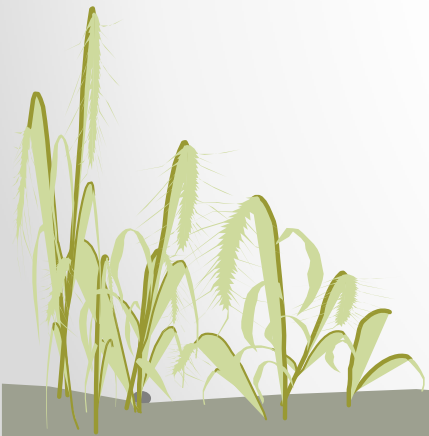


Material Acceptance Report



Material Acceptance Report

- Generated by the Office of Materials and is distributed for every contract by the District Materials Office
- Unique to every contract and the items that will be used on the project site
- Shows information for all materials that may be incorporated into each individual item on the contract



Material Acceptance Report

Project Number	Accounting ID	PCN	Contractor	
NHSX-032-1(41)--3H-31	34755	31-0321-041	JIM SCHROEDER CONSTRUCTION, II	
Line No	Item	Description	Unit	Quantity
0010	2104-2710020	EXCAVATION, CL 10, CHANNEL	CY	3,893.000
Line No	Item	Description	Unit	Quantity
0020	2402-2720000	EXCAVATION, CL 20	CY	407.000
Line No	Item	Description	Unit	Quantity
0030	2402-2721000	EXCAVATION, CL 21	CY	284.000
Line No	Item	Description	Unit	Quantity
0040	2402-2722000	EXCAVATION, CL 22	CY	140.000



Material Acceptance Report

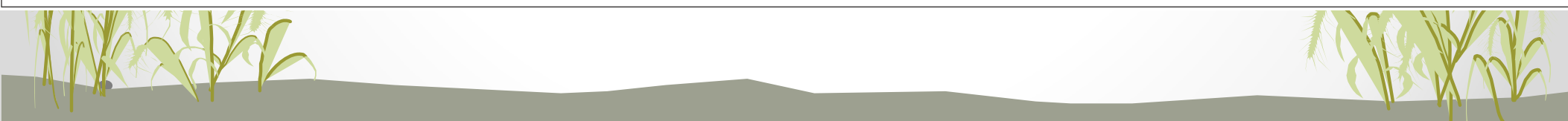
Line No	Item	Description	Unit	Quantity
0050	2403-0100010	STRUCT CONC (BRIDGE)	CY	226.500
Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
PORTLAND CEMENT	4101	401	DME	Approved Source
			1/100,000 sy	Certification Document
			paving	Test Report by Central
			RCE	Lab
Comments:			CONTRACTOR	
1/1000 cy structures, 10 lb sample, Certified Truck Ticket				



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
ADMIXTURES, AIR ENTRAINING	4103.01A	403	DME	Approved Brand
			1/project	Approved Lot
			RCE	
Comments:			CONTRACTOR	

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
ADMIXTURES, NORMAL WATER REDUCING	4103.01B	403	DME	Approved Brand
			1/project	Approved Lot
			RCE	
Comments:			CONTRACTOR	



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
CURING COMPOUNDS, WHITE	4105	405	DME	Approved Lot
			1 Quart/batch	
			RCE	
			CONTRACTOR	
Source sample each batch # for white (contact DME), All others approved source				

Comments:



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
FLY ASH	4108	491.17	DME	Approved Source
			1/100,000 sy	Certification Document
			paving	Test Report by Central
			RCE	Lab
Comments:				
			CONTRACTOR	
15 lb sample, Certified Truck Ticket - Sample for paving only				



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
FINE AGGREGATE FOR CONCRETE, STRUCTURES	4110	209	DME	Certification Document
	4109.02	T203		Test Report by
			RCE	Contractor
			1/wk	Test by RCE
			CONTRACTOR	Approved Source
			1/lot	

Comments:

Certified Truck Ticket or other cert per IM 209, RCE test 1st day + 20%, Bridge Decks RCE sample and test 1 per deck pour

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
COARSE AGGREGATE FOR CONCRETE, STRUCTURES	4115	209	DME	Certification Document
	4109.02	T203	1/1000 cy	Test Report by
			RCE	Contractor
			1/wk	Test by RCE
			CONTRACTOR	Approved Source
			1/lot	

Comments:

Certified Truck Ticket or other cert per IM 209, RCE test 1st day + 20%, Bridge Decks RCE sample and test 1 per deck pour

Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
READY MIX CONCRETE FOR STRUCTURES	2403	528	DME	Test by RCE
Comments:			RCE	
			1/30 cy air & slump	
			CONTRACTOR	
Min. 1/pour air & slump. 2 beams/placement if required per 2403.18 and 2403.19				



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
HARDENED CONCRETE FOR BRIDGE DECKS	2413	528	DME	Test Report by Contractor
	2412		10% min. smoothness	
	2317		RCE	Test Report by District Materials
Comments:			CONTRACTOR	
			100%	
			smoothness	



Material Acceptance Report

Line No	Item	Description	Unit	Quantity
0060	2403-7000210	HIGH PERFORMANCE STRUC CONC	CY	447.400
Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
PORTLAND CEMENT	4101	401	DME	Approved Source
			1/100,000 sy	Certification Document
			paving	Test Report by Central
			RCE	Lab
Comments:				
1/1000 cy structures, 10 lb sample, Certified Truck Ticket				



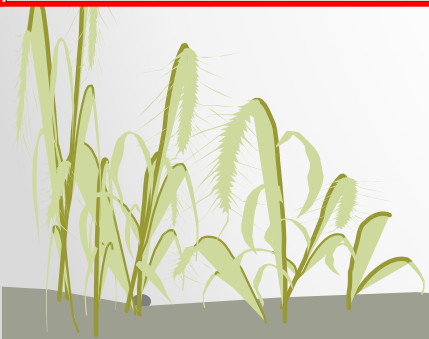
Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
WATER FOR CONCRETE AND MORTAR	4102		DME	Test Report by Central Lab
			1-Quart per source	
Comments:			RCE	
			CONTRACTOR	
Sample only if not city water source				

All other materials for this item should have the same sampling and testing requirements as needed for Item 0050 Structural Concrete (Bridge).

Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
HIGH PERFORMANCE STRUCTURAL CONCRETE	DS	528	DME	Test Report by District Materials
			4 cylinders deck	Test Report by Central Lab
Comments:			RCE	
			Air & Slump 1/30 yd3	
			CONTRACTOR	
DME -3 cylinders for strength testing & 1 cylinder for permeability testing				



Material Acceptance Report

Line No	Item	Description	Unit	Quantity
0070	2404-7775000	REINFORC STEEL	LB	34,025.000
Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
STEEL REINFORCEMENT, APPROVED SUPPLIER	4151	451	DME	Approved Source
		107	1 per project/45 t or more	Steel Mill Certifications
Comments:			RCE	
			CONTRACTOR	

BUY AMERICA GROUP 1

Materials IM 107 BUY AMERICA

Group 1 indicate the fabricator/supplier will be required to provide mill test reports with shipments to the project.



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
DOWELS - ALL TYPES			DME	Approved Source
			1 per project	Certification Document
			per year	
Comments:			RCE	
			CONTRACTOR	

BUY AMERICA GROUP 1

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
REINFORCEMENT CHAIRS	4151	451.01	DME	Approved Source
				Visual Approval by RCE
			RCE	
Comments:			CONTRACTOR	

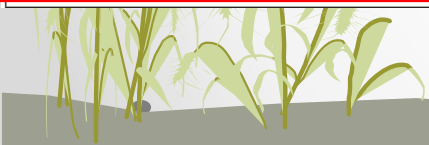


Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
STEEL MESH REINFORCEMENT	4151.04	451	DME	Approved Source
		107	1 Sample per year	Steel Mill Certifications
Comments:			RCE	
			CONTRACTOR	

2 Ft. X 2 Ft. Sample BUY AMERICA GROUP 1

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
STEEL REINFORCEMENT SUPPORTS	4151	451.01	DME	Approved Source
				Visual Approval by RCE
Comments:			RCE	
			CONTRACTOR	



Material Acceptance Report

Line No	Item	Description	Unit	Quantity
0080	2404-7775005	REINFORC STEEL, EPOXY COATED	LB	82,132.000

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
STEEL REINFORCEMENT, EPOXY COATED			DME	Approved Source
Comments:			6-ft largest size - Structures	Steel Mill Certifications
			RCE	Epoxy Certification
				Test Report by Central Lab
			CONTRACTOR	

S&T by Central-Structures only, (Paving (AS), steel & epoxy cert) BUY AMERICA GROUP 1
--



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
EPOXY DOWELS	4151.02B		DME	Approved Source
			RCE	Certification Document
Comments:			CONTRACTOR	

BUY AMERICA GROUP 1

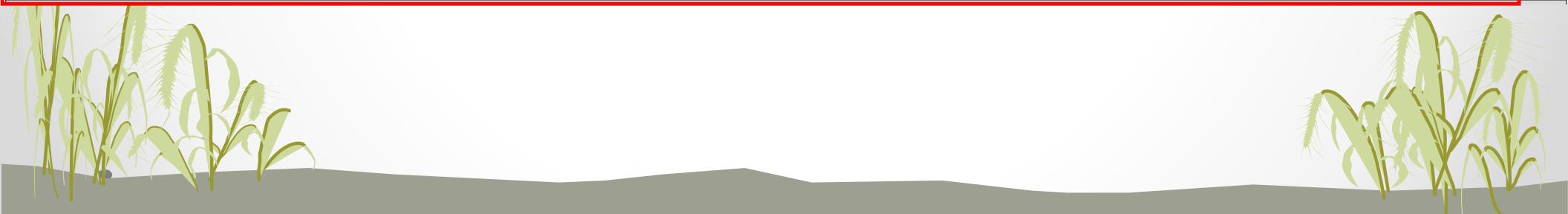
Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
STEEL REINFORCEMENT, MECHANICAL SPLICES	4151	451	DME	Approved Source
		107	RCE	Certification Document
Comments:			2/100 Include reinforcing bar.	Epoxy Certification
			CONTRACTOR	Steel Mill Certifications

Epoxy cert required only for epoxy rebar splices. BUY AMERICA GROUP 1



Material Acceptance Report

Line No	Item	Description	Unit	Quantity
0090	2404-7775009	REINF STEEL, STAINLESS STEEL	LB	3,695.000
Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
STEEL REINFORCEMENT, STAINLESS	4151	452	DME	Approved Source
		107	1/project	Steel Mill
			RCE	Certifications
Comments:			CONTRACTOR	
BUY AMERICA GROUP 1				



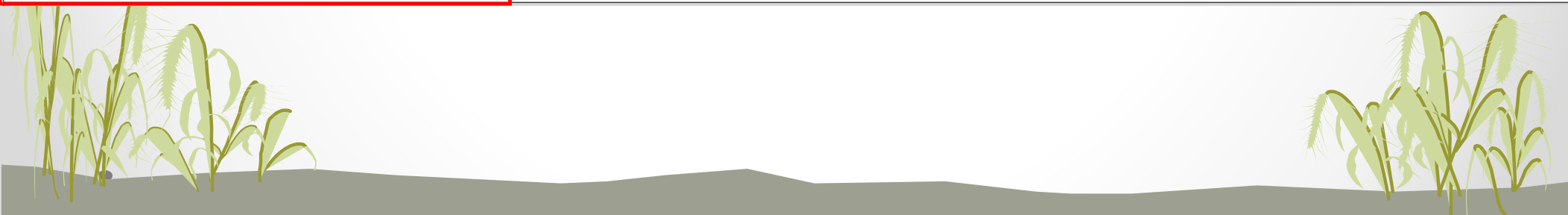
Material Acceptance Report

Line No	Item	Description	Unit	Quantity
0100	2408-7800000	STRUCTURAL STEEL	LB	310,230.000
Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
STRUCTURAL STEEL, APPROVED FABRICATOR ADVANCED BRIDGE	4152.02	557	DME	Approved Source
		561		Approved Shop Drawings
		565	RCE	Fabrication Report
			CONTRACTOR	Steel Mill Certifications
Comments:				Certification Document
IM 107 - BUY AMERICA GROUP 1				



Material Acceptance Report

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
WELDED STEEL PIPE	4153.05		DME	Approved Source
				Certification Document
			RCE	Inspection Report
Comments:			CONTRACTOR	
Letter of Compliance				



Material Acceptance Report

Line No	Item	Description	Unit	Quantity
0110	2413-1200000	STEEL EXTRUSION JOINT W/NEOPRENE	LF	83.000
Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
JOINT SEAL, STEEL EXTRUSION WITH NEOPRENE	2412		DME	Aproved Shop Drawings
				Fabrication Report
			RCE	
			CONTRACTOR	
Comments:				

Line No	Item	Description	Unit	Quantity
0120	2413-1200100	NEOPRENE GLAND INSTALLATION + TESTING	LF	83.000
Line No	Item	Description	Unit	Quantity

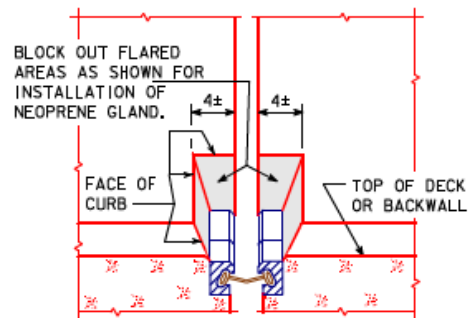


No Field Sampling or Testing required

Material Acceptance Report

Estimate Reference Information for Item 0120 from Project Plans

12 INCLUDES INSTALLATION OF NEOPRENE GLAND AND WATER TESTING OF THE JOINT.



BLOCKOUT DETAIL

TABLE OF APPROVED EXPANSION DEVICES				
MANUFACTURER	TYPE OF STEEL EXTRUSION	NEOPRENE GLAND	MINIMUM OPENING FOR GLAND INSTALLATION	CORRESPONDING MAXIMUM DECK TEMPERATURE
WATSON-BOWMAN & ACME CORP.	A	SE-300	1½"	90° F.
D.S. BROWN CO.	SSA2	A2R-400	2"	90° F.
APPROVED EQUAL				

Material Acceptance Report

NEOPRENE GLAND NOTES:

THE NEOPRENE GLAND IS TO BE PLACED AS ONE CONTINUOUS PIECE FROM END TO END OF THE STEEL EXTRUSION.

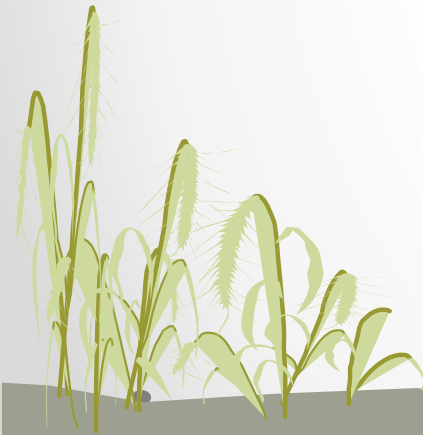
THE NEOPRENE GLAND SHALL CONFORM TO ASTM-2628 MODIFIED TO EXCLUDE RECOVER TEST AND COMPRESSION SET.

THE CONTRACTOR SHALL INSTALL THE GLAND ABOVE THE MINIMUM TEMPERATURE OF 45° AND THE MINIMUM JOINT OPENING AND CORRESPONDING MAXIMUM DECK TEMPERATURE SHOWN IN THESE PLANS. THE DECK TEMPERATURE SHALL BE MEASURED BY RECORDING THE SURFACE TEMPERATURES ON THE UNDERSIDE OF THE DECK ADJACENT TO THE JOINTS. IF THE DECK TEMPERATURE DOES NOT FALL WITHIN THE SPECIFIED TEMPERATURE RANGE BEFORE THE CONTRACTOR HAS COMPLETED ALL OTHER REQUIRED WORK, IT WILL BE NECESSARY FOR THE CONTRACTOR TO RETURN TO THE PROJECT SITE TO COMPLETE INSTALLATION AND TESTING OF THE NEOPRENE GLAND. IF THE CONTRACTOR IS REQUIRED TO RETURN TO THE PROJECT SITE AFTER ALL OTHER REQUIRED WORK HAS BEEN COMPLETED, THE CONTRACTOR SHALL COMPLETE INSTALLATION AND TESTING OF NEOPRENE GLAND AT NO EXTRA CHARGE TO THE STATE.

THE NUMBER OF FEET OF NEOPRENE GLAND INSTALLED SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT BASED ON PLAN QUANTITIES. THE PRICE FOR "NEOPRENE GLAND INSTALLATION AND TESTING" SHALL BE FULL COMPENSATION FOR INSTALLING AND TESTING OF THE NEW NEOPRENE GLAND. THIS WORK WILL CONSIST OF CLEANING THE EXTRUSION, INSTALLATION OF THE NEOPRENE GLAND AND WATER TIGHT TESTING OF THE EXPANSION JOINT SYSTEM. ALL WORK AND MATERIALS NECESSARY FOR THE INSTALLATION OF THE NEOPRENE GLAND SHALL COMPLY WITH THE RECOMMENDATIONS OF THE EXPANSION JOINT MANUFACTURER. THE PRICE BID FOR "NEOPRENE GLAND INSTALLATION AND TESTING" SHALL INCLUDE ALL WATERTIGHT INTEGRITY TESTING, LEAK REPAIRS AS DIRECTED BY THE ENGINEER, AND SUBSEQUENT WATERTIGHT TESTING UNTIL A LEAK FREE INSTALLATION IS ACHIEVED.

Method of
Measurement

Basis of Payment



Material Acceptance Report



WATERTIGHT INTEGRITY TESTING AND REPAIR NOTES:

AFTER INSTALLATION OF EACH NEOPRENE GLAND, THE CONTRACTOR SHALL PERFORM WATERTIGHT INTEGRITY TESTS AT THE DECK LEVEL TO DETECT ANY LEAKAGE. THE TESTS ARE TO CHECK FOR LEAKAGE AT THE UPTURNED ENDS OF THE EXPANSION DEVICE AND FOR LEAKAGE ALONG THE EXPANSION DEVICE ACROSS THE DECK AND ANY MEDIANS OR SIDEWALKS. THE CONTRACTOR MAY CONDUCT A SINGLE TEST OF THE ENTIRE DEVICE INCLUDING UPTURNED ENDS OR MAY CONDUCT SEPARATE TESTS OF UPTURNED ENDS AND ONE OR MORE TESTS OF OVERLAPPING LENGTHS BETWEEN THE UPTURNED ENDS.

AT EACH UPTURNED END OF THE EXPANSION DEVICE, THE CONTRACTOR SHALL BLOCK OUT ON THE DECK AT LEAST 3 FEET OF THE EXPANSION DEVICE LEADING TO THE UPTURNED END AND FLOOD THE AREA. A MINIMUM WATER DEPTH OF 3" SHALL BE MAINTAINED AT THE GUTTERLINE FOR AT LEAST 30 MINUTES. DURING THE TEST, THE INSPECTOR SHALL OBSERVE FOR ANY OVERFLOW AT THE UPTURNED END. AT THE CONCLUSION OF THE TEST THE INSPECTOR WILL EXAMINE THE UNDERSIDE OF THE JOINT FOR LEAKAGE. THE EXPANSION DEVICE IS CONSIDERED WATERTIGHT IF THE INSPECTOR OBSERVES NO OVERFLOW DURING THE TEST AND IF NO DRIPPING WATER OR WATER DROPLETS ARE VISIBLE IN THE UNDERDECK AREAS NEAR THE UPTURNED END.

THE CONTRACTOR SHALL TEST THE EXPANSION DEVICE BETWEEN UPTURNED ENDS BY BLOCKING OUT AND COVERING THE DEVICE WITH PONDED OR FLOWING WATER TO A DEPTH OF AT LEAST 1" AT ALL POINTS, FOR AT LEAST 30 MINUTES. VERTICAL CURB SURFACES MAY BE TESTED WITH AN UNNOZZLED HOSE DELIVERING APPROXIMATELY ONE GALLON PER MINUTE DIRECTED TO FLOW OVER THE ENTIRE CURB HEIGHT FOR 30 MINUTES. AT THE CONCLUSION OF THE TEST, THE INSPECTOR WILL EXAMINE THE UNDERSIDE OF THE JOINT FOR LEAKAGE. THE EXPANSION DEVICE IS CONSIDERED WATERTIGHT IF NO DRIPPING WATER OR WATER DROPLETS ARE VISIBLE IN THE UNDERDECK AREAS ALONG THE FULL LENGTH OF THE EXPANSION JOINT. DAMP CONCRETE THAT DOES NOT SHOW DRIPPING WATER OR WATER DROPLETS IS NOT CONSIDERED A SIGN OF LEAKAGE.

IF THE EXPANSION DEVICE LEAKS AT AN UPTURNED END OR ALONG ITS LENGTH, THE CONTRACTOR SHALL LOCATE THE LEAK(S) AND TAKE REPAIR MEASURES TO STOP THE LEAKAGE. THE REPAIR MEASURES SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING CORRECTIVE WORK.

IF MEASURES TO ELIMINATE LEAKAGE ARE TAKEN, THE CONTRACTOR SHALL PERFORM SUBSEQUENT WATERTIGHT INTEGRITY TESTS SUBJECT TO THE SAME CONDITIONS AS THE ORIGINAL TEST.

Material Acceptance Report

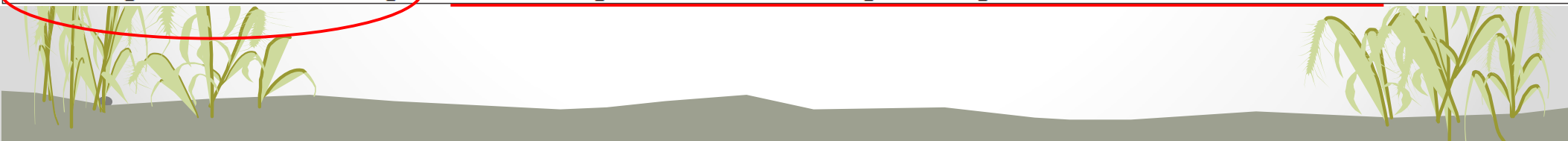
Line No	Item	Description	Unit	Quantity
0050	2403-0100010	STRUCT CONC (BRIDGE)	CY	226.500

Line No	Item	Description	Unit	Quantity
0130	2414-6424110	CONC BARRIER RAIL	LF	586.000

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
READY MIX CONCRETE FOR STRUCTURES	2403	528	DME	Test by RCE
			RCE	
			1/30 cy air & slump	
			CONTRACTOR	

Comments:

Min. 1/pour air & slump. 2 beams/placement if required per 2403.18 and 2403.19



Material Acceptance Report

Line No	Item	Description	Unit	Quantity
0230	2122-5190501	PAVED SHLD, PCC (PANEL-BRIDGE END DRAIN)	SY	25.000

Line No	Item	Description	Unit	Quantity
0250	2301-0690203	BRIDGE APPROACH, BR-203	SY	477.200

Material Desc	Spec No	IM	Sample Freq	Basis of Acceptance
READY MIX CONCRETE FOR PAVING	2301.02	527	DME	Test by RCE
			RCE	
			1/100 cy air	
			CONTRACTOR	

Comments:

Min. 1 test/pour. Slump test 1/100 cy for hand finish or fixed form only. Beams 2/day by RCE if not using maturity.

