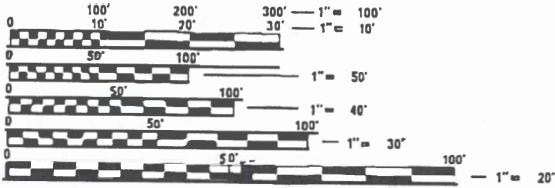


FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2
01-16-2026 LETTING ITEM 017

HIGHWAY CLASSIFICATION
WINN ROAD - MAJOR COLLECTOR
EAST SOLON ROAD - MAJOR COLLECTOR

TRAFFIC DATA
2024 ADT
WINN ROAD - 3,800
EAST SOLON ROAD - 1,600

POSTED & DESIGN SPEED LIMIT
WINN ROAD - 35 MPH
EAST SOLON ROAD - 45 MPH

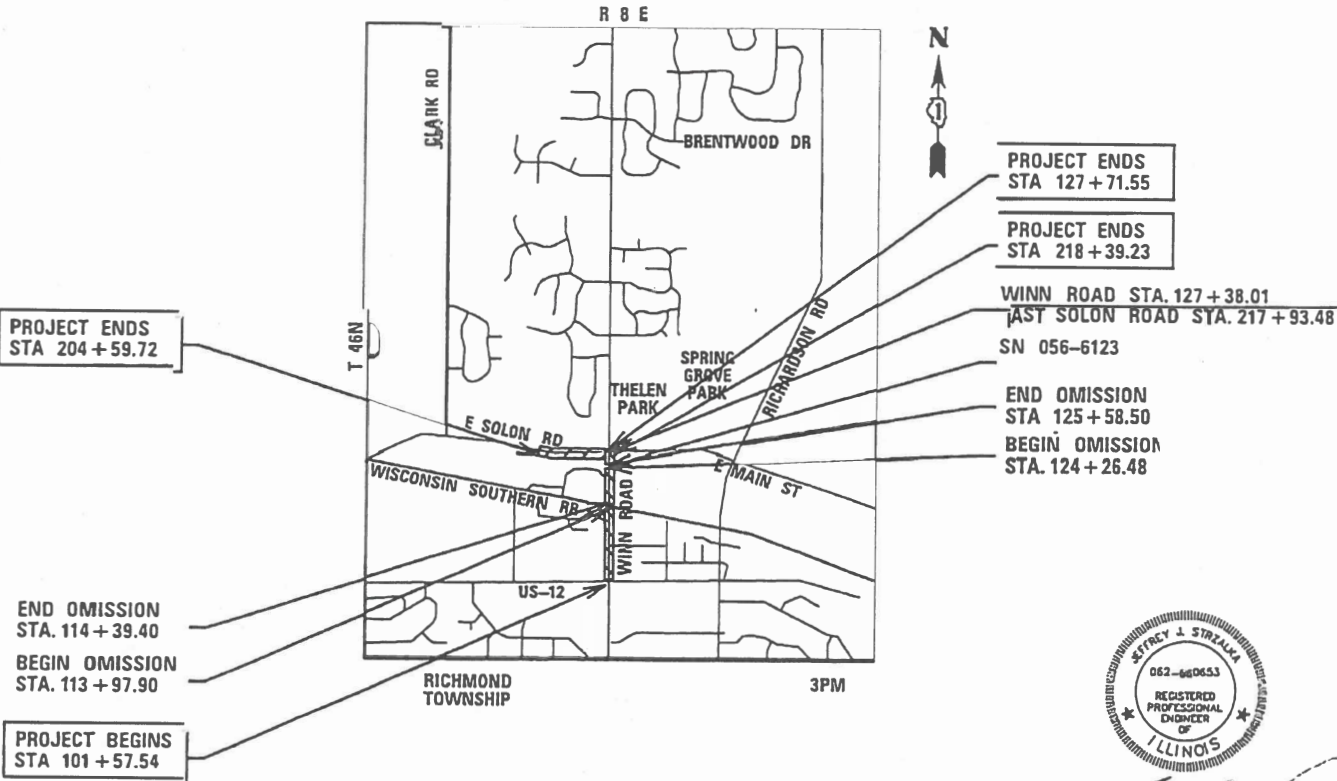


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL-AID HIGHWAY**
WINN ROAD (FAU 0157) & EAST SOLON ROAD (FAU 0165)
US-12 TO EAST SOLON ROAD
WEST VILLAGE LIMIT TO WINN ROAD
RESURFACING
SECTION: 23-00021-00-RS
PROJECT NO.: D6XJ(947)
VILLAGE OF SPRING GROVE
MCHENRY COUNTY
C-91-015-26

PROJECT LOCATION MAP
N.T.S.



PROJECT LENGTH

GROSS LENGTH OF PROJECT = 3,994 FT. = 0.756 MILES
NET LENGTH OF PROJECT = 3,853 FT. = 0.730 MILES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
23-00021-00-RS	23-00021-00-RS	MCHENRY	34
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 61M07	1

-0165/0157



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *10-28-2025*
VILLAGE PRESIDENT, VILLAGE OF SPRING GROVE

PASSED *Nov 3 2025*
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID *Nov 3 2025*
BASED ON LIMITED REVIEW *Joel Rios* REGIONAL ENGINEER



1391 CORPORATE DRIVE, SUITE 203 | MCHENRY, ILLINOIS 60050
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ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

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OF THE STATE OF ILLINOIS

FEDRAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL



JEFFREY L. STRZALKA, P.E.
EXPIRES: 11-30-26

CONTRACT NO. 61M07

INDEX OF SHEETS

1		COVER SHEET
2	- 3	INDEX OF SHEETS, STATE STANDARDS, DISTRICT ONE DETAILS AND GENERAL NOTES
4	- 8	SUMMARY OF QUANTITIES
9		PAVEMENT MARKING AND DRIVEWAY SCHEDULE
10		PAVEMENT SCHEDULE
11	- 12	TYPICAL SECTIONS
13		ALIGNMENT, TIES & BENCHMARKS
14	- 15	RESURFACING PLAN
16		DETECTOR LOOP REPLACEMENT PLAN
17		STORM SEWER PLAN
18		EROSION CONTROL PLAN AT THE CULVERT
19		CULVERT CROSS SECTIONS
20	- 34	CONSTRUCTION DETAILS

DISTRICT ONE DETAILS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-34	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY.1 SPL.

STATE STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL ITEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
630001-13	STEEL PLATE BEAM GUARDRAIL
630101-11	STRONG POST GUARDRAIL ATTACHED TO CULVERT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY,
701501-06	URBAN LANE CLOSURE, 2L 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OF CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- IT IS THE CONTRACTOR' S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON MUNICIPAL PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. WITHIN 24 HOURS OF PLACING TACK COAT AND THE LAYING OF HMA, THE CONTRACTOR SHALL SWEEP THE PAVEMENT AND REMOVE STANDING WATER, EARTH, WEEDS, LEAVES, DIRT, CONSTRUCTION DEBRIS, AND ALL LOOSE MATERIAL.
- THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AND TEMPORARY DRAINAGE OUTLETS WITHIN THE WORK ZONE AT ALL TIMES. SHOULD ANY EXCAVATED AREA BECOME INUDATED WITH WATER DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE AND LAYERS OF THE WORK ZONE IMPACTED. IMPACTED AREAS REQUIRING REMEDIATION WILL BE DETERMINED AT THE SOLE DISCRETION OF THE ENGINEER.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE VILLAGE PROPERTY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- PER VILLAGE ORDINANCE NO. 2636.2, CONSTRUCTION WORK MAY BE PERFORMED MONDAY THRU SATURDAY DURING THE HOURS OF 7:00 A.M. TO 8:00 P.M. AND ON SUNDAYS FROM 8:00 A.M. TO 6:00 P.M. NO WORK MAY BE PERFORMED PRIOR OR BEYOND THIS PERIOD WITHOUT PRIOR WRITTEN APPROVAL FROM THE VILLAGE.

UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF CULVERTS OR DITCHES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE APPURTENANCES SHALL BE FREE OF DIRT AND DEBRIS.

- THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THIS WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGIEER PRIOR TO USE OF THE WATER.

BACKFILL

- STORM SEWERS SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR BOX CULVERT HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.
- AT STORM SEWER CROSSING LOCATIONS, TRENCH BACKFILL SHALL BE PLACED TO THE TOP OF TRENCH AS A TEMPORARY CONDITION UNTIL THE CLASS D PATCH IS CONSTRUCTED. MAINTENANCE OF THE TRENCH BACKFILL SURFACE IN THE TEMPORARY CONDITION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SEDIMENTATION AND EROSION CONTROL

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
- SOIL STABILIZATION MEASUR ES SHALL CONSIDER THE TIME OF YEAR. DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.
- NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.
- OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.
- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht, index.dgn
PLOT DATE: 11/17/2025
PEN TABLE: 100, 100, 100, 100

 <div>HRGreen.com Illinois Professional Design Firm # 184-001322 HRGreen.</div>	USER NAME = jstrzal	DESIGNED - XX	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES WINN ROAD AND EAST SOLON ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - XX	CHECKED - JJS	REVISED - XX/XX/XXXX		*	23-00021-00-R5	MCHEMRY	34	2				
	PLOT SCALE = 2.0000' / in.	DATE - 7/23/2025	REVISED - XX/XX/XXXX		*0165, 0157		CONTRACT NO. 61M07						
	PLOT DATE = 11/17/2025				ILLINOIS FED. AID PROJECT								
SCALE:					SHEET 1 OF 2 SHEETS	STA.	TO STA.						

GENERAL NOTES CONTINUED

7. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE AND IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.
8. DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR EQUIVALENT CONTROL MEASURE.
9. PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.
10. THE DRAINAGE SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWER. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.
11. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER AND THE WILL COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
12. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
13. STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN IWMC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.

14. EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.
15. ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OR CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
16. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
17. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION. ANY PUBLIC ROW, STREET, ALLEY OR PARKING LOT NOT CLEANED TO THE SATISFACTION OF THE ENGINEER AT THE END OF EACH WORK DAY WILL BE SUBJECT TO AN EROSION CONTROL DEFICIENCY.
18. DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM.
19. ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY WITHIN THE EXISTING ROW AND/OR EASEMENT.
20. DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINAGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

PAVING

1. TRANSVERSE CONSTRUCTION JOINTS WILL BE ALLOWED DURING PAVING PROVIDED THE CONTRACTOR COMPLETE A SAWCUT AT LEAST SIX INCHES INTO THE ADJACENT MAT AT THE START OF PAVING THE FOLLOWING DAY.
2. ALL TRANSVERSE MILLING AND PAVING CONSTRUCTION JOINTS MUST BE RAMPED AND SIGNED WITH 'BUMP' SIGNAGE AT THE END OF EACH DAY.

SIGNING AND STRIPING

1. SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
2. THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
3. SEE IDOT DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.

RAILROAD

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE WISCONSIN SOUTHERN RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE WISCONSIN SOUTHERN RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

COMMITMENTS

1. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht, Index.dgn
PLOT DEVICE: HP DesignJet 500
PEN TABLE: hp.tbl

<div><div>HRGreen.com Illinois Professional Design Firm # 184-001322</div></div>	USER NAME = bku	DESIGNED - XX	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES WINN ROAD AND EAST SOLON ROAD	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - XX	REVISED - XX/XX/XXXX			*	23-00021-00-R5	McHENRY	34	3
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JJS	REVISED - XX/XX/XXXX			* 0165, 0157				CONTRACT NO. 61M07
	PLOT DATE = 10/28/2025	DATE = 7/23/2025	REVISED - XX/XX/XXXX			[ILLINOIS] FED. AID PROJECT				
	SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.									

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.shp_quant11res.dgn
PLOT DATE: 10/28/2025
PEN TABLE: 010tbl.tbl

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	4	4
20700220	POROUS GRANULAR EMBANKMENT	CU YD	34	34
20800150	TRENCH BACKFILL	CU YD	18	18
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,279	1,279
25000210	SEEDING, CLASS 2A	ACRE	1	1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	28	28
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	28	28
25100125	MULCH, METHOD 3	ACRE	1	1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	31	31
28000305	TEMPORARY DITCH CHECKS	FOOT	120	120
28000400	PERIMETER EROSION BARRIER	FOOT	402	402
28000510	INLET FILTERS	EACH	2	2
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	52	52
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	36	36
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	768	768
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8,543	8,543
40600370	LONGITUDINAL JOINT SEALANT	FOOT	5,035	5,035

* SPECIALTY ITEM



USER NAME = jstrzal	DESIGNED - XX	REVISED - XX/XX/XXXX
	DRAWN - XX	REVISED - XX/XX/XXXX
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJS	REVISED - XX/XX/XXXX
PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
WINN ROAD AND EAST SOLON ROAD			
SCALE:	SHEET 1 OF 5 SHEETS	STA.	TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	4
* 0165, 0157		CONTRACT NO. 61M07		
ILLINOIS FED. AID PROJECT				

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht_quantities.dgn
PLOT DATE: 10/28/2025
PEN TABLE: plotabel.tbl

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	209	209
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	699	699
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	60	60
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,423	1,423
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	323	323
42400800	DETECTABLE WARNINGS	SQ FT	20	20
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	12,603	12,603
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	343	343
44000600	SIDEWALK REMOVAL	SQ FT	323	323
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	420	420
48101200	AGGREGATE SHOULDERS, TYPE B	TON	153	153
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	155	155
50105220	PIPE CULVERT REMOVAL	FOOT	102	102
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	34	34
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	620	620
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2

* SPECIALTY ITEM



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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WINN ROAD AND EAST SOLON ROAD

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	5
* 0165, 0157		CONTRACT NO. 61M07		
		ILLINOIS	FED. AID PROJECT	

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht_quantities.dgn
PLOT DATE: 10/28/2025
PEN TABLE: plotabel.tbl

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
54011206	PRECAST CONCRETE BOX CULVERTS 12' X 6'	FOOT	39	39
550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	123	123
55101200	STORM SEWER REMOVAL 24"	FOOT	123	123
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	47	47
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	28	28
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
* 63200310	GUARDRAIL REMOVAL	FOOT	84	84
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,064	4,064
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,055	1,055
70400100	TEMPORARY CONCRETE BARRIER	FOOT	115	115

* SPECIALTY ITEM



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	DRAWN - XX	REVISED - XX/XX/XXXX
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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WINN ROAD AND EAST SOLON ROAD

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	6
* 0165, 0157		CONTRACT NO. 61M07		
		ILLINOIS	FED. AID PROJECT	

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht_quantities.dgn
PLOT NAME: 220908.sht_quantities.dgn
PEN TABLE: plotabel.tbl

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	30	30
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	250	250
70600305	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3	EACH	2	2
70600330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,215	1,215
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	10,113	10,113
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	384	384
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	200	200
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	119	119
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	1,215	1,215
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	10,113	10,113
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	321	321
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	200	200
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	119	119
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8
X0326806	WASHOUT BASIN	L SUM	1	1

* SPECIALTY ITEM



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USER NAME	= jstrzal
PLOT SCALE	= 2.0000 ' / in.
PLOT DATE	= 10/28/2025

DESIGNED	-	XX
DRAWN	-	XX
CHECKED	-	JJS
DATE	-	7/23/2025

REVISED	-	XX/XX/XXXX
REVISED	-	XX/XX/XXXX
REVISED	-	XX/XX/XXXX
REVISED	-	XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WINN ROAD AND EAST SOLON ROAD

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	7
* 0165, 0157		CONTRACT NO. 61M07		
		ILLINOIS	FED. AID PROJECT	

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908_sht_quant1/tes.dgn
PLOT DEVICE: HP DesignJet 500CPS
PEN TABLE: hp1tbl.tbl



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	DRAWN - XX	REVISED - XX/XX/XXXX
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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

WINN ROAD AND EAST SOLON ROAD

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	8
* 0165, 0157		CONTRACT NO. 61M07		
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
X0327487	TRIAXIAL GEOGRID REINFORCEMENT, TYPE I	SQ YD	102	102
X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	1
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	100	100
X2510900	TURF REINFORCEMENT MAT (SPECIAL)	SQ YD	397	397
X4830030	PORTLAND CEMENT CONCRETE SHOULDERS 8" (SPECIAL)	SQ YD	11	11
X5427600	REMOVE AND RELOCATE END SECTIONS	EACH	1	1
* X6330801	GUARDRAIL POST REPAIR	EACH	7	7
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	103	103
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	158	158
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

* SPECIALTY ITEM

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht_schedules.dgn
PLOT DATE: 10/28/2025
PEN TABLE: plotabel.tbl

		70300100	70300150	78009000	78009004				78009006		78009012	78009024	78011000	78011025	78011035	78011065	78011125
LOCATION		SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"				MODIFIED URETHANE PAVEMENT MARKING - LINE 6"		MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GROOVING FOR RECESSED PAVEMENT MARKING 25"
STATION FROM	STATION TO	FOOT	SQ FT	SQ FT	FOOT				FOOT		FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT
WINN ROAD					SOLID W	DBL Y	CL	SKIP Y	SKIP/SOLID	SOLID W	DOTTED W						
101+81.72		137.0	16.0	15.60									15.60				
102+18.61		193.0	22.0	20.80									20.80				
111+69.16		678.0	75.0	589.20									589.20				
116+64.53		678.0	75.0	589.20									589.20				
101+59.54	104+25.74	144.0	48.0			532.40								532.40			
104+90.90	107+60.55	146.0	49.0				67.41							67.41			
108+48.17	109+37.45	297.0	98.0				22.00							22.32			
109+37.45	113+97.90	83.0	83.0					575.56						575.56			
114+39.40	118+26.78	324.0	107.0					484.00						484.23			
118+26.78	120+37.61	114.0	38.0				52.71							52.71			
120+45.63	124+26.48	206.0	68.0				95.00							95.21			
125+58.50	126+89.11	71.0	24.0				32.65							32.65			
101+57.54	113+97.90	31.0	11.0		1,241.18									1,241.18			
114+39.40	120+37.56				598.16									598.16			
120+45.58	124+26.48				380.93									380.93			
125+58.50	127+14.63				157.99									157.99			
101+57.54	104+25.74				268.20									268.20			
104+90.90	107+60.55				269.65									269.65			
108+48.17	113+97.90				549.73									549.73			
114+39.40	120+37.66				598.26									598.26			
120+45.68	124+26.45				380.77									380.77			
125+58.41	127+24.24				185.17									185.17			
127+55.43	127+71.61				33.99									33.99			
101+59.54	102+72.54								113.00						113.00		
102+72.54	103+61.36								22.20						22.20		
120+37.51	120+37.67								37.03						37.03		
120+45.53	120+45.70								36.93						36.93		
127+05.90	127+71.49								65.82						65.82		
127+15.18	127+60.14								45.12						45.12		
120+41.54	12+41.67								63.00		64.20					64.20	
127+07.72	127+70.20								135.80							135.80	
101+59.54	101+59.54	68.0	23.0									22.38					22.38
113+95.90	113+95.90	33.0	11.0									11.00					11.00
114+41.40	114+41.40	33.0	11.0									11.00					11.00
120+17.63	120+17.63	33.0	11.0									11.00					11.00
120+65.61	120+65.61	33.0	11.0									11.00					11.00
126+89.31	126+89.11	34.0	11.0									11.00					11.00
127+83.34	127+83.34											14.00					14.00
EAST SOLON ROAD																	
204+59.72	210+98.92	728.0	263.0						799.00					799.00			
210+98.92	217+43.59						161.20							161.20			
204+60.00	217+72.11				1,314.78									1,314.78			
204+59.72	217+68.17				1,310.61									1,310.61			
217+43.64	217+43.59											11.01					11.01
218+38.23	218+38.23											16.00					16.00
TOTALS		4,064	1,055	1,215	7,290	533	431	1,859	361	23	200	119	1,215	10,113	321	200	119

		40600275	40604060	44000200
LOCATION		BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	DRIVEWAY PAVEMENT REMOVAL
STA FROM	STA TO	POUND	TON	SQ YD
WINN ROAD				
106+18.17	106+74.75	62.00	5.00	28.00
110+67.03	111+52.69	130.00	10.00	58.00
110+78.60	111+30.81	62.00	5.00	28.00
112+63.59	113+46.00	204.00	16.00	91.00
114+75.00	114+91.00	168.00	13.00	75.00
118+81.37	119+41.20	142.00	11.00	63.00
TOTALS		768.00	60.00	343.00

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht_schedules.dgn
PLOT DATE: 10/28/2025
PEN TABLE: plotabel.tbl



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT SCHEDULE
WINN ROAD AND EAST SOLON ROAD

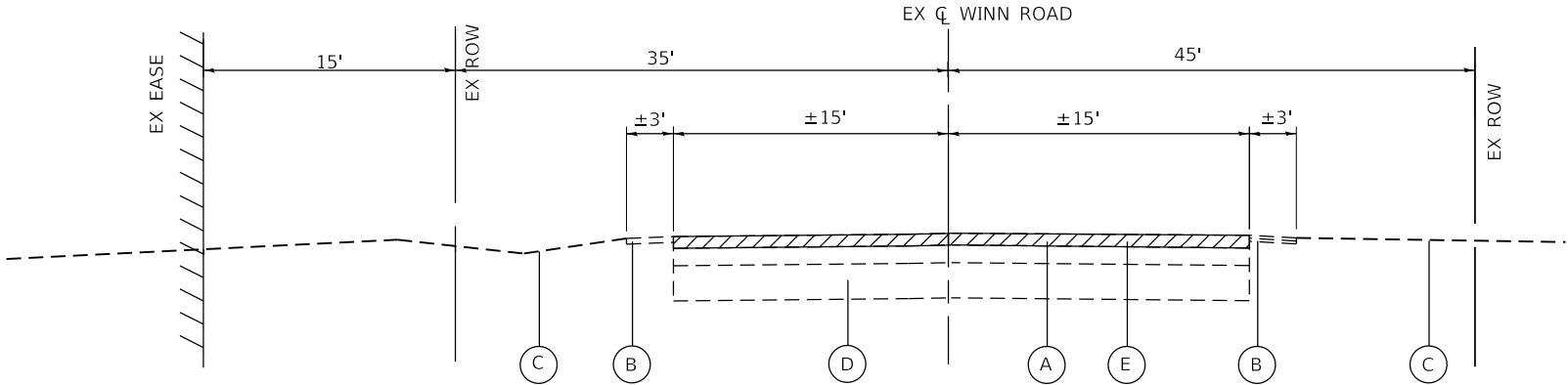
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	10
* 0165, 0157		CONTRACT NO. 61M07		
		ILLINOIS	FED. AID PROJECT	

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht - typ.dgn
PLOT DATE: 10/28/2025
PEN TABLE: 10/28/2025

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT; 7"
- B AGGREGATE/HMA SHOULDERS
- C EXISTING GROUND
- D AGGREGATE BASE COURSE; 12"
- E HMA SURFACE REMOVAL, 2½"

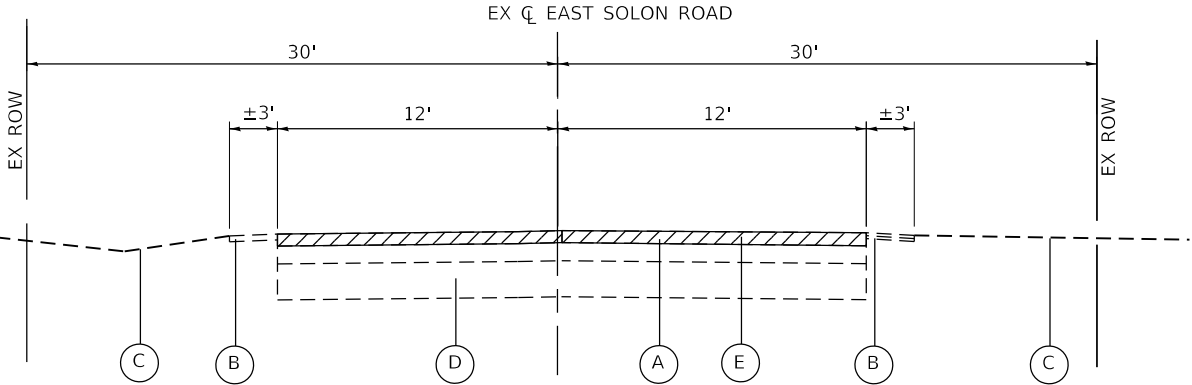


EXISTING TYPICAL SECTION

WINN ROAD: 101+57.54 TO 127+38.01

PROPOSED LEGEND

- 1 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"
- 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- 3 AGGREGATE SHOULDERS, TYPE B; (CA-6 CRUSHED GRAVEL OR CRUSHED STONE)
- 4 GROOVED MODIFIED URETHANE PAVEMENT MARKING, LINE 4"



EXISTING TYPICAL SECTION

EAST SOLON ROAD: 204+59.72 TO 217+93.48



HMA SURFACE REM, 2½"

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIAL SPECIFICATIONS.

PATCHING LOCATIONS TO BE DETERMINED BY THE ENGINEER AFTER MILLING OPERATIONS.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY HMA BC, IL-4.75, N50.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5); 2"	4.0% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 GYR.	LR 1030-2
PAVEMENT PATCHING		
CLASS D PATCHES. (HMA BINDER, IL-19); 5"	4.0% @ 70 GYR.	LR 1030-2
DRIVEWAY PAVEMENT		
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5); 3"	4.0% @ 50 GYR.	LR 1030-2
HMA SHOULDERS, 6"		
HMA BINDER COURSE IL 19.0, N70; 6"	4.0% @ 70 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		



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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
WINN ROAD AND EAST SOLON ROAD

SCALE: N.T.S SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	11
* 0165, 0157		CONTRACT NO. 61M07		
		ILLINOIS	FED. AID PROJECT	

EXISTING LEGEND

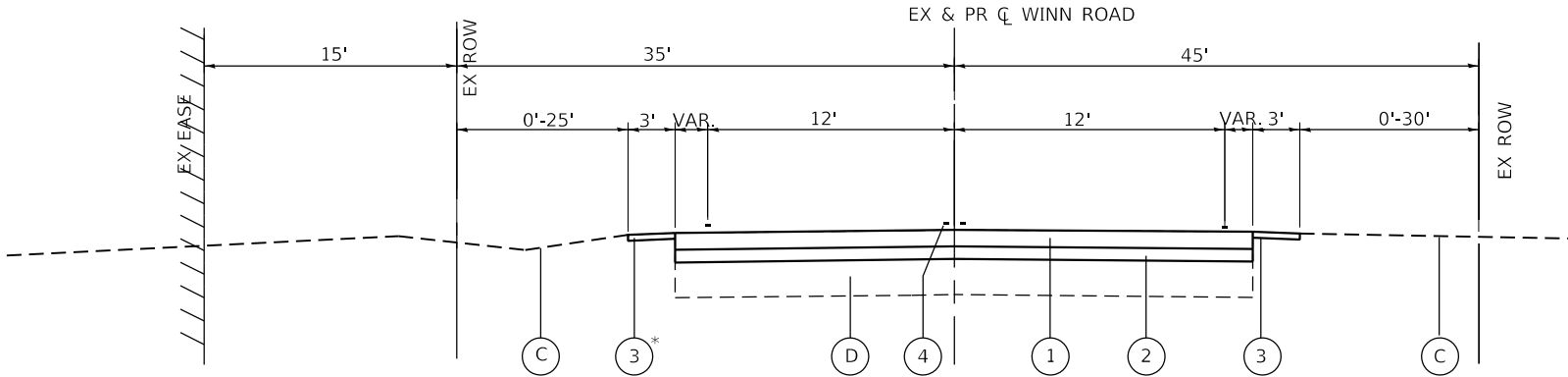
- (A) HOT-MIX ASPHALT PAVEMENT; 7"
- (B) AGGREGATE/HMA SHOULDERS
- (C) EXISTING GROUND
- (D) AGGREGATE BASE COURSE; 12"
- (E) HMA SURFACE REMOVAL, 2½"

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (3) AGGREGATE SHOULDERS, TYPE B;
(CA-6 CRUSHED GRAVEL OR CRUSHED STONE)
- (4) GROOVED MODIFIED URETHANE PAVEMENT MARKING, LINE 4"

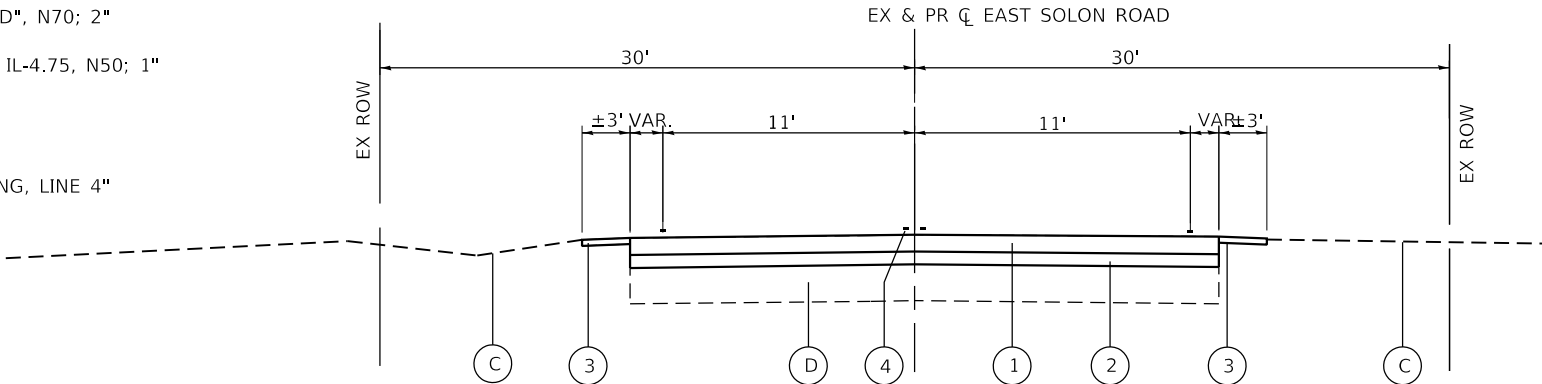


HMA SURFACE REM, 2½"



PROPOSED TYPICAL SECTION

WINN ROAD
101+57.54 TO 113+97.90
114+39.40 TO 120+45.46
120+45.46 TO 124+26.48 *AGGREGATE SHOULDER OMIT AT THIS STATION RANGE
125+58.50 TO 127+38.01 *AGGREGATE SHOULDER OMIT AT THIS STATION RANGE



PROPOSED TYPICAL SECTION

EAST SOLON ROAD
204+59.72 TO 217+93.48



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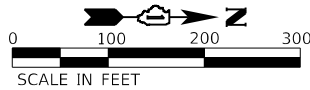
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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
WINN ROAD AND EAST SOLON ROAD

SCALE: N.T.S SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	12
* 0165, 0157		CONTRACT NO. 61M07		
		ILLINOIS	FED. AID PROJECT	



CONTROL POINTS:

CONTROL POINT 4:
MAG NAIL IN HMA
EL: 778.75 (NAVD 88)

CONTROL POINT 5:
1/2" REBAR W/ CAP
EL: 771.59 (NAVD 88)

CONTROL POINT 6:
CUT "X" IN CONCRETE
EL: 765.17 (NAVD 88)

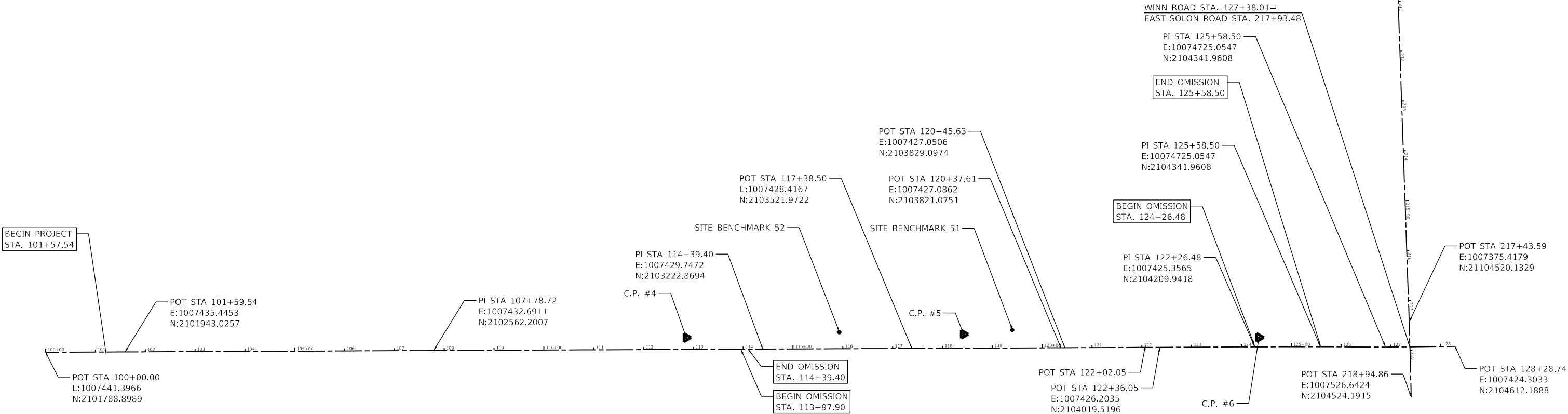
CONTROL POINT 11:
5/8" ROD W/ CAP
EL: 763.08 (NAVD 88)

SITE BENCHMARKS:

SITE BENCHMARK 50:
RAILROAD SPIKE
IN UTILITY POLE
EL: 760.53 (NAVD 88)

SITE BENCHMARK 51:
ARROW BOLT ON HYDRANT
EL: 774.07 (NAVD 88)

SITE BENCHMARK 52:
ARROW BOLT ON HYDRANT
EL: 777.84 (NAVD 88)



HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht, atb.dgn
PLOT DATE: 10/28/2025
PEN TABLE: plotdef.tbl



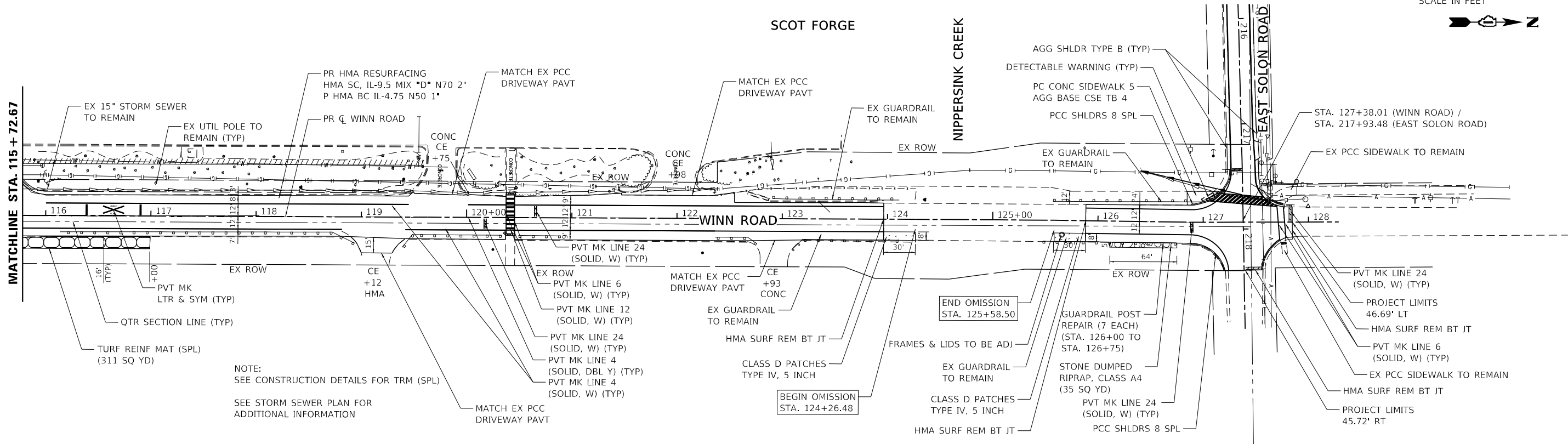
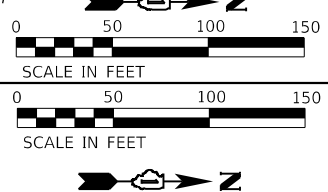
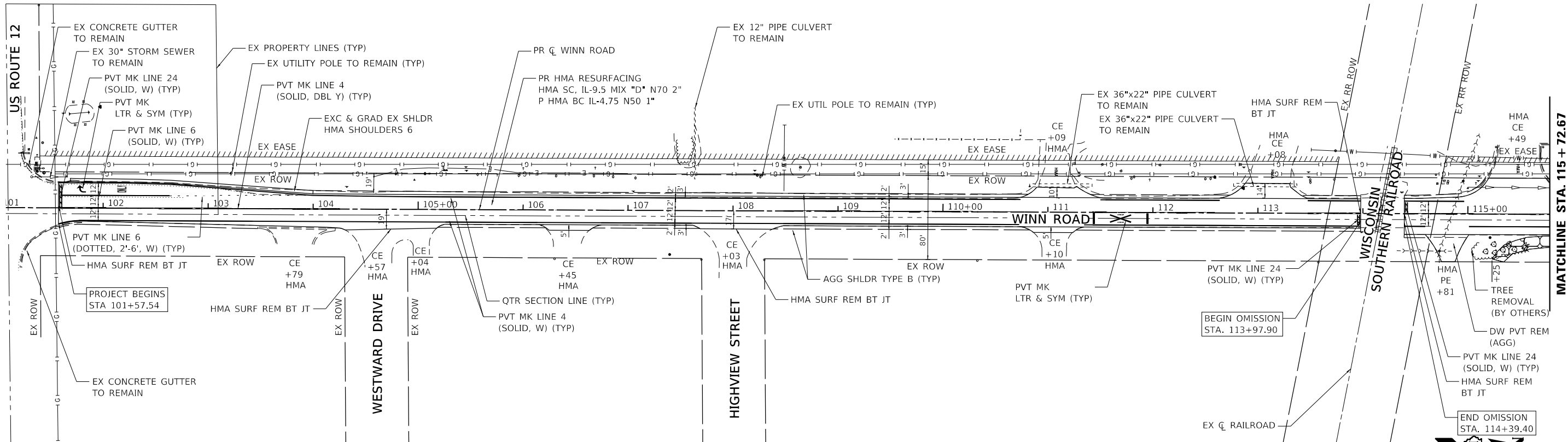
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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND BENCHMARK
WINN ROAD AND EAST SOLON ROAD

SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 0165, 0157	23-00021-00-RS	McHENRY	34	13
CONTRACT NO. 61M07				
ILLINOIS FED. AID PROJECT				



NOTE:
SEE CONSTRUCTION DETAILS FOR TRM (SPL)
SEE STORM SEWER PLAN FOR
ADDITIONAL INFORMATION

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht, plan.dgn
PLOT DATE: 11/14/2025
PEN TABLE: plotset.tbl



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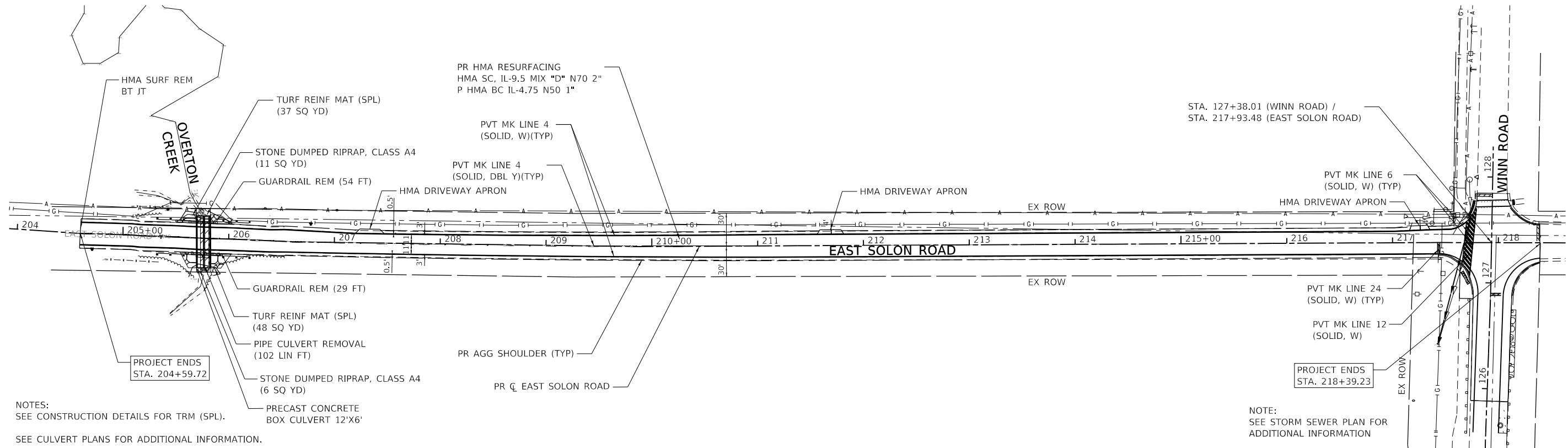
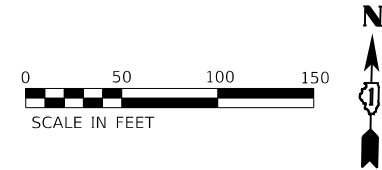
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PLOT DATE = 11/14/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINN ROAD
RESURFACING PLAN

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 101+16.27 TO STA. 127+66.75

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 0165, 0157	23-00021-00-RS	McHENRY	34	14
CONTRACT NO. 61M07				
ILLINOIS FED. AID PROJECT				



NOTES:
SEE CONSTRUCTION DETAILS FOR TRM (SPL).
SEE CULVERT PLANS FOR ADDITIONAL INFORMATION.

NOTE:
SEE STORM SEWER PLAN FOR
ADDITIONAL INFORMATION

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht, plan2.dgn
PLOT DATE: 10/28/2025
PEN TABLE: plotabel.tbl

<div><div>HRGreen.com Illinois Professional Design Firm # 184-001322</div></div>	USER NAME = txu	DESIGNED - XX	REVISED - XX/XX/XXXX	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>EAST SOLON ROAD RESURFACING PLAN</div>				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - XX	REVISED - XX/XX/XXXX	*						23-00021-00-RS	McHENRY	34	15	
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JJS	REVISED - XX/XX/XXXX		* 0165, 0157		CONTRACT NO. 61M07						
	PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX		SCALE: 1"=50'		SHEET 2 OF 2 SHEETS	STA. 204+59.71 TO STA. 218+34.70					

HRG PROJECT NO.: 220908
HRG PROJ. CONTACT:
FILE NAME: 220908.sht, traffic.dgn
PEN TABLE: pen.tbl
PEN TABLE: pen.tbl



HRGreen.com
Illinois Professional Design Firm
184-001322

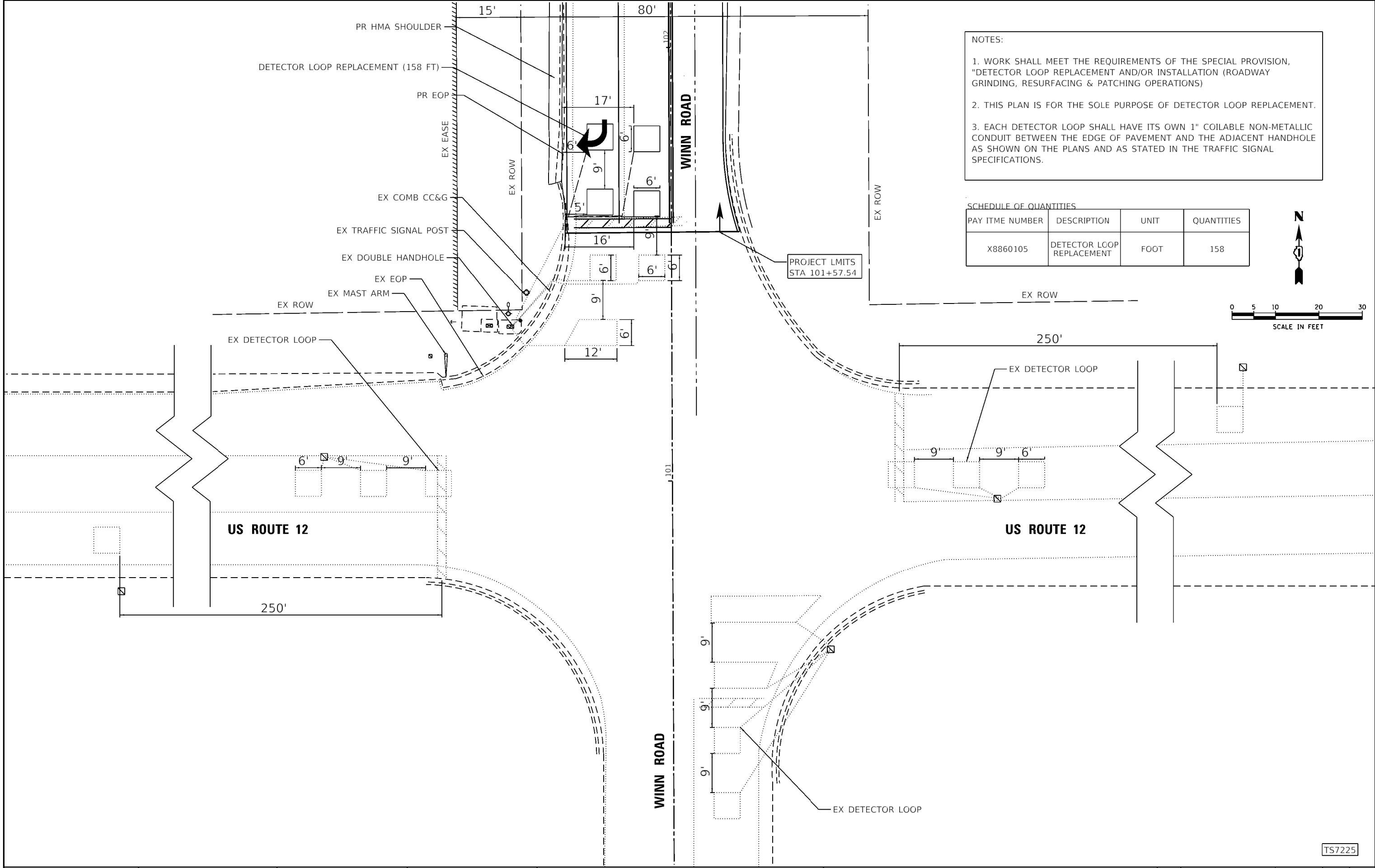
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PLOT DATE = 12/4/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
WINN ROAD AT US 12

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	23-00021-00-R5	McHENRY	34	16
CONTRACT NO. 61M07				
ILLINOIS FED. AID PROJECT				

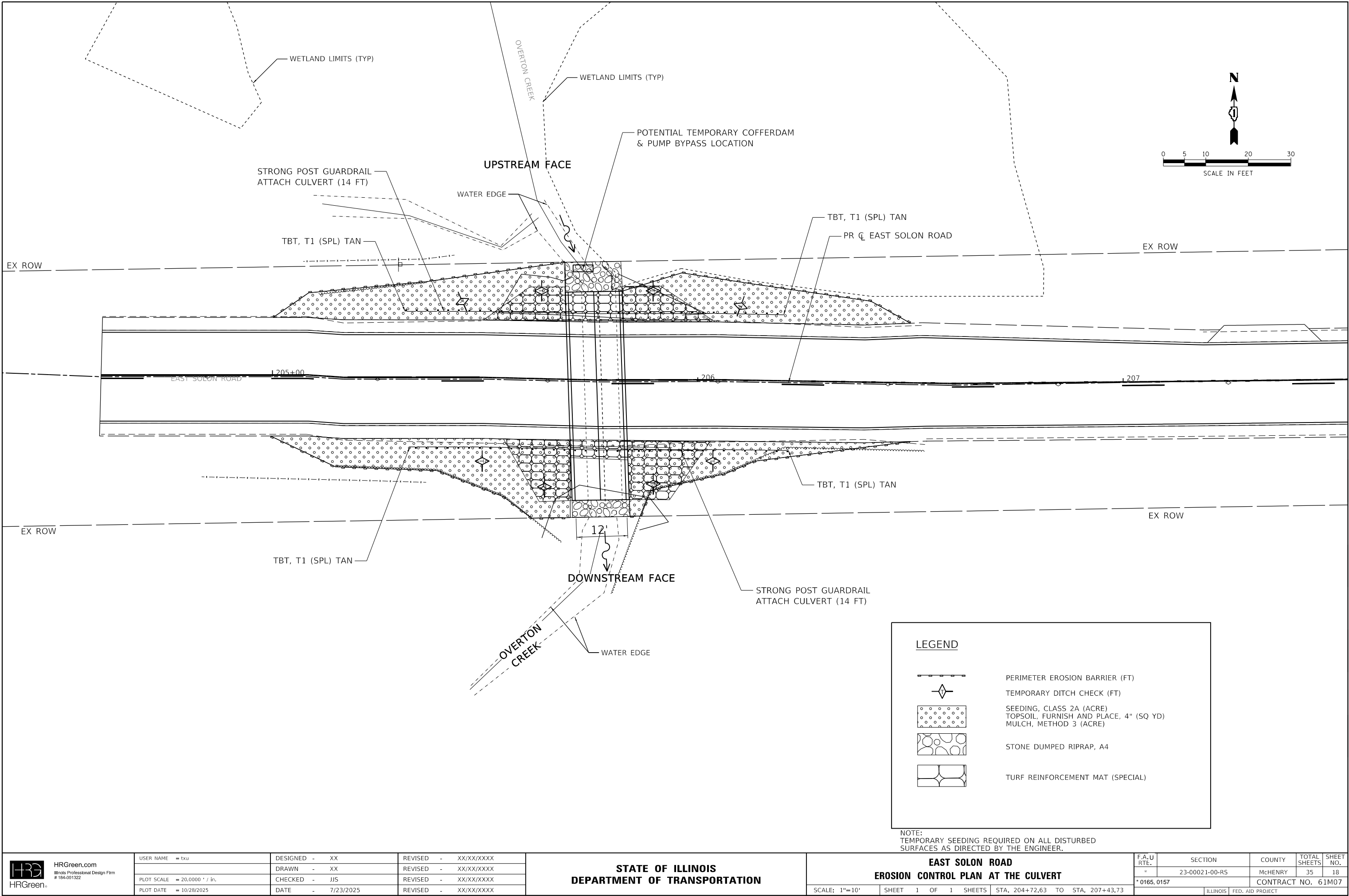


- NOTES:
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)
 2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
 3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

SCHEDULE OF QUANTITIES			
PAY ITME NUMBER	DESCRIPTION	UNIT	QUANTITIES
X8860105	DETECTOR LOOP REPLACEMENT	FOOT	158

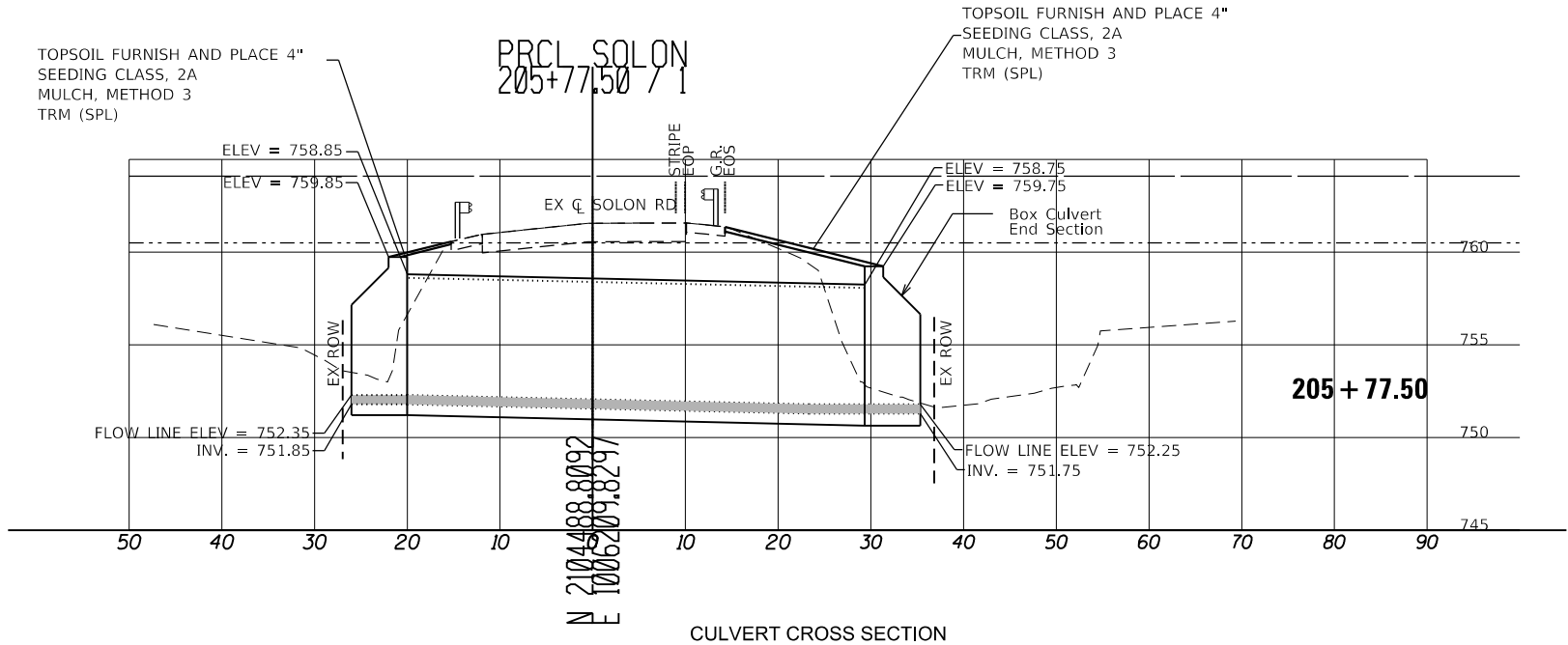
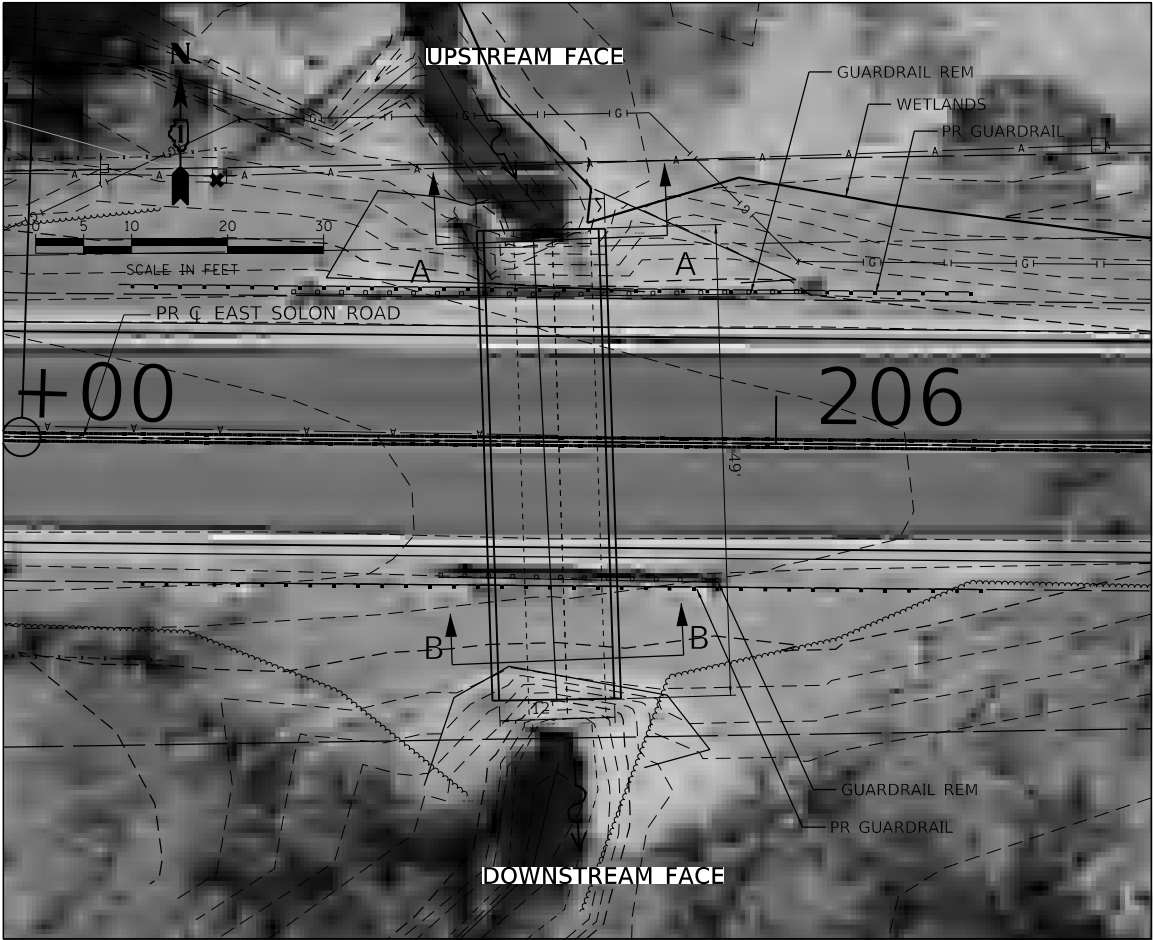
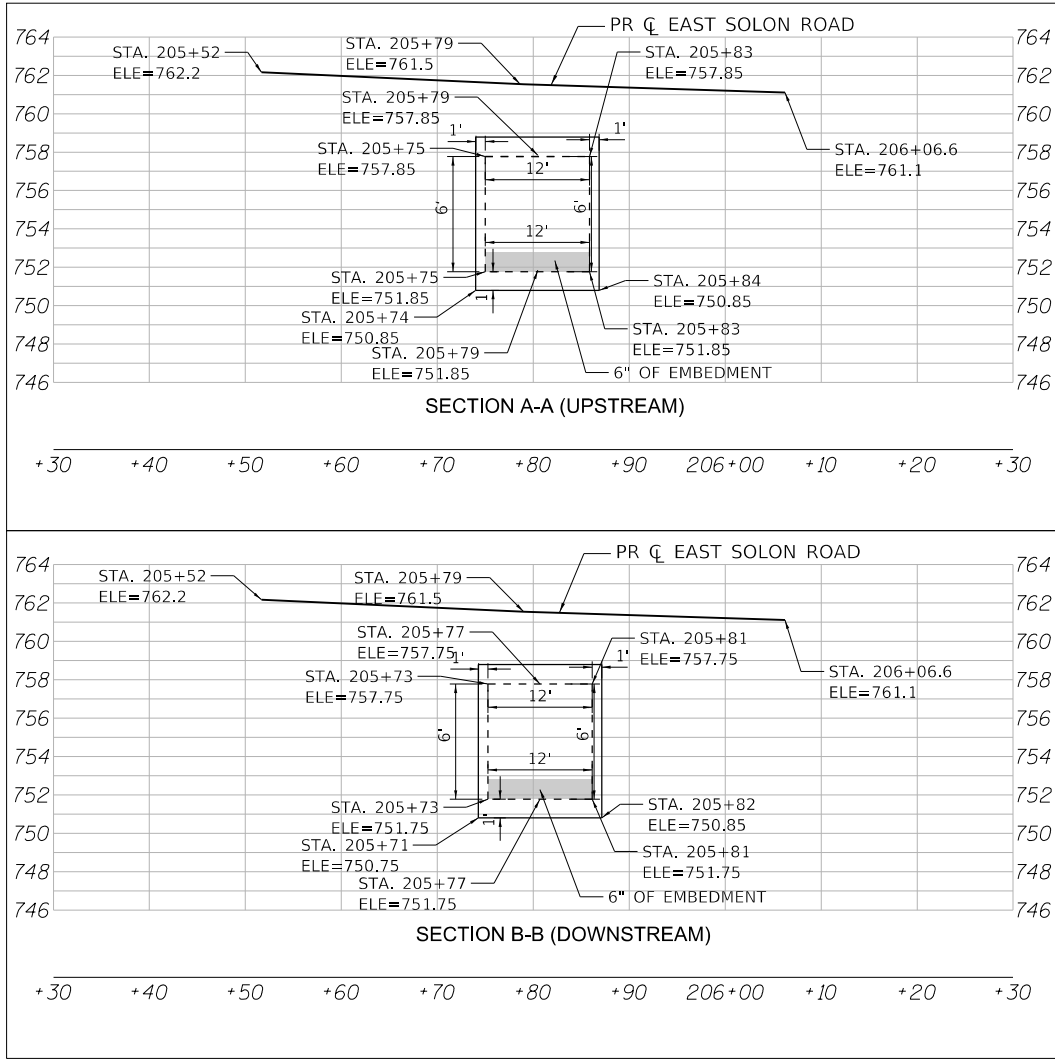


TS7225



XX XXX XX.XX
HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht - erg_culvert1.dgn
PLOT DATE: 10/28/2025
PEN TABLE: plotabel.tbl

<div><div>HRGreen.com Illinois Professional Design Firm # 184-001322</div></div>	USER NAME = txu		DESIGNED - XX	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST SOLON ROAD EROSION CONTROL PLAN AT THE CULVERT				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - XX		CHECKED - JJS	REVISED - XX/XX/XXXX		*	23-00021-00-RS	McHENRY	35	18					
	PLOT SCALE = 20.0000 ' / in.		DATE - 7/23/2025	REVISED - XX/XX/XXXX		SCALE: 1"=10'			SHEET 1 OF 1 SHEETS	STA. 204+72.63 TO STA. 207+43.73	* 0165, 0157			CONTRACT NO. 61M07	
	PLOT DATE = 10/28/2025											ILLINOIS FED. AID PROJECT			



CULVERT CROSS SECTION

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908-pr-culvert-sections.dgn
PLOT DATE: 10/28/2025
PEN TABLE: pr-table.tbl

XX XXX XX.XX



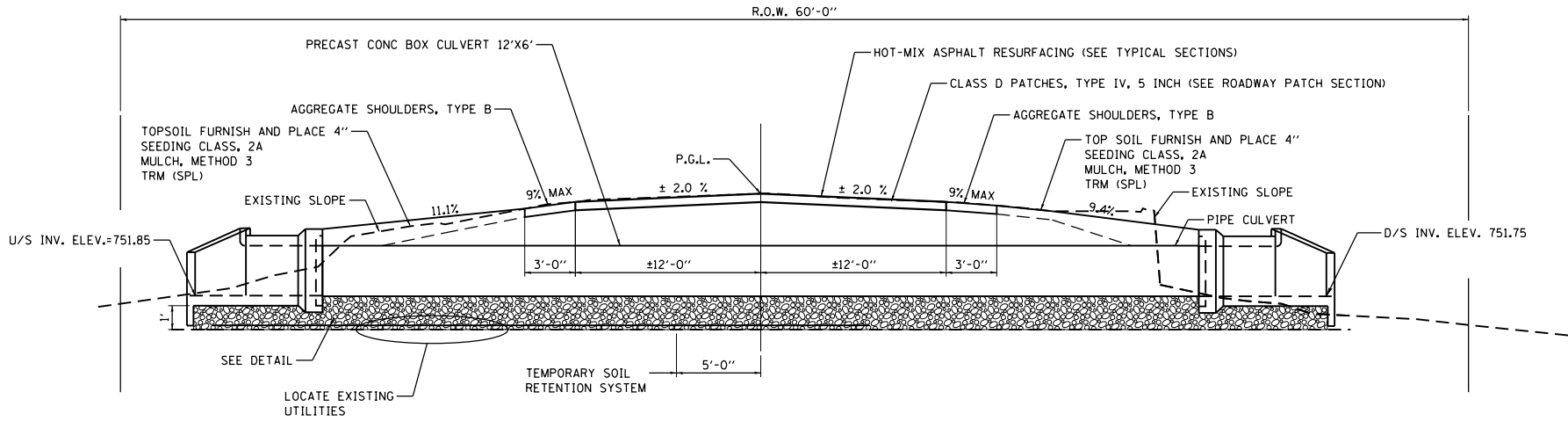
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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

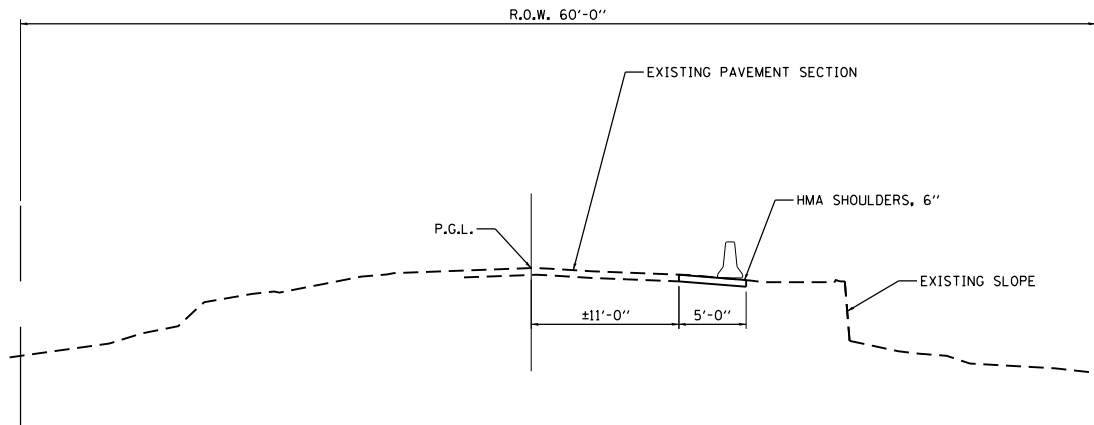
EAST SOLON ROAD
OVERTON CREEK PR CULVERT SECTIONS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

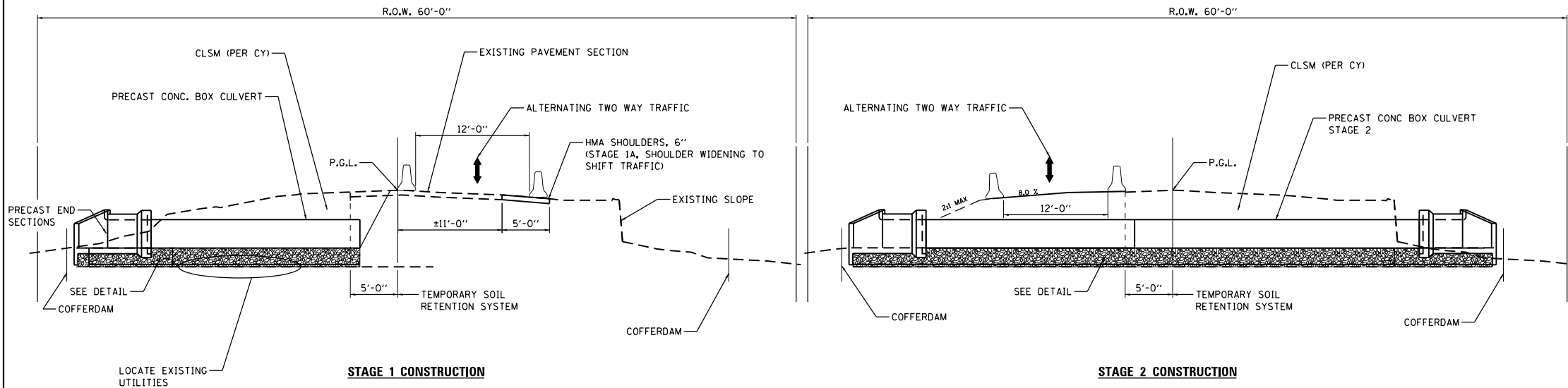
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	19
* 0165, 0157				CONTRACT NO. 61M07
		ILLINOIS		FED. AID PROJECT



CROSS SECTION STA. 205 + 77.50



STAGE 1A CONSTRUCTION



STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

NOTE:
CONTRACTOR TO PROVIDE A MINIMUM OF 6" BETWEEN
THE EDGE OF THE TEMPORARY CONCRETE BARRIER AND
THE DROP OFF / SOIL RETENTION SYSTEM.

SECTIONS OF BARRIERS WITH LESS THAN 24" BEHIND
THE BARRIER WILL REQUIRE PINNING OR AN ALTERNATE
RESTRAINING SYSTEM.

SEQUENCE OF CONSTRUCTION

1. FOLLOWING IS A SUGGESTED SEQUENCE OF CONSTRUCTION. THE CONTRACTOR WILL BE ALLOWED TO MODIFY THE PROPOSED SEQUENCE PROVIDED THE ROADWAY IS 'DRIVE-ABLE' IN BOTH DIRECTIONS AT THE END OF EACH DAY. THE CONTRACTOR SHALL PERFORM HIS WORK IN A MANNER CAUSING MINIMAL INCONVENIENCE TO THE RESIDENTS AND THE MOTORING PUBLIC.
2. UPON THE START OF CULVERT REPLACEMENT WORK ALL TRAFFIC WILL BE SHIFTED TO ONE SIDE OF THE ROAD. THE CONTRACTOR SHALL PLACE TYPE III BARRICADES AND TEMPORARY CONCRETE BARRIERS TO CLOSE ONE SIDE OF THE ROAD TO TRAFFIC. THE CONTRACTOR WILL HAVE ACCESS TO COMPLETE WORK ON THE CLOSED SIDE OF THE ROADWAY. SEE PLANS FOR CULVERT STAGING DETAILS.
3. EXCAVATION(S) WITHIN THE ROADWAY MUST BE STEEL PLATED WITH RAMPS DURING NON-WORKING HOURS.
4. ALL STREETS MUST BE OPEN TO 2 LANES - 2 WAY DURING NON-WORKING HOURS AND OVER THE WEEKEND WHEN WORK IS NOT OCCURRING.

STAGE 1

1. THE CONTRACTOR WILL REMOVE BOTH CULVERTS WITHIN THE WORK AREA. THE CONTRACTOR WILL THEN CONSTRUCT GRANULAR EMBANKMENT CULVERT PAD. THE NEW BOX CULVERT WILL THEN BE LAID AND HAUNCHED INTO PLACE WITHIN THE WORK AREA. THE ENDS OF THE PROPOSED CULVERTS SHALL BE CAPPED WITH MINIMUM 3/4" PLYWOOD. THE BOX CULVERT WILL THEN BE BACKFILLED WITH CLSM TO MATCH THE EXISTING ROADWAY SURFACE ELEVATION.
2. THE CONTRACTOR WILL APPROPRIATELY ADJUST MAINTENANCE OF TRAFFIC SIGNAGE AND RELOCATE TEMPORARY CONCRETE BARRIERS, OPENING THE ROAD TO TWO-WAY TRAFFIC PRIOR TO LEAVING THE JOB SITE AT THE END OF THE DAY.

STAGE 2

1. THE CONTRACTOR WILL REMOVE BOTH CULVERTS WITHIN THE WORK AREA. THE CONTRACTOR WILL THEN CONSTRUCT THE GRANULAR EMBANKMENT CULVERT PAD. THE CONTRACTOR SHALL EXPOSE AND REMOVE THE PLYWOOD CAP PLACED DURING STAGE 1. THE NEW BOX CULVERT WILL THEN BE LAID, CONNECTED TO THE STAGE 1 CULVERTS AND SUBSEQUENTLY HAUNCHED IN PLACE WITHIN THE WORK AREA. THE BOX CULVERT WILL THEN BE BACKFILLED WITH CLSM TO MATCH THE EXISTING ROADWAY SURFACE ELEVATION.
2. THE CONTRACTOR WILL APPROPRIATELY ADJUST MAINTENANCE OF TRAFFIC SIGNAGE AND RELOCATE TEMPORARY CONCRETE BARRIERS, OPENING THE ROAD TO TWO-WAY TRAFFIC PRIOR TO LEAVING THE JOB SITE AT THE END OF THE DAY.
3. UPON COMPLETION OF STAGE 2 THE CONTRACTOR WILL MAINTAIN TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH HIGHWAY STANDARD 701501 DURING CONSTRUCTION OPERATIONS.
4. TEMPORARY CONCRETE BARRIERS MAY BE REMOVED UPON INSTALLATION OF THE STEEL PLATE BEAM GUARDRAIL.
5. CLASS D PATCH 5" MUST BE INSTALLED WITHIN 5 CALENDAR DAYS OF THE COMPLETION OF WORK ON ALL THE SEGMENTS AS SPECIFIED ABOVE.
6. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY MAINTENANCE OF TRAFFIC SIGNAGE IN THE PARKWAY TWENTY-FOUR (24) HOURS PRIOR TO STARTING WORK ON EACH SIDE OF THE STREET. THE CONTRACTOR SHALL REMOVE THE SIGNS AND REINSTALL THEM AS NEEDED.
7. WHERE THE CULVERTS ARE TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE SIDE OF THE STREET ONLY. ONCE CULVERT REPLACEMENT OPERATIONS ARE COMPLETE ON ONE SIDE OF THE ROAD, THE CONTRACTOR MAY MOVE TO THE OTHER SIDE OF THE STREET TO START CULVERT REPLACEMENT OPERATIONS.

GENERAL NOTES

1. PRECAST CONCRETE BOX CULVERTS 12'x6' shall conform to the requirements of Article 540.06 of the Standard Specifications, the Special Provisions and the applicable requirements of ASTM C1577.

Excavation and backfill required for bedding and placement of the PRECAST CONCRETE BOX CULVERTS 12'x6' shall be in accordance with Article 540.06, the details in the plans and the Special Provisions.

The minimum precast concrete strength shall be 5,000 psi.

Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

Fill varies 2'-6" to 3'-0"

3. Contractor shall maintain streamflow in accordance with the Standard Specifications Article 502.

4. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

5. Reinforcement bars designated (E) shall be epoxy coated

BENCHMARK 1:

SITE BENCHMARK 50:
RAILROAD SPIKE
IN UTILITY POLE
EL: 760.53 (NAVD 88)

EXISTING PIPE CULVERT:

THE EXISTING PIPE CULVERT CONSISTS OF TWO (2)
48" CMP CULVERTS APPROXIMATELY 51' LONG.
STAGED CONSTRUCTION WILL BE UTILIZED.

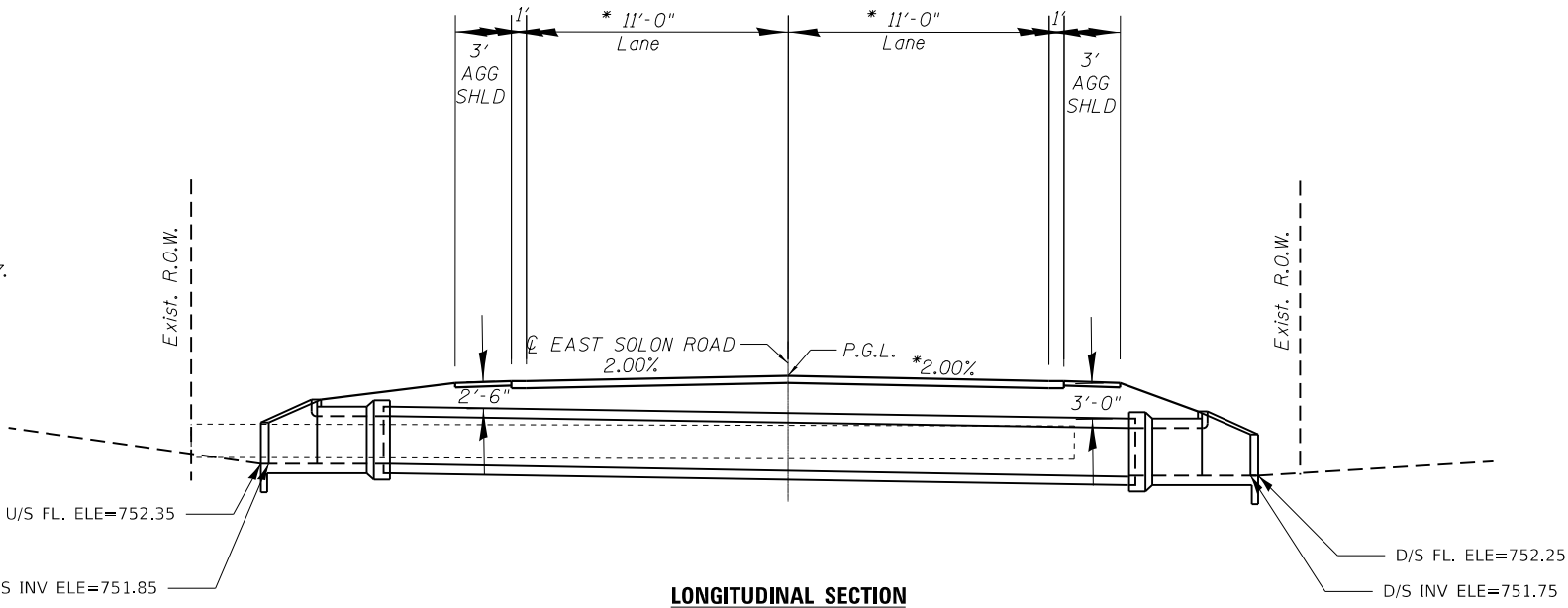
WATERWAY INFORMATION

Drainage Area = 0.25 Sq. mi.										
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. Prop.	Head - Ft. H.W.E.	Exist. Prop.	Headwater El.	Exist. Prop.	Headwater El.	Exist. Prop.
	10	321	16	53	757.0	3.3	0.3	760.3	757.3	
Design	30	459	16	64	757.4	3.2	0.8	760.6	758.2	
	50	515	16	66	757.5	3.2	1.0	760.7	758.5	
Base	100	602	16	66	757.7	3.1	2.1	760.8	759.8	
Max. Calc.	500	813	16	66	758.1	3.0	2.3	761.1	760.4	

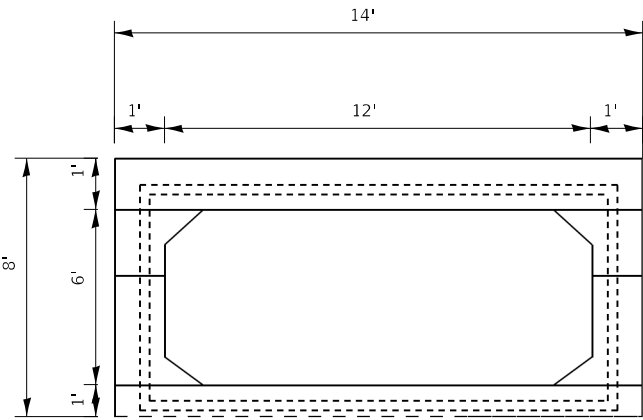
10-YEAR VELOCITY THROUGH EXISTING STRUCTURE=7.7 FT/S

10-YEAR VELOCITY THROUGH PROPOSED STRUCTURE=3.4 FT/S

2-YEAR FLOW RATE=137 CU FT/S



LONGITUDINAL SECTION



SECTION THROUGH PRECAST BARREL

GENERAL NOTES

1. PRECAST CONCRETE BOX CULVERT 12'x6' SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FILL = 2.0 FT.

2. THE MINIMUM CONCRETE STRENGTH SHALL BE 5,000 PSI.

3. LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER BOX SECTIONS ARE IN PLACE.

SECTION THRU PRECAST BARREL

Furnished and installed under the pay item "Precast Concrete Box Culverts" (Section 540 of the Standard Specifications)

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 5,000 psi

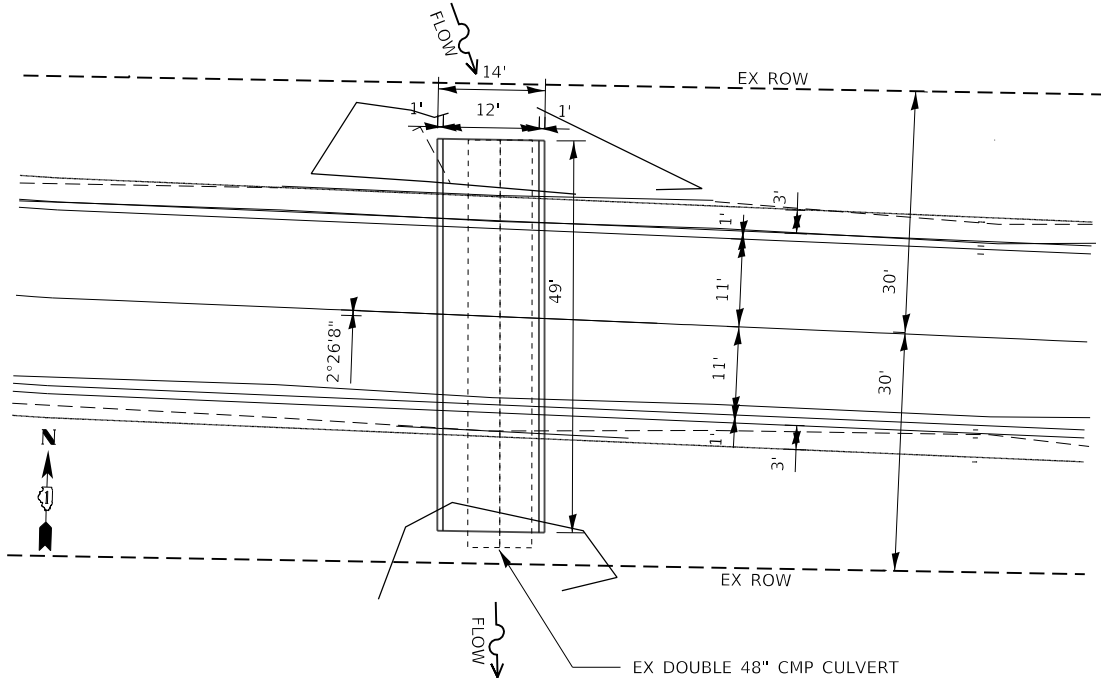
fy = 65,000 psi (Welded Wire Fabric)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
PRECAST CONCRETE BOX CULVERT 12'x6'	FOOT	39



PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS – BOX CULVERT
WINN ROAD AND EAST SOLON ROAD

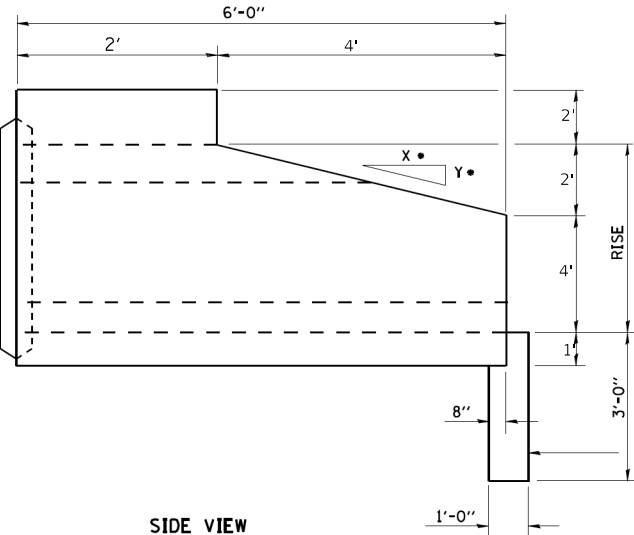
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SHEET 2 OF 9 SHEETS STA. TO STA.

F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	23-00021-00-R5	McHENRY	34	21
* 0165, 0157				CONTRACT NO. 61M07
		ILLINOIS		FED. AID PROJECT

USER NAME = txu	DESIGNED - XX	REVISED -
	DRAWN - XX	REVISED -
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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED -

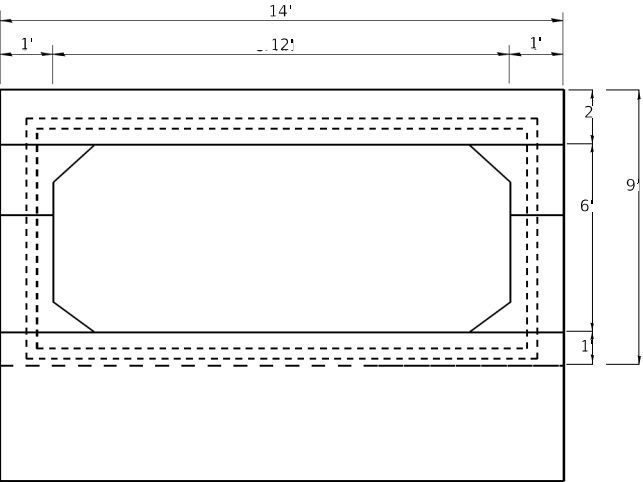
END CONNECTION TO FIT PRECAST BOX CULVERT (BELL OR SPIGOT MAY BE OMITTED WHEN COLLARING TO AN EXISTING BOX TO HEADWALL)



SIDE VIEW

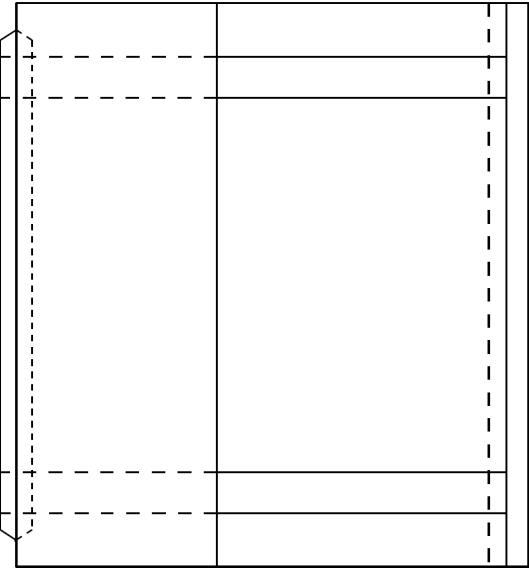
• 2:1 SLOPE MINIMUM

PRECAST OR FIELD
POURED TOEWALL

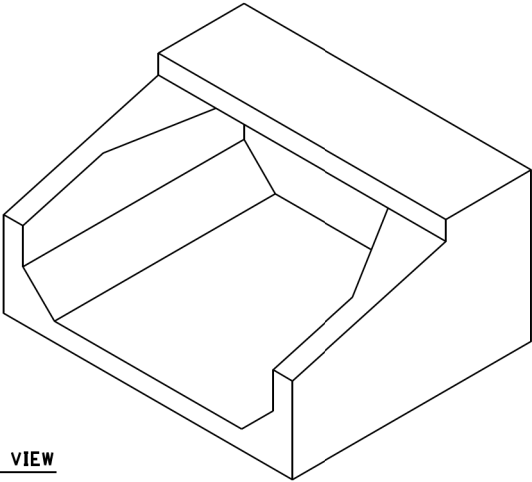


END VIEW

END CONNECTION TO FIT PRECAST BOX CULVERT (BELL OR SPIGOT MAY BE OMITTED WHEN COLLARING TO AN EXISTING BOX TO HEADWALL)



PLAN



ISOMETRIC VIEW

GENERAL NOTES

1. PRECAST CONCRETE BOX CULVERT 12'x6' SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FILL = 2.0 FT.
2. THE MINIMUM CONCRETE STRENGTH SHALL BE 5,000 PSI.
3. LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER BOX SECTIONS ARE IN PLACE.

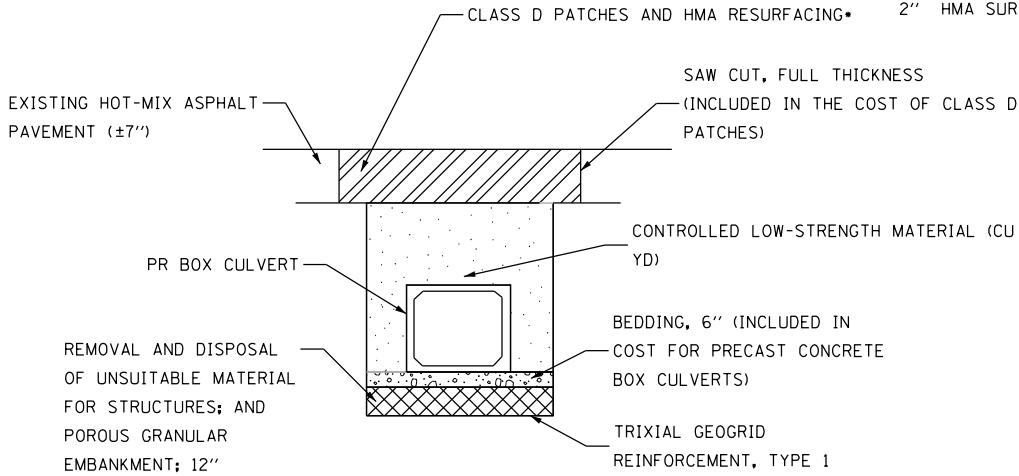
BILL OF MATERIAL

ITEM	UNIT	TOTAL
BOX CULVERT END SECTIONS CULVERT NO. 1	EACH	2

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	DRAWN - XX	REVISED - XX/XX/XXXX
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJS	REVISED - XX/XX/XXXX
PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

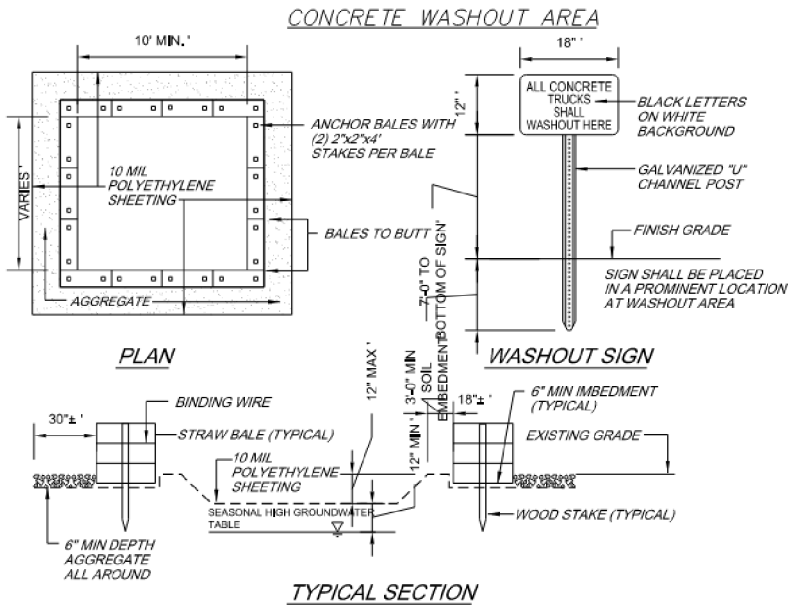
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	22
* 0165, 0157		CONTRACT NO. 61M07		
		ILLINOIS	FED. AID PROJECT	

- HMA RESURFACING:
1" POLYMERIZED HMA BINDER COURSE, IL-4.75
2" HMA SURFACE COURSE, MIX "D", N70

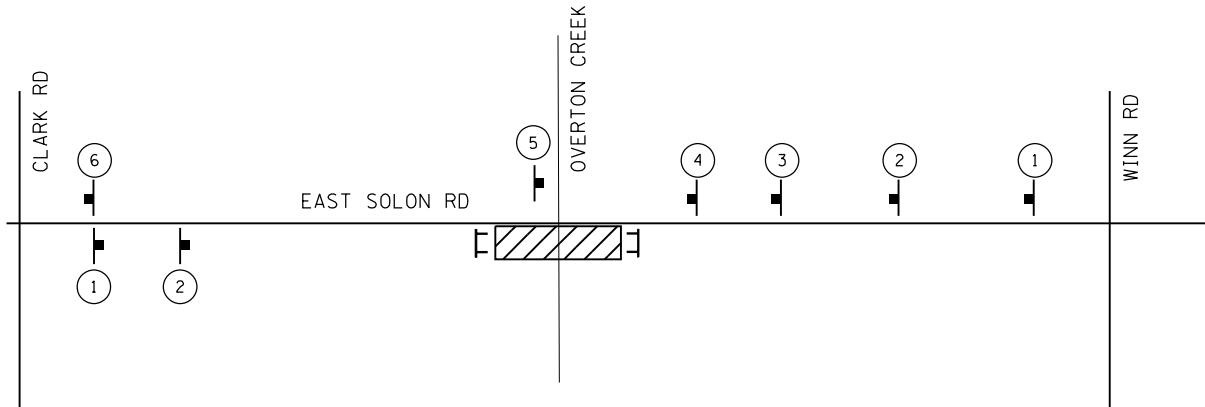


TYPICAL ROADWAY PATCH SECTION

BEDDING MATERIALS AND EXCAVATION.
REQUIRED FOR INSTALLATION OF PRECAST CONCRETE BOX
CULVERTS OF THE SIZE SPECIFIED AND THE BOX CULVERT END
SECTIONS SHALL BE INCLUDED IN THE COST OF EACH.

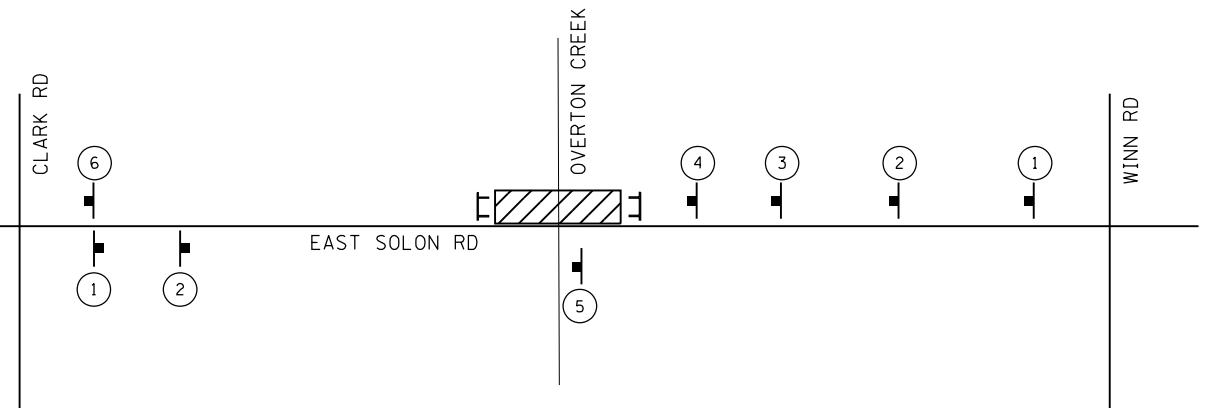


- NOTES:**
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
 3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
 4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
 5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
 6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.



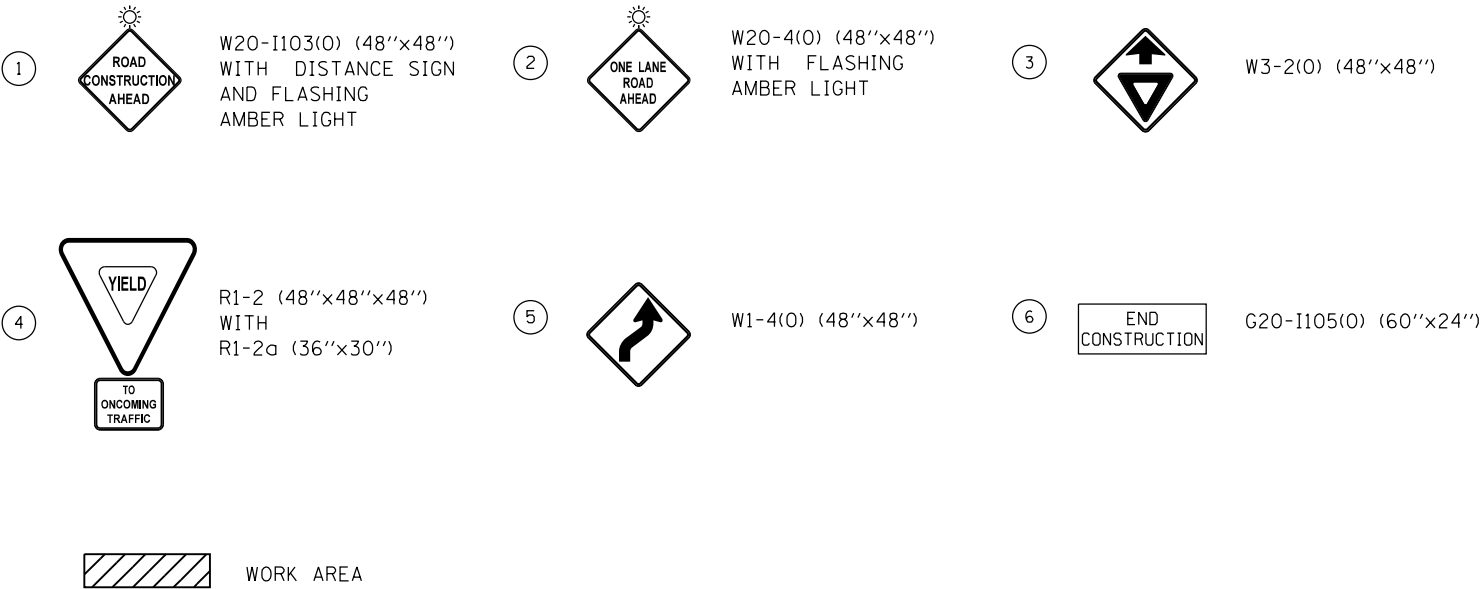
SUGGESTED MAINTENANCE OF TRAFFIC DETAIL STAGE 1

FURNISH AND PLACE IN ACCORDANCE
WITH MUTCD FIGURE 6H-11 - TYPICAL APPLICATION 11



SUGGESTED MAINTENANCE OF TRAFFIC DETAIL STAGE 2

FURNISH AND PLACE IN ACCORDANCE
WITH MUTCD FIGURE 6H-11 - TYPICAL APPLICATION 11



NOTE:
THE MAINTENANCE OF TWO-WAY TRAFFIC UNDER FLAGGERS WITH SIGNAGE AS SUGGESTED IN THIS DETAIL SHALL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701501.

SEE BOX CULVERT CONSTRUCTION DETAILS FOR PLACEMENT OF TEMPORARY CONCRETE BARRIERS AND TEMPORARY ATTENUATORS.

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht_drf1.dgn
PLOT DATE: 11/4/2025
PEN TABLE: 101000.tbl

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = jstrzal	DESIGNED - XX	REVISED - XX/XX/XXXX
DRAWN - XX	REVISD - XX/XX/XXXX	
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PLOT DATE = 11/4/2025	DATE - 7/23/2025	REVISED - XX/XX/XXXX

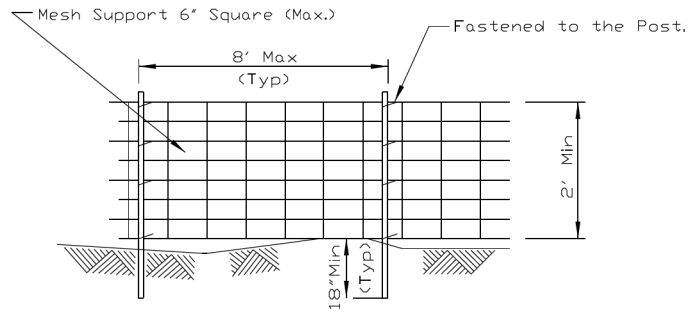
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS – BOX CULVERT
WINN ROAD AND EAST SOLON ROAD**

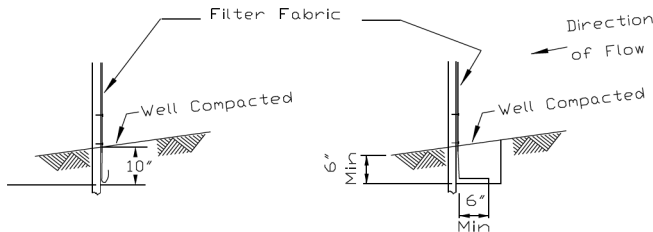
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	23
* 0165, 0157				
		ILLINOIS	FED. AID PROJECT	

SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION



FABRIC ANCHOR DETAIL

STATIC SLICE INSTALLATION

TRENCH INSTALLATION

NOTES:

1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2"x2" nominal.
4. Wire mesh may be omitted if post spacing is 5' on center or less.

REFERENCE

Project _____ Date _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



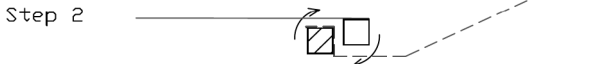
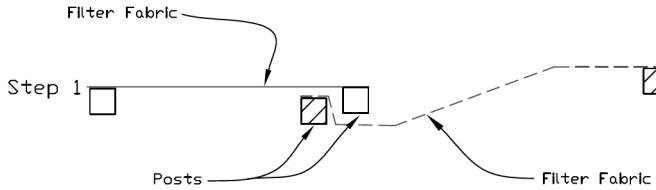
STANDARD DWG. NO.

IUM-620A(W)

SHEET 1 OF 2

DATE 4-15-2021

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6' flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE

Project _____ Date _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



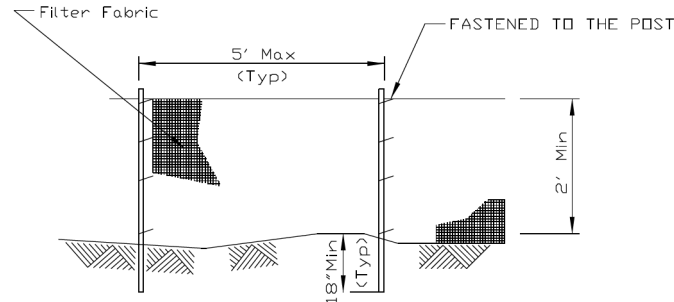
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IUM-620B(W)

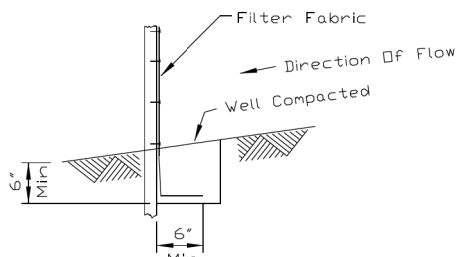
SHEET 1 OF 1

DATE 3-16-2012

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

REFERENCE

Project _____ Date _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.

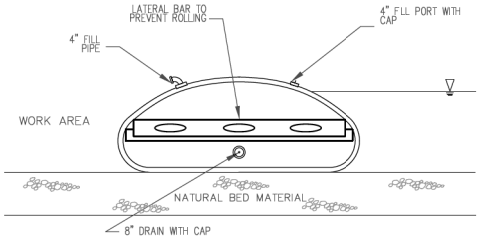
IUM-620A

SHEET 1 OF 2

DATE 04-15-2021

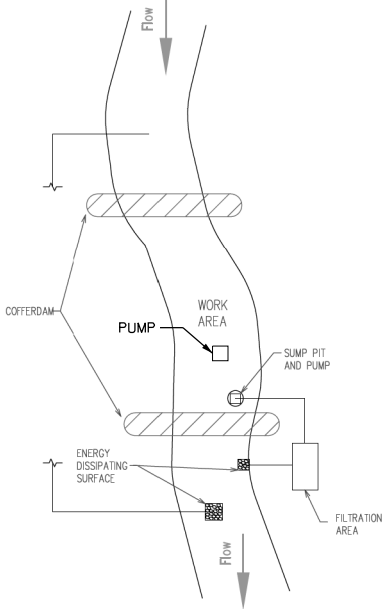
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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	23-00021-00-R5	McHENRY	34	24
*0165, 0157				
		ILLINOIS	FED. AID PROJECT	



COFFERDAM PROFILE

PLAN VIEW



NOTES:

1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

UNITED STATES ARMY CORPS OF ENGINEERS NOTES:

1. EARTHEN COFFERDAMS OR OTHER PRACTICES THAT WOULD RESULT IN A RELEASE OF SEDIMENT INTO WATERS OF THE U.S. ARE NOT AUTHORIZED FOR USE. COFFERDAMS SHALL BE CONSTRUCTED OF NON-ERODIBLE MATERIALS ONLY. ACCEPTABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO: PRE-FABRICATED RIGID COFFERDAMS, SHEET PILING, INFLATABLE BLADDERS, SANDBAGS AND FABRIC-LINED BASINS. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
2. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUABARRIERS, RIP RAP AND GEOTEXTILE FABRIC, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
3. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
4. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
5. DURING DEWATERING OF THE COFFERED AREA, ALL WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
6. THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

MC HENRY COUNTY STORMWATER PERMIT REQUIREMENTS

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.

SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.

NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.

OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.

SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.

STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE AND IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.

DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR EQUIVALENT CONTROL MEASURE.

PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.

THE DRAINAGE SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.

IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER AND THE MC HENRY COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN IWMC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.

EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE, AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:

MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER.

MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.

ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.

A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.

DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM.

ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY WITHIN THE EXISTING ROW AND/OR EASEMENT.

DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINAGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

HRG PROJECT NO: 220908
HRG PROJ CONTACT:
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PLOT DATE: 10/28/2025
PEN TABLE: 10/28/2025



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184-001322

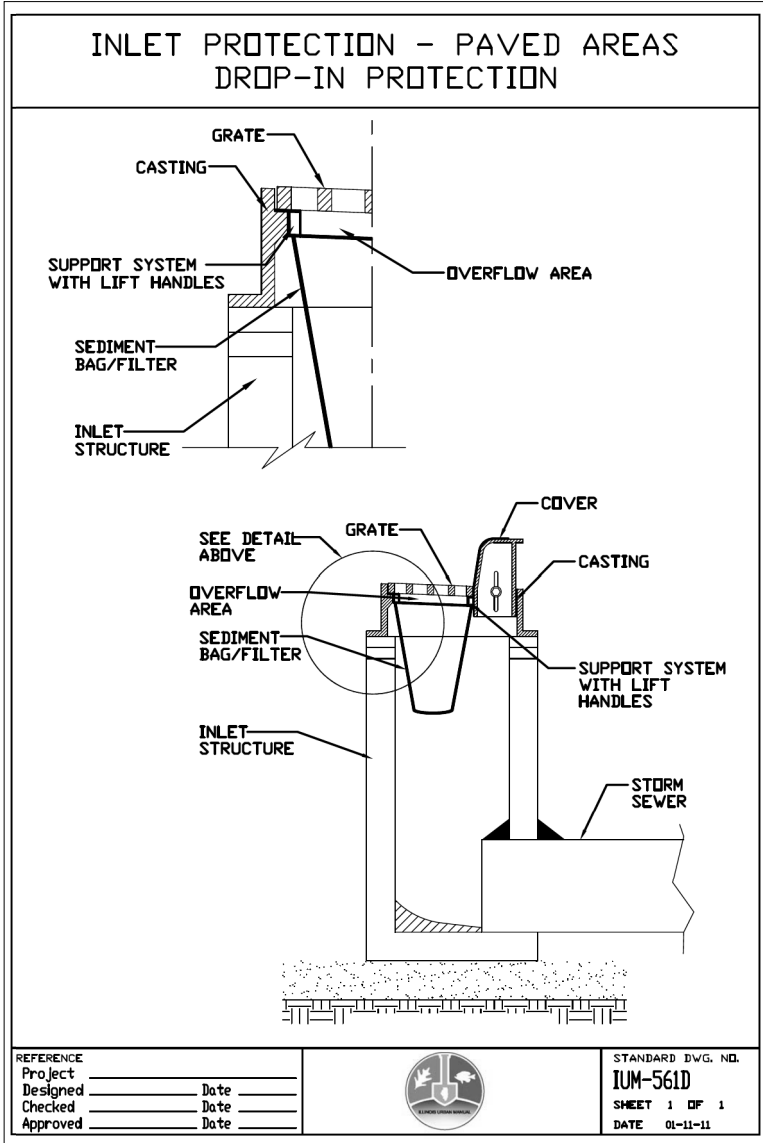
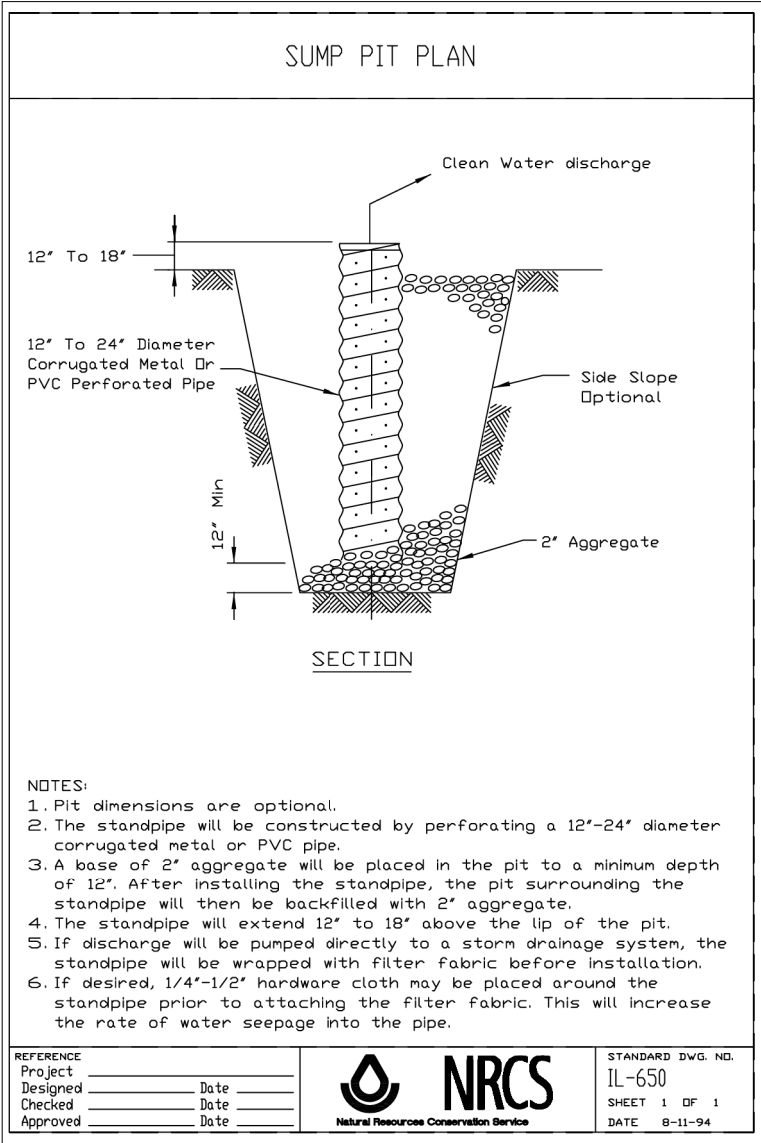
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS – BOX CULVERT
WINN ROAD AND EAST SOLON ROAD

SCALE: N.T.S. SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	23-00021-00-R5	McHENRY	34	25
* 0165, 0157			CONTRACT NO.	61M07
		ILLINOIS	FED. AID PROJECT	



HRG PROJECT NO: 220908
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PEN TABLE: 10/28/2025

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PLOT DATE = 10/28/2025	DATE - 7/23/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

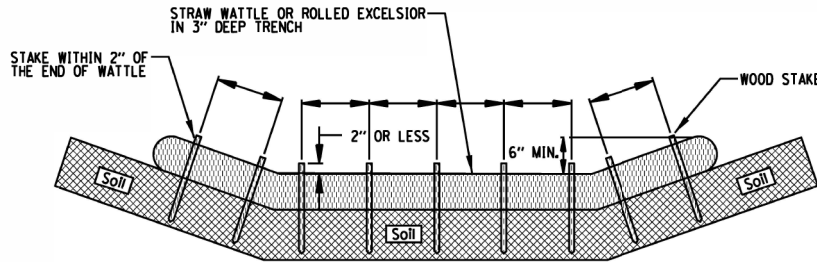
**CONSTRUCTION DETAILS
WINN ROAD AND EAST SOLON ROAD**

SCALE: N.T.S. SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	23-00021-00-RS	McHENRY	34	26
* 0165, 0157				CONTRACT NO. 61M07
		ILLINOIS		FED. AID PROJECT

ROLLED EROSION CONTROL PRODUCTS

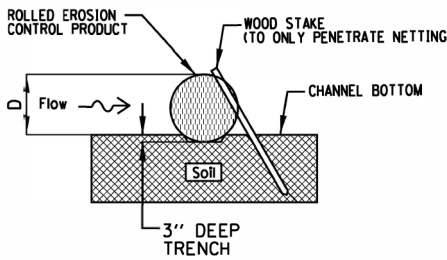
STAKING PATTERN GUIDE



NOTES:

1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
2. 4' SPACING FOR WATTLES.
3. 2' SPACING FOR ROLLED EXCELSIOR.
4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS

STAKE DETAIL



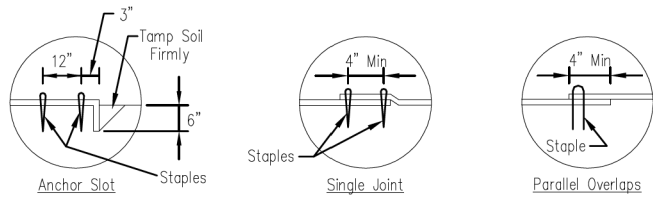
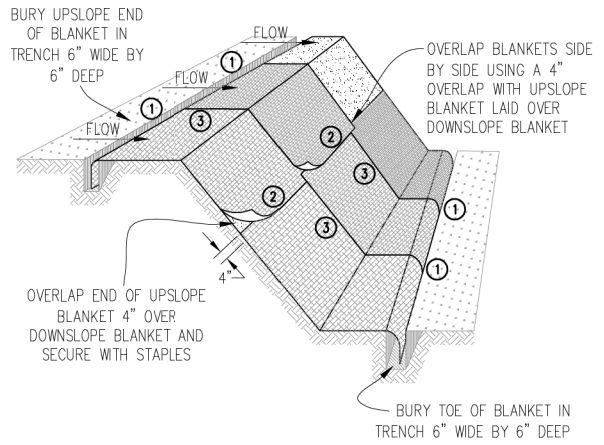
NOTES:

1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE
Project
Designed
Checked
Approved



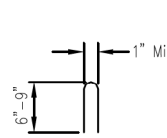
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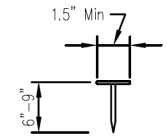
DETAIL

DETAIL

DETAIL 3



STAPLE DETAIL



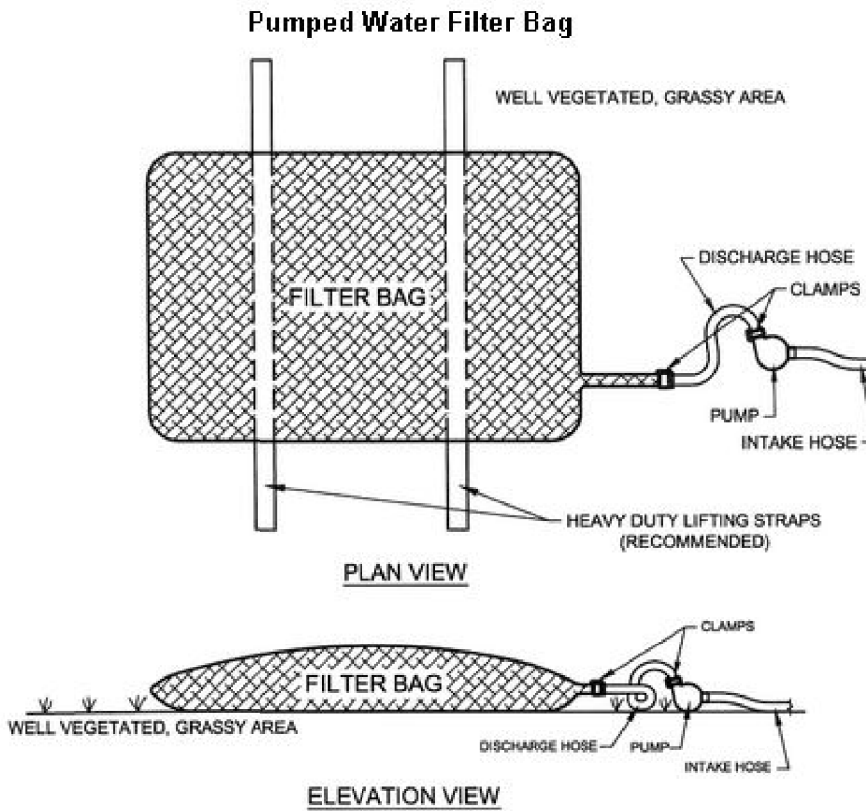
PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

EROSION CONTROL BLANKET INSTALLATION DETAILS

	Date
Designed _____	
Drawn B. JOHNSON _____	11/08
Checked _____	
Approved _____	



HRG PROJECT NO: 220908
HRG PROJ CONTACT:
FILE NAME: 220908.sht_dwg.dgn
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PEN TABLE: 010100.tbl



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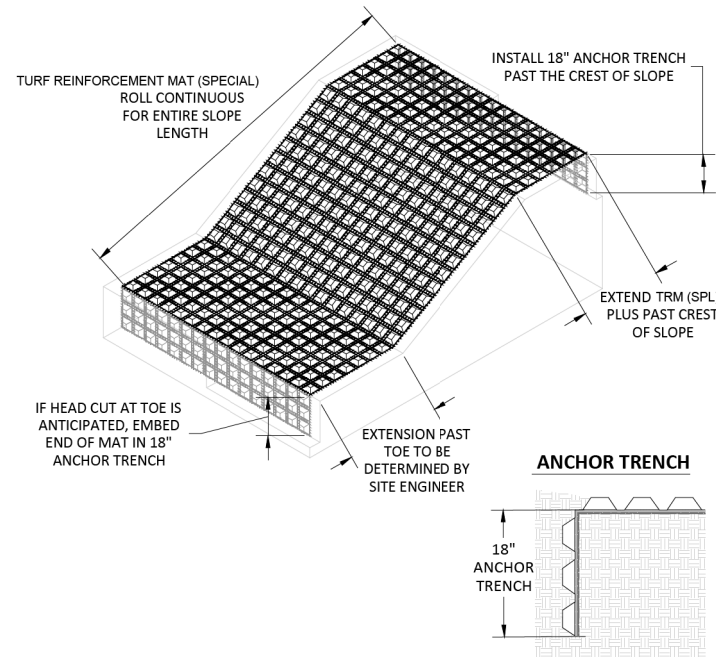
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS – TURF REINFORCEMENT MAT (SPECIAL)
WINN ROAD AND EAST SOLON ROAD

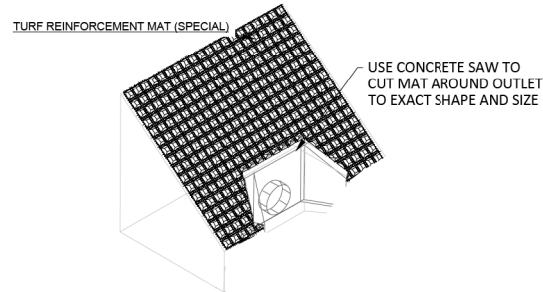
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F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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* 0165, 0157			CONTRACT NO.	61M07
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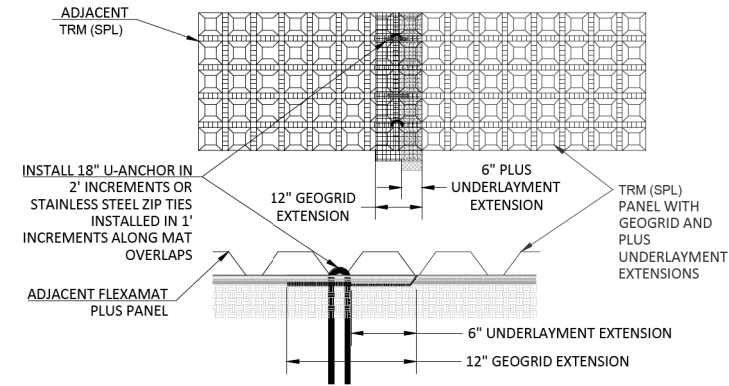
ISOMETRIC VIEW OF SLOPE AND ANCHOR TRENCHES



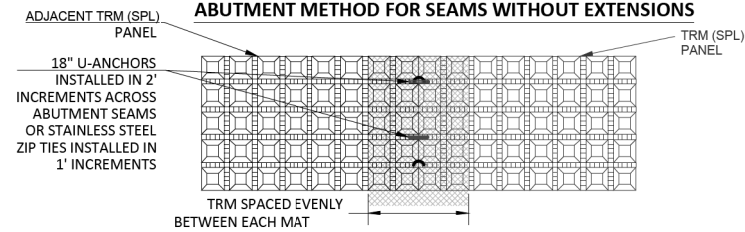
ISOMETRIC VIEW OF OUTLET
AND
SLOPE PROTECTION



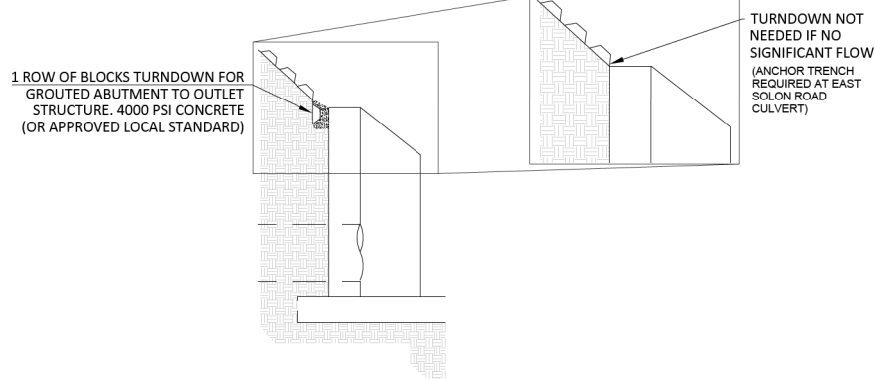
ABUTMENT METHOD FOR SEAMS WITH EXTENSIONS

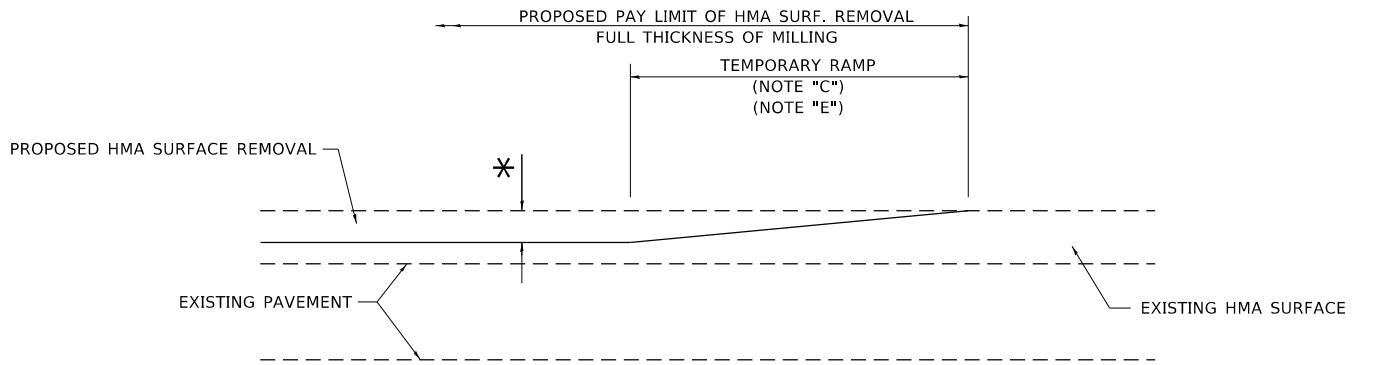


ABUTMENT METHOD FOR SEAMS WITHOUT EXTENSIONS



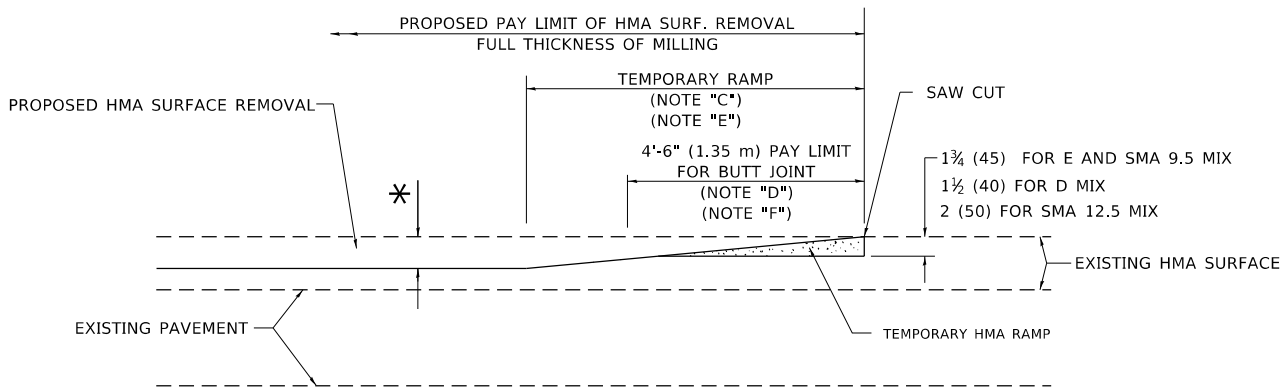
PROFILE VIEW OF GROUTED ANCHOR TRENCH





MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

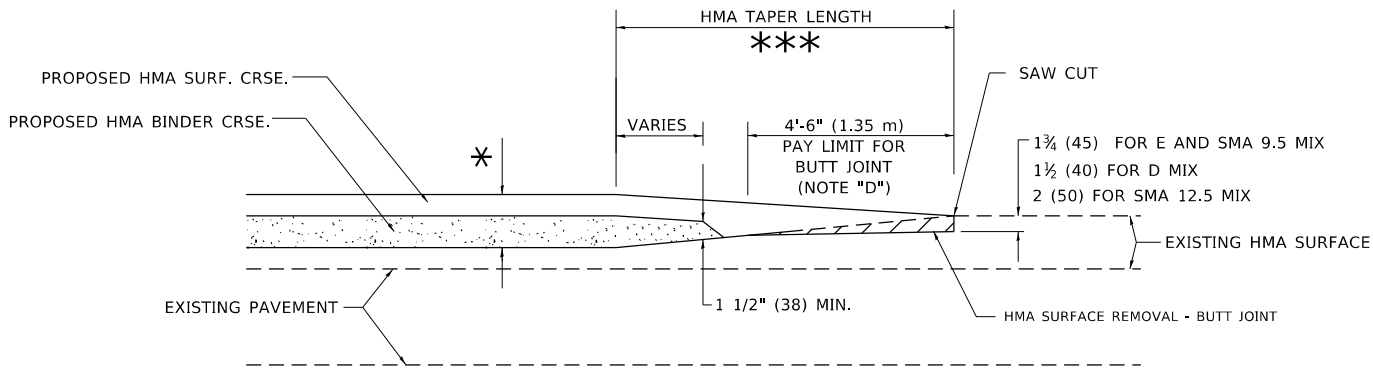
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

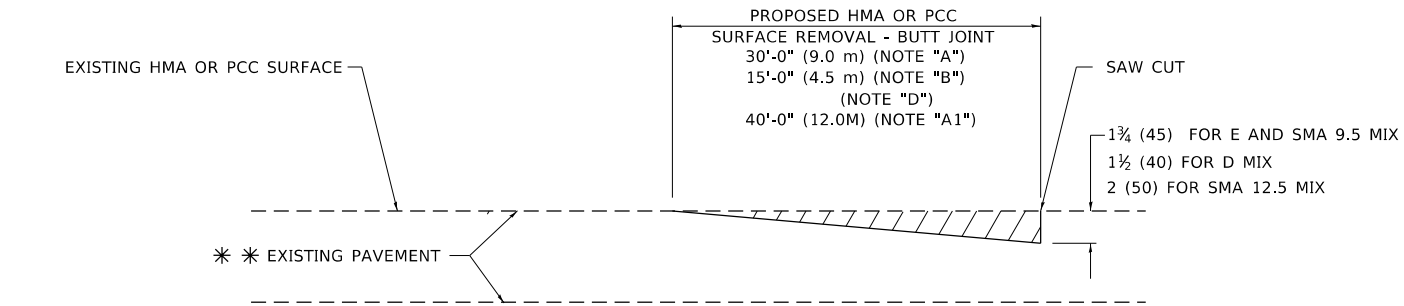
OPTION 2

TYPICAL TEMPORARY RAMP

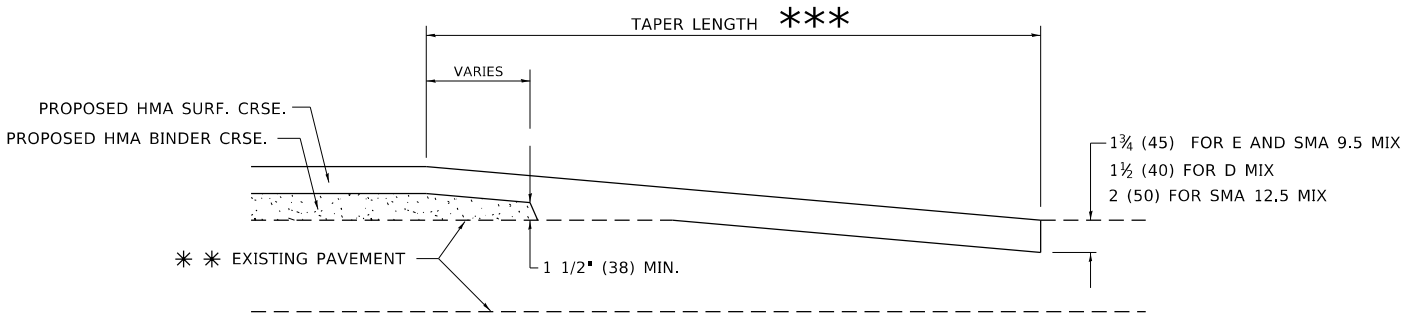


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

* 0165, 0157

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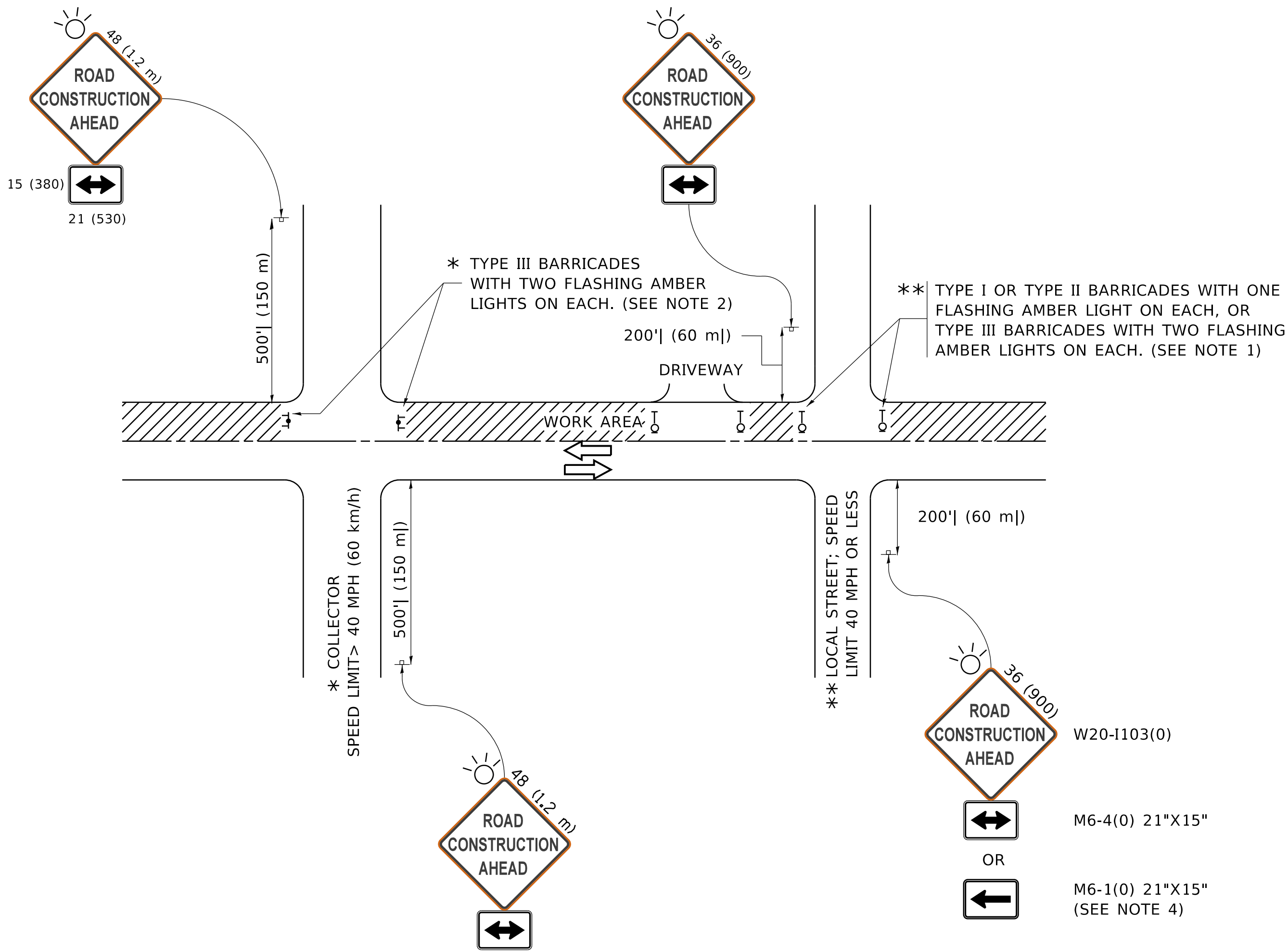
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	23-00021-00-RS	McHENRY	34	30
BD400-05 BD-32		CONTRACT NO.	61M07	
		ILLINOIS	FED. AID PROJECT	

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NOTES:

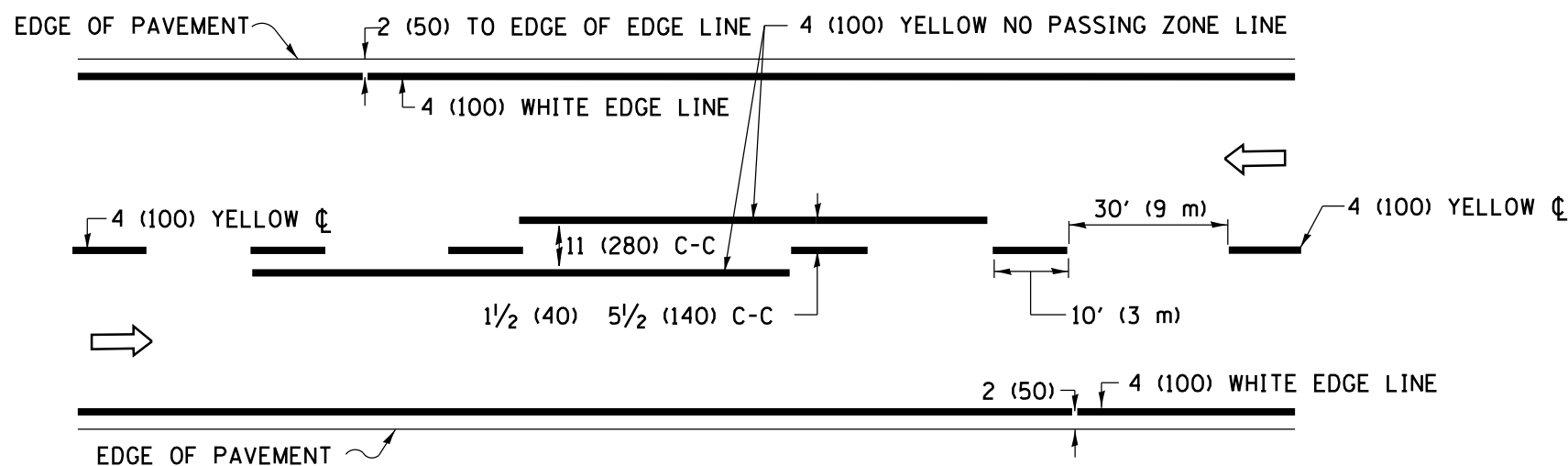
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters)
unless otherwise shown.

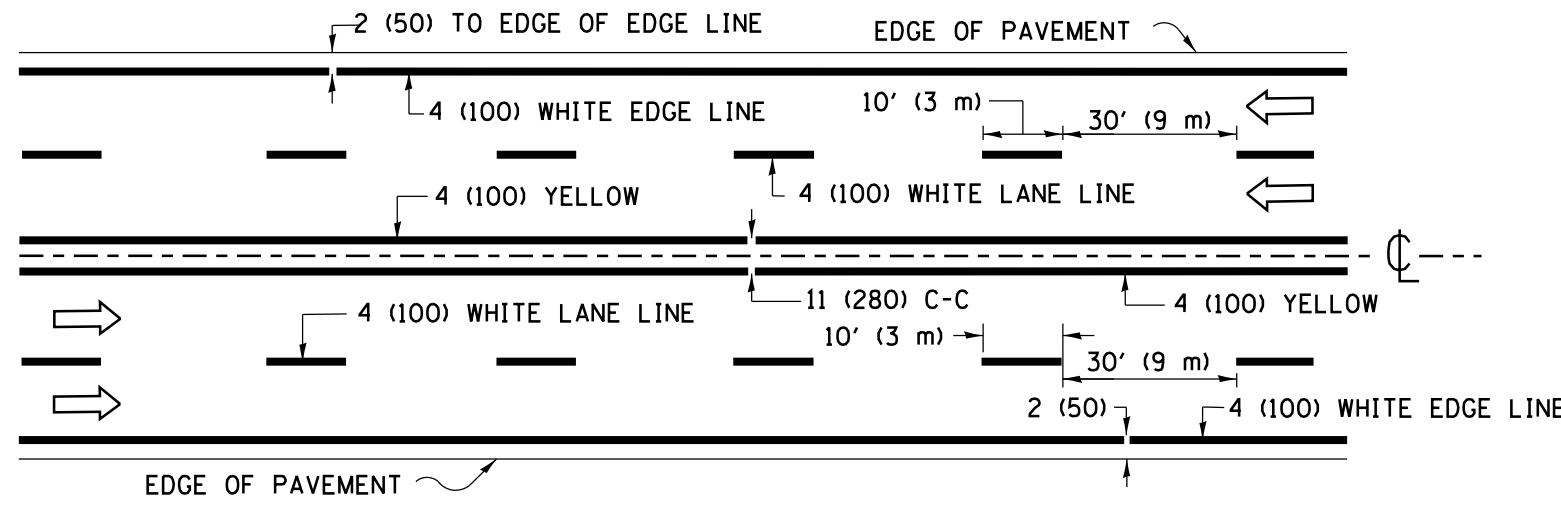
* 0165, 0157

	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED - T. RAMMACHER 01-06-00						*	23-00021-00-RS	McHENRY	34	32			
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13						TC-10		CONTRACT NO. 61M07					
	PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16						ILLINOIS FED. AID PROJECT							
	SCALE: NONE		SHEET 1 OF 1 SHEETS						STA.					TO STA.		

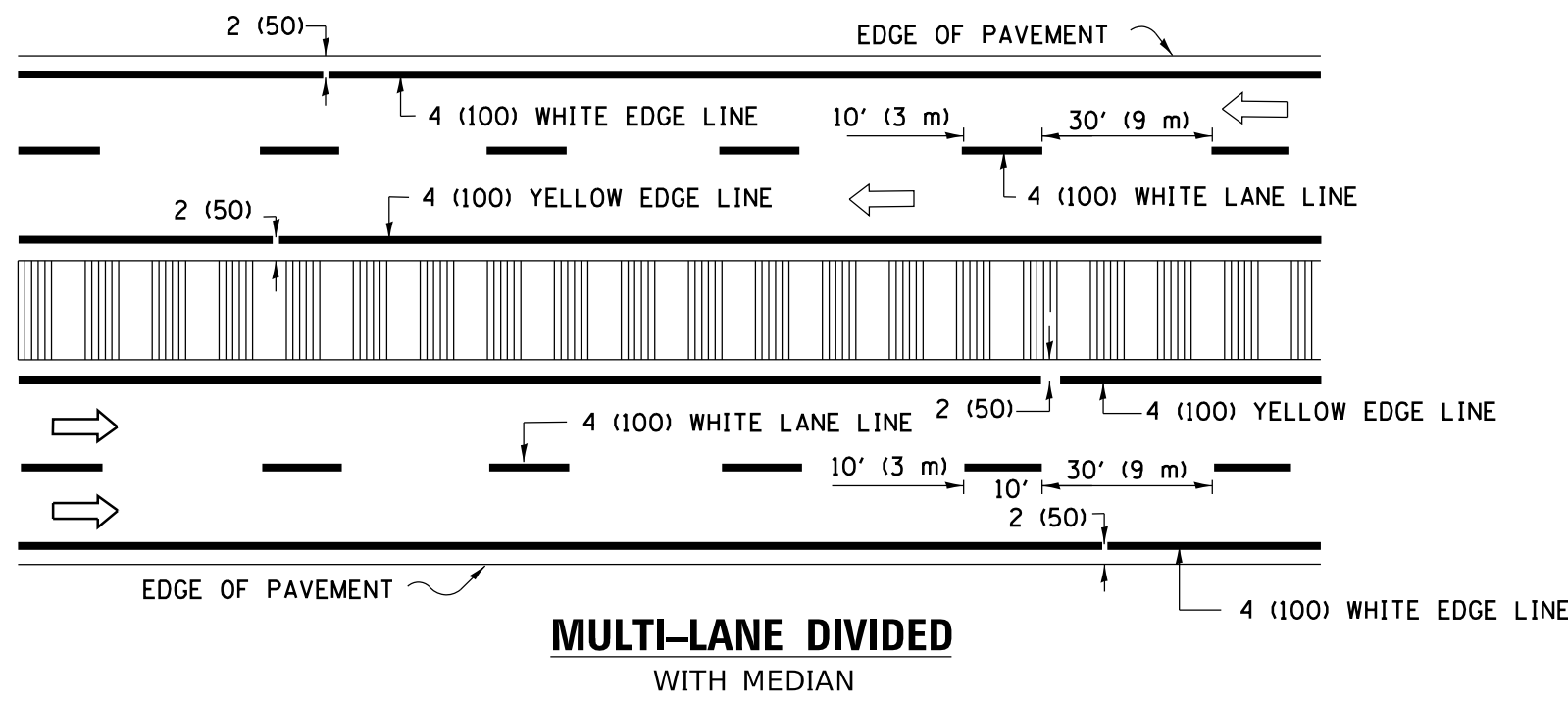
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13-Apr-2019 10:34:37 AM User: gogeml



2-LANE ROADWAY

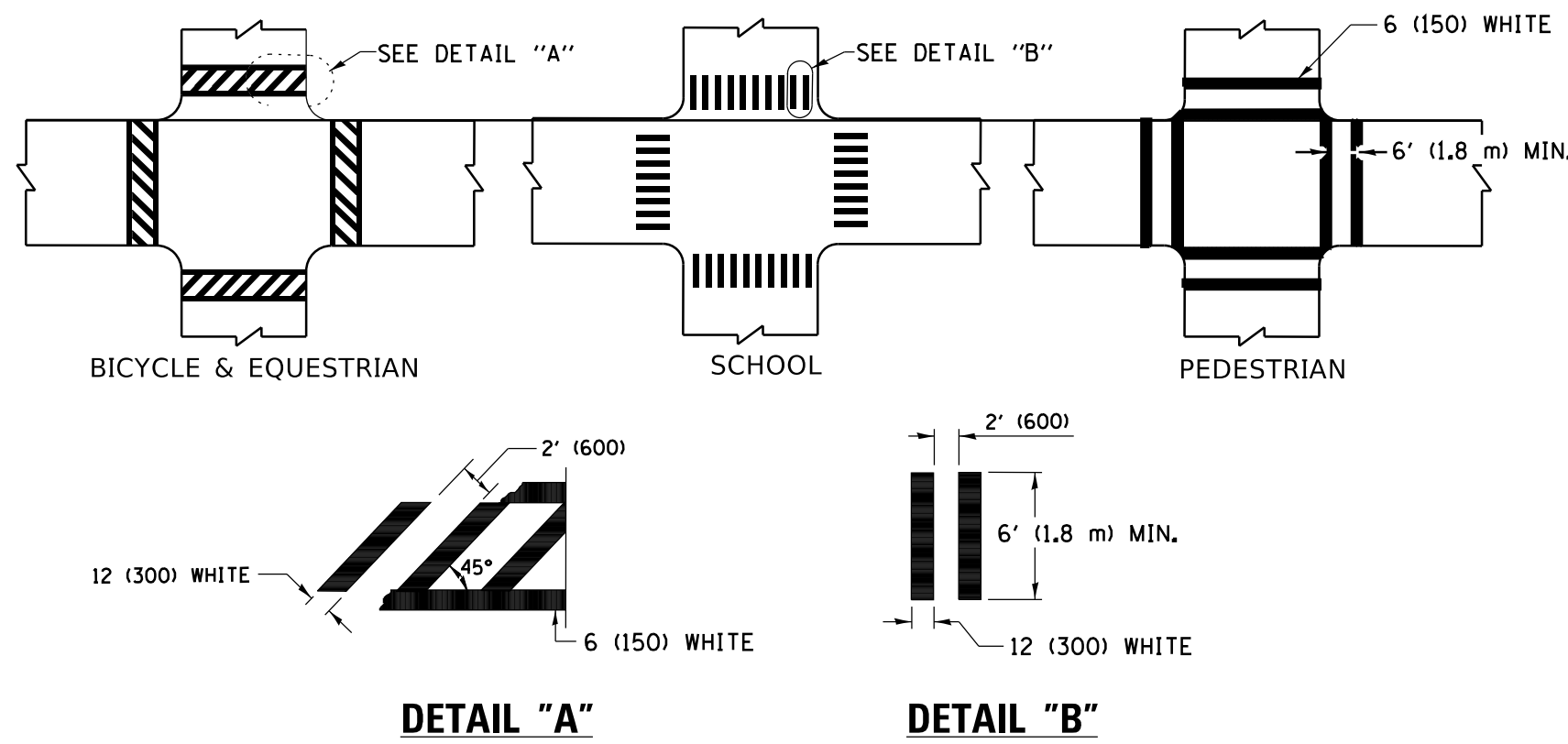


MULTI-LANE UNDIVIDED



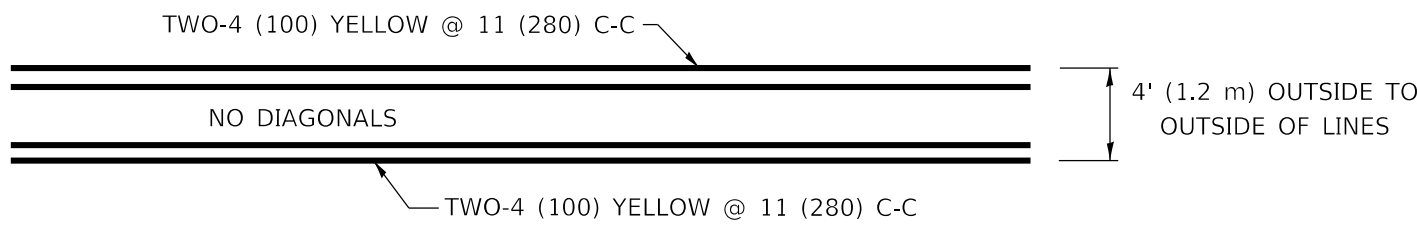
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

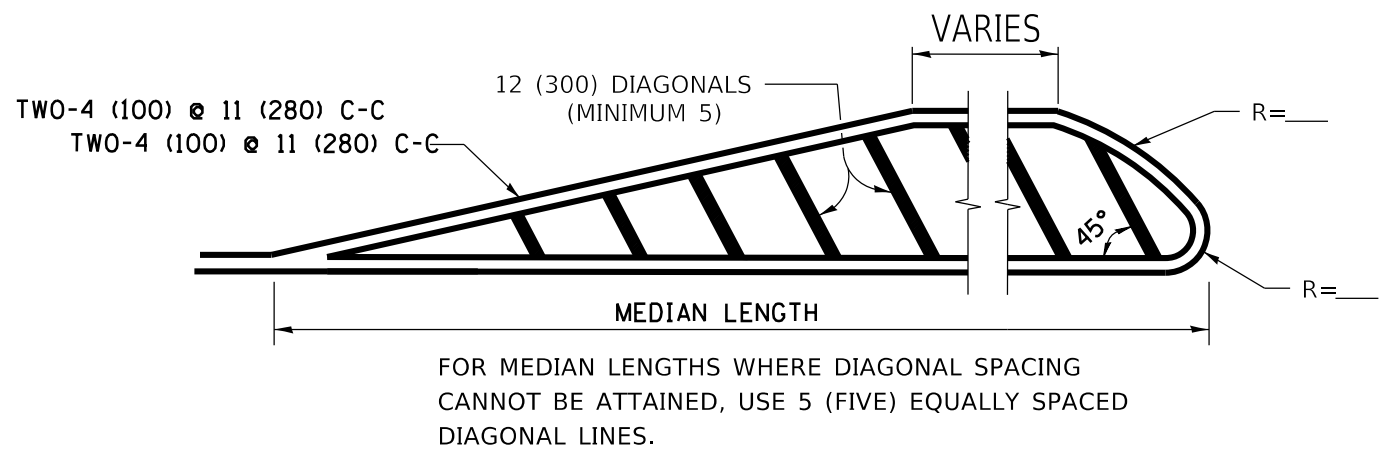


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

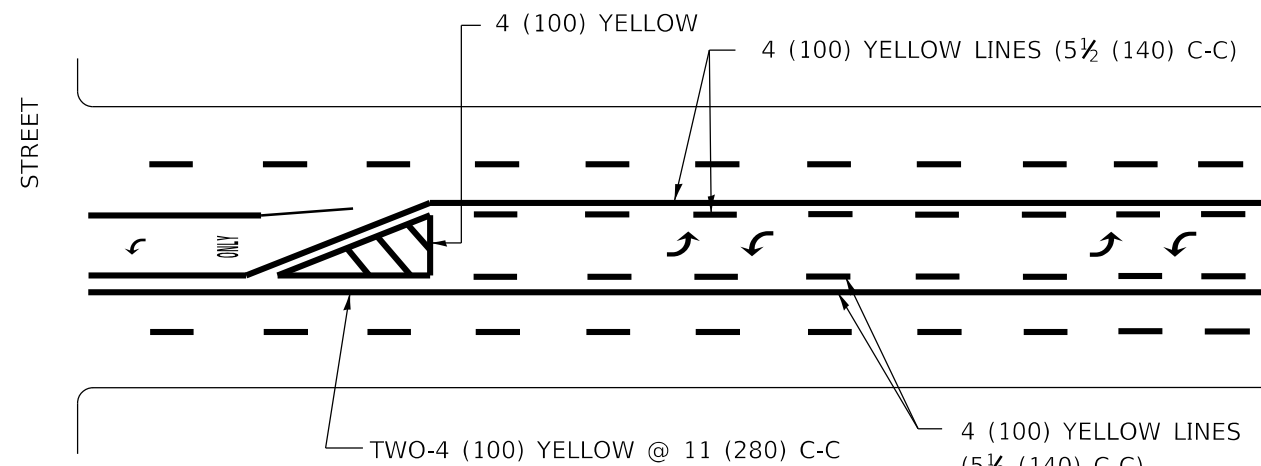


4' (1.2 m) WIDE MEDIANS ONLY

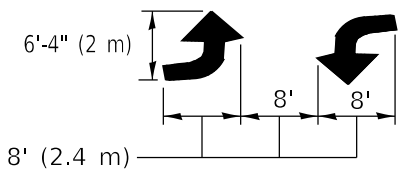


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

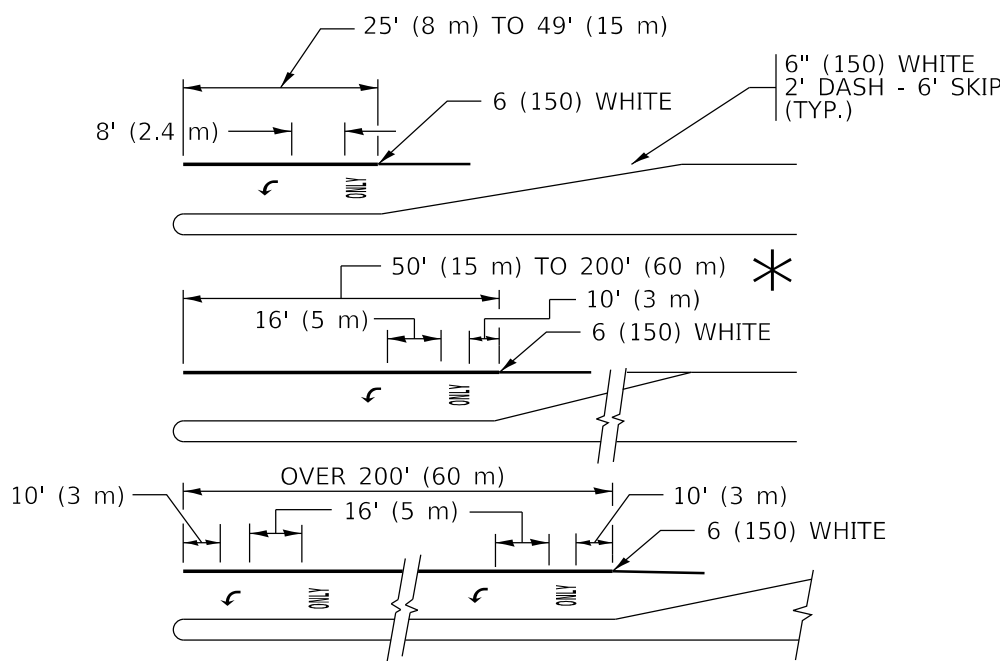


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



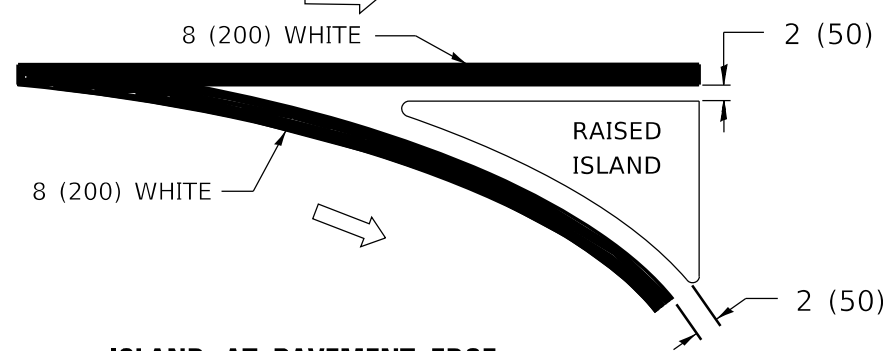
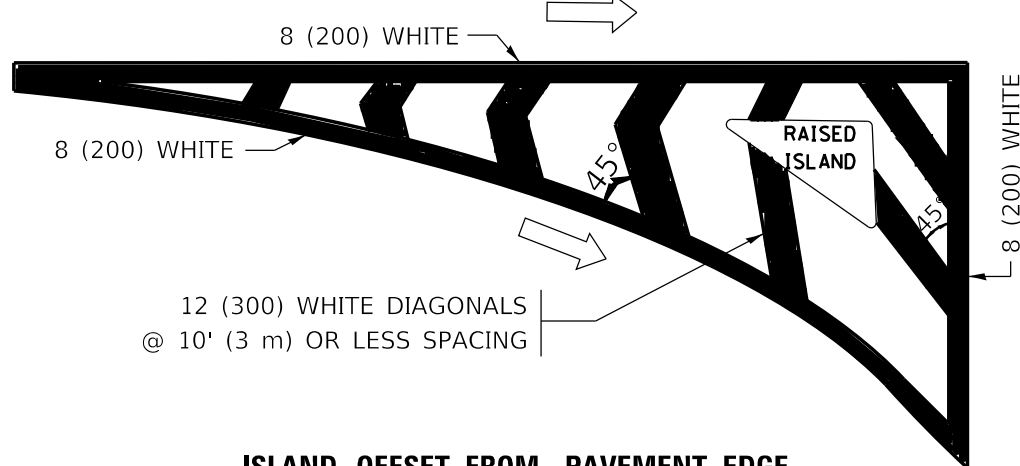
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

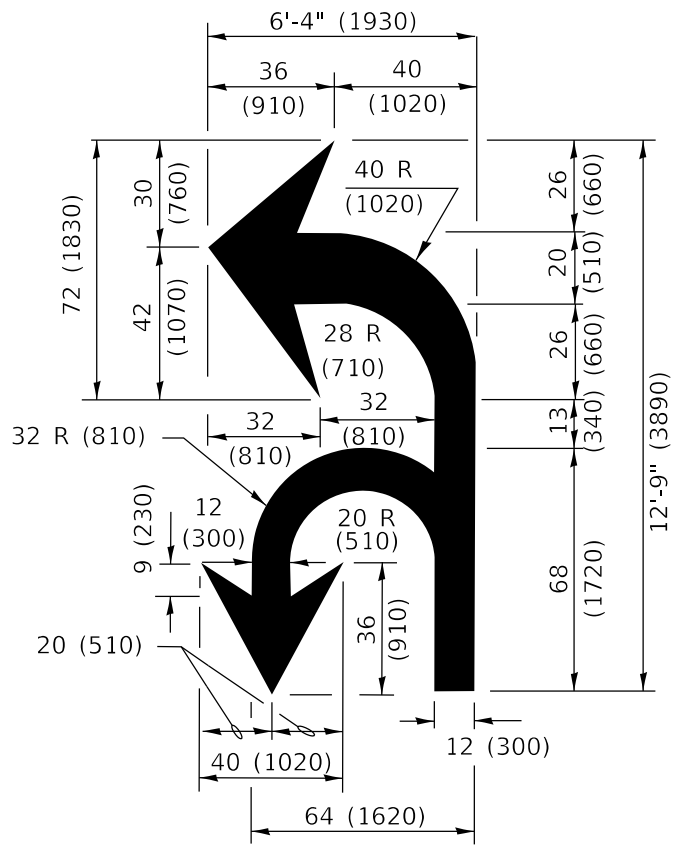
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

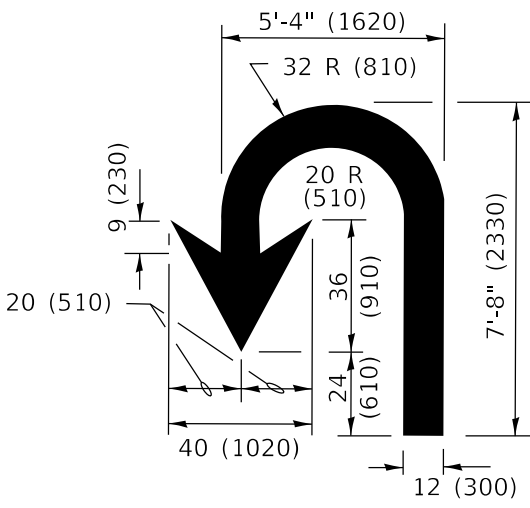
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGTUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

* 0165, 0157

DISTRICT ONE TYPICAL PAVEMENT MARKINGS					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					*	23-00021-00-RS	McHENRY	34	33
					TC-13		CONTRACT NO. 61M07		
					ILLINOIS				
					FED. AID PROJECT				

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

