

TYPICAL CROSS SECTION LEGEND

EXISTING

- 1 PORTLAND CEMENT CONCRETE SIDEWALK
- 2 COMBINATION CURB AND GUTTER REMOVAL (TYPE B-6.12)
- 3 HOT-MIX ASPHALT BINDER & SURFACE COURSE, 2" -13 1/2"
- 4 EARTH EXCAVATION (SPECIAL)
- 5 GRASS PARKWAY
- 6 POZZOLANIC BASE COURSE, 8"-14"
- 7 CRUSHED STONE BASE COURSE, 8" - 9"
- 8 VARIOUS CLAY SOILS
- 9 NON-SPECIAL WASTE DISPOSAL
- 10 GEOTEXTILE FABRIC

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
INCIDENTAL HOT-MIX ASPHALT SURFACING - BUTT JOINT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
INCIDENTAL HOT-MIX ASPHALT SURFACING - HMA PARKWAYS	
HOT-MIX ASPHALT SURFACE COURSE, IL 19.8, N50, 3" (2 LIFTS)	4% @ 50 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 1.5"	4% @ 50 Gyr.

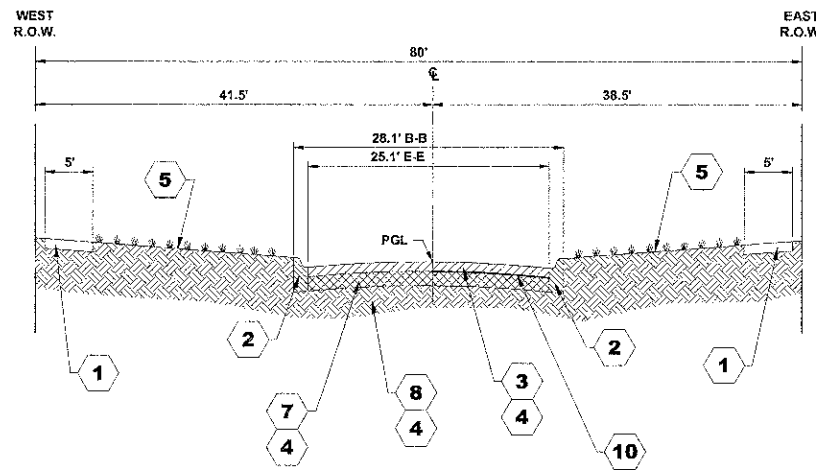
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 78-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

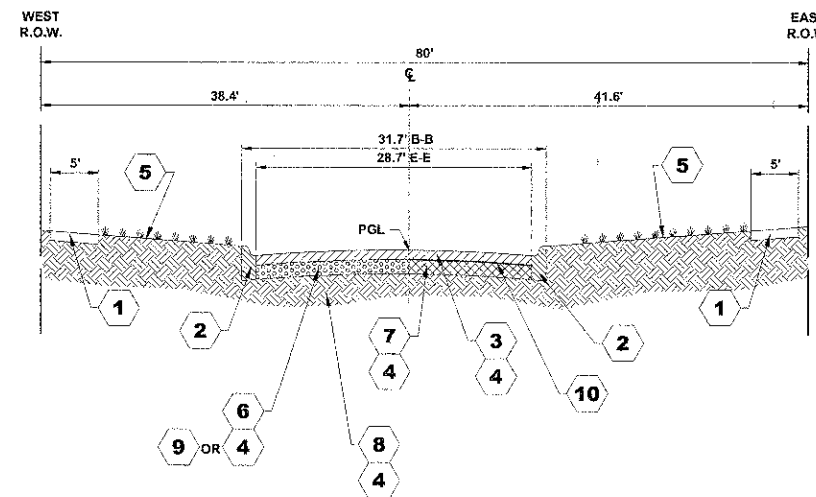
NOTES:

ACCORDING TO SOIL BORINGS TAKEN IN JULY OF 2012, IT IS ANTICIPATED THAT THE WEST HALF OF THIS EXISTING ROADWAY IS CONSTRUCTED OF A POZZOLANIC BASE MATERIAL. FURTHER TESTING SUGGESTS THAT THIS BASE MATERIAL MAY POSSESS A PH VALUE THAT COULD TRIGGER REJECTION FROM CCDD FACILITIES IF THE MATERIAL GRANULIZES DURING THE EXCAVATION PROCESS. AS A RESULT OF THIS INFORMATION, THE EXCAVATION OF THE EXISTING ROADWAY AREA, WEST OF THE ROADWAY CENTER-LINE, IS NOT INCLUDED IN THE QUANTITY FOR EARTH EXCAVATION (SPECIAL), BUT IS INCLUDED IN THE PAY ITEM, NON-SPECIAL WASTE DISPOSAL. DUE TO THE PROBABLE MIXING OF MATERIAL, ANY EARTH EXCAVATION BELOW THE POZZOLANIC BASE WILL ALSO BE INCLUDED IN THE PLAN CALCULATIONS FOR NON-SPECIAL WASTE DISPOSAL. IF DURING CONSTRUCTION IT IS FOUND THAT THE EXISTING BASE IS NOT COMPRISED OF POZZOLANIC BASE, OR THAT THE CONTRACTOR'S SELECTED CCDD FACILITY IS ACCEPTING THE EXCAVATED MATERIAL, NEW CALCULATIONS WILL BE COMPUTED TO ILLUSTRATE THE CHANGE IN EXPECTED CONDITIONS.

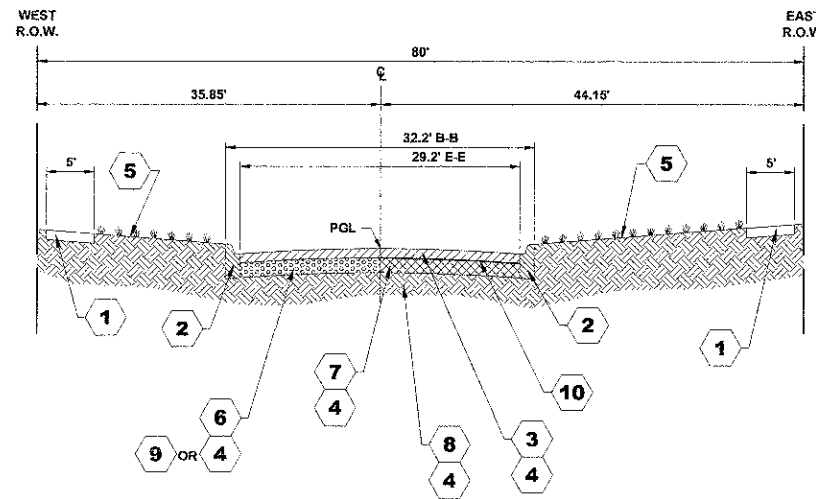
NO COST ADJUSTMENTS TO UNIT PRICES WILL BE MADE FOR VARIATIONS IN MATERIAL TYPE OR THICKNESS THAT MAY BE ENCOUNTERED.



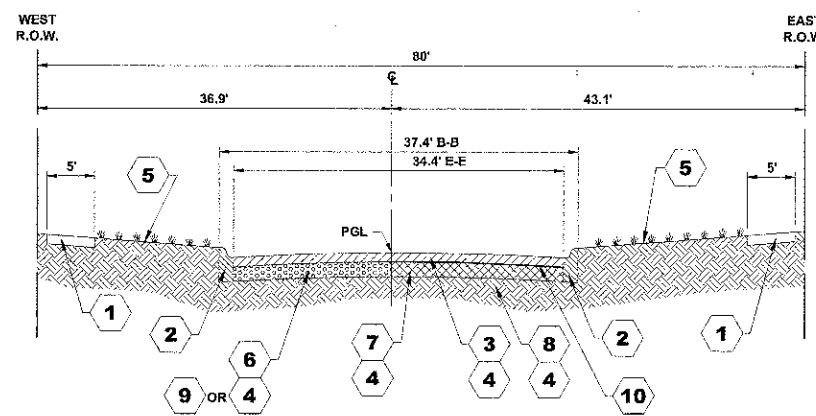
EXISTING TYPICAL CROSS SECTION
ELM STREET
(STA. 1+88 TO STA. 10+60)



EXISTING TYPICAL CROSS SECTION
ELM STREET
(STA. 10+60 TO STA. 15+10)



EXISTING TYPICAL CROSS SECTION
ELM STREET
(STA. 15+10 TO STA. 17+00)



EXISTING TYPICAL CROSS SECTION
ELM STREET
(STA. 17+40 TO STA. 30+50)

PAVEMENT CORE SUMMARY

BORE	STREET	STATION	LANE	BITUMINOUS	POZZOLANIC	STONE BASE	WATER DEPTH
C-1	ELM	3+00, 8' RT	NORTHBOUND LANE	3 1/2"	0"	8"	5.0'
C-2	ELM	6+00, 8' LT	SOUTHBOUND LANE	3"	0"	9"	5.0'
C-3	ELM	9+00, 9' RT	NORTHBOUND LANE	3 1/2"	0"	8"	5.5'
C-4	ELM	12+00, 11' LT	SOUTHBOUND LANE	2"	10"	0"	DRY
C-5	ELM	15+00, 11' RT	NORTHBOUND LANE	13 1/2"	0"	4"	DRY
C-6	ELM	18+00, 10' LT	SOUTHBOUND LANE	3"	10"	0"	13.0'
C-7	ELM	21+00, 16' RT	NORTHBOUND LANE	4 1/2"	0"	11"	13.0'
C-8	ELM	23+90, 10' LT	SOUTHBOUND LANE	4 1/2"	13 1/2"	0"	DRY
C-9	ELM	27+00, 8' RT	NORTHBOUND LANE	4 1/2"	0"	10"	13.0'
C-10	ELM	30+00, 10' LT	SOUTHBOUND LANE	4"	8"	0"	0.9'

NOTES:

THESE CORES REFLECT ONLY THE INFORMATION FOUND AT LOCATION LISTED. THEY DO NOT REFLECT ANY VARIATIONS WHICH MAY OCCUR BETWEEN THESE BORINGS.

Drawing file: W:\Projects\16012052 - ELM STREET RECONSTRUCTION PHASE II\06-07-Typical.dwg Date: 07/30/12 2:22pm



◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

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DESIGNED -	CB/SBC	REVISED -	
DRAWN -	ECW, MK, DMM	REVISED -	
CHECKED -	MDL	REVISED -	
DATE -	12-7-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NOT TO SCALE SHEET NO. 1 OF 2 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1260	12-00097-00-PV	COOK	56	6
FIELD BOOK NO. : X		CONTRACT NO. 63771		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		