

SUMMARY OF QUANTITIES				100% STATE
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
				CH 92 SFTY-2A
20201006	GRADING AND SHAPING SHOULDERS	UNIT	1	1
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	43	43
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	28	28
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	28	28
28000400	PERIMETER EROSION BARRIER	FOOT	111	111
28100103	STONE RIPRAP, CLASS A2	SQ YD	40	40
28100105	STONE RIPRAP, CLASS A3	SQ YD	16	16
28200200	FILTER FABRIC	SQ YD	57	57
20900110	POROUS GRANULAR BACKFILL	CU YD	140	140
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	70	70
50102400	CONCRETE REMOVAL	CU YD	11	11
50200100	STRUCTURE EXCAVATION	CU YD	62	62
50202901	COFFERDAM (LOCATION-1)	EACH	1	1
50300225	CONCRETE STRUCTURES	CU YD	12	12
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,660	1,660

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				CH 92 SFTY-2A
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	13	13
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	106	106
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1
63200310	GUARDRAIL REMOVAL	FOOT	115	115
67100100	MOBILIZATION	L SUM	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	100	100
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	3	3
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1
X0321781	MECHANICAL SPLICE	EACH	8	8
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1	1
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2

* SPECIALTY ITEM

CP #2, $5_8"$ ϕ Iron Rod Found at Sta. 130+22.30, 53.60' Lt., Elev. 632.48

22'-3" Long C.I.P. L-Shaped Wingwall For Culvert under CH 92 (Forest Way Drive).

- Proposed 9" S.E. Wingwall & Footing

*
Exist. Footing & Shoulder will
Remain in Place and must not
be Disturbed in any Way.

*Exist. Guardrail to be Removed
and Replaced with New Guardrail
(See Roadway Plans)*

See Detail "A", below for removal
of Exist. S.E. Wingwall and Footing

© CH 92 (Forest Way Drive)

$$R_C = 1,150.0'$$

PLAN

Culvert Under CH 92 (Forest Way Drive)
at Stg. 131+20

*
6" Min. Existing Reinforcement
Bars to Remain

MIN. BAR LAP

#5 Bars = 2'-2"

LEGEND:

B.F. = Back Face
E.F. = Each Face

LEGEND:

Concrete Removal

NOTE:

The Contractor must not Disturb the Soil Under the Footing During Concrete Removal

DESIGN STRESSES

FIELD UNITS

$$f_y = 60,000 \text{ psi}$$
 $f'_c = 3,500 \text{ psi}$

DESIGN SPECIFICATIONS

AASHTO 17th Edition-2002

GENERAL NOTES:

Plan Dimensions and Details relative to Existing Plans are subject to nominal Construction variations. The Contractor shall field verify Existing Dimensions and Details affecting New Construction and make necessary approved adjustments prior to Construction or ordering of Materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

All Exposed Concrete Edges shall be Chamfered $\frac{3}{4}$ ", Unless Otherwise Noted.

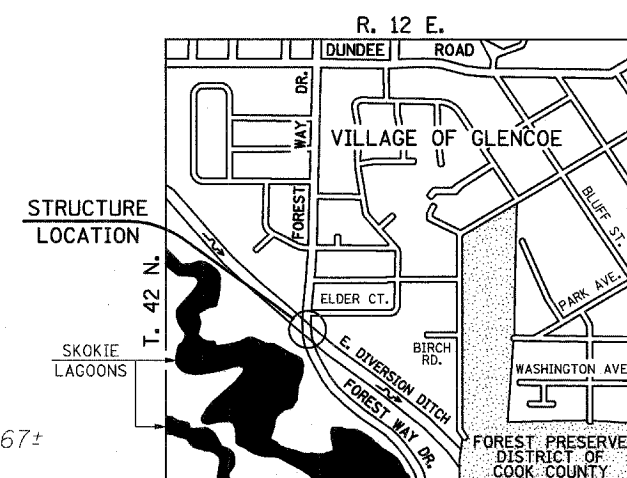
For Soil Boring Logs, See Sht. S3.

Reinforcement Bars shall conform to the Requirements of ASTM A 706, Grade 60. See Special Provisions

Reinforcement Bars designated (E) shall be Epoxy Coated.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	10	#5	21'-11"	—
h ₁ (E)	3	#5	22'-8"	—
v(E)	23	#6	7'-4"	—
v ₁ (E)	23	#5	6'-8"	—
w(E)	8	#5	21'-5"	—
w ₁ (E)	3	#5	21'-11"	—
z(E)	34	#7	10'-1"	┐
Concrete Structures			Cu. Yd.	11.6
Structure Excavation			Cu. Yd.	62
Reinforcement Bars, Epoxy Coated			Pound	1,660
Concrete Removal			Cu. Yd.	10.5
Porous Granular Backfill			Cu. Yd.	52
COFFERDAM, LOCATION 1			Each	1
Geocomposite Wall Drain			Sq. Yd.	13
Mechanical Splice			Each	8



LOCATION SKETCH



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS / PLANNERS / SURVEYORS
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PHONE: (312)372-2023 FAX: (312)372-5274

△ Rev. 4-8-00

FILE NAME = plan.sections.dgn	USER NAME = IDOT	DESIGNED - B.N.S.	REVISED -
		DRAWN - R.E.S./F.M.	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - B.N.S./J.C.N.	REVISED -
	PLOT DATE = 1/30/2009	DATE - JANUARY 27, 2009	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WINGWALL PLAN & ELEVATION
CH 92 (FOREST WAY DRIVE)**

SCALE:	SHEET NO. 51 OF 53 SHEETS	STA.	TO STA.
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CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2008-029 I	COOK	14	
		CONTRACT NO. 60E		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

