



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

November 05, 2025

Addendum No. 1

RE: Contract # C205118

WBS # 44856.3.24

FEDERAL-AID NO. HSIP-2042(002)

Mecklenburg County (W-5710X)

SR-2042 (OAKDALE RD), SR-2108 (SUNSET RD), SR-2025 (MIRANDA RD),
AND SR-2040 (LAWING RD)

November 18, 2025 Letting

To Whom It May Concern:

Reference is made to the proposal furnished to you on this project.

The following revisions have been made to the proposal.

Page No.	Revision
Proposal Cover	Note added that reads “Includes Addendum No. 1 Dated 11-05-2025”.
EC-12 thru EC-15 EC-16 DELETED	The Unit Project Special Provision entitled EROSION CONTROL has been revised. The provision IMPERVIOUS DIKE has been deleted.

Please void the above listed Pages in your proposal and staple the revised Pages thereto.
Delete Page EC-16 from your proposal.

On the item sheets the following pay item revisions have been made:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0141-6038000000-E SP	PERMANENT SOIL REINFORCEMENT MAT TYPE 3	20 SY	DELETED

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0155- 6111000000-E SP	IMPERVIOUS DIKE	50 LF	DELETED
0162-6141000000-E SP	PERMANENT SOIL REINFORCEMENT MAT, TYPE 3	NEW ITEM	20 SY

The Contractor's bid must include these pay item revisions.

The electronic bidding file has been updated to reflect these revisions. Please download the Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

Signed by:

52C46046381F443...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/jjr
Attachments

cc: Mr. Wiley W. Jones III, PE
Mr. Felix A. Obregon, PE
Mr. Ken Kennedy, PE
Mr. Malcolm Bell
Mr. Forrest Dungan, PE
Ms. Jaci Kincaid
Mr. Jon Weathersbee, PE
Project File (2)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No.1 DATED 11-05-2025

DATE AND TIME OF BID OPENING: **Nov 18, 2025 AT 02:00 PM**

CONTRACT ID C205118
WBS 44856.3.24

FEDERAL-AID NO. HSIP-2042(002)
COUNTY MECKLENBURG
T.I.P NO. W-5710X
MILES 0.286
ROUTE NO.
LOCATION SR-2042 (OAKDALE RD), SR-2108 (SUNSET RD), SR-2025 (MIRANDA RD),
AND SR-2040 (LAWING RD).

TYPE OF WORK GRADING, DRAINAGE, AND PAVING.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0043000000-N	226	GRADING	Lump Sum	L.S.	
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0057000000-E	226	UNDERCUT EXCAVATION	2,150 CY		
0006	0134000000-E	240	DRAINAGE DITCH EXCAVATION	180 CY		
0007	0195000000-E	265	SELECT GRANULAR MATERIAL	2,100 CY		
0008	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	2,100 SY		
0009	0255000000-E	SP	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	100 TON		
0010	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	305 TON		
0011	0321000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	955 SY		
0012	0335300000-E	305	18" DRAINAGE PIPE	28 LF		
0013	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (12")	24 LF		
0014	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	1,904 LF		
0015	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	752 LF		
0016	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	12 LF		
0017	0449000000-E	310	*** RC PIPE CULVERTS, CLASS V (24")	52 LF		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	0449000000-E	310	*** RC PIPE CULVERTS, CLASS V (30")	92 LF		
0019	0453000000-E	310	*** PIPE END SECTION (15")	1 EA		
0020	0995000000-E	340	PIPE REMOVAL	820 LF		
0021	1099500000-E	505	SHALLOW UNDERCUT	100 CY		
0022	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	200 TON		
0023	1112000000-E	505	GEOTEXTILE FOR SUBGRADE STABILIZATION	300 SY		
0024	1121000000-E	520	AGGREGATE BASE COURSE	400 TON		
0025	1220000000-E	545	INCIDENTAL STONE BASE	125 TON		
0026	1275000000-E	600	PRIME COAT	2,680 GAL		
0027	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	560 SY		
0028	1330000000-E	607	INCIDENTAL MILLING	625 SY		
0029	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	3,200 TON		
0030	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	2,650 TON		
0031	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	2,450 TON		
0032	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	520 TON		
0033	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	100 TON		
0034	1891000000-E	SP	GENERIC PAVING ITEM 12" JOINTED CONCRETE TRUCK APRON	1,150 SY		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	2000000000-N	806	RIGHT-OF-WAY MARKERS	29 EA		
0036	2022000000-E	815	SUBDRAIN EXCAVATION	175 CY		
0037	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	580 SY		
0038	2033000000-E	815	SUBDRAIN FINE AGGREGATE	34 CY		
0039	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	98 CY		
0040	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	780 LF		
0041	2070000000-N	815	SUBDRAIN PIPE OUTLET	3 EA		
0042	2077000000-E	815	6" OUTLET PIPE	18 LF		
0043	2209000000-E	838	ENDWALLS	2.3 CY		
0044	2253000000-E	840	PIPE COLLARS	0.45 CY		
0045	2275000000-E	SP	FLOWABLE FILL	39 CY		
0046	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	46 EA		
0047	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	0.2 LF		
0048	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	4 EA		
0049	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	2 EA		
0050	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	14 EA		
0051	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	11 EA		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	13 EA		
0053	2396000000-N	840	FRAME WITH COVER, STD 840.54	1 EA		
0054	2418000000-E	SP	FRAME WITH GRATES, DRIVEWAY DROP INLET	30 LF		
0055	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	2 EA		
0056	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	4,580 LF		
0057	2591000000-E	848	4" CONCRETE SIDEWALK	550 SY		
0058	2605000000-N	848	CONCRETE CURB RAMPS	10 EA		
0059	2612000000-E	848	6" CONCRETE DRIVEWAY	50 SY		
0060	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	925 SY		
0061	2752000000-E	SP	GENERIC PAVING ITEM 1'-6" CONCRETE CURB AND GUTTER, CLASS AA CONCRETE	720 LF		
0062	2752000000-E	SP	GENERIC PAVING ITEM SPILL CURB	710 LF		
0063	2830000000-N	858	ADJUSTMENT OF MANHOLES	2 EA		
0064	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	1 EA		
0065	3649000000-E	876	RIP RAP, CLASS B	219 TON		
0066	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	1,206 SY		
0067	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (E)	417 SF		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0068	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (F)	10 SF		
0069	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	890 LF		
0070	4102000000-N	904	SIGN ERECTION, TYPE E	77 EA		
0071	4108000000-N	904	SIGN ERECTION, TYPE F	1 EA		
0072	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)	3 EA		
0073	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	12 EA		
0074	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	1,007 SF		
0075	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	224 SF		
0076	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	322 SF		
0077	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	4 EA		
0078	4430000000-N	1130	DRUMS	250 EA		
0079	4435000000-N	1135	CONES	100 EA		
0080	4445000000-E	1145	BARRICADES (TYPE III)	224 LF		
0081	4447000000-E	SP	PEDESTRIAN CHANNELIZING DEVICES	20 LF		
0082	4455000000-N	1150	FLAGGER	42 DAY		
0083	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	90 EA		
0084	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	4,106 LF		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0085	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	830 LF		
0086	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	800 LF		
0087	4720000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	4 EA		
0088	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	3 EA		
0089	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	12,907 LF		
0090	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	633 LF		
0091	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	30 LF		
0092	4890000000-E	SP	GENERIC PAVEMENT MARKING ITEM YIELD LINE THERMOPLASTIC PAVEMENT MARKING (24", 90 MILS)	165 LF		
0093	4895000000-N	SP	GENERIC PAVEMENT MARKING ITEM INLAID CRADLE MARKERS	83 EA		
0094	5325600000-E	1510	6" WATER LINE	342.1 LF		
0095	5325800000-E	1510	8" WATER LINE	184.1 LF		
0096	5326200000-E	1510	12" WATER LINE	547.8 LF		
0097	5326600000-E	1510	16" WATER LINE	1,183.8 LF		
0098	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	13,240 LB		
0099	5540000000-E	1515	6" VALVE	5 EA		
0100	5546000000-E	1515	8" VALVE	1 EA		
0101	5558000000-E	1515	12" VALVE	2 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0102	5558600000-E	1515	16" VALVE	8 EA		
0103	5648000000-N	1515	RELOCATE WATER METER	2 EA		
0104	5649000000-N	1515	RECONNECT WATER METER	3 EA		
0105	5672000000-N	1515	RELOCATE FIRE HYDRANT	3 EA		
0106	5673000000-E	1515	FIRE HYDRANT LEG	18.7 LF		
0107	5678400000-E	1515	6" LINE STOP	1 EA		
0108	5678600000-E	1515	8" LINE STOP	1 EA		
0109	5679000000-E	1515	12" LINE STOP	2 EA		
0110	5679200000-E	1515	16" LINE STOP	2 EA		
0111	5686000000-E	1515	*** WATER SERVICE LINE (2")	58 LF		
0112	5686000000-E	1515	*** WATER SERVICE LINE (6")	45 LF		
0113	5686500000-E	1515	WATER SERVICE LINE	112.5 LF		
0114	5691300000-E	1520	8" SANITARY GRAVITY SEWER	988.5 LF		
0115	5775000000-E	1525	4' DIA UTILITY MANHOLE	10 EA		
0116	5781000000-E	1525	UTILITY MANHOLE WALL 4' DIA	21.7 LF		
0117	5800000000-E	1530	ABANDON 6" UTILITY PIPE	287 LF		
0118	5801000000-E	1530	ABANDON 8" UTILITY PIPE	781 LF		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0119	5804000000-E	1530	ABANDON 12" UTILITY PIPE	883 LF		
0120	5810000000-E	1530	ABANDON 16" UTILITY PIPE	1,015 LF		
0121	5816000000-N	1530	ABANDON UTILITY MANHOLE	6 EA		
0122	5828000000-N	1530	REMOVE UTILITY MANHOLE	2 EA		
0123	5835700000-E	1540	16" ENCASEMENT PIPE	122.4 LF		
0124	5835800000-E	1540	18" ENCASEMENT PIPE	241.9 LF		
0125	5836000000-E	1540	24" ENCASEMENT PIPE	89.3 LF		
0126	5872500000-E	1550	BORE AND JACK OF *** (16")	91.2 LF		
0127	5872500000-E	1550	BORE AND JACK OF *** (18")	100 LF		
0128	5888000000-E	SP	GENERIC UTILITY ITEM 4" PVC CONDUIT	400 LF		
0129	6000000000-E	1605	TEMPORARY SILT FENCE	6,145 LF		
0130	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	425 TON		
0131	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	930 TON		
0132	6012000000-E	1610	SEDIMENT CONTROL STONE	620 TON		
0133	6015000000-E	1615	TEMPORARY MULCHING	6 ACR		
0134	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	300 LB		
0135	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	2.5 TON		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0136	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0137	6029000000-E	SP	SAFETY FENCE	920 LF		
0138	6030000000-E	1630	SILT EXCAVATION	2,600 CY		
0139	6036000000-E	1631	MATTING FOR EROSION CONTROL	9,240 SY		
0140	6037000000-E	1629	COIR FIBER MAT	100 SY		
0142	6042000000-E	1632	1/4" HARDWARE CLOTH	1,275 LF		
0143	6043000000-E	1644	LOW PERMEABILITY GEOTEXTILE	100 SY		
0144	6070000000-N	1639	SPECIAL STILLING BASINS	2 EA		
0145	6071002000-E	1642	FLOCCULANT	290 LB		
0146	6071012000-E	1642	COIR FIBER WATTLE	1,230 LF		
0147	6071030000-E	1640	COIR FIBER BAFFLE	470 LF		
0148	6071050000-E	1644	*** SKIMMER (1-1/2")	3 EA		
0149	6084000000-E	1660	SEEDING & MULCHING	6 ACR		
0150	6087000000-E	1660	MOWING	3 ACR		
0151	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0152	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0153	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	100 LB		

County: MECKLENBURG

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0154	6108000000-E	1665	FERTILIZER TOPDRESSING	3 TON		
0156	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0157	6117000000-N	1675	RESPONSE FOR EROSION CONTROL	13 EA		
0158	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	2 EA		
0159	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABIC INSERT INLET PROTECTION, TYPE 1	10 EA		
0160	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION CLEANOUT	30 EA		
0161	6132000000-N	SP	GENERIC EROSION CONTROL ITEM PREFABRICATED CONCRETE WASHOUT	9 EA		
0162	6141000000-E	SP	GENERIC EROSION CONTROL ITEM PERMANENT SOIL REINFORCEMENT MAT, TYPE 3	20 SY		

1348/Nov04/Q106663.7/D617031394000/E160

Total Amount Of Bid For Entire Project :

Measurement and Payment

Permanent Soil Reinforcement Mat, Type ____ will be measured and paid for as the actual number of square yards measured along the surface of the ground over which permanent soil reinforcement mat of the specified type is installed and accepted. Overlaps will not be included in the measurement and will be considered as incidental to the work. Such price and payment shall be full compensation for all work covered by this provision, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to apply topsoil and install the PSRM.

Payment will be made under:

Pay Item

Permanent Soil Reinforcement Mat, Type ____

Pay Unit

Square Yard

CONCRETE WASHOUT:

(10-22-15)(Rev. 4-15-25)

Description

Concrete washouts are impermeable enclosures, above or below grade, to contain concrete wastewater and associated concrete mix from cleaning of ready-mix trucks, drums, pumps, tools or other equipment. Concrete washouts must collect and retain all the concrete washout water and solids, so that this material does not migrate to surface waters or into the ground water. These enclosures are not intended for concrete waste not associated with washout operations.

Acceptable concrete washouts may include constructed earthen structures, above or below ground, or commercially available devices designed specifically to capture concrete wash water.

Materials

Refer to Division 10 of the *Standard Specifications*.

Item

Temporary Silt Fence

Section

1605

Safety Fence shall meet the specifications as provided elsewhere in this contract.

Geomembrane basin liner shall consist of a minimum 10 mil thick polypropylene or polyethylene geomembrane.

Construction Methods

Build an enclosed earthen berm or excavate to form an enclosure in accordance with the details and as directed by the Engineer near the project entrance(s) or at location(s) of concrete operations. Structures shall be constructed a minimum of 50 feet from drainage conveyances or jurisdictional streams or wetlands. Alternate structure designs or plans for management of concrete washout

8/26/2025

may be submitted for review and approval by the Engineer. Include in the alternate plan the method used to retain, treat and dispose of the concrete washout wastewater generated within the project limits and in accordance with the minimum setback requirements. Install temporary silt fence around the perimeter of the structure enclosure in accordance with the details and as directed by the Engineer if the structure is not located in an area where existing erosion and sedimentation control devices are capable of containing stormwater runoff.

Post a sign with the words “Concrete Washout” in close proximity of the concrete washout area, so it is clearly visible to site personnel. Install safety fence as directed by the Engineer for visibility to construction traffic.

Install prefabricated concrete washouts, designed specifically to capture concrete wash water, at locations of additional concrete pouring operations. Acceptable systems may include geotextile lined containers, vinyl or plastic containers or roll-off containers, with or without filter bags with a minimum functional holding capacity of 36 cubic feet (1.33 cubic yards). Submit prefabricated concrete washout system for approval by the Engineer prior to installation. Place prefabricated concrete washout devices to a minimum 50 foot setback from drainage conveyances and jurisdictional streams and wetlands. If the minimum setback cannot be achieved, provide secondary containment to prevent accidental release of wastewater from reaching drainage conveyances or streams.

Prefabricated concrete washouts must be clearly and visibly labeled as such, either by the manufacturer on the product itself, or by a sign with the words “Concrete Washout” in close proximity of the concrete washout area so it is clearly visible to site personnel.

Maintenance and Removal

Maintain the concrete washout structure(s) to provide adequate holding capacity plus a minimum freeboard of 12 inches. Remove and dispose of hardened concrete and return the structure to a functional condition after reaching 75% capacity. Inspect concrete washout structures for damage to liner or structure to maintain functionality.

Maintain prefabricated concrete washout systems per manufacturer’s recommendations. Inspect concrete washout structures for damage to linings or structure and repair or replace as necessary.

Remove the concrete washout structures and sign upon project completion. Grade the area to match the existing topography and permanently seed and mulch area. Dispose of prefabricated concrete washout structures according to state or local waste regulations.

Measurement and Payment

Concrete Washout Structure will be measured and paid per each enclosure installed in accordance with the details in the plans. If alternate plans or details are approved, those structures will also be paid for per each approved and installed structure. Such price and payment will be full compensation for all work including, but not limited to, furnishing all materials, labor, equipment, signage, slurry solidification and incidentals necessary to construct, maintain and remove *Concrete Washout Structure* and dispose of residual concrete washout wastewater and concrete solids.

Prefabricated Concrete Washout will be measured and paid per each system installed in accordance with the manufacturer's recommendations. Such price and payment will be full compensation for all work including, but not limited to, furnishing all materials, labor, equipment, signage, slurry solidification and incidentals necessary to install, maintain and remove *Prefabricated Concrete Washout*, and dispose of residual concrete washout wastewater and concrete solids.

Temporary Silt Fence will be measured and paid for in accordance with Article 1605-5 of the *Standard Specifications*.

Safety Fence shall be measured and paid for as provided elsewhere in this contract.

No measurement will be made for over excavation or stockpiling or other items necessary to complete this work.

Payment will be made under:

Pay Item	Pay Unit
Concrete Washout Structure	Each
Prefabricated Concrete Washout	Each

FABRIC INSERT INLET PROTECTION

(1-1-24)

Description

Install, maintain, and remove Fabric Insert Inlet Protection, of the type specified, in inlet structures (catch basins, drop inlets, etc.) in areas where asphalt or concrete may prevent the proper installation of a Rock Inlet Sediment Traps Type C, or as directed by the Engineer.

Materials

Provide a fabric inlet protection device composed of a fitted woven polypropylene geotextile double sewn with nylon thread suspended sack. The Fabric Insert Inlet Protection shall be manufactured to fit the opening of the catch basin or drop inlet or shall have a deflector to direct runoff from the curb opening into the fabric sack. The Fabric Insert Inlet Protection shall have a rigid frame or support system to support the loaded weight of the product. The product shall have lifting loops for removing the device from the basin and will have dump straps attached at the bottom to facilitate the emptying of the device. The Fabric Insert Inlet Protection shall have an overflow system to allow stormwater to enter the inlet structure and avoid ponding on the roadway when the device reaches capacity.

The fitted filter assembly shall have the following physical properties:

Type 1 (High Flow):

Physical	Test Method	English
Grab Tensile	ASTM D-4632	255 x 275 lbs
Minimum Puncture Strength	ASTM D-4833	125 lbs
Mullen Burst	ASTM D-3786	420 PSI
Minimum UV Resistance	ASTM D-4355	70 %.
Flow Rate	ASTM D-4491	200 gal/min/ft ²
Apparent Opening	ASTM D-4751	20 US Sieve
Permittivity	ASTM D-4491	1.5 sec ⁻¹

Type 2 (Low Flow):

Physical	Test Method	English
Grab Tensile	ASTM D-4632	315 x 300 lbs
Grab Elongation	ASTM D-4632	15 x 15 %
Minimum Puncture Strength	ASTM D-4833	125 lbs
Mullen Burst	ASTM D-3786	650 PSI
Minimum UV Resistance	ASTM D-4355	70 %.
Flow Rate	ASTM D-4491	40 gal/min/ft ²
Apparent Opening	ASTM D-4751	40 US Sieve
Permittivity	ASTM D-4491	0.55 sec ⁻¹

Construction Methods

Strictly adhere to the manufacturer's installation instructions and recommendations. Maintenance shall include regular daily inspections and after each qualifying rain event. The Fabric Insert Inlet Protection shall be emptied, cleaned and placed back into the basin when it reaches 50% capacity or as directed by the Engineer.

Measurement and Payment

Fabric Insert Inlet Protection, Type __ will be measured and paid in units of each of the type specified, complete in place and accepted. Such payment shall be full compensation for furnishing and installing the *Fabric Insert Inlet Protection, Type __* in accordance with this specification and for all required maintenance.

Fabric Insert Inlet Protection Cleanout will be measured and paid in units of each for the maintenance of the device, cleanout and disposal of accumulated sediments.

Payment will be made under:

Pay Item

Fabric Insert Inlet Protection, Type ____
Fabric Insert Inlet Protection Cleanout

Pay Unit

Each
Each