IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR BLACK HAWK MARSH GAME ROAD MAINTENANCE

SAC COUNTY, IOWA

DOT PROJECT #SP-00SP(3)--7C-00 DNR PROJECT #21-01-81-02



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PROJECT DESCRIPTION

This project consists of granular roadway maintenance - culvert installation, clearing/grubbing ditch cleaning, blading/shaping and spreading new rock.



AUTHORIZA	TION TO BID
Karen Kinkead	Digitally signed by Karen Kinkead Date: 2020.11.12 12:19:35 -06'00'
AUTHORIZATION - PARKS WILDLIFE FISHERI	ES LAW ENFORCEMENT FORESTRY DATE
ENGINEERING BUREAU CHIEF	11/12/2020 DATE

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PROJECT	MANAGER	CONSTRUCTION INSPECTOR				
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES			
ADDRESS	502 EAST 9TH STREET	ADDRESS				
CITY,STATE,ZIP	DES MOINES, IA, 50319	CITY,STATE,ZIP				
CONTACT	BRUCE L. FLIPPIN	CONTACT	JEFF FELTS			
TELEPHONE	515-689-8009	TELEPHONE	515-250-3712			
FAX	515-281-8685	FAX				
EMAIL	bruce.flippin@dnr.iowa.gov	EMAIL	jeff.felts@dnr.iowa.gov			

	SHEET INDEX			
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Normal Subgrade Limit WIDTH Varies WIDTH 14′ VARIES ROCK Profile Grade- \bigcirc REMOVE ANY HIGH SHOULD AREA 2 4 FEET PAST EDGE OF ROADWAY \sim 4.0% ---> 4.0% % VARIES % VARYES EXISTING FORESLOPE SUBGRADE EARTH SHOULDERS-E X I S T I NG V A R I E S

Note:

Normal sections shown may be appropriately modified for areas specifically designated by the Engineer.

Typical Roadway Section - Center Crown

STATION	TO	STATION	LOCATION	WIDTH
0+00		67+09	NORTH/SOUTH	14′
100+00		115+03	EAST/WEST	14′



ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	2101 - CLEARING, EACH, 15" - 18"	EACH	2
2	2101 - CLEARING, EACH, 24" - 30"	EACH	7
3	2101 - CLEARING, EACH, 30" - 36"	EACH	4
4	2101 - CLEARING, EACH, 36" - 42"	EACH	1
5	2101 - CLEARING, EACH, 42" - 48"	EACH	1
6	2101 - CLEARING, EACH, 48" - 60"	EACH	4
7	2101 - CLEAR AND GRUBB, EACH, 9' - 12'	EACH	2
8	2101 - CLEAR AND GRUBB, EACH, 30" - 36"	EACH	1
9	2101 - CLEAR AND GRUBB, EACH, 48" - 60"	EACH	1
10	2127 - RECONSTRUCTION OF ROADBED - BLADING/SHAPING	STA	82.2
11	2312 - GRANULAR SURFACING ON ROAD, CRUSHED STONE, CLASS A	TON	2213
12	2417 - APRON, METAL, 24"	EACH	2
13	2417 - CULV, CMP RDWY, 24"	LF	40
14	2507 - ENGINEERING FABRIC	SY	89
15	2507 - REVETMENT, CLASS E	TON	20
16	2518 - SAFETY CLOSURE	EACH	2
17	2528 - TRAFFIC CONTROL	LS	1
18	2533 - MOBILIZATION	LS	1

ESTIMATE REFERENCE INFORMATION

DESCRIPTION

1-6 A. Cut down within 2-feet of ground.

- B. Move all cleared trees to tree disposal site indicated on plans.
- 7-9 A. Move all cleared/grubbed trees to tree disposal site indicated on plans.
- A. Repair all potholes by scarifying surrounding area to depth of pothoe and recompacting.
 B. Re-establish roadway crown 4% positive drainage each way from centerline; 4% across the width in banked sections.
 - C. Remove any high shoulder areas before spreading new rock incorporate into existing roadway see sheet B.01.
- 11 A. From DOT approved source.
 - B. Approximate 3-inch depth.
 - C. A final leveling of the aggregate after being dumped, is required
- A. Install at flowline.
 B. DOT approved source.

ITEM

NO.

- 13 A. Install at flowline.B. DOT approved source.
- 14 A. Inlet/Outlet of culvert.
- B. DOT approved source.
- A. Inlet/Outlet of culvert.
 B. DOT approved source.
- 16 A. Follow current Iowa DOT Standard Specifictins section 2518 for safety closure requirements.

Contact DNR Field Engineer with any questions concerning staging or material storage.

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

All work shall conform to and be performed in accordance with al ordinances.

The contractor shall visit the site and inspect the project area and themselves with the actual job conditions prior to bidding and the visit the project site shall not relieve the contractor from performing to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and condition shall notify the DNR Engineer of any discrepancies, omissions, and, proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or material (excavated material or broken concrete) which is not desi into the work involved on this project. No payment for overhaul w hauled to these sites. No material shall be placed within the rightstated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas and desirable construction limits. The contractor will not be permitted to park o equipment or use these areas for storage of materials. Storage, pawill be subject to the approval of the DNR Engineer.

Where utilities and fixtures are shown as Existing on the plans or e construction area, it shall be the responsibility of the contractor to of those utilities prior to the beginning of any construction. The co access to these facilities for necessary modification of services. Un structures and utilities have been plotted from available surveys ar their locations must be considered approximate only. It is possible existence of which is presently not known or shown. It is the contracter determine their existence and exact location and to avoid damage additional compensation will be allowed to the contractor for any i caused by such work.

The contractor shall shape graded area to maintain surface drainage finish grade.

The contractor is expected to have materials, equipment, and labo to install and maintain erosion control features on the project. This fence, rock ditch checks, silt basins or silt dikes.

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	OCT 2020 SHEET NO:	_
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BLACK HAWK PROJECT OVE

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FEET

TREE DISPOSAL SITE

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	CONSULTANT:		
	IOWA DEPARTMENT OF	INATURAL RESOURCES ENGINEERING SERVICES - WALLACE BUILING	302 E. YIH 31., LES MONES, IA 2317-0034
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