

ADDENDUM NO. 1

To: All Plan Holders of Record and Interested Parties

Project: City of Dyersville–Delaware County
RM-2160(618)--9D-31
20 West Industrial Center
Phase 3
Contract D – Storm Sewer, Paving and Lighting

Project No.: 21249

Issue Date: April 22, 2024

Bids Due: May 1, 2024 before 1:00 PM

The following additions, revisions, corrections, and clarifications contained herein shall become part of the Construction Contract Documents for the Project, and shall be included in the Scope of Work and Bid Proposals to be submitted. References made below to Specifications and Construction Drawings shall be used as a general guide only. Bidders shall determine for themselves the full scope of work affected by the Addendum items.

The following Addendum is part of the Construction Contract Documents dated March 19, 2024.

This Addendum consists of the following:

Addendum No. 1 – Two (2) pages, plus seven (7) attached pages

Addendum 1 covers paving and roadway items for changing the 325' long alternate paving on the west end from 37' wide with curbs to a rural section with 28' wide 8" PCC paving and granular shoulders.

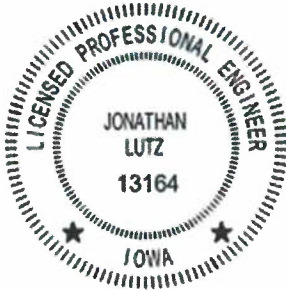
CHANGES TO CONTRACT DOCUMENTS:

1. Modifications to the bid schedule, Alternate 1 Paving Extension section.
 - a. Adjusted quantity for modified subbase.
 - b. Added granular shoulders, type A.
 - c. Adjusted quantity for Standard or slip form PCC, CL C, CL 3, 8".

CHANGES TO DRAWINGS:

1. Sheet B.1, Added alternate typical street section 18/B.1.
2. Sheet C.1, Modified additive alternate 1 paving extension estimated project quantities table.
3. Sheet C.2, Modified additive alternate 1 paving extension estimate reference table.
4. Sheet C.4, Modified PCC pavement table to reflect new 8" PCC and modified subbase quantities for alternate 1.
5. Sheet D.1, Revised notes to reflect 325' alternate 1 paving section change to 28' wide PCC rural section following current graded profile to match in with existing 320th Ave current profile.

It is required to acknowledge this addendum on the Bid Proposal Form and used the Revised Bid Schedule.



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

FOR ORIGIN DESIGN CO.


JONATHAN LUTZ

13164

LICENSE NUMBER

4/22/2024

DATE

12/31/2024

RENEWAL DATE

PAGES OR SHEETS COVERED BY THIS CERTIFICATION:

Addendum 1

END OF ADDENDUM NO. 1

DUBUQUE OFFICE

137 Main Street, Ste. 100
Dubuque, Iowa 52001

origindesign.com

800 556-4491

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or indicated sums:

CITY OF DYERSVILLE-DELAWARE COUNTY
RM-2160(618)--9D-31
20 WEST INDUSTRIAL CENTER
PHASE 3
CONTRACT D - STORM SEWER, PAVING AND LIGHTING

REVISED PER ADDENDUM 1

BID SCHEDULE
(pg 1 of 2)

NOTE: Bids shall EXCLUDE sales tax and all other applicable taxes and fees

NO.	ITEM CODE	DESCRIPTION	DIVISION 1 RISE Quantities	DIVISION 2 Non- Participating Quantities	TOTAL QUANTITIES	UNITS	UNIT PRICE	TOTAL PRICE
1	21098225100	SPECIAL COMPACTION OF SUBGRADE	15.08	3.42	18.5	STA		
2	21150100000	MODIFIED SUBBASE	1200.4	325.8	1526.2	CY		
3	21237450000	SHOULDER CONSTRUCTION, EARTH	30.15	5.85	36	STA		
4	22100475290	BASE MACADAM STONE	227	44	271	TON		
5	23011033080	STANDARD OR SLIP FORM PCC CL C, CL 3 DURABILITY, 8 INCH	6198	1203	7401	SY		
6	24160100030	APRON, CONCRETE, 30 INCH	0	1	1	EA		
7	24160100042	APRON, CONCRETE, 42 INCH	1	0	1	EA		
8	24160100048	APRON, CONCRETE, 48 INCH	1	0	1	EA		
9	24350250100	INTAKE, SW-501	4	1	5	EA		
10	24350250110	INTAKE, SW-501 MODIFIED	3	1	4	EA		
11	24350250500	INTAKE, SW-505	2	0	2	EA		
12	24350250510	INTAKE, SW-505 MODIFIED	1	0	1	EA		
13	24350251224	INTAKE, SW-512, 24 IN.	0	2	2	EA		
14	25028212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	3090	685	3775	LF		
15	25028221303	SUBDRAIN OUTLET, DR-303	12	2	14	EA		
16	25028221305	SUBDRAIN OUTLET, DR-305	2	0	2	EACH		
17	25030114215	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 15 INCH	0	81	81	LF		
18	25030114218	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 18 INCH	148	37	185	LF		
19	25030114230	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 30 INCH	0	68	68	LF		
20	25030114236	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 36 INCH	38	311	349	LF		
21	25030114242	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 42 INCH	64	451	515	LF		
22	25030114248	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 48 INCH	62	436	498	LF		
23	25073250005	ENGINEERING FABRIC	65	0	65	SY		
24	25076800061	REVTMENT, CLASS E	100	0	100	TON		
25	25230000100	LIGHTING POLES	2	1	3	EA		
26	25230000200	ELECTRICAL CIRCUITS	1025	268	1293	LF		
27	25230000310	HANDHOLES AND JUNCTION BOXES	2	1	3	EA		
28	25230000400	CONTROL CABINET	1	0	1	EA		
29	25282518000	SAFETY CLOSURE	1	0	1	EA		

CITY OF DYERSVILLE-DELAWARE COUNTY
RM-2160(618)--9D-31
20 WEST INDUSTRIAL CENTER
PHASE 3
CONTRACT D - STORM SEWER, PAVING AND LIGHTING

REVISED PER ADDENDUM 1

BID SCHEDULE
(pg 2 of 2)

NO.	ITEM CODE	DESCRIPTION	DIVISION 1 RISE Quantities	DIVISION 2 Non- Participating Quantities	TOTAL QUANTITIES	UNITS	UNIT PRICE	TOTAL PRICE
30	25288445110	TRAFFIC CONTROL	1	0	1	LS		
31	25334980005	MOBILIZATION	0.8375	0.1625	1	LS		
32	25999999010	CONCRETE WASHOUT	1	0	1	LS		
33	26012634100	MULCHING	2.5	1.5	4	AC		
34	26012636044	SEEDING AND FERTILIZING (URBAN)	2.5	1.5	4	AC		
35	26012642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	2.5	1.5	4	AC		
36	26020000020	SILT FENCE	350	100	450	LF		
37	26020000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	350	100	450	LF		
38	26020000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	35	10	45	LF		
39	26020000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	100	0	100	LF		
40	26020000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 INCH DIA. REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT	600	150	750	LF		
41	26020000351	CONTROL DEVICE	600	150	750	LF		
42	26020010010	MOBILIZATIONS, EROSION CONTROL	3	1	4	EA	\$500.00	\$2,000.00
43	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	1	0	1	EACH	\$1,000.00	\$1,000.00
44	26020000530	GRATE INTAKE SEDIMENT FILTER BAG	4	10	14	EACH		
45	26020000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	4	10	14	EACH		
46	26020000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	4	10	14	EACH		

Base Bid Total:

ALTERNATE 1 - PAVING EXTENSION

A1	21098225100	SPECIAL COMPACTION OF SUBGRADE	0	2.75	2.75	STA		
A2	21150100000	MODIFIED SUBBASE	0	209	209	CY		
A3	21217425010	GRANULAR SHOULDERS, TYPE A	0	227	227	TON		
A4	21237450000	SHOULDER CONSTRUCTION, EARTH	0	6.5	6.5	STA		
A5	22100475290	BASE MACADAM STONE	0	42	42	TON		
A6	2301-1033080	STANDARD OR SLIP FORM PCC, CL C, CL 3, 8"	0	1011	1011	SY		
A7	25028212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	0	560	560	LF		

Alternate 1 Total:

This bid schedule accompanies the proposal of



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RM-2160(618)--9D-31

ESTIMATED PROJECT QUANTITIES						
20 West Industrial Center - Phase 3 - Contract D RM-2160(618)--9D-31				Base Bid		
REF. NO.	ITEM CODE	BID ITEM DESCRIPTION	UNITS	DIVISION 1 RISE Quantities	DIVISION 2 Non-Participating Quantities	TOTAL QUANTITIES
1	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	15.08	3.42	18.5
2	2115-0100000	MODIFIED SUBBASE	CY	1200.4	325.8	1526.2
3	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	30.15	5.85	36
4	2210-0475290	BASE MACADAM STONE	TON	227	44	271
5	2301-1033080	STANDARD OR SLIP FORM PCC CL C, CL 3 DURABILITY, 8 INCH	SY	6198	1203	7401
6	2416-0100030	APRON, CONCRETE, 30 INCH	EA	0	1	1
7	2416-0100042	APRON, CONCRETE, 42 INCH	EA	1	0	1
8	2416-0100048	APRON, CONCRETE, 48 INCH	EA	1	0	1
9	2435-0250100	INTAKE, SW-501	EA	4	1	5
10	2435-0250110	INTAKE, SW-501 MODIFIED	EA	3	1	4
11	2435-0250500	INTAKE, SW-505	EA	2	0	2
12	2435-0250510	INTAKE, SW-505 MODIFIED	EA	1	0	1
13	2435-0251224	INTAKE, SW-512, 24 IN.	EA	0	2	2
14	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	3090	685	3775
15	2502-8221303	SUBDRAIN OUTLET, DR-303	EA	12	2	14
16	2502-8221305	SUBDRAIN OUTLET, DR-305	EACH	2	0	2
17	2503-0114215	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 15 INCH	LF	0	81	81
18	2503-0114218	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 18 INCH	LF	148	37	185
19	2503-0114230	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 30 INCH	LF	0	68	68
20	2503-0114236	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 36 INCH	LF	38	311	349
21	2503-0114242	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 42 INCH	LF	64	451	515
22	2503-0114248	STORM SEWER, GRAVITY MAIN, TRENCHED, RCP, 2000D (CL 3), 48 INCH	LF	62	436	498
23	2507-3250005	ENGINEERING FABRIC	SY	65	0	65
24	2507-6800061	REVETMENT, CLASS E	TON	100	0	100
25	2523-0000100	LIGHTING POLES	EA	2	1	3
26	2523-0000200	ELECTRICAL CIRCUITS	LF	1025	268	1293
27	2523-0000310	HANDHOLES AND JUNCTION BOXES	EA	2	1	3
28	2523-0000400	CONTROL CABINET	EA	1	0	1
29	2528-2518000	SAFETY CLOSURE	EA	1	0	1
30	2528-8445110	TRAFFIC CONTROL	LS	1	0	1
31	2533-4980005	MOBILIZATION	LS	0.8375	0.1625	1
32	2599-9999010	CONCRETE WASHOUT	LS	1	0	1
33	2601-2634100	MULCHING	AC	2.5	1.5	4
34	2601-2636044	SEEDING AND FERTILIZING (URBAN)	AC	2.5	1.5	4
35	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	AC	2.5	1.5	4
36	2602-0000020	SILT FENCE	LF	350	100	450
37	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	350	100	450
38	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	35	10	45
39	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	100	0	100
40	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 INCH DIA.	LF	600	150	750
41	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	600	150	750
42	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EA	3	1	4
43	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1	0	1
44	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EACH	4	10	14
45	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	4	10	14
46	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	4	10	14

ADDITIVE ALTERNATE 1 - PAVING EXTENSION						
REF. NO.	ITEM CODE	BID ITEM DESCRIPTION	UNITS	DIVISION 1 RISE Quantities	DIVISION 2 Non-Participating Quantities	TOTAL QUANTITIES
A1	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	0	2.75	2.75
A2	2115-0100000	MODIFIED SUBBASE	CY	0	209	209
A3	2121-7425010	GRANULAR SHOULDERS, TYPE A	TON	0	227	227
A4	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	0	6.5	6.5
A5	2210-0475290	BASE MACADAM STONE	TON	0	42	42
A6	2301-1033080	STANDARD OR SLIP FORM PCC, CL C, CL 3, 8"	SY	0	1011	1011
A7	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	0	560	560



ADDENDUM 1

RM-2160(618)--9D-31

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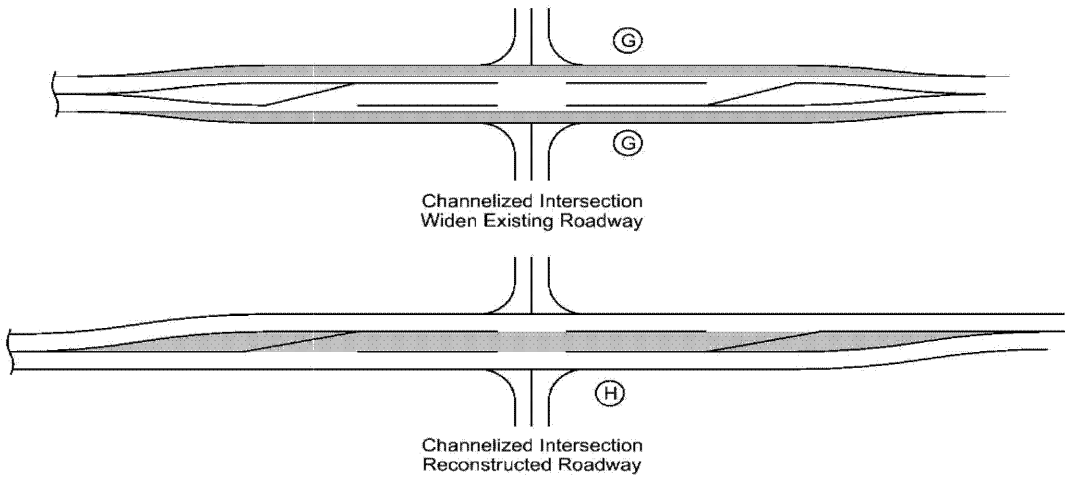
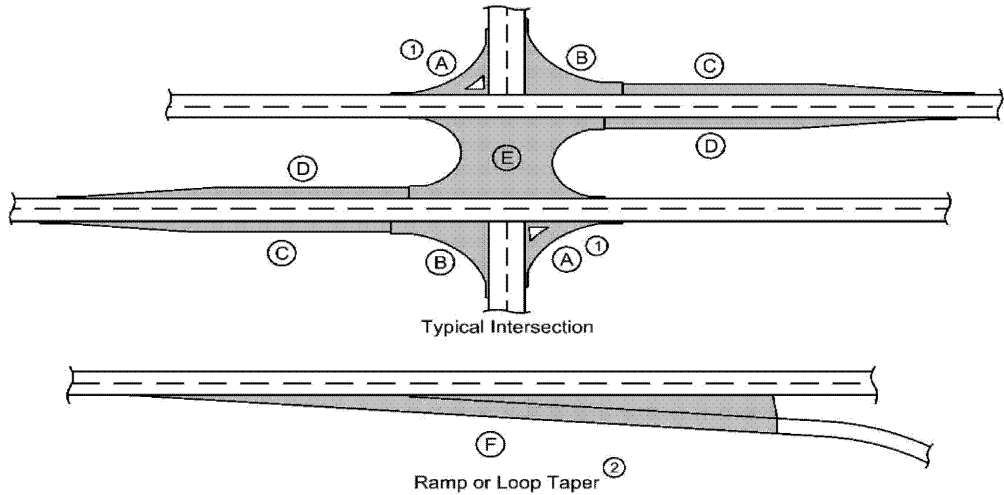
ESTIMATE REFERENCE INFORMATION	
20 West Industrial Center Phase 3 - Contract D RM-2160(618)--9D-31	
DATA BELOW IS FOR INFORMATION ONLY AND DOES NOT CONSTITUTE A BASIS FOR EXTRA WORK ORDER REQUESTS	
REF. NO.	DESCRIPTION
1	SEE TYPICAL SECTION ON SHEET B.1 FOR LOCATION. APPLIES UNDER MODIFIED SUBBASE PLACED FOR PCC PAVEMENT TO A DEPTH OF 1' BELOW BOTTOM OF THE MODIFIED SUBBASE.
2	TO BE USED AS BASE MATERIAL UNDER ROADWAY AS SHOWN ON THE TYPICAL SECTIONS ON B.1. ALSO PLACED AS GRANULAR SURFACING AT THE WEST END OF PROPOSED PAVING OPERATIONS IF ADDITIVE ALTERNATE 1 IS NOT SELECTED. SEE PCC PAVEMENT TABULATION ON C SHEETS.
3	FOR USE CONSTRUCTING EARTH SHOULDER ADJACENT TO CURB ALONG THE ROADWAY, AS INDICATED IN THE TYPICAL SECTION ON SHEET B.1. TOPSOIL MATERIAL MAY BE USED FOR FULL DEPTH OF MATERIAL ADJACENT TO PAVEMENT AS WELL AS THE TOP 4 INCHES AT THE SURFACE. PROVIDING, HAULING, AND PLACING MATERIAL FOR PLACEMENT AS PART OF EARTH SHOULDER CONSTRUCTION IS INCIDENTAL TO THIS ITEM. SUFFIENT MATERIAL, ESTIMATED TO BE 910 CY, IS ANTICIPATED TO BE AVAILABLE STOCKPILED NEAR THE PROJECT AREA AS PART OF PREVIOUS CONTRACT WORK AS SHOWN ON SHEET A.3.
4	FOR USE AT LOCATIONS AS DIRECTED BY THE ENGINEER WHERE SUBGRADE IS NOT STABLE AFTER PROOF ROLLING. MATERIAL MAY INCLUDE FINES. SEE SUBGRADE STABILIZATION DETAIL ON SHEET B.2
5	SEE TYPICAL SECTION ON B.1 AND LOCATIONS ON THE D SHEETS. TYPICAL JOINT TYPES ARE NOTED ON SHEET B.1. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION.
6	SEE D AND M SHEETS FOR TABULATION AND LOCATION. APRON SHALL BE TIED TO ADJACENT PIPE SECTION PER DETAIL ON SHEET B.2. MATERIALS AND INSTALLATION FOR PIPE CONNECTORS ARE INCIDENTAL TO THIS ITEM.
7	SEE D AND M SHEETS FOR TABULATION AND LOCATION. APRON SHALL BE TIED TO ADJACENT PIPE SECTION PER DETAIL ON SHEET B.2. PROVIDE APRON FOOTING PER DETAIL ON SHEET B.3. MATERIALS AND INSTALLATION FOR APRON FOOTING AND PIPE CONNECTORS ARE INCIDENTAL TO THIS ITEM. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS.
8	SEE D AND M SHEETS FOR TABULATION AND LOCATION. APRON TYPE INCLUDES ENDWALL PER DR-205. SEE DETAIL ON SHEET M.3 FOR ADDITIONAL INFORMATION. APRON SHALL BE TIED TO ADJACENT PIPE SECTION PER DETAIL ON SHEET B.2. PROVIDE APRON FOOTING PER DETAIL ON SHEET B.3. MATERIALS AND INSTALLATION FOR APRON FOOTING AND PIPE CONNECTORS ARE INCIDENTAL TO THIS ITEM. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS.
9	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS.
10	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS. SEE DETAIL ON SHEET B.2
11	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS.
12	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS. SEE DETAIL ON SHEET B.2
13	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS.
14	INCLUDES STADARD ROADWAY SUBDRAIN. SEE D SHEETS FOR LOCATIONS. DR-303, TYPE 12 INSTALLATION.
15	SEE M SHEETS FOR LOCATIONS. FOR CONNECTION OF SUBDRAIN TO INTAKE STRUCTURES AS NOTED.
16	SEE D SHEETS FOR LOCATIONS. FOR OULETTING SUBDRAIN TO DITCH. TYPE A INSTALLATION.
17	SEE M SHEETS FOR TABULATION AND LOCATIONS.
18	SEE M SHEETS FOR TABULATION AND LOCATIONS.
19	SEE M SHEETS FOR TABULATION AND LOCATIONS. BID ITEM SHALL INCLUDE MATERIALS AND INSTALLATION FOR CONNECTED PIPE JOINTS PER DR-121 FOR THE FIRST THREE PIPE SECTIONS ADJACENT TO CONCRETE APRONS ON PIPE RUNS WITH AN APRON. USE TYPE 3 CONNECTIONS.
20	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS.
21	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS. BID ITEM SHALL INCLUDE MATERIALS AND INSTALLATION FOR CONNECTED PIPE JOINTS PER DR-121 FOR THE FIRST THREE PIPE SECTIONS ADJACENT TO CONCRETE APRONS ON PIPE RUNS WITH AN APRON. USE TYPE 3 CONNECTIONS.
22	SEE D AND M SHEETS FOR TABULATION AND LOCATIONS. BID ITEM SHALL INCLUDE MATERIALS AND INSTALLATION FOR CONNECTED PIPE JOINTS PER DR-121 FOR THE FIRST THREE PIPE SECTIONS ADJACENT TO CONCRETE APRONS ON PIPE RUNS WITH AN APRON. USE TYPE 3 CONNECTIONS.
23	PLACED UNDER CLASS E REVETMENT AT OUTLET LOCATIONS FOR STORM SEWER. SEE SHEET D.2 FOR PLACEMENT AREAS.
24	FOR USE AT OUTLET LOCATIONS FOR STORM SEWER. SEE SHEET D.2 FOR PLACEMENT AREAS.
25	SEE P SHEETS FOR LOCATIONS AND SHEET C.3 FOR TABULATIONS. INCLUDES BREAKAWAY BASE ASSEMBLY. LIGHT POLE FOUNDATION SHALL BE CONCRETE. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR CAST IN PLACE COMPONENTS.
26	SEE P SHEETS FOR LOCATIONS AND SHEET C.3 FOR TABULATIONS. INCLUDES CONDUCTORS, CONDUIT, TRENCHING AND BACKFILL. VERTICAL RUNS ARE INCIDENTAL TO THE BID ITEMS.
27	SEE P SHEETS FOR LOCATIONS AND SHEET C.3 FOR TABULATIONS. USE TYPE 2 PER LI-103
28	SEE P SHEETS FOR LOCATION AND SHEET P.3 FOR DETAILS.
29	TO BE INSTALLED AT THE EXISTING END OF PAVEMENT ON INDUSTRIAL PARKWAY AS NOTED ON SHEET D.2
30	SEE TABULATION OF STANDARD ROAD PLANS ON SHEET C.3. INCLUDES INSTALLATION OF "ROAD CLOSED AHEAD" SIGN 100 FEET IN ADVANCE OF THE SAFETY CLOSURE NOTED ON SHEET D.2. OTHER TC-252 SIGNAGE NOT REQUIRED. ALSO INCLUDES REMOVAL OF EXISTING BARRICADE LOCATED IN GRAVEL TURNAROUND AT WEST END OF EXISTING INDUSTRIAL PARKWAY PAVEMENT.

ESTIMATE REFERENCE INFORMATION	
20 West Industrial Center Phase 3 - Contract D RM-2160(618)--9D-31	
DATA BELOW IS FOR INFORMATION ONLY AND DOES NOT CONSTITUTE A BASIS FOR EXTRA WORK ORDER REQUESTS	
REF. NO.	DESCRIPTION
31	OTHER WORK MAY BE OCCURING IN THE PROJECT AREA AS PART OF OTHER CONTRACTS, SEE SHEET A.3 FOR ADDITIONAL INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN CONTRACTORS TO ENSURE THEIR SCHEDULE, ACCESS, AND OTHER CONSTRUCTION NEEDS ARE MET.
32	FOR FURNISHING PERIODIC CLEANING AND MAINTENANCE OF THE WASHOUT AREA AS DIRECTED BY THE ENGINEER. SEE DETAIL ON SHEET RR.1. CONCRETE WASHOUTS SHALL BE MAINTAINED THROUGH THE DURATION OF THE PROJECT. CONCRETE WASHOUT LOCATION SHALL BE NOTED IN THE SWPPP. METHOD OF MEASUREMENT AND BASIS OF PAYMENT SHALL BE LUMP SUM. INCLUDES INSTALLATION, MAINTAINING WASHOUT AND SHALL BE FULL COMPENSATION FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO INSTALL AND MAINTAIN THE CONCRETE WASHOUT.
33	ALL DISTURBED AREAS WITHOUT PAVING OR STONE. HYDROMULCHING IS ALLOWED.
34	ALL DISTURBED AREAS WITHOUT PAVING OR STONE.
35	FOR USE AT DISTURBED LOCATIONS THAT WILL NOT BE SEEDED OR SURFACED WITH PAVEMENT OR STONE WITHIN THE TIMEFRAME ALLOWED BY THE NPDES PERMIT.
36	FOR USE ON SLOPES TO PREVENT EROSION AND AS PERIMETER CONTROL TO PREVENT SEDIMENT FROM LEAVING SITE. PRELIMINARY DEVICE LOCATIONS ARE SHOWN ON THE RR SHEETS. PRIOR TO PLACEMENT, VERIFY LOCATIONS WITH THE ENGINEER.
37	REMOVE DEVICES ONLY AS DIRECTED BY THE ENGINEER. OWNER MAY CHOOSE TO REMOVE SOME OR ALL OF THE DEVICES.
38	--
39	SEE SHEET RR.2 FOR SUGGESTED INSTALLATION LOCATION.
40	FOR USE IN GRADED AREAS TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM LEAVING SITE. PRELIMINARY DEVICE LOCATIONS ARE SHOWN ON THE RR SHEETS. PRIOR TO PLACEMENT, VERIFY LOCATIONS WITH THE ENGINEER.
41	REMOVE DEVICES ONLY AS DIRECTED BY THE ENGINEER. OWNER MAY CHOOSE TO REMOVE SOME OR ALL OF THE DEVICES.
42	WILL BE BY COUNT FOR EACH MOBILIZATION IN THE ACCEPTE ECIIP AND ACCEPTABLY PERFORMED, AS WELL AS ADDITIONAL MOBILIZATIONS ORDERED OR APPROVED BY THE ENGINEER AND ACCEPTABLY PERFORMED.
43	USED FOR A SUDDEN OCCURRENCE OF A SERIOUS AND URGENT NATRUE WHICH IS BEYOND NORMAL MAINTENANCE OF EROSION CONTROL ITEMS.
44	PER STANDARD ROAD PLAN EC-604, INSTALL ON INTAKES AND DRAINAGE STRUCTURES AFTER THE GRATES ARE INSTALLED. METHOD OF MEASUREMENT SHALL BE BY EACH GRATE SEDIMENT FILTER BAG INSTALLED AS MEASURED BY THE ENGINEER. BASIS OF PAYMENT INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT FOR THE INSTALLATION OF THE GRATE SEDIMENT FILTER BAG IN ACCORDANCE WITH EC-604.
45	MAINTENANCE INCLUDES REMOVAL AND DISPOSAL OF SILT MATERIAL TRAPPED BY THE FILTER BAG, WITHOUT ALLOWING THE MATERIAL TO BE DISCHARGED INTO THE INTAKE OR MANHOLE. METHOD OF MEASUREMENT SHALL BE FOR EACH TIME MAINTENANCE AND CLEANING IS REQUIRED BY THE ENGINEER. BASIS OF PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT TO CLEAN THE FILTER BAG AND DISPOSE OF THE MATERIAL.
46	REMOVAL INCLUDES REMOVAL OF THE FILTER BAG, WITHOUT ALLOWING ANY TRAPPED SILT MATERIAL TO BE DISCHARGED INTO THE INTAKE OR MAHNOLE. METHOD OF MEASUREMENT SHALL BE FOR REMOVAL OF EACH GRATE SEDIMENT FILTER BAG AS MEASURED BY THE ENGINEER. BASIS OF PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT TO REMOVE THE FILTER BAG AND DISPOSE OF IT AND ANY TRAPPED MATERIAL.

ADDITIVE ALTERNATE 1 - PAVING EXTENSION	
REF. NO.	DESCRIPTION
A1	SEE TYPICAL SECTION ON SHEET B.1 FOR LOCATION. APPLIES UNDER MODIFIED SUBBASE PLACED FOR PCC PAVEMENT TO A DEPTH OF 1' BELOW BOTTOM OF THE MODIFIED SUBBASE.
A2	TO BE USED AS BASE MATERIAL UNDER ROADWAY AS SHOWN ON THE TYPICAL SECTIONS ON B.1. IF ADDITIVE ALTERNATE 1 IS SELECTED, UTILIZE MATERIAL FOR GRANULAR SURFACING AT WEST END OF BASE. BID RAVING FOR ADDITIONAL PAVING BASE INSTEAD.
A3	TO BE USED ON ALTERNATE, PAVING SEGMENT AS SHOWN ON B.1 AND D.1.
A4	FOR USE CONSTRUCTING EARTH SHOULDER ADJACENT TO CURB ALONG THE ROADWAY, AS INDICATED IN THE TYPICAL SECTION ON SHEET B.1. TOPSOIL MATERIAL MAY BE USED FOR FULL DEPTH OF MATERIAL ADJACENT TO PAVEMENT AS WELL AS THE TOP 4 INCHES AT THE SURFACE. PROVIDING, HAULING, AND PLACING MATERIAL FOR PLACEMENT AS PART OF EARTH SHOULDER CONSTRUCTION IS INCIDENTAL TO THIS ITEM. SUFFIENT MATERIAL, ESTIMATED TO BE 165 CY, IS ANTICIPATED TO BE AVAILABLE STOCKPILED NEAR THE PROJECT AREA AS PART OF PREVIOUS CONTRACT WORK AS SHOWN ON SHEET A.3.
A5	FOR USE AT LOCATIONS AS DIRECTED BY THE ENGINEER WHERE SUBGRADE IS NOT STABLE AFTER PROOF ROLLING. MATERIAL MAY INCLUDE FINES. SEE SUBGRADE STABILIZATION DETAIL ON SHEET B.2
A6	SEE TYPICAL SECTION ON B.1 AND LOCATIONS ON THE D SHEETS. TYPICAL JOINT TYPES ARE NOTED ON SHEET B.1. CONTRACTOR SHALL SUPPLY CERTIFIED PLANT INSPECTION.
A7	INCLUDES STADARD ROADWAY SUBDRAIN. SEE D SHEETS FOR LOCATIONS. DR-303, TYPE 12 INSTALLATION.



PCC PAVEMENT



Location				Mainline			Area (3)								Total Area By Pavement Thickness	Special Backfill	Modified Subbase 6"	Modified Subbase 14"	Remarks
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)					
							A	B	C	D	E	F	G	H					
							SY	SY	SY	SY	SY	SY	SY	SY					
ALTERNATE	W & E	410+25.00	413+50.00	28.0	325.0	1011.0									1011.0		301.0		DIVISION 2 NON-RISE
TEMPORARY ROCK TURN-AROUND	W & E	413+00.00	413+50.00	43.0	50.0	238.9												92.9	DIVISION 2 NON-RISE
INDUSTRIAL PARKWAY	W & E	413+50.00	416+42.50	37.0	292.5	1202.5									1202.5		232.9		DIVISION 2 NON-RISE
INDUSTRIAL PARKWAY	W & E	416+42.50	431+50.00	37.0	1507.5	6197.5									6197.5		1200.4		DIVISION 1 RISE

ROADWAY QUANTITY TOTAL				
TYPE	DIVISION 1 RISE TOTAL	DIVISION 2 NON RISE TOTAL	DIVISION 2--TURNAROUND NON RISE TOTAL	DIVISION 2--ALTERNATE NON RISE TOTAL
8" PCC SY	6198	1203		1011
MOD SUBBASE CY	1200.4	232.9	92.9	209

ADDENDUM 1

