL STANDARD	05/31/07
TE-38A.1	TYPE III TRAFFIC SIGNAL STANDARD	05/31/07
TE-38A.2	TYPE III TRAFFIC SIGNAL STANDARD	05/31/07
TE-39	METAL GUARDRAIL CONNECTION TO CONCRETE BARRIER	07/11/08
TE-40 ·	CONCRETE BARRIER TRANSITION	05/31/07
TE-40A	CONCRETE BARRIER TRANSITION SECTIONS	05/31/07
TE-41	GUARDRAIL TYPE 4 (RIGID BARRIER)	05/31/07
TE-42 ●	PORTABLE CONCRETE BARRIER	05/31/07
TE-43 ●	PORTABLE CONCRETE BARRIER	05/31/07
TE-44 ·	GUARDRAIL TYPE 4 MISCELLANEOUS DETAILS	07/11/08
TE-45	BARRICADES	07/11/08
TE-46	DELINEATION & PAVEMENT MARKINGS AT NARROW BRIDGES	07/11/08
TE-47 ·	HIGHWAY LIGHT STANDARD	05/31/07

NOTE:

STANDARD PLANS APPLICABLE TO THIS
PROJECT ARE INDICATED BY A " "

NEXT TO THE STANDARD PLAN NO.

(FOR EXAMPLE: D-07)

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

MISCELLANEOUS PERMANENT BEST MANAGEMENT PRACTICES ON OAHU PROJECT NO. HWY-0-02-11R Scale: None Date: May, 2012

SHEET No. G-1 OF 11 SHEETS

// SHE



GENERAL NOTES:

- 1. The scope of work for this project includes removal of AC and concrete ditches, installation of bioswale infiltration trenches, construction of an in-line storm water filtration system, drain pipe installation, grading, planting, mulching, maintaining vegetation during plant establishment, erosion control BMPs and providing of temporary traffic controls.
- 2. The Contractor's attention is directed to the following Specification Sections of the Standard Specifications: Subsection 107.06 Contractor Duty Regarding Public Convenience; Subsection 104.11 -Utilities and Services; and Section 645 - Work Zone Traffic Control.
- 3. The Contractor's attention is directed to the Specifications Section 212 - Archaelogical Monitoring. Archaelogical Monitoring by an approved permitted archaeologist is required during excavation of Bioswales H and I.
- 4. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free and safe passage of public traffic.
- 5. The existence and location of underground utilities, manholes. monuments and structures as shown on the plans are from the latest available data but the accuracy is not quaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- 6. The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.
- 7. The Contractor shall provide for vehicle and pedestrian access to and from all existing side streets at all times.
- 8. Existing drainage system shall be kept functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
- 9. Existing concrete structures, such as manholes, culverts, channels, etc., which are designated to be removed or are in conflict with proposed construction shall be removed to a depth of not less than 3 feet below finish grade in roadway and not less than 1.5 feet below finish grade in other areas.
- 10. Existing pavement within 6 inches of the finish grade in areas to be grassed shall be removed. All other existing pavement which will not be overlaid with new A.C. pavement shall be rooted, plowed, pulverized, or scarified to a minimum depth of 6 inches.
- 11. Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
- 12. All regraded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 619 - Planting, Contractor shall restore to its original condition at no cost to the State.

- 13. When excavating in close proximity to walls, fences, and other improvements, the Contractor shall protect, support, secure, and take all precautions to prevent damaging these facilities and improvements.
- 14. The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
- 15. No material or equipment shall be stockpiled or otherwise stored within highway right-of-way except at locations designated in writing and approved by the Engineer.
- 16. Contractor shall dispose of any removed material at no cost to the State.
- 17. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
- 18. After the project is completed, the Contractor shall restore grades and groundcover within the project limits to a condition equal or better than existing condition prior to construction.
- 19. All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State.
- 20. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.

ABBREVIATIONS:

Abutment Abut. AC, ac Asphalt Concrete

₿ Baseline Bot. Bottom CLChain Link Concrete Conc.

Corrugated Polyethylene Pipe CPP

Elev Elevation

Existing Edge of Shoulder es Existing Edge of Travel Way etw

Each EA. EΒ Eastbound ftq. Footing G.W. Guy Wire M.L. Matchline ST. MON. Street Monument

NTS Not to Scale On Center O.C. Overhead 0/H

PC Point of Curvature PCC Point of Compound Curve

(for Alignment)

PΕ Polyethylene

PIPoint on Intersection POC Point on Curvature POT Point on Tangent

PPWP Polyvinyl Chloride Profile Wall Pipe

PTPoint of Tangency PVC Polyvinyl Chloride R Radius

R/WRight-of-Way SFM Sewer Force Main sl Street Light Street Light Box SLB STA Station along B Telephone

TCPTraffic Control Plan TRMTurf Reinforcement Mat

UG Underaround U.P. Utility Pole Water

WQV Water Quality Volume

LEGEND:

HAWA]]

STATE

Existing

Chain Link Fence

PROJ. NO.

HAW. HWY-0-02-11R

--200 ---Contour

Denotes No Access Permitted,

FISCAL YEAR

2014

SHEET NO.

3

TOTAL SHEETS

Right-of-Way

___d30 ____ Drain Pipe

> Grated Drop Inlet

Guardrail, Type 3

Slope

Street Light

Trees

Utility

LICENSED PROFESSIONAL ENGINEER No. 10377-C THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

GENERAL NOTES. LEGEND AND ABBREVIATIONS

MISCELLANEOUS PERMANENT BEST MANAGEMENT PRACTICES ON OAHU PROJECT NO. HWY-0-02-11R Scale: None Date: May, 2012

SHEET No. G-2 OF 10 SHEETS



GRADING NOTES

- 1. All grading work shall be done in accordance with Chapter 14, Articles 13, 14. Non-compliance to any of the above requirements shall mean immediate 14, 15 and 16, as related to Grading, Soil Erosion and Sediment Control, of the Revised Ordinances of Honolulu, 1990, as Amended.
- 2. No Contractor shall perform any grading operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the costs incurred for any remedial action shall be payable by the Contractor.
- 3. The Contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards contained in Chapter 11-60, "Air Pollution Control".
- 4. The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area.
- 5. Adequate provisions shall be made to prevent surface waters from damaging the cut face of an excavation or the sloped surfaces of a fill. Furthermore, adequate provisions shall be made to prevent sediment-laden runoff from leaving the site.
- 6. All slopes and exposed areas shall be sodded or planted as soon as final grades have been established. Planting shall not be delayed until all grading work has been completed. Grading to final grade shall be continuous, and any area within which work has been interrupted or delayed shall be planted.
- 7. No grading work shall be done on saturdays, sundays and holidays at any time without prior notice to the District Engineer, provided such grading work is also in conformance with Hawaii Administrative Rules, Chapter 11-43, "Community Noise Control for Oahu".
- 8. The limits of the area to be graded shall be flagged before the commencement of the grading work.
- 9. All grading operations shall be performed in conformance with the applicable provisions of the water pollution control and water quality standards contained in Hawaii Administrative Rules, Chapter 11-55, "Water Pollution Control" and Chapter 11-54, "Water Quality Standards" and if applicable, the NPDES permit for the project.
- 10. Where applicable and feasible the measures to control erosion and other pollutants shall be in place before any earth moving phase of the grading is initiated.
- 11. Temporary erosion controls shall not be removed before permanent erosion controls are in-place and established.
- 12. Temporary erosion control procedures shall be submitted for approval prior to application for grading permit.
- 13. If the grading work involves contaminated soil, then all grading work shall be done in conformance with applicable State and Federal requirements.

- suspension of all work, and remedial work should commence immediately. All remedial work shall be billed to the Contractor. All remedial work shall be no cost to the Sate. Furthermore, violators shall be subjected to administrative, civil and/or criminal penalties,
- 15. Prior to placement of any fill, the existing ground shall be scarified to a depth of six inches and compacted to a minimum of 90 percent compaction as determined by AASHTO T-180.
- 16. Restore AC swale width with Carpet Grass sod, utilizing 2" square sod plugs at 6" on center spacing.
- 17. Contractor shall be solely responsible for eradication all Fireweed (Senecio madagascariensis), as a result of Carpet grass use.
- 18. Contractor shall be solely responsible for complete removal and damages resulting from planting any species listed on the Hawaii Department of Agriculture "Noxious Weed Rules" as defined in the statute, Hawaii Administrative Rules 4-68-1 or the "Federal Noxious Weed List" as defined in Title 7 of the Code of Federal Regulations (CFR), parts 360 and 361.

FISCAL YEAR SHEET NO. TOTAL SHEETS STATE PROJ. NO.

HAWA]] HAW. HWY-0-02-11R 2014 4



EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

GRADING NOTES

MISCELLANEOUS PERMANENT BEST MANAGEMENT PRACTICES ON OAHU PROJECT NO. HWY-0-02-11R Scale: None Date: May, 2012

SHEET No. G-3 OF 11 SHEETS













