

## ADDENDUM #4

**KITSAP TRANSIT**  
**Invitation for Bids**  
**STC Construction**  
**RFP #KT 21-734**  
**November 12, 2021**

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Note: All Proposers shall acknowledge the receipt of this Addendum on their Bid Form. This Addendum contains the following:

- I. Clarification of Bid Documents
- II. Questions Asked and Answers Given

### I. Clarification of Bid Documents

#### Engineer's Estimate

Kitsap Transit has updated the Engineer's Estimate to \$10M to \$13M.

#### Section 6 Bid Form Part 5 Schedule of Values

The Schedule of Values / Bid Form has been updated to include the dollar value of the minor change items. Please be aware that other line item quantities have changed (changes are in red).

#### Volume 2 Section 01 40 00 Quality Requirements

This section has been updated to clarify the material testing requirements. Updated Section 01 40 00 attached.

#### Volume 2 Section 07 46 13 Exterior Soffits

This section has been updated to include multiple vendors for the Soffit material to comply with Buy America. Update section attached.

### II. Questions Asked and Answers Given

**Question:** There is a conflict between landscape plan sheet LS5 and LS10 which is the Plant Material List. On LS10 it shows Screening Shrub Planting Mix with a circled #1 which is for Topsoil Type A to be installed in this area. On LS5 the same Screening Shrub Mix shows a circled #2 which is for Soil Amendment and a circled #5 which is for wood chip mulch to be installed in this area. Could you clarify?

## **ADDENDUM #4**

**Answer:** The callouts on LS5 are the correct ones. It should be soil amendment (2) and mulch (5). LS10 has the wrong callouts.

**Question:** All structural steel requires shop drawings to be developed and approved by the contracting office before any steel is purchased and fabricated.

In today's steel fabrication industry most often the shop drawings are farmed out to off shore companies such as India and China. Some detailing companies as such even put one contact person in the states to lander the shop drawings through but the work is always done off shore.

We ask this: The shop drawings are a must and are required as part of the fabrication process to be done correctly. Is this process considered part of the manufacturing process?

If so this would require the shop drawing to be developed in the USA and would be a different cost to be done by American labor for detailing the steel and components. Please clarify and advise.

**Answer:** This is the first time that this type of question has been posed to our team on a project like this. Kitsap Transit's guidance is, that is a question that would need to be answered by the FTA directly.

**All other terms and conditions remain the same.**

END ADDENDUM 4

Please remember to acknowledge this addendum.

## Bid Set Schedule of Values

Project No. 234-2388-040

**Project Name**  
Silverdale Transit Center

**Location**  
Silverdale, WA

**Owner**  
Kitsap Transit

**Estimated By:**  
**Date:**

**Checked By:**  
**Date:**

ITEM NO.	STD/SP	SECTION	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
<b>SCHEDULE A.1: NW SID UHINCK DR</b>							
A1	SP	1-04.4	MINOR CHANGE	1	CALC	\$ 9,000	\$ 9,000
A2	SP	1-05.4	STRUCTURE SURVEYING	1	LS		\$
A3	SP	1-05.4	ROADWAY SURVEYING	1	LS		\$
A4	SP	1-05.4	ADA FEATURES SURVEYING	1	LS		\$
A5	SP	1-05.18	RECORD DRAWINGS (MINIMUM BID \$5,000)	1	LS		\$
A6		1-07.15	SPCC PLAN	1	LS		\$
A7	SP	1-08.3	TYPE B PROGRESS SCHEDULE	1	LS		\$
A8		1-09.7	MOBILIZATION	1	LS		\$
A9	SP	1-10	PROJECT TEMPORARY TRAFFIC CONTROL	1	LS		\$
A10		2-01	CLEARING AND GRUBBING	1.20	ACRE		\$
A11	SP	2-01	SELECTIVE CLEARING	0.03	ACRE		\$
A12	SP	2-02	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS		\$
A13	SP	2-02	REMOVING MANHOLE	1	EACH		\$
A14	SP	2-02	REMOVING SEWER PIPE	80	LF		\$
A15	SP	2-02	REMOVING STORM PIPE	210	LF		\$
A16	SP	2-02	REMOVING DRAINAGE STRUCTURE	10	EACH		\$
A17	SP	2-02	REMOVE/ABANDON WATER SYSTEM	1	LS		\$
A18	SP	2-02	REMOVING ASPHALT CONC. PAVEMENT	2100	SY		\$
A19	SP	2-02	REMOVING CEMENT CONC. SIDEWALK	540	SY		\$
A20	SP	2-02	REMOVING CEMENT CONC. CURB AND GUTTER	1010	LF		\$
A21	SP	2-02	INSTALL VANED GRATE	1	EACH		\$
A22	SP	2-03	ROADWAY EXCAVATION INCL. HAUL	1900	CY		\$
A23	SP	2-03	UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	190	CY		\$
A24		2-03	SELECT BORROW INCL. HAUL	500	TON		\$
A25		2-03	EMBANKMENT COMPACTION	620	CY		\$
A26	SP	2-03	POND EMBANKMENT COMPACTION	160	CY		\$
A27	SP	2-03	POND EXCAVATION INCL. HAUL	1690	CY		\$
A28		2-09	SHORING OR EXTRA EXCAVATION CLASS A	1	LS		\$
A29		2-09	SHORING OR EXTRA EXCAVATION CLASS B	3330	SF		\$
A30		2-12	CONSTRUCTION GEOTEXTILE FOR SEPARATION	150	SY		\$
A31		2-12	CONSTRUCTION GEOTEXTILE FOR PERMANENT EROSION CONTROL	20	SY		\$
A32		4-04	CRUSHED SURFACING TOP COURSE	280	TON		\$
A33		4-04	CRUSHED SURFACING BASE COURSE	610	TON		\$
A34		4-04	PERMEABLE BALLAST	120	TON		\$
A35	SP	5-04	HMA CL. 1/2 IN PG 58H-22	370	TON		\$
A36	SP	6-13	MODULAR BLOCK WALL	440	SF		\$
A37	SP	7-04	LCPE STORM SEWER PIPE 12 IN. DIAM	660	LF		\$
A38	SP	7-04	DUCTILE IRON STORM SEWER PIPE 12 IN. DIAM	60	LF		\$
A39		7-04	TESTING STORM SEWER PIPE	720	LF		\$
A40	SP	7-04	DEBRIS BARRIER	2	EACH		\$
A41		7-05	CONNECTION TO DRAINAGE STRUCTURE	1	EACH		\$
A42		7-05	ADJUST CATCH BASIN	1	EACH		\$
A43		7-05	ADJUST MANHOLE	1	EACH		\$
A44	SP	7-05	CONCRETE INLET	1	EACH		\$
A45	SP	7-05	CATCH BASIN TYPE 1	6	EACH		\$
A46	SP	7-05	CATCH BASIN TYPE 2 48 IN. DIAM.	4	EACH		\$
A47	SP	7-05	STORMWATER POND EMERGENCY OVERFLOW STRUCTURE	1	EACH		\$
A48	SP	7-05	STORMWATER POND FLOW CONTROL STRUCTURE	1	EACH		\$
A49	SP	7-05	STORMWATER TREATMENT VAULT 1	1	EACH		\$
A50	SP	7-08	EXTRA EXCAVATION	20	CY		\$
A51	SP	7-08	FOUNDATION MATERIAL	20	CY		\$
A52		8-01	EROSION CONTROL AND WATER POLLUTION PREVENTION	1	LS		\$
A53		8-01	HIGH VISIBILITY FENCE	400	LF		\$
A54		8-01	SILT FENCE	900	LF		\$
A55		8-01	EROSION CONTROL BLANKET (BIODEGRADABLE)	1011	SY		\$
A56	SP	8-01	EROSION CONTROL BLANKET (PERMANENT)	131	SY		\$
A57		8-02	SEEDING FERTILIZING AND MULCHING	0.40	ACRE		\$
A58	SP	8-02	SOIL AMENDMENT	1240	SY		\$
A59	SP	8-02	BARK OR WOOD CHIP MULCH	874	SY		\$
A60		8-02	PSIPE WESTERN SERVICEBERRY, NO. 2. CONT	57	EACH		\$
A61		8-02	PSIPE SALAL, NO. 2. CONT	83	EACH		\$
A62		8-02	PSIPE OCEANSPRAY, NO. 2. CONT	62	EACH		\$

## Bid Set Schedule of Values

Project No. 234-2388-040

**Project Name**  
Silverdale Transit Center

**Location**  
Silverdale, WA

**Owner**  
Kitsap Transit

**Estimated By:**  
**Date:**

**Checked By:**  
**Date:**

ITEM NO.	STD/SP	SECTION	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
A63		8-02	PSIPE TALL OREGON GRAPE, NO. 2. CONT	115	EACH		\$
A64		8-02	PSIPE CREEPING OREGON GRAPE, NO. 1. CONT	83	EACH		\$
A65		8-02	PSIPE MOCK ORANGE, NO. 2. CONT	57	EACH		\$
A66		8-02	PSIPE WESTERN SWORD FERN, NO. 1. CONT	129	EACH		\$
A67		8-02	PSIPE SHRUBBY CINQUEFOIL, NO. 2. CONT	85	EACH		\$
A68		8-02	PSIPE RED FLOWERING CURRANT, NO. 2. CONT	57	EACH		\$
A69		8-02	PSIPE SNOWBERRY, NO. 2. CONT	115	EACH		\$
A70		8-02	PSIPE WATER PLANTAIN, 10 CU. IN. PLUG	259	EACH		\$
A71		8-02	PSIPE SLOUGH SEDGE, 10 CU. IN. PLUG	302	EACH		\$
A72		8-02	PSIPE COMMON ARROWHEAD, 10 CU. IN. PLUG	259	EACH		\$
A73		8-02	PSIPE HARDSTEM BULRUSH, 10 CU. IN. PLUG	259	EACH		\$
A74		8-02	PSIPE WOOLGRASS, 10 CU. IN. PLUG	302	EACH		\$
A75		8-02	PSIPE SMALL-FRUITED BULRUSH, 10 CU. IN. PLUG	259	EACH		\$
A76		8-04	CEMENT CONC. PEDESTRIAN CURB	10	LF		\$
A77		8-04	CEMENT CONC. TRAFFIC CURB AND GUTTER	990	LF		\$
A78	SP	8-06	CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1	25	SY		\$
A79		8-11	BEAM GUARDRAIL TYPE 31 - 8FT LONG POST	130	LF		\$
A80		8-11	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	1	EACH		\$
A81		8-11	BEAM GUARDRAIL (TYPE 31) ANCHOR TYPE 10	1	EACH		\$
A82	SP	8-12	BLACK VINYL COATED CHAIN LINK FENCE TYPE 6 WITH TOP RAIL	175	LF		\$
A83		8-12	CHAIN LINK FENCE TYPE 3	430	LF		\$
A84		8-12	DOUBLE 14 FT. CHAIN LINK GATE	1	EACH		\$
A85		8-14	CEMENT CONC. SIDEWALK	370	SY		\$
A86		8-14	DETECTABLE WARNING SURFACE	80	SF		\$
A87		8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL A	6	EACH		\$
A88		8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL B	2	EACH		\$
A89	SP	8-15	STREAMBED COBBLES 8 IN.	11	CY		\$
A90	SP	8-20	ILLUMINATION SYSTEM, COMPLETE	1	LS		\$
A91		8-21	PERMANENT SIGNING	1	LS		\$
A92		8-22	PAINT LINE	250	LF		\$
A93		8-22	PLASTIC CROSSWALK LINE	380	SF		\$
A94		8-22	PLASTIC STOP LINE	60	LF		\$
A95		8-22	PLASTIC TRAFFIC ARROW	1	EACH		\$
A96	SP	8-32	FIELD OFFICE BUILDING	1	LS		\$

**SUBTOTAL SCHEDULE A.1 = \$**

**TOTAL SCHEDULE A.1 = \$**

### SCHEDULE A.2: NW SID UHINCK DR UTILITIES

A97		2-09	STRUCTURE EXCAVATION CLASS B INCL. HAUL (SANITARY SEWER)	50	CY		\$
A98		2-09	SHORING OR EXTRA EXCAVATION CL. B	3100	SF		\$
A99		2-12	CONSTRUCTION GEOTEXTILE FOR SEPARATION	10	SY		\$
A100	SP	7-05	MANHOLE 48 IN. DIAM. TYPE 1	1	EACH		\$
A101	SP	7-08	EXTRA EXCAVATION	10	CY		\$
A102	SP	7-08	FOUNDATION MATERIAL	10	CY		\$
A103	SP	7-09	D.I. PIPE FOR WATER MAIN 16 IN. DIAM.	85	LF		\$
A104	SP	7-09	D.I. PIPE FOR RECYCLED WATER MAIN 12 IN. DIAM.	85	LF		\$
A105	SP	7-09	D.I. PIPE FOR WATER MAIN 10 IN. DIAM.	75	LF		\$
A106	SP	7-09	POTABLE AND RECYCLED WATER INTERTIE 8 IN.	1	LS		\$
A107		7-12	TAPPING SLEEVE AND VALVE ASSEMBLY 12 IN.	1	EACH		\$
A108	SP	7-12	ADJUST VALVE BOX	5	EACH		\$
A109	SP	7-17	PVC SANITARY SEWER PIPE 8 IN. DIAM.	100	LF		\$
A110	SP	8-30	FURNISH AND INSTALL SCHEDULE 80 PVC CONDUIT 4 IN. DIAM.	1260	LF		\$
A111	SP	8-30	FURNISH AND INSTALL SCHEDULE 80 PVC CONDUIT 2 IN. DIAM.	780	LF		\$
A112	SP	8-30	INSTALL HANDHOLE LUMEN TYPE 3048	1	EACH		\$
A113	SP	8-30	INSTALL HANDHOLE WAVE TYPE 2436	3	EACH		\$
A114	SP	8-30	FRANCHISE UTILITY COORDINATION	1	LS		\$
A115	SP	8-30	STRUCTURE EXCAVATION CLASS B INCL. HAUL FOR JOINT UTILITY TRENCH	180	CY		\$
A116	SP	8-30	CRUSHED SURFACING TOP COURSE FOR JOINT UTILITY TRENCH AND STRUCTURE BACKFILL	210	TON		\$
A117	SP	8-30	SAND BEDDING FOR JOINT UTILITY TRENCH	50	CY		\$

**SUBTOTAL SCHEDULE A.2 = \$**

**SALES TAX 9% \$**

**TOTAL SCHEDULE A.2 = \$**

**TOTAL SCHEDULE A = \$**

## Bid Set Schedule of Values

Project No. 234-2388-040

**Project Name**  
Silverdale Transit Center

**Location**  
Silverdale, WA

**Owner**  
Kitsap Transit

**Estimated By:**  
**Date:**

**Checked By:**  
**Date:**

ITEM NO.	STD/SP	SECTION	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
<b>SCHEDULE B: TRANSIT CENTER &amp; SCREENING BERM</b>							
B1	SP	1-04.4	MINOR CHANGE	1	CALC	\$ 41,000	\$ 41,000
B2	SP	1-05.4	STRUCTURE SURVEYING	1	LS		\$
B3	SP	1-05.4	ROADWAY SURVEYING	1	LS		\$
B4	SP	1-05.4	ADA FEATURES SURVEYING	1	LS		\$
B5	SP	1-05.18	RECORD DRAWINGS (MINIMUM BID \$5,000)	1	LS		\$
B6		1-07.15	SPCC PLAN	1	LS		\$
B7	SP	1-08.3	TYPE B PROGRESS SCHEDULE	1	LS		\$
B8		1-09.7	MOBILIZATION	1	LS		\$
B9	SP	1-10	PROJECT TEMPORARY TRAFFIC CONTROL	1	LS		\$
B10		2-01	CLEARING AND GRUBBING	2.44	ACRE		\$
B11	SP	2-01	SELECTIVE CLEARING	0.19	ACRE		\$
B12	SP	2-02	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS		\$
B13	SP	2-02	REMOVING STORM PIPE	360	LF		\$
B14	SP	2-02	REMOVING DRAINAGE STRUCTURE	6	EACH		\$
B15	SP	2-02	REMOVING ASPHALT CONC. PAVEMENT	1900	SY		\$
B16	SP	2-02	REMOVING CEMENT CONC. SIDEWALK	150	SY		\$
B17	SP	2-02	REMOVING CEMENT CONC. CURB AND GUTTER	830	LF		\$
B18	SP	2-02	REMOVE/ABANDON WATER SYSTEM	1	LS		\$
B19	SP	2-02	REMOVING SEWER PIPE	200	LF		\$
B20	SP	2-03	ROADWAY EXCAVATION INCL. HAUL	9100	CY		\$
B21	SP	2-03	UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	910	CY		\$
B22		2-03	SELECT BORROW INCL. HAUL	100	TON		\$
B23		2-03	EMBANKMENT COMPACTION	3400	CY		\$
B24		2-09	STRUCTURE EXCAVATION CL. B INCL. HAUL (SANITARY SEWER)	40	CY		\$
B25		2-09	STRUCTURE EXCAVATION CL. A INCL. HAUL (DETENTION TANK)	2710	CY		\$
B26		2-09	SHORING OR EXTRA EXCAVATION CL. A (DETENTION TANK)	1	LS		\$
B27		2-09	SHORING OR EXTRA EXCAVATION CL. B	7700	SF		\$
B28		2-12	CONSTRUCTION GEOTEXTILE FOR SEPARATION	270	SY		\$
B29		4-04	CRUSHED SURFACING TOP COURSE	830	TON		\$
B30		4-04	CRUSHED SURFACING BASE COURSE	1830	TON		\$
B31	SP	5-05	CEMENT CONC. PAVEMENT	5100	SY		\$
B32	SP	5-05	CONCRETE PAD	1	LS		\$
B33	SP	7-01	UNDERDRAIN PIPE 4 IN. DIAM.	450	LF		\$
B34	SP	7-01	DRAIN PIPE 4 IN. DIAM.	30	LF		\$
B35	SP	7-01	DRAIN PIPE 6 IN. DIAM.	260	LF		\$
B36	SP	7-01	CHANNEL DRAIN	40	LF		\$
B37	SP	7-04	LCPE STORM SEWER PIPE 12 IN. DIAM	950	LF		\$
B38	SP	7-04	LCPE STORM SEWER PIPE 18 IN. DIAM	50	LF		\$
B39	SP	7-04	DUCTILE IRON STORM SEWER PIPE 12 IN. DIAM	150	LF		\$
B40		7-04	TESTING STORM SEWER PIPE	1480	LF		\$
B41	SP	7-05	CATCH BASIN TYPE 1	5	EACH		\$
B42	SP	7-05	CATCH BASIN TYPE 2 48 IN. DIAM.	8	EACH		\$
B43	SP	7-05	SPILL CONTROL SEPARATOR	2	EACH		\$
B44	SP	7-05	STORMWATER DETENTION TANK FLOW CONTROL STRUCTURE	1	EACH		\$
B45	SP	7-05	STORMWATER TREATMENT VAULT 2	1	EACH		\$
B46	SP	7-05	STORMWATER TREATMENT VAULT 3	1	EACH		\$
B47	SP	7-05	STORMWATER DETENTION TANK	1	LS		\$
B48		7-05	MANHOLE 48 IN. DIAM. TYPE 1	1	EACH		\$
B49	SP	7-08	EXTRA EXCAVATION	48	CY		\$
B50	SP	7-08	FOUNDATION MATERIAL	50	CY		\$
B51		7-09	BLOWOFF ASSEMBLY, 2 IN. DIAM.	1	EACH		\$
B52	SP	7-09	D.I. PIPE FOR WATER MAIN 8 IN. DIAM.	225	LF		\$
B53		7-12	GATE VALVE 8 IN.	2	EACH		\$
B54		7-12	COMB. AIR RELEASE/AIR VACUUM VALVE ASSEMBLY 2 IN.	1	EACH		\$
B55	SP	7-14	HYDRANT ASSEMBLY	2	EACH		\$
B56	SP	7-14	NON-FREEZE DECK HYDRANT	1	EACH		\$
B57	SP	7-15	HDPE WATER SERVICE PIPE 2 IN. DIAM.	470	LF		\$
B58	SP	7-15	HDPE RECYCLED WATER SERVICE PIPE 1 IN. DIAM.	330	LF		\$
B59	SP	7-15	ADJUST WATER METER	2	EACH		\$
B60	SP	7-17	PVC SANITARY SEWER PIPE 8 IN. DIAM.	70	LF		\$

## Bid Set Schedule of Values

Project No. 234-2388-040

**Project Name**  
Silverdale Transit Center

**Location**  
Silverdale, WA

**Owner**  
Kitsap Transit

**Estimated By:**  
**Date:**

**Checked By:**  
**Date:**

ITEM NO.	STD/SP	SECTION	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
B61	SP	7-17	PVC SANITARY SEWER PIPE 6 IN. DIAM.	61	LF		\$
B62	SP	7-17	PVC SANITARY SEWER PIPE 4 IN. DIAM.	10	LF		\$
B63	SP	7-19	SEWER CLEANOUT	3	EACH		\$
B64		8-01	EROSION CONTROL AND WATER POLLUTION PREVENTION	1	LS		\$
B65		8-01	HIGH VISIBILITY FENCE	880	LF		\$
B66		8-01	SILT FENCE	2000	LF		\$
B67		8-01	EROSION CONTROL BLANKET (BIODEGRADABLE)	1749	SY		\$
B68	SP	8-02	SOIL AMENDMENT	6752	SY		\$
B69	SP	8-02	BARK OR WOOD CHIP MULCH	4494	SY		\$
B70		8-02	SEEDING FERTILIZING AND MULCHING	0.50	ACRE		\$
B71	SP	8-02	TOPSOIL TYPE A	1081	SY		\$
B72	SP	8-02	RIGID ROOT BARRIER - 24 IN.	1046	LF		\$
B73		8-02	PSIPE VINE MAPLE, 2 IN. CAL., B&B	3	EACH		\$
B74		8-02	PSIPE AUTUMN BRILLIANCE SERVICEBERRY, 3 IN. CAL., B&B	8	EACH		\$
B75		8-02	PSIPE EDDIES WHITE WONDER DOGWOOD, 2 IN. CAL., B&B	9	EACH		\$
B76		8-02	PSIPE VENUS DOGWOOD, 2 IN. CAL., B&B	4	EACH		\$
B77		8-02	PSIPE DESERT KING FIG, 6 FT. HT., B&B	4	EACH		\$
B78		8-02	PSIPE DOUGLAS-FIR, 10 FT. HT., B&B	37	EACH		\$
B79		8-02	PSIPE WESTERN SERVICEBERRY, NO. 2. CONT	84	EACH		\$
B80		8-02	PSIPE KINNIKINNICK, NO. 1. CONT	543	EACH		\$
B81		8-02	PSIPE WHITE ROCK ROSE, NO. 2. CONT	99	EACH		\$
B82		8-02	PSIPE SALAL, NO. 2. CONT	272	EACH		\$
B83		8-02	PSIPE OCEANSPRAY, NO. 2. CONT	84	EACH		\$
B84		8-02	PSIPE TALL OREGON GRAPE, NO. 2. CONT	255	EACH		\$
B85		8-02	PSIPE CREEPING OREGON GRAPE, NO. 1. CONT	695	EACH		\$
B86		8-02	PSIPE MOCK ORANGE, NO. 2. CONT	84	EACH		\$
B87		8-02	PSIPE WESTERN SWORD FERN, NO. 1. CONT	1270	EACH		\$
B88		8-02	PSIPE SHRUBBY CINQUEFOIL, NO. 2. CONT	220	EACH		\$
B89		8-02	PSIPE RED FLOWERING CURRANT, NO. 2. CONT	179	EACH		\$
B90		8-02	PSIPE SNOWBERRY, NO. 2. CONT	255	EACH		\$
B91		8-02	PSIPE BLUBERRY, NO. 5. CONT	9	EACH		\$
B92		8-02	PSIPE EVERGREEN HUCKLEBERRY, NO. 5. CONT	21	EACH		\$
B93		8-02	PSIPE DAVID'S VIBURNUM, NO. 2. CONT	99	EACH		\$
B94		8-02	PSIPE COMMON CAMAS, NO. 1. CONT	129	EACH		\$
B95		8-02	PSIPE PURPLE CONEFLOWER, NO. 1. CONT	675	EACH		\$
B96		8-02	PSIPE BEACH STRAWBERRY, NO. 1. CONT	557	EACH		\$
B97		8-02	PSIPE EVERSWEET STRAWBERRY, 6". CONT	31	EACH		\$
B98		8-02	PSIPE WHITE PINEBERRY, 6". CONT	22	EACH		\$
B99		8-02	PSIPE BLUE OAT GRASS, NO. 1. CONT	574	EACH		\$
B100		8-02	PSIPE EMERALD CARPET RASPBERRY, NO. 1. CONT	21	EACH		\$
B101		8-02	PSIPE BLACK-EYED SUSAN, NO. 1. CONT	671	EACH		\$
B102	SP	8-03	IRRIGATION SYSTEM	1	LS		\$
B103		8-04	CEMENT CONC. PEDESTRIAN CURB	930	LF		\$
B104	SP	8-04	CEMENT CONC. 6 IN. INTEGRAL CURB	2090	LF		\$
B105	SP	8-12	BLACK VINYL COATED CHAIN LINK FENCE TYPE 3 WITH SLATS	150	LF		\$
B106		8-14	CEMENT CONC. SIDEWALK	130	SY		\$
B107	SP	8-14	DECORATIVE CEMENT CONC. SIDEWALK	550	SY		\$
B108	SP	8-14	DECORATIVE CEMENT CONC. SIDEWALK WITH COLOR ADMIXTURE	930	SY		\$
B109		8-14	DETECTABLE WARNING SURFACE	850	SF		\$
B110		8-14	CEMENT CONC. CURB RAMP TYPE PERPENDICULAR B	3	EACH		\$
B111	SP	8-14	RIDGETOP BLVD PEDESTRIAN ACCESS	1	LS		\$
B112		8-14	CEMENT CONC. CURB RAMP TYPE PARALLEL B	2	EACH		\$
B113	SP	8-21	MONUMENT SIGN	1	EACH		\$
B114		8-22	PAINT LINE	35	LF		\$
B115	SP	8-22	PLASTIC CROSSWALK LINE - KITSAP TRANSIT	440	SF		\$
B116		8-22	PLASTIC TRAFFIC ARROW	8	EACH		\$
B117		8-22	PLASTIC TRAFFIC LETTER	4	EACH		\$
B118	SP	8-30	STRUCTURE EXCAVATION CLASS B INCL. HAUL FOR NATURAL GAS SERVICE TRENCH	50	CY		\$
B119	SP	8-30	CRUSHED SURFACING TOP COURSE FOR NATURAL GAS SERVICE TRENCH	40	TON		\$
B120	SP	8-30	SAND BEDDING FOR NATURAL GAS SERVICE TRENCH	10	CY		\$

## Bid Set Schedule of Values

Project No. 234-2388-040

**Project Name**  
Silverdale Transit Center

**Location**  
Silverdale, WA

**Owner**  
Kitsap Transit

**Estimated By:** \_\_\_\_\_ **Checked By:** \_\_\_\_\_  
**Date:** \_\_\_\_\_ **Date:** \_\_\_\_\_

ITEM NO.	STD/SP	SECTION	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
B121	SP	8-31	TRANSIT CENTER ELECTRICAL, NOT INCL. COMFORT STATION & CANOPY	1	LS		\$
B122	SP	8-31	COMFORT STATION AND CANOPY	1	LS		\$
B123	SP	8-31	COMFORT STATION AND CANOPY ELECTRICAL	1	LS		\$
B124	SP	8-32	FIELD OFFICE BUILDING	1	LS		\$

SUBTOTAL SCHEDULE B = \$

TOTAL SCHEDULE B = \$

TOTAL ALL BIDS = \$

**SECTION 01 40 00**  
**QUALITY REQUIREMENTS**

**PART 1 – GENERAL**

**1.01 RELATED DOCUMENTS**

- A. Drawings, Kitsap Transit Requirements, Standard Specifications, Special Provisions, and Technical Specifications apply to this section as applicable.
- B. Structural Drawings: See Structural Drawings for specific Special Testing.

**1.02 SUMMARY**

- A. Section includes administrative and procedural requirements for quality assurance and quality control.

~~B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.~~

~~1. Specific quality assurance and control requirements for individual construction activities are specified in the sections that specify those activities. Requirements in those sections may also cover production of standard products.~~

~~2. Specified tests, inspections, and related actions do not limit Contractor's other quality assurance and control procedures that facilitate compliance with the Contract Document requirements.~~

~~3. Requirements for Contractor to provide quality assurance and control services required by Engineer, Owner, Commissioning Authority, Construction Manager, or authorities having jurisdiction are not limited by provisions of this section.~~

~~C.B.~~        Related Requirements:

- 1. See Divisions 3, 5 through 13, 22, 23, 26, 28, and 40 sections for specific test and inspection requirements not listed herein.

**1.03 DEFINITIONS**

A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.

B. Quality-Control Services: ~~Tests, i~~nspections, procedures, and related actions during and after execution of the Work to evaluate that actual products incorporated into the Work and completed construction comply with requirements. Services do not include Contract enforcement activities performed by Engineer.



- C. Mockups: Full-size physical assemblies that are constructed on-site. Mockups are constructed to verify selections made under Sample submittals; to demonstrate aesthetic effects and, where indicated, qualities of materials and execution; to review coordination, testing, or operation; to show interface between dissimilar materials; and to demonstrate compliance with specified installation tolerances. Mockups are not Samples. Unless otherwise indicated, approved mockups establish the standard by which the Work will be judged.
1. Integrated Exterior Mockups: Mockups of the exterior envelope erected separately from the building but on Project site, consisting of multiple products, assemblies, and subassemblies, including roofing assemblies if required and decorative concrete.
  2. Room Mockups: Mockups of typical interior spaces complete with wall, floor, and ceiling finishes, doors, windows, millwork, casework, specialties, furnishings and equipment, and lighting.
- D. Preconstruction Testing: Tests and inspections performed specifically for Project before products and materials are incorporated into the Work, to verify performance or compliance with specified criteria.
- E. Product Testing: Tests and inspections that are performed by an Nationally Recognized Testing laboratory (NRTL), an National Voluntary Laboratory Accreditation Program (NVLAP), or a testing agency qualified to conduct product testing and acceptable to authorities having jurisdiction, to establish product performance and compliance with specified requirements.
- F. Source Quality-Control Testing: Tests and inspections that are performed at the source, e.g., plant, mill, factory, or shop.
- G. Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.
- H. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.
- I. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
1. Use of trade-specific terminology in referring to a trade or entity does not require that certain construction activities be performed by accredited or unionized individuals, or that requirements specified apply exclusively to specific trade(s).
- J. Experienced: When used with an entity or individual, “experienced” means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project, except where individual Specification sections have specific requires, in which case, the individual Specification section requirements shall govern; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

## 1.04 CONFLICTING REQUIREMENTS

- A. Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to Architect for a decision before proceeding.
- B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Architect for a decision before proceeding.

## 1.05 INFORMATIONAL SUBMITTALS

- A. Contractor's Quality-Control Plan: For quality-assurance and quality-control activities and responsibilities.
- B. Qualification Data: For Contractor's quality-control personnel.
- C. Contractor's Statement of Responsibility: When required by authorities having jurisdiction, submit copy of written statement of responsibility sent to authorities having jurisdiction before starting Work on the following systems:
  - 1. Seismic-force-resisting system, designated seismic system, or component listed in the designated seismic system quality-assurance plan prepared by Architect or Engineer.
  - 2. Main wind-force-resisting system or a wind-resisting component listed in the wind-force-resisting system quality-assurance plan prepared by Architect or Engineer.
- ~~D. Testing Agency Qualifications: For testing agencies specified in "Quality Assurance" Article 1.8G to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.~~
- ~~E. Schedule of Tests and Inspections: Refer to the special inspections shown on the Plans and prepare in tabular form and include the following:
  - 1. Specification section number and title.
  - 2. Entity responsible for performing tests and inspections.
  - 3. Description of test and inspection.
  - 4. Identification of applicable standards.
  - 5. Identification of test and inspection methods.
  - 6. Number of tests and inspections required.~~

~~7. Time schedule or time span for tests and inspections.~~

~~8. Requirements for obtaining samples.~~

~~9. Unique characteristics of each quality-control service.~~

## 1.06 CONTRACTOR'S QUALITY-CONTROL PLAN

- A. Quality-Control Plan, General: Submit quality-control plan within ten (10) days of Notice to Proceed, and not less than five (5) days prior to preconstruction conference. Submit in format acceptable to Architect. Identify personnel, procedures, controls, instructions, tests, records, and forms to be used to carry out Contractor's quality-assurance and quality-control responsibilities. Coordinate with Contractor's construction schedule.
- B. Quality-Control Personnel Qualifications: Engage qualified full-time personnel trained and experienced in managing and executing quality-assurance and quality-control procedures similar in nature and extent to those required for Project.
1. Project quality-control manager may also serve as Project Superintendent, as long as prior experience and roles/responsibilities align with this project scale and scope of work to be constructed.
- C. Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process. Indicate qualifications of personnel responsible for submittal review.
- ~~D. Testing and Inspection: In quality control plan, include a comprehensive schedule of Work requiring testing or inspection, including the following:~~
- ~~1. Contractor performed tests and inspections including Subcontractor performed tests and inspections. Include required tests and inspections and Contractor elected tests and inspections.~~
  - ~~2. Special inspections required by authorities having jurisdiction and indicated on the "Statement of Special Inspections" as shown in the Drawings.~~
- ~~E. Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring Work into compliance with standards of workmanship established by Contract requirements and approved mockups.~~
- ~~F. Monitoring and Documentation: Maintain testing and inspection reports including log of approved and rejected results. Include Work that Architect has indicated as nonconforming or defective. Indicate corrective actions taken to bring nonconforming Work into compliance with requirements. Comply with requirements of authorities having jurisdiction.~~

## 1.07 REPORTS AND DOCUMENTS

~~A. Test and Inspection Reports: Tests and inspection reports are to be submitted to Owner within 5 working days of the testing. Contractor will not receive payment for items of Work being tested until the testing is performed, reported, and accepted to the satisfaction of the Owner. Prepare and submit certified written reports specified in other sections. Include the following:~~

- ~~1. Date of issue.~~
- ~~2. Project title and number.~~
- ~~3. Name, address, and telephone number of testing agency.~~
- ~~4. Dates and locations of samples and tests or inspections.~~
- ~~5. Names of individuals making tests and inspections.~~
- ~~6. Description of the Work and test and inspection method.~~
- ~~7. Identification of product and Specification section.~~
- ~~8. Complete test or inspection data.~~
- ~~9. Test and inspection results and an interpretation of test results.~~
- ~~10. Record of temperature and weather conditions at time of sample taking and testing and inspecting.~~
- ~~11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.~~
- ~~12. Name and signature of laboratory Inspector.~~
- ~~13. Recommendations on retesting and re-inspecting.~~

B-A. \_\_\_\_\_ Manufacturer's Technical Representative's Field Reports: Prepare written information documenting manufacturer's technical representative's tests and inspections specified in other sections. Include the following:

1. Name, address, and telephone number of technical representative making report.
2. Statement on condition of substrates and their acceptability for installation of product.
3. Statement that products at Project site comply with requirements.
4. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
5. Results of operational and other tests and a statement of whether observed performance complies with requirements.

6. Statement whether conditions, products, and installation will affect warranty.
7. Other required items indicated in individual Specification sections.

**C-B.** \_\_\_\_\_ Factory-Authorized Service Representative's Reports: Prepare written information documenting manufacturer's factory-authorized service representative's tests and inspections specified in other sections. Include the following:

1. Name, address, and telephone number of factory-authorized service representative making report.
2. Statement that equipment complies with requirements.
3. Results of operational and other tests and a statement of whether observed performance complies with requirements.
4. Statement whether conditions, products, and installation will affect warranty.
5. Other required items indicated in individual Specification sections.

**D-C.** \_\_\_\_\_ Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

## **1.08 QUALITY ASSURANCE**

- A. General: Qualifications paragraphs in this Article establish the minimum qualification levels required; individual Specification sections specify additional requirements.
- B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- C. Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- D. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling Work similar in material, design, and extent to that indicated for this Project, whose Work has resulted in construction with a record of successful in-service performance.
- E. Professional Engineer Qualifications: A Professional Engineer (PE) who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or products that are similar in material, design, and extent to those indicated for this Project.

F. Specialists: Certain Specification sections require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for the activities indicated.

1. Requirements of authorities having jurisdiction shall supersede requirements for specialists.

~~G. Testing Agency Qualifications: An NRTL, an NVLAP, or an independent agency with the experience and capability to conduct testing and inspecting indicated, as documented according to ASTM E329; and with additional qualifications specified in individual sections; and, where required by authorities having jurisdiction, that is acceptable to authorities.~~

~~1. NRTL: A nationally recognized testing laboratory according to 29 CFR 1910.7.~~

~~2. NVLAP: A testing agency accredited according to NIST's National Voluntary Laboratory Accreditation Program.~~

H.G. Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

H.H. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

J.I. Preconstruction Testing: Where testing agency is indicated to perform preconstruction testing for compliance with specified requirements for performance and test methods, comply with the following:

1. Contractor responsibilities include the following:

- a. Provide test specimens representative of proposed products and construction.
- b. Submit specimens in a timely manner with sufficient time for testing and analyzing results to prevent delaying the Work.
- c. Provide sizes and configurations of test assemblies, mockups, and laboratory mockups to adequately demonstrate capability of products to comply with performance requirements.
- d. Build site-assembled test assemblies and mockups using installers who will perform same tasks for Project.
- e. Build laboratory mockups at testing facility using personnel, products, and methods of construction indicated for the completed Work.
- f. When testing is complete, remove test specimens, assemblies, and mockups; do not reuse products on Project.

2. Testing Agency Responsibilities: Submit a certified written report of each test, inspection, and similar quality-assurance service to Engineer, with copy to Contractor. Interpret tests and inspections and state in each report whether tested and inspected Work complies with or deviates from the Contract Documents.

K-J. Mockups: Before installing portions of the Work requiring mockups, build mockups for each form of construction and finish required to comply with the following requirements, using materials indicated for the completed Work:

1. Build mockups in location and of size indicated or, if not indicated, as directed by Engineer.
2. Notify Engineer seven (7) days in advance of dates and times when mockups will be constructed.
3. Employ supervisory personnel who will oversee mockup construction. Employ workers that will be employed during the construction at Project.
4. Demonstrate the proposed range of aesthetic effects and workmanship.
5. Obtain Architect's approval of mockups before starting Work, fabrication, or construction.
  - a. Allow seven (7) days for initial review and each re-review of each mockup.
6. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
7. Demolish and remove mockups when directed unless otherwise indicated.

L-K. Integrated Exterior Mockups: Construct integrated exterior mockup according to approved shop drawings. Coordinate installation of exterior envelope materials and products for which mockups are required in individual Specification sections, along with supporting materials.

M-L. Kitsap Transit, as Owner, or their representative, will may provide additional Quality Assurance testing to ensure that the quality of the materials and associated Work is compliant with the current building code, authorities having jurisdiction, Specifications, Contract Documents, and requirements of the appropriate jurisdiction. This additional independent testing will not relieve the Contractor from total responsibility for the quality and Contract compliance of every part of the Work.

~~1. Quality Assurance, Testing and Inspection Services Provided by Owner.~~

~~a. Kitsap Transit may retain the ongoing services of an Independent Testing and Inspection Agency.~~

~~b. The Owner may perform only the amount of testing necessary to provide Quality Assurance that the Contractor's Quality Control program is operating effectively, and the Work has been completed in accordance with the Contract Documents and the building code.~~

~~c. For the purpose of this Quality Assurance testing and inspection services section, all references made herein or in the Technical sections to Independent Testing Agency, testing laboratory shall be referred to as those tests or inspections which would be conducted by the Owner's Independent Testing and Inspection Agency.~~

~~d. The Independent Testing and Inspection Agency is not authorized to do the following:~~

- ~~1) Release, revoke, alter, enlarge or modify any Contract Document requirement.~~
- ~~2) Approve, accept or reject any portion of the Work, except as specified by the Engineer.~~
- ~~3) Perform any duties of the Contractor or Subcontractor.~~
- ~~4) Approve or authorize additional Work.~~
- ~~5) Advise or instruct the Contractor or Contractor's employees as to prosecution of the Work.~~
- ~~6) Stop Work.~~

~~e.a. \_\_\_\_\_ Access: The Contractor shall provide all necessary access to the Owner's Inspector, CA, and CT as needed. This may include providing, ladders, lifts, scaffolding and other means of access as determined necessary by the CA and no additional cost to the Owner.~~

## 1.09 QUALITY CONTROL

~~A. Contractor Responsibilities: Tests and inspections are entirely Contractor's responsibility. Perform additional quality control activities required to verify that the Work complies with requirements, whether specified or not.~~

- ~~1. Provide quality control services specified and those required by authorities having jurisdiction. Perform quality control services required of Contractor by authorities having jurisdiction, whether specified or not.~~
- ~~2. Engage a qualified testing agency to perform quality control services.
  - ~~a. Contractor shall not employ same entity engaged by Owner, unless agreed to in writing by Owner.~~~~
- ~~3. Notify testing agencies at least 48 hours in advance of time when Work that requires testing or inspecting will be performed.~~
- ~~4. Submit a certified written report, in duplicate, of each quality control service.~~
- ~~5. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility, at no additional expense to the Owner.~~
- ~~6. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.~~



B.A. \_\_\_\_\_ Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing as specified in Section 01 33 00, "Submittal Procedures."

C.B. \_\_\_\_\_ Manufacturer's Technical Services: Where indicated, engage a manufacturer's technical representative to observe and inspect the Work. Manufacturer's technical representative's services include participation in pre-installation conferences, examination of substrates and conditions, verification of materials, observation of Installer activities, inspection of completed portions of the Work, and submittal of written reports.

D.C. \_\_\_\_\_ Retesting/Re-inspecting: Provide quality-control services, including retesting and re-inspecting, for construction that replaced Work that failed to comply with the Contract Documents.

E.D. \_\_\_\_\_ Testing Agency Responsibilities: Cooperate with Engineer, and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.

1. Notify Engineer and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.
2. Determine the location from which test samples will be taken and in which in-situ tests are conducted.
3. Conduct and interpret tests and inspections and state in each report whether tested and inspected Work complies with or deviates from requirements.
4. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Contractor.
5. Do not release, revoke, alter, or increase the Contract Document requirements or approve or accept any portion of the Work.
6. Do not perform any duties of Contractor.

F.E. \_\_\_\_\_ Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:

1. Access to the Work.
2. Incidental labor and facilities necessary to facilitate tests and inspections.
3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
4. Facilities for storage and field curing of test samples.
5. Delivery of samples to testing agencies.

6. Preliminary design mix proposed for use for material mixes that require control by testing agency.
7. Security and protection for samples and for testing and inspecting equipment at Project site.

~~G.F.~~ Coordination: Coordinate sequence of activities to accommodate required quality-assurance and -control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.

1. Schedule times for tests, inspections, obtaining samples, and similar activities.

~~H. Schedule of Tests and Inspections: Prepare a schedule of tests, inspections, and similar quality control services required by the Contract Documents as a component of Contractor's quality control plan. Coordinate and submit concurrently with Contractor's construction schedule. Update as the Work progresses.~~

- ~~1. Distribution: Distribute schedule to Engineer, testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.~~

#### ~~1.10 SPECIAL TESTS AND INSPECTIONS~~

~~A. Special Tests and Inspections: Contractor shall engage a qualified testing agency and/or Special Inspector to conduct special tests and inspections required by authorities having jurisdiction.~~

- ~~1. Verifying that manufacturer maintains detailed fabrication and quality control procedures and reviews the completeness and adequacy of those procedures to perform the Work.~~
- ~~2. Notifying Engineer and Owner promptly of irregularities and deficiencies observed in the Work during performance of its services.~~
- ~~3. Submitting a certified written report of each test, inspection, and similar quality control service to Engineer with copy to Owner and to authorities having jurisdiction.~~
- ~~4. Submitting a final report of special tests and inspections at Substantial Completion, including a list of unresolved deficiencies.~~
- ~~5. Interpreting tests and inspections and stating in each report whether tested and inspected Work complies with or deviates from the Contract Documents.~~
- ~~6. Retesting and re-inspecting corrected Work.~~

## **PART 2 – PRODUCTS (NOT USED)**

## PART 3 – EXECUTION

### ~~3.01 CONTRACTOR'S SCHEDULE OF REQUIRED ACTIVITIES~~

#### ~~A. Structural Cast-In-Place Concrete:~~

- ~~1. General: Testing will be performed as required by International Building Code, as adopted by the agency having jurisdiction, and these Specifications. Tests and inspections may include, but not necessarily be limited to, the following:~~

#### ~~a. General:~~

- ~~1) Inspection of reinforcing steel and embedded items in place. Verify proper placement of reinforcing bars, fabric, and spirals prior to placement of concrete; check condition of surfaces of reinforcing and embedded items for bond integrity with concrete; verify placement locations, sizes and anchorage of all items embedded in concrete.~~
- ~~2) Concrete formwork including configuration, form and steel cleanliness. Inspect erected formwork for conformance with approved Drawings, for design and seal of form joints, and for type and location of form ties.~~
- ~~3) Reinforced concrete inspection and material testing shall be made in accordance the ACI 301 Chapter 16, Testing, and Chapter 17, Evaluation and Acceptance of Concrete, and appropriate ASTM Standards.~~

- ~~b. Test materials for compliance with Specifications. Review and check proposed mix designs. Conduct tests of concrete in accordance with the following procedures:~~

- ~~1) Sampling Fresh Concrete: ASTM C172, except modified for slump to comply with ASTM C94.~~
- ~~2) Slump: ASTM C143; one test for each concrete load at point of discharge; and one test for each set of compressive strength test specimens.~~
- ~~3) Air Content: ASTM C173; volumetric method and ASTM C21 pressure for normal weight concrete; one for each set of compressive strength test specimens.~~
- ~~4) Concrete Temperature: Test hourly when air temperature is 40 degrees F and below, and when 80 degrees F and above; and each time a set of compression test specimens made.~~
- ~~5) Compression Test Specimen: ASTM C31; one set of 6 standard cylinders for each compressive strength test, unless otherwise directed. Mold and store cylinders for laboratory cured test specimens except when field cured test specimens are required.~~

~~6) Compressive Strength Tests: ASTM C39; one set for each 100 CY or fraction thereof, of each concrete class placed in any one day or for each 5,000 SF of surface are placed; 2 specimens tested at 7 days, 1 specimen tested at 14 days, 2 specimens tested at 28 days, and one specimen retained in reserve for later testing if required.~~

~~a) When frequency of testing will provide less than 5 strength tests for a given class of concrete, conduct testing from at least 5 randomly selected batches or from each batch if fewer than 5 are used.~~

~~b) When total quantity of a given class of concrete is less than 50 CY, strength test may be waived by Owner if, in its judgment, adequate evidence of satisfactory strength is provided.~~

~~c) When strength of field-cured cylinders is less than 85 percent of companion laboratory-cured cylinders, evaluate current operations and provide corrective procedures for protecting and curing the in-place concrete.~~

~~d) Strength level of concrete will be considered satisfactory if averages of sets of three consecutive strength test results equal or exceed specified compressive strength, and no individual strength test result falls below specified compressive strength by more than 500 psi.~~

~~2. Test Results: Test results will be reported in writing and expedited to the agency having jurisdiction, Contractor, Architect, Engineer/Structural Engineer, and Owner. Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, name of concrete testing service, concrete type and class, location of concrete batch in Structure, design compressive strength at 28 days, concrete mix proportions and materials; compressive breaking strength and type of break for both 7-day tests and 28-day tests.~~

~~3. Additional Test: The testing service will make additional tests of in-place concrete, as directed by Owner, when test results indicate specified concrete strengths and other characteristics have not been attained in the Structure. Testing service may conduct tests to determine adequacy of concrete by cored cylinders complying with ASTM C42, or by other methods as directed. Contractor shall pay for such tests conducted, and any other additional testing as may be required, when unacceptable concrete is verified.~~

~~4. Patching: Where core test results are satisfactory, fill core holes with non-shrink patching grout to meet or exceed the strength of the adjoining concrete, and finish to match adjoining concrete surface.~~

#### ~~B. Welding:~~

~~1. Verify conformance with applicable sections of Division 5 and notes on Structural Drawings.~~

~~C. Structural Steel Framing and Fabrications:~~

- ~~1. General: Tests shall be performed as required by International Building Code, Section 306, as adopted by the jurisdiction having authority and these Specifications.~~
- ~~2. Shop Bolted Connections: Inspect in accordance with AISC Specifications.~~
- ~~3. Shop Welding: Inspect and test during fabrication of structural steel assemblies, as follows:~~
  - ~~a. Verify use of "Washington Association of Building Officials" (WABO) certified welders, and conduct inspections and tests as required. Record types and locations of defects found in Work. Record Work required and performed to correct deficiencies.~~
  - ~~b. Perform visual inspection of all welds including fillet welds.~~
  - ~~c. Perform tests of complete penetration welds as required by Technical Specifications as follows. Inspection procedures listed are to be used at Testing Laboratory's option.~~
    - ~~1) Radiographic Inspection: ASTM E94 and ASTM E142; minimum quality level "2-2T."~~
    - ~~2) Ultrasonic Inspection: ASTM E164.~~
- ~~4. Field Bolted Connections: Inspect in accordance with AISC Specifications.~~
- ~~5. Field Welding: Inspect and test during erection of structural steel as follows:~~
  - ~~a. Verify use of "Washington Association of Building Officials" (WABO) certified welders, and conduct inspections and tests as required. Record types and locations of defects found in Work. Record Work required and performed to correct deficiencies and submit copies of such reports to Contractor, Architect, Engineer and Owner.~~
  - ~~b. Perform visual inspection of all welds including fillet welds.~~
  - ~~c. Perform tests of welds as required by Technical Specifications as follows:~~
    - ~~1) Radiographic Inspection: ASTM E94 and ASTM E142; minimum quality level "2-2T."~~
    - ~~2) Ultrasonic Inspection: ASTM E164.~~
- ~~6. Testing Program Summary: Testing agency Special Inspector shall submit a summary of the proposed testing program for review and approval; submit directly to Contractor, Architect, Owner, Engineer/Structural Engineer and the jurisdiction having authority.~~

~~D. Metal Deck and Shear Studs:~~

- ~~1. General: Tests will be performed as required by International Building Code, as adopted by the jurisdiction having authority, and if required by specific technical specification sections.~~
- ~~2. Tests and Inspections: Will include, but not necessarily be limited to, the following:
  - ~~a. Provide inspection during welding as required. Inspection of welds shall be done visually, except as indicated otherwise.~~~~

~~E. Metal Joists:~~

- ~~1. If, after delivery, visual inspection indicates poor workmanship or materials, test joist as specified under Section 05 40 00, "Cold Formed Metal Framing."~~
- ~~2. Independent laboratory test costs to be borne by joist manufacturer if tests fail and paid by Contractor if tests meet specified Standards.~~

~~F. Structural Metal and Light Gauge Framing:~~

- ~~1. Inspection at jobsite as required during high tensile bolting and welding to ensure Specification and Building Code compliance.~~

~~G. Joint Sealants:~~

- ~~1. Field-adhesion testing shall be performed per Section 07 92 00, "Joint Sealants."~~

~~H. Metal Framing Systems:~~

- ~~1. Prior to installation of gypsum board ceilings, Architect will conduct an above ceiling observation, and report observed deficiencies in framing work per Section 05 40 00, "Cold Formed Metal Framing".~~

~~I. Roofing and Waterproof Membranes:~~

- ~~1. Inspect approved substrates for application of water proofing and roofing materials; inspect all joints and flashings.~~
- ~~2. Furnish continuous (full time) inspection during application of waterproofing and roofing materials, including roofing related sheet metal flashings and counter flashings.~~

~~J. Miscellaneous:~~

- ~~1. General: Provide other special inspections required by International Building Code as adopted by the agency having jurisdiction for structural or other Work, or requested by Owner.~~
- ~~2. Additional testing Services: Additional testing, if any, which may be performed by the Contractor's independent testing agency, are specified elsewhere in Contract Documents.~~

### 3.023.01 SPECIAL INSPECTIONS AT THE OWNER'S OPTION

A. The Owner reserves the right to request supplemental/additional Special Inspections at any time and as often as the Owner deems necessary. Special Inspections may include, but not be limited to the following:

1. Metal wall panels.
2. TPO Roofing
3. Paint and High Performance Coatings.
4. Structural Cast-in-Place Concrete
5. Welding
6. Structural Steel Framing and Fabrications
7. Metal Deck and Shear Studs
8. Metal Joists
9. Structural Metal and Light Gauge Framing
10. Joint Sealants
11. Metal Framing Systems
- 3.12. Roofing and Waterproof Membranes

### ~~3.03~~ ~~CONTRACTOR'S TEST AND INSPECTION LOG~~

~~A. Test and Inspection Log: Prepare a record of tests and inspections. Include the following:~~

- ~~1. Date test or inspection was conducted.~~
- ~~2. Description of the Work tested or inspected.~~
- ~~3. Date test or inspection results were transmitted to Architect.~~
- ~~4. Identification of testing agency or Special Inspector conducting test or inspection.~~

~~B. Maintain log at Project site. Post changes and revisions as they occur. Provide access to test and inspection log for Engineer's reference during normal working hours.~~

### 3.043.02 CONTRACTOR'S REPAIR AND PROTECTION

A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.

1. Provide materials and comply with installation requirements specified in other Specification sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible. Comply with the Contract Document requirements for cutting and patching in Section 01 73 00, "Execution."
- B. Protect construction exposed by or for quality-control service activities.
- C. Repair and protection are Contractor's responsibility.

**END OF SECTION**



**SECTION 07 46 13  
EXTERIOR SOFFITS**

**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Section Includes:
  - 1. Exterior fiber reinforced board soffits
  - 2. Fasteners and accessories.

**1.02 RELATED REQUIREMENTS:**

- A. Section 05 40 00 - Cold-Formed Metal Framing
- B. Section 07 62 00 - Sheet Metal Flashing and Trim
- C. Section 07 92 00 - Joint Sealants

**1.03 REFERENCE STANDARDS**

- A. Reference Standards: Current edition at date of Bid.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2010b.
- C. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014, with Errata(2016).
- D. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.1; 2016, with Errata (2017).
- E. AWS A2.4 - Architectural Woodwork Standards, Installation Handbook; 2009
- F. WCLIB (GR): West Coast Lumber Inspection Bureau: No. 16, Standard Grading and Dressing Rules for West Coast Lumber
- G. Western Wood Products Association (WWPA)
  - 1. WWPA G-5 Western Lumber Product Use Manual, Revised Aug. 2008
  - 2. WWPA TG-8-Natural Wood Siding: Technical Guide.

**1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Coordinate with Sections 05 40 00 - Cold-Formed Metal Framing and 06 10 00 -Rough Carpentry for stud or other solid bearing members at fastening points.

## 1.05 SUBMITTALS

- A. Submit under provisions of Section 01 33 00 - Submittal Procedures.
- B. Product Data: Indicate materials, sizes, profiles, surface textures, fastening methods, and accessories.
- C. Samples: Two samples of soffit illustrating actual product to be installed for approval.

## 1.06 QUALITY ASSURANCE

- A. Provide material in accordance with WCLIB or WWPA grading rules and standard patterns.

## 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Conform to provisions of Section 01 60 00 - Product Requirements and WWPA instructions.
- B. Store off the ground, under cover, and well ventilated.
- C. Protect from dirt, dampness, and damage.

## PART 2 - PRODUCTS

### 2.01 SOFFIT MATERIALS

- A. Soffit Boards:
  - 1. Fiber Reinforced Boards: Subject to compliance with contract requirements, provide products by one of the manufacturers matching the following material descriptions:
    - a. Basis of Design: Resysta North America, Inc.: Product, Resysta Decking; [www.resysta.us](http://www.resysta.us). (909) 465-1000 13771 Roswell Avenue, Suite H, Chino, California 91710.
    - b. [Azek Building Products, Inc; AZEK Decking; Landmark Collection: www.azek.com/#sle.](http://www.azek.com/#sle)
    - c. [CertainTeed, Inc; EverNew Vinyl Decking: www.certainteed.com/#sle.](http://www.certainteed.com/#sle)
    - d. [VEKA, Inc; VEKAdeck: www.vekainc.com/#sle.](http://www.vekainc.com/#sle)
    - e. [Wolf Home Products; Wolf Serenity Decking: www.wolfhomeproducts.com.com/#sle.](http://www.wolfhomeproducts.com.com/#sle)
    - f. Or approved equal.
    - g. Substitutions: See Section 01 60 00 - Product Requirements.
  - 2. Material: Fiber reinforced hybrid soffit boards shall be an extruded composite ~~consisting of a proprietary blend of approximately 60% rice husks, 22% common salt and 18% mineral oil.~~
    - a. Fiber reinforced hybrid siding shall be workable, sandable and stainable similar to normal wood products.

b. Recycled content: 60 percent minimum.

3. ~~Board Siding: RESCP120412.~~

4. Size: ~~0.51 inches (13 mm) thick~~, 5.04 inches (128 mm) ~~high~~ nominal board with 1/4-inch (6 mm) interlocking shiplap.

5. Maximum Span: 24 inches.

6. Profile: Flat face with ~~ribbed back and~~ grooved shiplap edge.

7. Surface Texture: Sanded.

8. Trim: Match finish and appearance of adjacent soffit boards.

## 2.02 FASTENERS

A. Nails: Galvanized or corrosion resistant, spiral shank or ring shank, blunt or diamond point, size as necessary for minimum penetration of 1-1/4 inch into combined sheathing and solid framing.

1. Blind Nailing: Casing Nails.

2. Face Nailing: Siding Nails or Common (Box) Nails

## 2.03 ACCESSORIES

A. Metal Flashings: As specified Section 07 62 00 - Sheet Metal Flashing and Trim.

B. Joint Sealer: Paintable, as specified Section 07 92 00 - Joint Sealants.

## 2.04 FINISHES

A. Soffit Boards and Trim:

1. Stain and Sealer: Selected by Architect from manufacturer's standard glaze colors.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

A. Verify conditions ready to receive work of this Section before beginning.

### 3.02 PREPARATION

A. Pre-finish: Re-finish damaged areas at faces, sides, edges, and ends of siding boards

B. Spot finish cut soffit board joints before installing. Sand cut edges smooth and clean.

C. Metal Flashings:

1. Install under provisions of Section 07 62 00 - Sheet Metal Flashing and Trim.

### **3.03 INSTALLATION**

- A. Install siding in accordance with manufacturer's instructions.
  - 1. Preplan cuts to allow for expansion gaps at inside and outside corners.
  - 2. Provide joint gaps as indicated on Drawings. Typical joint width is approximately 3/8 inch.
- B. Position end joints over vertical furring strips.
- C. Leave 1/8 inch gap between siding joints, trim, and other construction.
- D. Install boards in longest possible lengths with no board less than 4 foot long over a single run.
- E. Install corner trim boards full length of run from soffit to bottom of siding.
- F. Miter end joints at 45 degree angle and butt tight.
- G. Stagger end joints to avoid alignment for minimum of 4 adjacent boards over face of wall.
  - 1. Maintain minimum 24 inch offset between adjacent courses.
  - 2. Maintain minimum 24 inch overall offset of joints within each three courses.

### **3.04 NAILING**

- A. Arrange for orderly nailing pattern. Blind nail except on overlapping trim
- B. Where pneumatic gun nailing is used , set gun so that nail head is not fully set but projects from siding. Set nail flush with siding using nail punch or hammer with hammer cap.
- C. Avoid visible nail patterns and pullout marks.

### **3.05 JOINT SEALANT**

- A. Install joint sealant at joints at trim, around penetrations, and other construction joints with paintable joint sealant and backer as specified in Section 07 92 00.

### **3.06 INSTALLATION TOLERANCES:**

- A. Install plumb with 1/4 inch tolerance in 10 feet.

### **3.07 ADJUSTING**

- A. Repair or replace damaged siding and installations not meeting specified tolerances.
- B. Touch-up finish with same product as specified in Section 09 90 00.

**3.08 CLEANING**

- A. Leave installations clean, premises free from residue of work of this Section.

**END OF SECTION**