

Request for Quote – DBE Subcontractors and Suppliers

Project: CSAH 81 Reconstruction, CP 0922 / SP 027-681-035
Hennepin County

Bid Date: Tuesday, April 30, 2019
Bid Time: 2:00 pm

DBE Goal: 16.3%

C.S. McCrossan Construction, Inc. is soliciting quotations from qualified bidders to develop pricing for the above referenced project. Please see the attached sheet for a list of potential work types that are available on this project.

C.S. McCrossan Construction, Inc. is an Equal Opportunity Employer and encourages participation from all certified DBE subcontractors and suppliers. If you can provide us with pricing in any of the areas listed above please return the attached form to our office. Plans are available for free in our online plan room; please contact us for more information.

If you need any assistance in the following areas, please contact our office:

1. Locating plans
2. Bonding, insurance, lines of credit
3. Technical assistance in preparing your quote
4. Breaking down work types into more economically feasible units
5. Locating equipment & supplies to prepare your quote

Thank you,

CSM Estimating Department
estimating@mccrossan.com
763-425-4167 (p) | 763-488-1649 (f)

We have identified the following work types for this project:

Project: CSAH 81 Reconstruction, CP 0922 / SP 027-681-035
Hennepin County

Aggregates	Guardrail
Asphalt Paving	Portable Restrooms
Borrow	Removals
Bridge / Structures	Rip Rap / Geotextiles
Clearing & Grubbing	Sawcutting
Concrete Curb & Gutter / Sidewalk	Seed, Sod & Turf Establishment
Demolition (Building)	Signing
Dumpsters	Striping
Electrical	Sweeping
Erosion Control	Traffic Control
Excavation / Grading	Trucking
Fencing	Underground Pipe / Structures
Field Office / Field Lab	

This list is of the work types we have determined as of this time. Additional work types may be determined as we continue to review the plans and specifications. If you are interested in bidding on this project but do not see your type of work listed, please contact our office to see if additional opportunities may be available.

REQUEST FOR QUOTE

RESPONSE FORM

C.S. McCrossan Construction, Inc. is bidding the following upcoming project. Potential Bidders are requested to check the appropriate box below and let us know of their intentions by email (estimating@mccrossan.com) or fax (763-488-1649).

Project**Interest**

Yes

No

Hennepin County - CSAH 81

☐☐**Name of Firm:**

Contact Person:

Phone / Fax Number:

Email:

Type of Work:

(Please list work types you are interested in quoting.)

Assistance Needed:

(Please list any assistance we can provide you in preparing your quote.)

C.S. McCrossan Construction, Inc. is an Equal Opportunity Employer and encourages participation from all certified DBE subcontractors and suppliers. If you are interested in providing us a quote please return this form to our office via email (estimating@mccrossan.com) or by fax (763-488-1649).

If you need assistance or any additional information (plans / specifications), please contact our office.

MINNESOTA DEPARTMENT OF TRANSPORTATION

HENNEPIN COUNTY TRANSPORTATION DEPARTMENT

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS SURFACING,
BOX CULVERT, ADA IMPROVEMENT AND SIGNALS

COUNTY STATE AID HIGHWAY NO. 81

CITY OF BROOKLYN PARK

FROM 200' NORTH OF CSAH 8 TO 200' SOUTH OF 83RD AVENUE

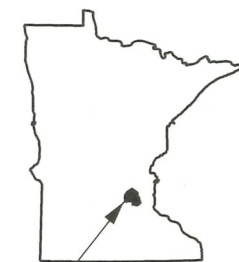
GROSS LENGTH **8733.66 FEET** **1.654 MILES**
BRIDGE LENGTH **FEET** **MILES**
EXCEPTION LENGTH **FEET** **MILES**
NET LENGTH **8733.66 FEET** **1.654 MILES**

LENGTH AND DESCRIPTION BASED UPON N.B. 81



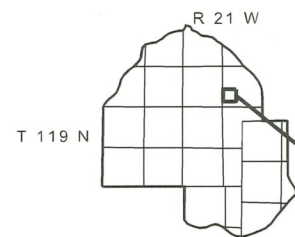
AGREEMENT NO. 1033375
HENNEPIN COUNTY
S.P. 2750-101 (TH 169 = 003)
LOCAL FUNDS
METRO DISTRICT

REF POINT
137+00.553 TO 137+00.783



PROJECT LOCATION
HENNEPIN COUNTY
MnDOT METRO DISTRICT

END HENNEPIN COUNTY
PROJECT NO. 0922
S.P. 027-681-035
S.P. 110-020-040
NB81 STA. 1389+90.90



PROJECT IS LOCATED WITHIN
THE FOLLOWING LAND
SECTIONS:
T 119 N, R 21 W SECTIONS:
19, 20, 29, 30

SCALES

PLAN	100'
GENERAL LAYOUT	400'
INDEX MAP	2000'
PROFILE	100' HORZ. 10' VERT.
DRAINAGE PROFILES	100' HORZ. 10' VERT.

THE SUBSURFACE UTILITY INFORMATION
IN THIS PLAN IS UTILITY QUALITY LEVEL D.
THIS QUALITY LEVEL WAS DETERMINED
ACCORDING TO GUIDELINES OF CI/ASCE
38-02 ENTITLED "STANDARD GUIDELINES
FOR THE COLLECTION AND DEPICTION OF
EXISTING SUBSURFACE UTILITY DATA."

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS,
IF ANY WERE PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: _____ LICENSE # _____
DATE: _____ SIGNATURE: _____

DESIGN DESIGNATION	C.S.A.H 81	C.S.A.H 130 & C.S.A.H. 152	MULTI-USE PATH
R-VALUE	50	50	
ADT (CURRENT YEAR) 2019	25,300	20,500	
ADT (DESIGN YEAR) 2039	37,600	30,500	
T (HEAVY COMMERCIAL)	8.0%	5.5%	
PAVEMENT DESIGN	10 TON	10 TON	
FUNCTIONAL CLASS	A MINOR EXPANDER	A MINOR RELIEVER	
NO. OF TRAFFIC LANES	6	4	
NO. OF PARKING LANES	0	0	
SHOULDER WIDTH	N/A	N/A	
ESALS $\sum N^{18}$ (20)	4,100,000	3,500,000	
DESIGN SPEED	45 MPH	40 MPH	20 MPH
BASED ON SIGHT DISTANCE	STOPPING	STOPPING	
HEIGHT OF EYE / HEIGHT OF OBJECT	3.5' / 2.0'	3.5' / 2.0'	4.5' / 0'

Design speed not achieved at:
Trail: 459+58.90 to 459+80.37 - Intersection
Trail: 556+69.54 to 557+24.66 - Stop Condition
Trail: 560+00.00 to 560+54.33 - Stop Condition
Trail: 571+50.57 to 571+91.88 - Stop Condition
EB CSAH 130: 196+41 TO 197+86 - Stop Condition

MINN. PROJ. NO. _____ STPF 2719(168)

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", SHALL
GOVERN. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST
RECENT EDITION OF THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC
CONTROL DEVICES INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC
CONTROL ZONE LAYOUTS".

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	GENERAL LAYOUT
4-8	STATEMENT OF ESTIMATED QUANTITIES
9	STANDARD PLATES & EARTHWORK SUMMARY
10-14	EARTHWORK TABULATIONS
15	SOIL & CONSTRUCTION NOTES
16-17	QUANTITY TABULATIONS
18-30	INPLACE UTILITY TABULATIONS
31-40	INPLACE UTILITY PLAN
41-54	TYPICAL SECTIONS
55-84	DETAILS & STANDARD PLANS
85-99	ALIGNMENT PLAN AND TABULATIONS
100-109	REMOVAL PLAN
110-119	GRADING AND EROSION CONTROL PLAN
120-129	CONSTRUCTION PLAN
130-156	INTERSECTION PLAN
157-166	SUPERELEV, DRAINAGE & TURF ESTABLISHMENT PLAN
167-169	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
170-186	PROFILES
187-215	DRAINAGE PROFILES & TABULATIONS
216-218	RETAINING WALL PLAN, PROFILE AND DETAILS
219-234	BOX CULVERT
235-244	RIGHT OF WAY PLAN
TC1-TC53	STAGING & TRAFFIC CONTROL PLAN
ST1-ST32	SIGNING & STRIPING PLAN
SS1-SS126	TRAFFIC SIGNAL PLAN AND DETAILS
SW1-SW16	SANITARY AND WATERMAIN IMPROVEMENTS
XM1-XM10	CROSS SECTION MATCH LINE LAYOUT
XS1-XS165	CROSS SECTIONS

THIS PLAN CONTAINS 657 SHEETS

APPROVED	<i>Carol Jensen</i>	3/15/19
	HENNEPIN COUNTY: COUNTY HIGHWAY ENGINEER	DATE
RECOMMENDED FOR APPROVAL	<i>John Struss</i>	3/15/19
	HENNEPIN COUNTY: DESIGN DIVISION ENGINEER	DATE
APPROVED	<i>John Struss</i>	3/19/19
	CITY OF BROOKLYN PARK: CITY ENGINEER	DATE
RECOMMENDED FOR APPROVAL	<i>Kevin Mueggen</i>	3/20/19
	DISTRICT TRAFFIC ENGINEER	DATE
RECOMMENDED FOR APPROVAL	N/A	-
	DISTRICT WATER RESOURCES/HYDRAULICS ENGINEER	DATE
APPROVED	<i>Ann Sahr</i>	3/21/19
	DISTRICT TRANSPORTATION ENGINEER	DATE
APPROVED	<i>D. E. L. L.</i>	3/19/19
	DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AND FEDERAL AID RULES/POLICY	DATE
APPROVED	<i>D. E. L. L.</i>	3/19/19
	APPROVED FOR STATE AND FEDERAL AID FUNDING: STATE AID ENGINEER	DATE



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

Kelly Agosto
KELLY AGOSTO, LICENSED PROFESSIONAL ENGINEER

49075 3/15/19
LICENSE NO. DATE

DESIGN SQUAD

S. PARK
R. DECOTEAU
K. ALBRECHT
E. GUIR
L. LANGNER

TITLE SHEET

C.S.A.H. 81 / HENNEPIN COUNTY PROJECT 0922
SP 2750-101 (TH 169=003), S.P. 027-681-035, S.P. 110-020-040

SHEET

1
244

2021.501/00010	MOBILIZATION	1 LUMP SUM
2031.502/00030	FIELD OFFICE TYPE D	1 EACH
2031.502/00110	FIELD LABORATORY TYPE D	1 EACH
2041.610/02000	TRAINEES	2,300 HOURS
2101.524/00040	CLEARING	67 TREE
2101.524/00050	GRUBBING	67 TREE
2102.503/00010	PAVEMENT MARKING REMOVAL	1,000 LIN FT
2102.518/00010	PAVEMENT MARKING REMOVAL	300 SQ FT
2103.501/00010	BUILDING REMOVAL	1 LUMP SUM
2104.502/00090	REMOVE BOX CULVERT	1 EACH
2104.502/00130	REMOVE PIPE APRON	48 EACH
2104.502/00780	REMOVE MANHOLE	6 EACH
2104.502/00850	REMOVE GATE VALVE & BOX	13 EACH
2104.502/00860	REMOVE CURB STOP & BOX	3 EACH
2104.502/00880	REMOVE HYDRANT	6 EACH
2104.502/00910	REMOVE DRAINAGE STRUCTURE	53 EACH
2104.502/01240	REMOVE SIGN TYPE C	153 EACH
2104.502/01250	REMOVE SIGN TYPE D	8 EACH
2104.502/01300	REMOVE SIGN TYPE SPECIAL	1 EACH
2104.502/01410	REMOVE SIGNAL SYSTEM B	1 EACH
2104.502/01420	REMOVE SIGNAL SYSTEM C	1 EACH
2104.502/01910	REMOVE ENERGY ABSORBING TERMINAL	3 EACH
2104.502/03330	SALVAGE SIGN TYPE D	14 EACH
2104.502/03390	SALVAGE SIGN TYPE SPECIAL	1 EACH
2104.503/00195	SAWING CONCRETE PAVEMENT (FULL DEPTH)	63 LIN FT
2104.503/00205	SAWING BIT PAVEMENT (FULL DEPTH)	3,310 LIN FT
2104.503/00255	REMOVE PIPE CULVERTS	1,707 LIN FT
2104.503/00270	REMOVE WATER MAIN	4,171 LIN FT
2104.503/00285	REMOVE SEWER PIPE (STORM)	3,618 LIN FT
2104.503/00290	REMOVE SEWER PIPE (SANITARY)	2,170 LIN FT
2104.503/00315	REMOVE CURB & GUTTER	12,485 LIN FT
2104.503/00410	REMOVE CHAIN LINK FENCE	700 LIN FT
2104.503/00460	REMOVE GUARDRAIL-PLATE BEAM	789 LIN FT
2104.503/00820	REMOVE STEEL CASING	350 LIN FT
2104.504/00070	REMOVE PAVEMENT	34,270 SQ YD
2104.504/00080	REMOVE CONCRETE DRIVEWAY PAVEMENT	430 SQ YD
2104.504/00120	REMOVE BITUMINOUS PAVEMENT	81,627 SQ YD
2104.518/00100	REMOVE BITUMINOUS WALK	641 SQ FT
2104.518/00140	REMOVE CONCRETE WALK	37,808 SQ FT
2104.518/00200	REMOVE CONCRETE PAVEMENT	14 SQ FT
2104.518/00270	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	5,823 SQ FT
2104.602/01421	REMOVE SIGNAL SYSTEM D	1 EACH
2104.602/01422	REMOVE SIGNAL SYSTEM E	1 EACH
2104.602/01425	REMOVE SIGNAL SYSTEM H	1 EACH
2104.602/01426	REMOVE SIGNAL SYSTEM I	1 EACH
2104.603/00150	REMOVE LANDSCAPE TIMBER	237 LIN FT
2105.504/00035	GEOTEXTILE FABRIC TYPE 5	5,346 SQ YD

2105.601/00015	DEWATERING	1 LUMP SUM
2105.607/00420	EXCAVATION SPECIAL	3,234 CU YD
2105.607/00550	COMMON BORROW SPECIAL (CV)	2,531 CU YD
2105.609/00120	HAUL & DISPOSE OF CONTAMINATED MATERIAL	6,145 TON
2106.507/00010	EXCAVATION - COMMON	113,256 CU YD
2106.507/00040	EXCAVATION - SUBGRADE	38,920 CU YD
2106.507/00080	SELECT GRANULAR EMBANKMENT (CV)	45,095 CU YD
2106.507/00130	COMMON EMBANKMENT (CV)	41,136 CU YD
2123.610/00410	STREET SWEEPER (WITH PICKUP BROOM)	280 HOUR
2211.507/00170	AGGREGATE BASE (CV) CLASS 5	35,142 CU YD
2231.509/00010	BITUMINOUS PATCHING MIXTURE	100 TON
2360.504/24625	TYPE SP 12.5 WEAR CRS MIX(4;F)2.5" THICK	34 SQ YD
2360.509/12300	TYPE SP 9.5 WEARING COURSE MIX (2;C)	2,450 TON
2360.509/23205	TYPE SP 12.5 NON WEAR COURSE MIX (3;B)	725 TON
2360.509/23600	TYPE SP 12.5 WEARING COURSE MIX (3;F)	580 TON
2360.509/24205	TYPE SP 12.5 NON WEAR COURSE MIX (4;B)	19,424 TON
2360.509/24600	TYPE SP 12.5 WEARING COURSE MIX (4;F)	25,900 TON
2360.604/24645	TYPE SP 12.5 WEAR CRS MIX(4;F) 4.5" THICK	293 SQ YD
2401.508/00010	REINFORCEMENT BARS	2,582 POUND
2401.508/00011	REINFORCEMENT BARS (EPOXY COATED)	8,110 POUND
2411.507/01752	STRUCTURAL CONCRETE (1G52)	24.4 CU YD
2411.507/03752	STRUCTURAL CONCRETE (3G52)	124.9 CU YD
2411.507/04000	STRUCTURE EXCAVATION CLASS E	752 CU YD
2411.618/00325	ARCH SURFACE FINISH (SPECIAL)	2,998 SQ FT
2411.618/00542	ARCH CONC TEXTURE (LIMESTONE)	1,564 SQ FT
2412.502/08060	8X6 PRECAST CONCRETE BOX CULV END SECT	1 EACH
2412.503/08060	8X6 PRECAST CONCRETE BOX CULVERT	158 LIN FT
2451.507/00190	COARSE FILTER AGGREGATE (CV)	236 CU YD
2451.607/00440	MEDIUM FILTER AGGREGATE (CV)	135 CU YD
2451.607/00520	STRUCTURAL BACKFILL	210 CU YD
2452.618/00010	STEEL SHEET PILING	7,709 SQ FT
2501.502/01012	12" CS PIPE APRON	1 EACH
2501.502/05012	12" RC PIPE APRON	28 EACH
2501.502/05015	15" RC PIPE APRON	10 EACH
2501.502/05018	18" RC PIPE APRON	2 EACH
2501.502/05021	21" RC PIPE APRON	2 EACH
2501.502/05024	24" RC PIPE APRON	1 EACH
2501.502/05030	30" RC PIPE APRON	3 EACH
2501.502/05036	36" RC PIPE APRON	3 EACH
2501.502/05042	42" RC PIPE APRON	1 EACH
2501.502/15028	28" SPAN RC PIPE-ARCH APRON	1 EACH
2501.502/15058	58" SPAN RC PIPE-ARCH APRON	1 EACH
2501.602/60012	TRASH GUARD FOR 12" PIPE APRON	1 EACH
2501.602/60015	TRASH GUARD FOR 15" PIPE APRON	2 EACH
2501.602/60024	TRASH GUARD FOR 24" PIPE APRON	1 EACH
2501.602/60030	TRASH GUARD FOR 30" PIPE APRON	3 EACH
2501.602/60036	TRASH GUARD FOR 36" PIPE APRON	3 EACH

2501.602/60042	TRASH GUARD FOR 42" PIPE APRON	1 EACH
2501.602/60100	WEIR PLATE	6 EACH
2501.602/61058	TRASH GUARD FOR 58" SPAN PIPE APRON	1 EACH
2502.503/01040	4" TP PIPE DRAIN	235 LIN FT
2502.503/01060	6" TP PIPE DRAIN	681 LIN FT
2502.503/10040	4" PERF PE PIPE DRAIN	3,620 LIN FT
2502.503/10060	6" PERF PE PIPE DRAIN	3,102 LIN FT
2502.602/00170	CONNECT TO EXISTING PIPE DRAIN	12 EACH
2503.503/02120	12" CS PIPE SEWER	27 LIN FT
2503.503/13060	6" PVC PIPE SEWER	40 LIN FT
2503.503/13080	8" PVC PIPE SEWER	390 LIN FT
2503.503/13100	10" PVC PIPE SEWER	8 LIN FT
2503.503/18028	28" SPAN RC PIPE-ARCH SEWER CL IIA	59 LIN FT
2503.503/18036	36" SPAN RC PIPE-ARCH SEWER CL IIA	404 LIN FT
2503.503/18044	44" SPAN RC PIPE-ARCH SEWER CL IIA	94 LIN FT
2503.503/18058	58" SPAN RC PIPE-ARCH SEWER CL IIA	602 LIN FT
2503.503/19125	12" RC PIPE SEWER DES 3006 CL V	737 LIN FT
2503.503/19155	15" RC PIPE SEWER DES 3006 CL V	10,894 LIN FT
2503.503/19183	18" RC PIPE SEWER DES 3006 CL III	2,313 LIN FT
2503.503/19184	18" RC PIPE SEWER DES 3006 CL IV	240 LIN FT
2503.503/19213	21" RC PIPE SEWER DES 3006 CL III	1,649 LIN FT
2503.503/19243	24" RC PIPE SEWER DES 3006 CL III	1,109 LIN FT
2503.503/19273	27" RC PIPE SEWER DES 3006 CL III	2,044 LIN FT
2503.503/19303	30" RC PIPE SEWER DES 3006 CL III	379 LIN FT
2503.503/19363	36" RC PIPE SEWER DES 3006 CL III	885 LIN FT
2503.503/19423	42" RC PIPE SEWER DES 3006 CL III	273 LIN FT
2503.602/00300	CONNECT TO EXISTING SANITARY SEWER	1 EACH
2503.602/00310	CONNECT TO EXISTING MANHOLES (SAN)	1 EACH
2503.602/00508	8" PIPE PLUG	1 EACH
2503.603/20220	TRENCH DRAIN	10 LIN FT
2503.603/20270	PLUG FILL & ABANDON PIPE SEWER	3,689 LIN FT
2504.602/00010	CONNECT TO EXISTING WATER MAIN	10 EACH
2504.602/00020	HYDRANT	7 EACH
2504.602/00032	ADJUST GATE VALVE & BOX	2 EACH
2504.602/00410	1" CORPORATION STOP	3 EACH
2504.602/00806	6" GATE VALVE & BOX	7 EACH
2504.602/00808	8" GATE VALVE & BOX	9 EACH
2504.602/00816	16" GATE VALVE & BOX	3 EACH
2504.602/03100	1" CURB STOP & BOX	3 EACH
2504.603/00070	INSPECTION HOLE	100 LIN FT
2504.603/00710	1" TYPE K COPPER PIPE	167 LIN FT
2504.603/01062	6" WATERMAIN DUCTILE IRON CL 52	222 LIN FT
2504.603/01082	8" WATERMAIN DUCTILE IRON CL 52	1,986 LIN FT
2504.603/01102	10" WATERMAIN DUCTILE IRON CL 52	45 LIN FT
2504.603/01162	16" WATERMAIN DUCTILE IRON CL 52	2,311 LIN FT
2504.603/09001	WATERMAIN LINING	245 LIN FT
2504.604/01100	4" POLYSTYRENE INSULATION	63 SQ YD

2504.608/00020	DUCTILE IRON FITTINGS	4,597 POUND
2506.502/00301	CONST DRAINAGE STRUCTURE DESIGN SPEC 1	1 EACH
2506.502/00302	CONST DRAINAGE STRUCTURE DESIGN SPEC 2	1 EACH
2506.502/00303	CONST DRAINAGE STRUCTURE DESIGN SPEC 3	1 EACH
2506.502/06000	CASTING ASSEMBLY	321 EACH
2506.502/06020	ADJUST FRAME & RING CASTING	6 EACH
2506.503/00060	CONST DRAINAGE STRUCTURE DESIGN F	363 LIN FT
2506.503/00070	CONST DRAINAGE STRUCTURE DESIGN G	688.5 LIN FT
2506.503/00080	CONST DRAINAGE STRUCTURE DESIGN H	28.7 LIN FT
2506.503/00190	CONST DRAINAGE STRUCTURE DESIGN SD-48	26 LIN FT
2506.503/02420	CONST DRAINAGE STRUCTURE DES 48-4020	40.9 LIN FT
2506.503/03020	CONST DRAINAGE STRUCTURE DES 60-4020	278.5 LIN FT
2506.503/03320	CONST DRAINAGE STRUCTURE DES 66-4020	10.7 LIN FT
2506.503/03620	CONST DRAINAGE STRUCTURE DES 72-4020	29.6 LIN FT
2506.503/03920	CONST DRAINAGE STRUCTURE DES 78-4020	5.1 LIN FT
2506.503/04220	CONST DRAINAGE STRUCTURE DES 84-4020	13.3 LIN FT
2506.503/04520	CONST DRAINAGE STRUCTURE DES 90-4020	19 LIN FT
2506.503/05120	CONST DRAINAGE STRUCTURE DES 102-4020	8.1 LIN FT
2506.503/08000	RECONSTRUCT DRAINAGE STRUCTURE	4.9 LIN FT
2506.602/02110	STRUCTURE BAFFLE	10 EACH
2506.602/06120	INSTALL MANHOLE	1 EACH
2506.602/06220	CONNECT TO EXISTING STRUCTURE	2 EACH
2506.602/06401	CONST DRAINAGE STRUCTURE DESIGN SPEC 4	1 EACH
2506.602/06402	CONST DRAINAGE STRUCTURE DESIGN SPEC 5	1 EACH
2511.504/00014	GEOTEXTILE FILTER TYPE 4	913 SQ YD
2511.507/00013	RANDOM RIPRAP CLASS II	76 CU YD
2511.507/00014	RANDOM RIPRAP CLASS III	157 CU YD
2511.507/00015	RANDOM RIPRAP CLASS IV	40 CU YD
2511.507/00022	GRANULAR FILTER	39 CU YD
2521.518/00040	4" CONCRETE WALK	81,844 SQ FT
2521.518/00060	6" CONCRETE WALK	15,474 SQ FT
2531.503/02120	CONCRETE CURB & GUTTER DESIGN B424	33,424 LIN FT
2531.503/02310	CONCRETE CURB & GUTTER DESIGN B612	216 LIN FT
2531.503/02315	CONCRETE CURB & GUTTER DESIGN B618	5,632 LIN FT
2531.503/02320	CONCRETE CURB & GUTTER DESIGN B624	8,020 LIN FT
2531.503/02516	CONCRETE CURB & GUTTER DESIGN B818	459 LIN FT
2531.503/02520	CONCRETE CURB & GUTTER DESIGN B824	596 LIN FT
2531.503/22630	CONCRETE CURB & GUTTER DESIGN V1024	295 LIN FT
2531.504/00060	6" CONCRETE DRIVEWAY PAVEMENT	23 SQ YD
2531.504/00080	8" CONCRETE DRIVEWAY PAVEMENT	529 SQ YD
2531.603/24130	CONCRETE CURB DESIGN V	304 LIN FT
2531.618/00010	TRUNCATED DOMES	1,953 SQ FT
2533.503/03010	PORTABLE PRECAST CONC BARRIER DES 8337	1,200 LIN FT
2533.503/03030	RELOCATE PORT PRECAST CONC BAR DES 8337	1,200 LIN FT
2540.602/00155	RELOCATE MAIL BOX SUPPORT	3 EACH
2554.502/00024	END TREATMENT-TANGENT TERMINAL	1 EACH
2554.503/02038	TRAFFIC BARRIER DESIGN B8338	204 LIN FT

2554.615/00009	IMPACT ATTENUATOR	4 ASSEMBLY
2554.615/00025	RELOCATE IMPACT ATTENUATOR	4 ASSEMBLY
2557.503/01223	WIRE FENCE DESIGN 48V-9322	277 LIN FT
2557.503/01523	WIRE FENCE DESIGN 60V-9322	136 LIN FT
2563.601/00001	TRAFFIC CONTROL SUPERVISOR	1 LUMP SUM
2563.601/00010	TRAFFIC CONTROL	1 LUMP SUM
2563.601/00100	ALTERNATE PEDESTRIAN ROUTE	1 LUMP SUM
2563.601/00215	DETOUR SIGNING STAGE 1	1 LUMP SUM
2563.601/00216	DETOUR SIGNING STAGE 2	1 LUMP SUM
2563.601/00230	DETOUR SIGNING REGIONAL	1 LUMP SUM
2563.602/00028	PORTABLE CONCRETE BARRIER DELINEATOR	100 EACH
2563.613/01100	PORTABLE CHANGEABLE MESSAGE SIGN	600 UNIT DAY
2563.618/00011	CONSTRUCTION SIGN-SPECIAL	500 SQ FT
2564.502/00214	INSTALL SIGN TYPE D	14 EACH
2564.502/01402	OBJECT MARKER TYPE X4-2	27 EACH
2564.502/01404	OBJECT MARKER TYPE X4-4	1 EACH
2564.518/00130	SIGN PANELS TYPE C	1,766 SQ FT
2564.518/00140	SIGN PANELS TYPE D	85 SQ FT
2564.518/00170	SIGN PANELS TYPE OVERLAY	10 SQ FT
2564.602/01820	INSTALL SIGN TYPE SPECIAL	1 EACH
2565.501/00042	EMERGENCY VEHICLE PREEMPTION SYSTEM B	1 LUMP SUM
2565.501/00043	EMERGENCY VEHICLE PREEMPTION SYSTEM C	1 LUMP SUM
2565.501/00044	EMERGENCY VEHICLE PREEMPTION SYSTEM D	1 LUMP SUM
2565.501/00045	EMERGENCY VEHICLE PREEMPTION SYSTEM E	1 LUMP SUM
2565.501/00110	TRAFFIC CONTROL INTERCONNECT	1 LUMP SUM
2565.516/00030	TRAFFIC CONTROL SIGNAL SYSTEM B	1 SYSTEM
2565.516/00040	TRAFFIC CONTROL SIGNAL SYSTEM C	1 SYSTEM
2565.601/00048	EMERGENCY VEHICLE PREEMPTION SYSTEM H	1 LUMP SUM
2565.601/00049	EMERGENCY VEHICLE PREEMPTION SYSTEM I	1 LUMP SUM
2565.616/00045	TRAFFIC CONTROL SIGNAL SYSTEM D	1 SYSTEM
2565.616/00055	TRAFFIC CONTROL SIGNAL SYSTEM E	1 SYSTEM
2565.616/00070	TRAFFIC CONTROL SIGNAL SYSTEM H	1 SYSTEM
2565.616/00085	TRAFFIC CONTROL SIGNAL SYSTEM I	1 SYSTEM
2565.616/00101	REVISE SIGNAL SYSTEM A	1 SYSTEM
2565.616/00106	REVISE SIGNAL SYSTEM F	1 SYSTEM
2565.616/00107	REVISE SIGNAL SYSTEM G	1 SYSTEM
2565.616/00110	REVISE SIGNAL SYSTEM J	1 SYSTEM
2565.616/00301	TEMPORARY SIGNAL SYSTEM A	1 SYSTEM
2565.616/00302	TEMPORARY SIGNAL SYSTEM B	1 SYSTEM
2565.616/00303	TEMPORARY SIGNAL SYSTEM C	1 SYSTEM
2565.616/00304	TEMPORARY SIGNAL SYSTEM D	1 SYSTEM
2565.616/00306	TEMPORARY SIGNAL SYSTEM F	1 SYSTEM
2565.616/00307	TEMPORARY SIGNAL SYSTEM G	1 SYSTEM
2565.616/00311	TEMPORARY SIGNAL SYSTEM K	1 SYSTEM
2572.503/00020	TEMPORARY FENCE	768 LIN FT
2573.501/00030	EROSION CONTROL SUPERVISOR	1 LUMP SUM
2573.502/00110	STORM DRAIN INLET PROTECTION	318 EACH

2573.502/00140	CULVERT END CONTROLS	17 EACH
2573.503/00023	SILT FENCE; TYPE MS	12,924 LIN FT
2573.503/00030	FLOTATION SILT CURTAIN TYPE STILL WATER	287 LIN FT
2573.503/00061	SEDIMENT CONTROL LOG TYPE WOOD FIBER	4,625 LIN FT
2574.505/00020	SOIL BED PREPARATION	17.3 ACRE
2574.507/00103	FILTER TOPSOIL BORROW	4,173 CU YD
2574.508/00013	FERTILIZER TYPE 3	6,052 POUND
2575.504/00050	EROSION CONTROL BLANKETS CATEGORY 0	5,020 SQ YD
2575.504/00073	EROSION CONTROL BLANKETS CATEGORY 3N	234 SQ YD
2575.504/00110	RAPID STABILIZATION METHOD 4	14,065 SQ YD
2575.505/00021	SEEDING	17.3 ACRE
2575.508/25121	SEED MIXTURE 25-121	354 POUND
2575.508/25131	SEED MIXTURE 25-131	2,287 POUND
2575.508/33261	SEED MIXTURE 33-261	39 POUND
2575.508/40003	HYDRAULIC REINFORCED FIBER MATRIX	67,428 POUND
2575.523/00020	RAPID STABILIZATION METHOD 3	73 M GALLON
2580.501/00010	INTERIM PAVEMENT MARKING	1 LUMP SUM
2581.503/00010	REMOVABLE PREFORM PAVEMENT MARKING TAPE	500 LIN FT
2582.503/36104	4" SOLID LINE MULTI COMP GR IN	20,697 LIN FT
2582.503/36124	24" SOLID LINE MULTI COMP GR IN	511 LIN FT
2582.503/36204	4" BROKEN LINE MULTI COMP GR IN	10,708 LIN FT
2582.503/36404	4" DBLE SOLID LINE MULTI COMP GR IN	1,879 LIN FT
2582.503/76124	24" SOLID LINE PREF THERMO GR IN	1,333 LIN FT
2582.503/76304	4" DOTTED LINE PREF THERMO GR IN	301 LIN FT
2582.518/04020	PAVT MSSG PREF THERMO GR IN	2,857 SQ FT
2582.518/08020	CROSSWALK PREF THERMO GR IN	7,644 SQ FT