F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
24	*	JOHNSON	150	68
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (44-5,6)RS, BSMART FY04-3
98836

GENERAL CLEANING OF APRON
EXCAVATED MATERIAL TO BE PLACED BEHIND WINGWALLS
COST TO INCLUDE RESEEDING
LT. STA. 720+20 (℄ WBL)

GENERAL CLEARING AROUND HEADWALL AND WINGWALLS
LT. STA. 720+20 (℄ WBL)

STONE DUMPED RIPRAP, CLASS A4
5' X 7' X 16"
LT. STA. 720+20 (℄ WBL)

GENERAL CLEANING OF DITCH FOR IMPROVED FLOW, EXCAVATED MATERIAL TO BE PLACED BEHIND WINGWALLS
COST TO INCLUDE RESEEDING
LT. STA. 727+86 (℄ WBL)

GENERAL CLEARING AROUND HEADWALL
LT. STA. 727+86 (℄ WBL)

GENERAL CLEANING OF CULVERT AND DITCH FOR IMPROVED FLOW
LT. STA. 730+90 (℄ WBL)

ENERGY DISSIPATOR TO BE PAID FOR AS STONE DUMPED RIPRAP, CLASS A4
COST TO INCLUDE PLACING EXCAVATED MATERIAL, GENERAL CLEANING OF APRON, AND RESEEDING
SEE DETAIL SHEET 109
LT. STA. 735+60 (℄ WBL)

℄ TR 140

SN 044-0051

GENERAL CLEANING OF DITCH FOR IMPROVED FLOW
LT. STA. 742+88 (℄ WBL)

GENERAL CLEARING AROUND HEADWALL AND 10' UP THE FORESLOPE
LT. STA. 742+88 (℄ WBL)

GENERAL CLEANING OF INLET
LT. STA. 746+61 (℄ WBL)

℄ W.B. LANES

EXIST.

R.O.W.

PC Sta 739+21.19

LINE

GENERAL CLEARING AROUND HEADWALL AND WINGWALLS
RT. STA. 720+40 (℄ WBL)

GENERAL CLEANING OF APRON
RT. STA. 720+40 (℄ WBL)

STONE DUMPED RIPRAP, CLASS A4
5' X 14' X 16"
COST TO INCLUDE GENERAL CLEARING AROUND HEADWALL AND DOWNSTREAM TO THE WESTBOUND CULVERT LT. STA. 358+75 (℄ EBL)

DISK AND RESEED 20' X 20'
LT. STA. 369+58 (℄ EBL)

DISK AND RESEED 20' X 20'
LT. STA. 374+58 (℄ EBL)

EXCAVATION TO REPAIR CULVERTS
GRADING AND SHAPING FORESLOPES
45' X 45' LT. STA. 366+45 (℄ EBL)

PC Sta 374+61.48

POT Sta 922+00.00

GENERAL CLEARING AROUND HEADWALLS AND 10' UP PAVED DITCH
RT. STA. 380+75 (℄ EBL)

GENERAL CLEANING OF APRON
RT. STA. 380+75 (℄ EBL)

EARTH EXCAVATION
20' X 15' X 10"
LT. STA. 369+84 (℄ EBL)

GENERAL CLEARING AROUND HEADWALL
RT. STA. 375+19 (℄ EBL)

GENERAL CLEANING OF APRON AND 10' UPSTREAM AS NEEDED
RT. STA. 375+19 (℄ EBL)

EARTH EXCAVATION
20' X 15' X 1'
COST TO INCLUDE GENERAL CLEARING AROUND HEADWALL AND 10' UPSTREAM
RT. STA. 386+76 (℄ EBL)

℄ E.B. LANES

EARTH EXCAVATION
18' X 15' X 8"
COST TO INCLUDE GENERAL CLEARING AROUND HEADWALL
RT. STA. 358+82 (℄ EBL)

EARTH EXCAVATION
20' X 15' X 10"
COST TO INCLUDE GENERAL CLEARING AROUND HEADWALL PLACE EXCESS EARTH BACK IN THE MEDIAN AROUND INLET
RT. STA. 365+75 (℄ EBL)

EARTH EXCAVATION
20' X 15' X 10"
COST TO INCLUDE GENERAL CLEARING AROUND HEADWALL AND UPSTREAM AS NEEDED FOR FLOW
RT. STA. 367+00 (℄ EBL)

100' 0 50' 100'

EXIST. CURVE 101
PI STA. = 753+25.43
Δ = 39° 25' 18" (RT)
D = 1° 27' 42"
R = 3,919.53'
T = 1,404.24'
L = 2,696.79'
E = 243.95'
S.E. = 4.2%
P.C. STA. = 739+21.19
P.T. STA. = 766+17.98

EQ. 52' LT. STA. 766+19.20
BK (℄ WBL) =
STA. 403+52.86 AH (℄ MEDIAN)

℄ MEDIAN F.A.I. 24

GENERAL CLEARING
LT. STA. 417+13 TO STA. 417+23 (℄ WBL)

GENERAL CLEARING 10' FROM EOS TO OUTLET
30' CENTERED ON CULVERT, FILL EXISTING
50' X 6' X 4' EROSION WITH EMBANKMENT
GRADING AND SHAPING FORESLOPES
66' X 30' LT. STA. 415+53 (℄ WBL)

GENERAL CLEARING
LT. STA. 413+06 TO STA. 414+00 (℄ WBL)
LT. STA. 414+00 (℄ WBL) 10' LONG
LT. STA. 414+60 TO STA. 416+00 (℄ WBL)
LT. STA. 415+60 (℄ WBL) 15' LONG

GENERAL CLEARING
GRADING AND SHAPING FORESLOPES
80' X 50' COST TO INCLUDE
GENERAL CLEANING OF APRON
LT. STA. 417+75 (℄ WBL)

1 2 3 4 5 SEE NOTES BELOW
FOR EXPLANATION
LT. STA. 418+96 (℄ WBL)

GENERAL CLEARING
30' LONG LT. STA. 418+97 (℄ EBL)
LT. STA. 418+75 TO STA. 419+18 (℄ WBL)
LT. STA. 419+18 TO STA. 419+52 (℄ WBL)

EXIST.

R.O.W.

POT Sta 403+52.86

PT Sta 766+17.98

SEAL EXIST. JOINT W/MASTIC. COST TO BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 (b) OF THE STANDARD SPECS.
LT. STA. 411+15 (℄ WBL)
LT. STA. 412+53 (℄ WBL)
LT. STA. 416+69 (℄ WBL)

1 2 3 4 5 SEE NOTES BELOW
FOR EXPLANATION
LT. STA. 415+53 (℄ WBL)

LINE

EQ. 52' RT. STA. 403+54.97
BK (℄ WBL) =
STA. 403+52.86 AH (℄ MEDIAN)

℄ E.B. LANES

EXIST.

PT Sta 403+56.42

GENERAL CLEANING OF APRON PLACE EXCAVATED MATERIAL BEHIND SOUTH WINGWALL, COST TO INCLUDE RESEEDING, RT. STA. 409+00 (℄ EBL)

TREE REMOVAL, ACRES
RT. STA. 409+65 TO STA. 412+10 (℄ EBL)

GABIONS
SEE SCOUR REPAIR DETAIL SHEET 105

PC Sta 417+68.61

GRADING AND SHAPING FORESLOPES
45' X 20' START 20' DOWN FORESLOPE CENTERED ON PIPE COST TO INCLUDE GENERAL CLEARING
RT. STA. 418+22 (℄ EBL)

1 2 3 4 5 SEE NOTES BELOW
FOR EXPLANATION
RT. STA. 418+22 (℄ EBL)

TREE REMOVAL, ACRES 100' X 20' CENTERED ON CULVERT
RT. STA. 419+11 (℄ EBL)

ENERGY DISSIPATOR BE PAID FOR AS STONE DUMPED RIPRAP, CLASS A4
SEE DETAIL SHEET 109
COST TO INCLUDE GENERAL CLEARING OF APRON RT. STA. 419+11 (℄ EBL)

WOVEN WIRE FENCE REMOVAL
WOVEN WIRE FENCE, 4' (LT. AND RT.)

SEAL EXIST. JOINT W/MASTIC. COST TO BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 (b) OF THE STANDARD SPECS.
RT. STA. 410+20 (℄ EBL)
RT. STA. 411+30 (℄ EBL)

GENERAL CLEARING 95' X 20' CENTERED ON CULVERT 20' FROM EOS TO 15' PAST OUTLET
RT. STA. 413+22 (℄ EBL)

1 2 3 4 SEE NOTES BELOW
FOR EXPLANATION
RT. STA. 413+22 (℄ EBL)

EXIST. CURVE 3
PI STA. = 389+82.56
Δ = 43° 27' 06" (RT)
D = 1° 30' 03"
R = 3,817.30'
T = 1,521.08'
L = 2,894.94'
E = 291.89'
S.E. = 4.2%
P.C. STA. = 374+61.48
P.T. STA. = 403+56.42

NOTES:
1. REMOVING INLETS
2. PIPE CULVERT REMOVAL
3. REPAIR SLOPE WITH STONE RIPRAP, CLASS A3, SEE DETAIL SHEET 109
   RT. STA. 413+22 (℄ EBL) BEGIN RIPRAP 30' FROM EOS.
   RT. STA. 418+22 (℄ EBL) BEGIN RIPRAP 25' FROM EOS.
4. COST TO INCLUDE RESHAPING EARTH FOR RESEEDING WITH 3.
5. RIPRAP SLURRY

FOR LOCATIONS OF BITUMINOUS CURB REMOVAL AND REPAIR, SEE SAFETY PLANS SHEET 97.

100' 0 50' 100'

STA. 356+00 TO STA. 420+00 (EB)
STA. 718+00 TO STA. 420+00 (WB)

Wed Feb 11 08:30:51 2004
G:\projects\d90202\d90202s3.dgn LV=2-4-20,22-24-46,49-63
DMS:\d90202\d90202sa.dgn,356A LV=2-19,22-24-35,37-46,50-62
DMS:\d90202\d90202ab.dgn,357P LV=1-29,31-59,61-63