

**REQUEST FOR PROPOSALS (RFP)
CONSTRUCTION OBSERVATION SERVICES FOR
SKOKIE BOULEVARD RESURFACING**

**Village of Northbrook
Northbrook, Illinois
January 21, 2026**

Introduction:

The Village of Northbrook ("***Village***") is requesting proposals for consultant professional construction observation services ("***Consultant Services***") for the Skokie Boulevard Resurfacing project that has been included in the Village's 2026-27 Fiscal Year (FY) Budget ("***Project***") and described below in this Request for Proposals ("***RFP***"). Respondents must be able to demonstrate previous construction observation experience with similar projects described herein. The submitted proposal should include the firm's qualifications, project team, resumes, detailed scope of services/tasks, schedule, man hour estimate, and not-to-exceed costs for completing the construction observation services specified below.

Background:

The surface layer of pavement on Skokie Boulevard between Lake Cook Road and the Village's southern limit needs to be replaced. The roadway was last resurfaced in 2006 and is currently rated as having limited failures. The surface has been repeatedly patched and its condition is reaching a point where patching will no longer be an option. Skokie Boulevard is classified as a Federal Aid Urban (FAU) route by the Illinois Department of Transportation. In FY 2021/2022, the Village received notice that this project was awarded grant funding from the North Shore Council for construction in FY 2026/2027 through the Surface Transportation Program. Phase I and II engineering is being performed in-house by Village Staff.

Description of the Construction Project:

The Village's FY 2026/2027 Budget (May 1, 2026 to April 30, 2027) has allocated funding for the construction of the LAFO Skokie Boulevard Resurfacing project. A brief summary of the construction work to be implemented can be found below:

The work will be performed on Skokie Boulevard from south of Sunset Ridge Road to Lake-Cook Road within the Village of Northbrook, Cook County, Illinois. The net project length is 9,400 feet (1.780 Miles) and the gross project length is 9,400 feet (1.780 Miles). Work will consist of removing the asphalt surface course, constructing an asphalt leveling binder and surface course as well as constructing asphalt patches; repairing segments of combination curb and gutter; repairing minor drainage structure deficiencies; installing pavement marking and providing traffic control and protection. Construction of the roadway improvements will be paid for through the Village's motor fuel tax allotment along with grant funding from the North Shore Council through the Surface Transportation Program.

Project Estimated Construction Cost: \$2,317,690.00

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Scope of Services/Tasks:

The following services/tasks including, but not limited to, the following will need to be performed/provided unless otherwise designated. If any additional tasks are added by the Proposer, please note as such by either bolding or italicizing in Proposal:

FULL TIME CONSTRUCTION OBSERVATION:

Staffing:

- Full time construction observation services are required
 - Full time within reason. If construction work is delayed and or no activity is occurring then the “project engineer” should not be billing time to the project.
 - If project work that does not require full time on site presence is occurring then the “project engineer” should not be billing time to the project.
- Assign one consultant employee to be the “project engineer”.
 - Employee will be the lead inspector and is expected to be on site during construction activities
 - The “Project engineer” identified in the consultant’s proposal is expected to serve as “project engineer” for the entire project. Any change in “project engineer” must be brought to the Village’s attention for review and approval.
 - The “project engineer” shall have a minimum of five years of experience in construction observation, management and inspection experience. If not five years experience, then the “project engineer” must have prior working experience with the Village performing these tasks
 - The project engineer shall have a computer with internet access on hand and a company vehicle at all times.

Scope of Services

- Project Startup.
 - Hold pre-construction meeting with contractor, Village staff, and other pertinent parties.
 - Develop and distribute Project Notifications (letters to impacted businesses and residents).
- Maintain Daily Project Diary, Daily Inspection Reports, and all other Pertinent Records.
 - Daily reports should include labeled construction photos
- Review material submittals to ensure they are in accordance with the requirements set forth in the Contract and Engineering Drawings.
- Perform construction inspection of all Contract Work to ensure improvements are constructed safely with minimal impact on the public and in accordance with the project specifications.
- Answering of questions and resolving issues and concerns from impacted property owners.
- Contract Administration/Documentation.
- Documentation of Contract Quantities through IDOT’s CMMS program.
- Compliance with all federal and state grant requirements
- Ensure Compliance with all applicable Permits.
- Serve as initial point of contact for all project related resident concerns. Then after consultation with Village staff, work with all involved parties to resolve concerns.
- Administer weekly Progress Meetings with Village staff and contractor. Provide timely meeting minutes.
- Provide the Village a minimum of three photos of the construction project per week when there is active construction.
- Provide a brief daily emailed update to Village project manager at the end of each work day. Summarize the work completed and advise what work is expected for the next day.

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- Review contractor progress against construction schedule timeframe/completion dates. Send a summary email each week with summary of work performed and advising contractor of remaining days and completion date (or any interim deadlines).
- Review/Process Contractor Progress Pay Requests (review waivers of lien, sworn statements and certified payroll records and have contractor revise documents as necessary) and Recommend for Payment to the Village.
- Coordinate QA material testing services with the Village's material testing consultant to ensure QA material testing work is performed.
- Developing and Processing of Change Orders, if necessary.
- Project Finalization.
 - Develop and ensure completion of the projects' "Punch List."
 - Review contractor submitted As-Built plans for accuracy.
 - Warranties/Guarantees and Final Lien Waiver from Contractor.
 - Final Project Acceptance by Village.
 - Final Payment to Contractor.
 - Address any issues that arise during warranty period (up to 1 year beyond date of final payment to Contractor).
 - Provide hard copy of all project documents (job box) at the end of the project
 - Provide electronic copy of all project documents on a CD or USB flash drive
 - Electronic files should be organized in a manner that is consistent with the hard copy of the job box and shall use common file formats such as PDF or Microsoft office

Estimated Project Construction Schedule

Task	Date
Bid Opening	June 12, 2026
BOT Construction Contract Award	July 14, 2026
Preconstruction Meeting	July 17, 2026
Construction Start	August 3, 2026 (60 Working Days)
Substantial Completion	October 2, 2026
Final Completion (Restoration and Punch List)	October 10, 2026

Construction projects include a one year warranty period starting upon issuance of the project completion letter to the construction contractor. Construction observation services to be provided as needed during warranty period.

Instructions to Consultants:

Preparation of Proposals

The Village is requesting proposers provide an **estimate of required man-hours of construction observation** in their proposals. The man-hours estimate should be determined based on the below assumptions:

- Contract will be awarded May 26, 2026 with construction observation services beginning following award.
- Full time inspection begins on August 3 and runs through the completion of the project in October.
- A minimum of 100 man-hours of the project budget needs to be reserved for project closeout.

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Please note that the Village will not pay for travel time for consultant inspection staff. It is expected the consultant has office/staff near the project site. The Village will only pay for consultant inspection time spent working on the project (either on site or remotely).

All proposals must be signed by an authorized official. Proposals that contain omissions, erasures, alterations, or additions not called for, conditional or alternate bids unless called for, or that contain irregularities of any kind may be rejected. All reimbursable expenses including office supplies and travel expenses shall be listed separately and included within the **overall not-to-exceed cost**.

Clarifications & RFI's

Village reserves the right to make clarifications, corrections, or changes in this RFP at any time prior to the time proposals are due. Questions and requests for information must be submitted before noon local time on February 25, 2026 to Jim Huff, Engineering Technician, at james.huff@northbrook.il.us. The Village will issue addendums and/or responses to RFI's on the Village's website at <http://www.northbrook.il.us/bids.aspx>. It is the consultant's responsibility to check the website for addendum/response to RFI's.

All proposals submitted must acknowledge receipt of all addenda issued by the Village.

Delivery of Proposals

Please submit **four (4) paper copies** of your proposals in a sealed envelope plainly marked with the title of the project and firm's full legal name to the **Village of Northbrook, Jim Huff, Engineering Technician, Public Works Center, 655 Huehl Road, Northbrook, Illinois 60062, no later than 12:00 P.M., Wednesday, March 4, 2026**. This must include an **overall not-to-exceed cost** (detailed cost breakdowns in terms of hours, hourly rates, direct costs, etc.) for each Project and the overall total. In addition, **please submit one (1) Flash Drive containing your proposal**. Proposals may be delivered by mail or in person. Proposals received after the time specified above will be returned unopened.

RFP Schedule

Task	Date
Proposals Due	March 4, 2026
Select and notify finalists	March 27, 2025
Interview finalists	April 6-10, 2026
Select Consultant	April 17, 2026
BOT Contract Award	May 26, 2026

Evaluation of Proposals:

The submitted proposals will be reviewed and selected based upon factors in this RFP and including the following:

- (1) Experience on similar projects with references (name, title, address, phone, e-mail & fax numbers) within the last three years only;
- (2) Firm Information (size, location, history, resources, etc.)
- (3) Qualifications (resumes) of personnel assigned to work on the project (project team), organizational chart, etc. **Please clearly identify who the project resident engineer will be.**

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- (4) Ability to meet project deadlines (availability of staff to perform services);
- (5) Completeness of project approach (detailed scope of services/tasks, etc.);
- (6) Any additional services/tasks not identified in this RFP that the consultant believes will improve the project, reduce costs and time, etc.;
- (7) The Village's prior experience working with the Proposer; and

Follow-up discussions/interviews may be conducted with several firm(s) to resolve any questions, finalize the scope of work and service agreement on final not-to-exceed cost as a means to recommend final selection to the Board of Trustees if necessary.

Freedom of Information Act

All information submitted to the Village in response to this Request for Proposals shall be deemed a public record and will be subject to disclosure under the Illinois Freedom of Information Act (5 ILCS 140 *et seq.*) subsequent to the award of the contract. Consultants are advised that Section 7(1)(g) of that Act exempts the following from disclosure:

Trade secrets and commercial or financial information obtained from a person or business where the trade secrets or commercial or financial information are furnished under a claim that they are proprietary, privileged or confidential, and that disclosure of the trade secrets or commercial or financial information would cause competitive harm to the person or business, and only insofar as the claim directly applies to the records requested.

Consultants desiring to have portions of their proposals considered exempt are advised to mark these portions accordingly.

Withdrawal of Proposals

No proposal shall be withdrawn for a period of 60 days after the proposal due date.

Rejection of Proposals

Proposals that are not prepared in accordance with these Instructions may be rejected. If not rejected, Village may request correction of any deficiency and accept the deficiently prepared proposal upon compliance with these Instructions to Consultants.

Acceptance of Proposals

Proposals submitted are offers only and the decision to accept or reject is a function of quality, reliability, capability, reputation, and expertise of the Consultants.

The Village reserves the right to accept the proposal that is, in its judgment, the best and most favorable to the interests of Village and to the public based on the evaluation factors in this RFP; to reject the low price proposal; to accept any item of any proposal; to reject any and all proposals; and to waive irregularities and informalities in any proposal submitted or in the request for proposal process; provided, however, the waiver of any prior defect or informality shall not be considered a waiver of any future or similar defect or informality. Consultants should not rely upon, or anticipate, such waivers in submitting their proposal.

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Consultant Services Contract:

The Village uses a standard Contract (with appropriate project description inserts/details) for consultant services, which the successful firm must execute. A copy of the form of Contract is included in the Appendix.

Note that Village payment for work completed shall be by time and materials as documented by each staff member, their rate, and their hours worked. The contract will have a not to exceed total amount included.

Any requested modifications that the consultant plans to request to be made to the standard Contract must be noted in the consultant's Proposal. The Village will take these requests under consideration in the review process. Changes requested after the submission of the proposal will not be considered.

Appendix:

- Exhibit A: Draft pre-final Engineering Plans
- Exhibit B: Insurance Requirements
- Exhibit C: Form of Standard Consultant Services Contract

APPENDIX

EXHIBIT A

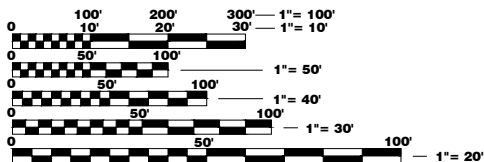
Draft pre-final Engineering Plans

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
F.A.U. ROUTE 2771 (SKOKIE BOULEVARD)
FROM LAKE COOK ROAD TO SOUTHERN VILLAGE LIMITS
ROADWAY RESURFACING
SECTION 21-00181-00-RS
PROJECT NO. 4MJU(238)
VILLAGE OF NORTHBROOK
COOK COUNTY
C-91-188-26

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

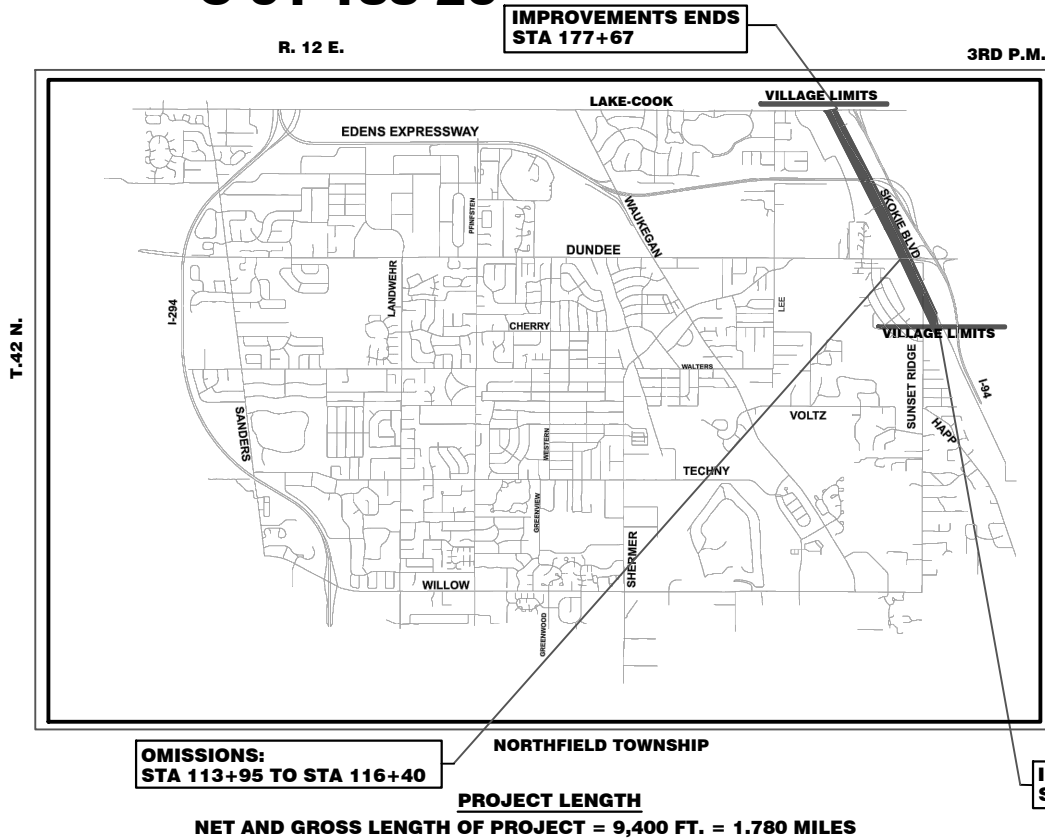
TRAFFIC DATA:
ADT 16,600 VPD (2022)
POSTED SPEED LIMIT - 40 MPH
DESIGN SPEED LIMIT - 45 MPH
CLASSIFICATION: URBAN COLLECTOR



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.

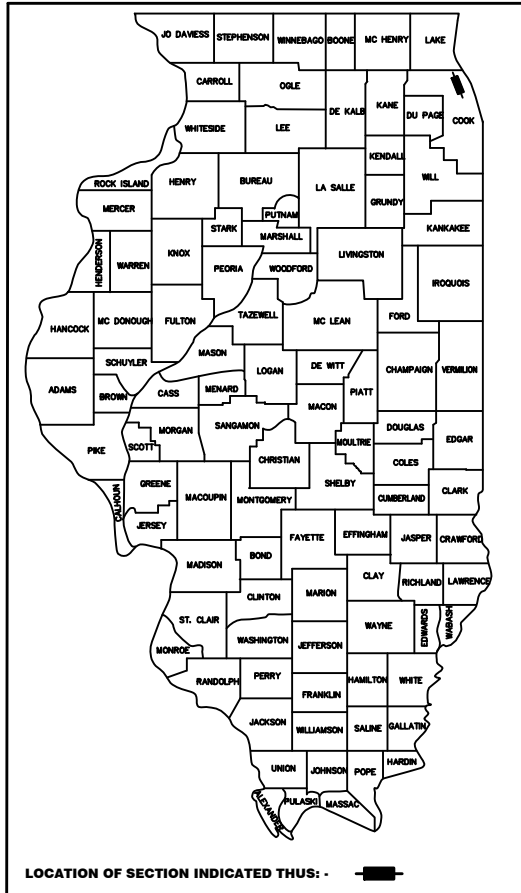
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. XXXXX



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	36	1

CONTRACT: XXXXX



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
APPROVED _____ 20 _____ NORTHBROOK VILLAGE ENGINEER
PASSED _____ 20 _____ DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REIEW _____ 20 _____ DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER
PROFESSIONAL ENGINEER'S SIGN & SEAL EXPIRES: _____
PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1COVER SHEET

2GENERAL NOTES, DISTRICT ONE DETAILS, STATE STANDARDS

3 – 4SUMMARY OF QUANTITIES

5 – 7TYPICAL SECTIONS

8 – 15ROADWAY PLAN SHEETS

16 – 24PAVEMENT MARKING PLAN SHEETS

25 – 36D1 HIGHWAY STANDARDS

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001–09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201–04	CLASS C AND D PATCHES
604076–06	FRAMES AND GRATES TY 21
606001–09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701602–10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701–10	URBAN LANE CLOSURE, MULTILANE, INTERSECTIONS
701901–11	TRAFFIC CONTROL DEVICES
780001–01	TYPICAL PAVEMENT MARKINGS
781001–04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKINGS
886001–01	DETECTOR LOOP INSTALLATIONS

DISTRICT ONE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
BD–01	DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15’(4.5M)
BD–02	DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER < 15’(4.5M)
BD–08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD–22	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT
BD–24	CURB AND GUTTER REMOVE AND REPLACE
BD–32	BUTT JOINT AND HMA TAPER DETAILS
TC–10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC–11	RAISED REFLECTIVE PAVEMENT MARKINGS (SNOW PLOW RESISTANT)
TC–13	TYPICAL PAVEMENT MARKINGS
TC–16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC–22	ARTERIAL ROAD INFORMATION SIGN
TS–07	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

GENERAL NOTES:

1.THE CONTRACTOR SHALL PERFORM ALL WORK IN THIS CONTRACT IN A MANNER THAT CONFORMS WITH THE NORTHBROOK MUNICIPAL CODE. THE CONTRACTORS ATTENTION IS DRAWN SPECIFICALLY TO PROVISIONS OF THE MUNICIPAL CODE REGARDING CONSTRUCTION EQUIPMENT TRACKING MUD ON PUBLIC STREETS (SEC. 16–1) AND DUST CONTROL (SEC. 16–25).

2."STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO HEREFTER AS "STANDARD SPECIFICATIONS"), AND IT’S SUPPLEMENTAL REFERENCES, PUBLISHED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "STANDARDS AND SPECIFICATIONS FOR PUBLIC AND PRIVATE IMPROVEMENTS", PUBLISHED BY THE VILLAGE OF NORTHBROOK, SHALL BE INCORPORATED BY REFERENCE INTO THIS CONTRACT. ANY CONTRADICTION BETWEEN THESE REFERENCES UNRESOLVED BY THE SPECIAL PROVISIONS SHALL BE INTERPRETED BY THE ENGINEER.

3.THE BITUMINOUS SURFACE SHALL BE MILLED IN A MANNER THAT WILL LEAVE THE EXISTING SURFACE 3 INCHES BELOW THE EDGE OF THE GUTTER FLAG WITH A CROSS SLOPE BETWEEN 1.5% AND 2.5%.

4.THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SHORT TERM PAVEMENT MARKING FROM THE FINAL SURFACE JUST PRIOR TO OR JUST FOLLOWING THE INSTALLATION OF THE PERMANENT PAVEMENT MARKING. THE COST OF THE REMOVAL SHALL BE INCLUDED IN THE COST OF "SHORT TERM PAVEMENT MARKING".

5.COMBINATION CONCRETE CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS DRIVEWAYS AND TRANSITIONS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE CURB AND GUTTER TRANSITION .

6.IT SHALL BE THE CONTRACTOR’S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

7.THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR OWNER. THIS WORK SHALL BE DONE AT THE CONTRACTOR’S EXPENSE.

8.ONLY PRECAST CONCRETE ADJUSTMENT RINGS SHALL BE ALLOWED FOR THE ADJUSTMENT OF CATCH BASINS, MANHOLES, VALVE VAULTS AND INLETS.

9.THE CONTRACTOR SHALL ERECT "FRESH OIL" SIGNS PRIOR TO THE PLACEMENT OF THE PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS.

10.THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF CURB AND GUTTER, PAVEMENT AND ALL OTHER MATERIALS EXCAVATED OR REMOVED DUE TO THE PROPOSED IMPROVEMENTS. ALL EXCESS EXCAVATED SHALL BE REMOVED FROM THE WORKSITE ON THE DAY OF ITS EXCAVATION. NO ADDITIONAL PAYMENT SHALL BE MADE FOR HAULING THESE MATERIALS OUTSIDE THE PROJECT LIMITS.

11.ALL WORK NECESSARY TO RESTORE DISTURBED AREAS WILL NOT BE MEASURED FOR PAYMENT, BUT THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEM CAUSING THE DISTURBANCE.

12.FRAMES AND GRATES, TYPE 21 SHALL HAVE THE WORDS "DUMP NO WASTE" AND "DRAINS TO WATERWAYS" AND A SIDEVIEW OF A FISH STAMPED OR CAST INTO THE TOP SIDE OF CURB BACK.

13.CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

14.PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING LAGOONS. A PHOSPHORUS–FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

FILE NAME – :K/huff/mft/skokie lafo	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	INDEX OF SHEETS, DIST 1 DETAILS, STATE STANDARDS & GEN NOTES SKOKIE BOULEVARD RESURFACING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE 20.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. XXXXX				
	PLOT DATE - XX-XX-XX	DATE - 09-18-25	REVISED -		SCALE: N/A	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+66	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

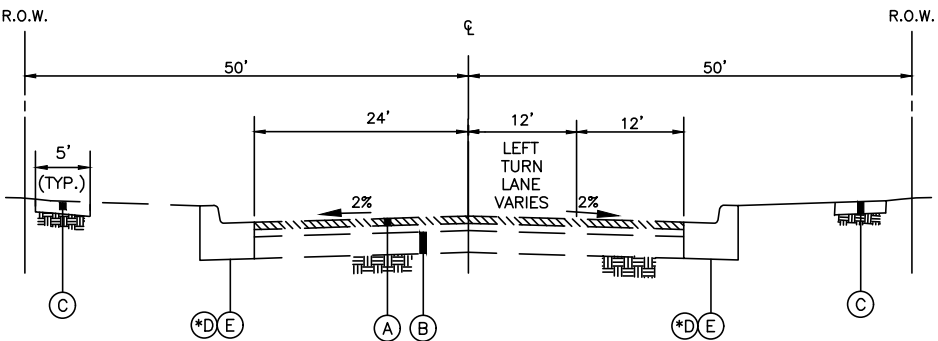
				SPECIALITY ITEM	ITEM NO.	DESCRIPTION	UNIT	CONSTRUCTION CODE TYPE 0005
					20101100	TREE TRUNK PROTECTION	EACH	10
					20101200	TREE ROOT PRUNING	EACH	10
					40600290	BITMINOUS MATERIALS (TACK COAT)	POUND	46,575
					40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	30
					40600982	HOT MIX ASPHALT SURFACE REMOVAL, BUTT JOINT	SQ YD	690
					40603200	POLYMERIZED HOT MIX ASPHALT BINDER COURSE. IL-4.75, N50	TON	3,864
					40603340	HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	7,728
					42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVT, 8"	SQ YD	300
					44000161	HOT MIX ASHALT SURFACE REMOVAL, 3"	SQ YD	69,000
					44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	800
					44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	300
					44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	300
					44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	1,200
				*	60250200	CATCH BASIN ADJUSTMENT	EACH	60
				*	60252800	CATCH BASIN RECONSTRUCTION	EACH	3
				*	60300305	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	50

FILE NAME — :K/huff/mft/skokie lafo	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE 20.000/ in	CHECKED - J. KOZA	REVISED -					CONTRACT NO. XXXXX				
	PLOT DATE - XX-XX-XX	DATE - XX-X-XX	REVISED -		SCALE: N/A	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+66	FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

J:\HUFF\SKOKIE LAFO\SKOKIE TYP-SEC.DWG

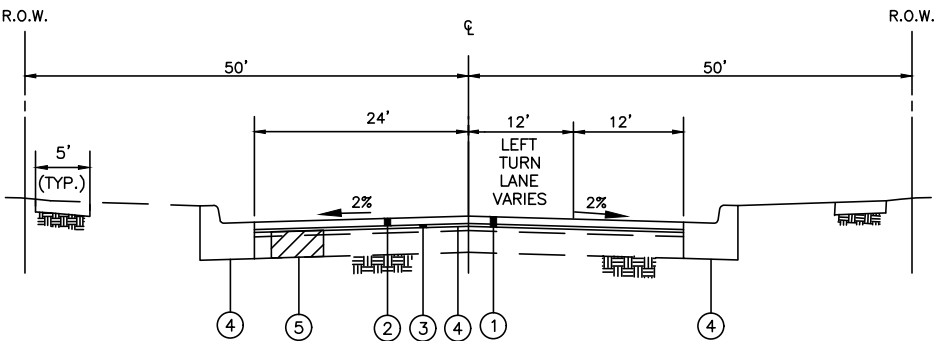
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	34	3

CONTRACT: XXXXX



EXISTING TYPICAL SECTION, SKOKIE BOUEVLARD

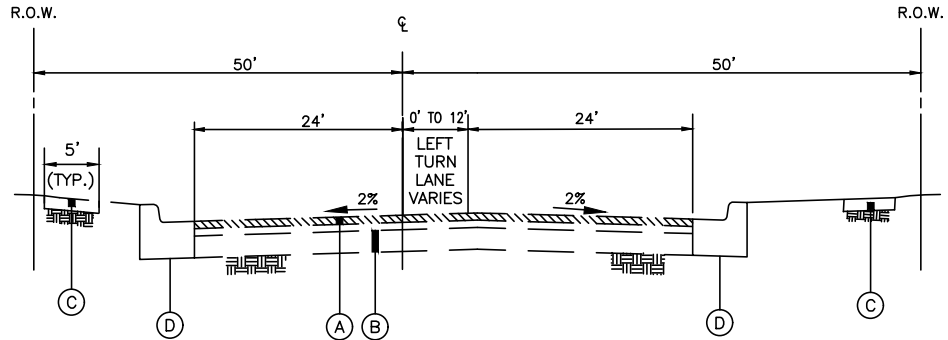
*STA. 82+00 TO 96+40



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

*STA. 82+00 TO 96+40

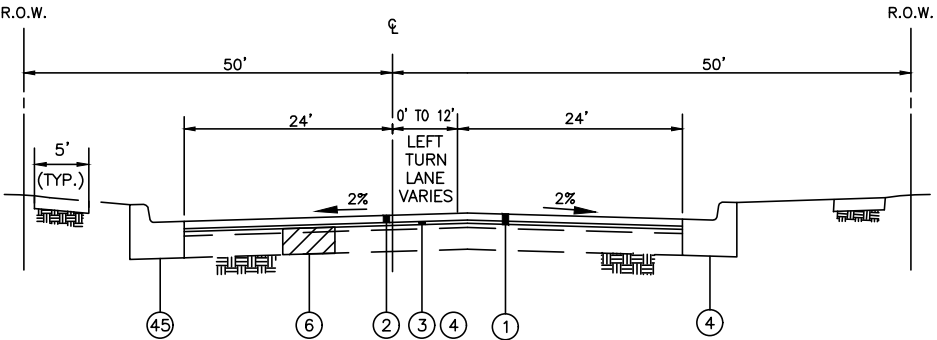
- (A) EXISTING BITUMINOUS SURFACE COURSE
- (B) EXISTING P.C.C. BASE COURSE
- (C) EXISTING P.C.C. SIDEWALK
- (D) COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (E) COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (F) CONCRETE MEDIAN
- (1) HMA SURFACE REMOVAL, 3"
- (2) HMA SURFACE COURSE, IL-9.5, MIX "D", N70, (2")
- (3) POLYMERIZED HMA BINDER COURSE. IL-4.75, N50 (1")
- (4) COMB. CONC. CURB & GUTTER REMOVAL AND REPLACEMENT (SPECIAL), AS DIRECTED BY THE ENGINEER
- (5) CLASS D PATCHES, 9", AS SHOWN ON PLANS AND DIRECTED BY THE ENGINEER



EXISTING TYPICAL SECTION, SKOKIE BOULEVARD

STA. 96+40 TO 102+00

STA. 106+00 TO 110+40



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

STA. 96+40 TO 102+00

STA. 106+00 TO 110+40

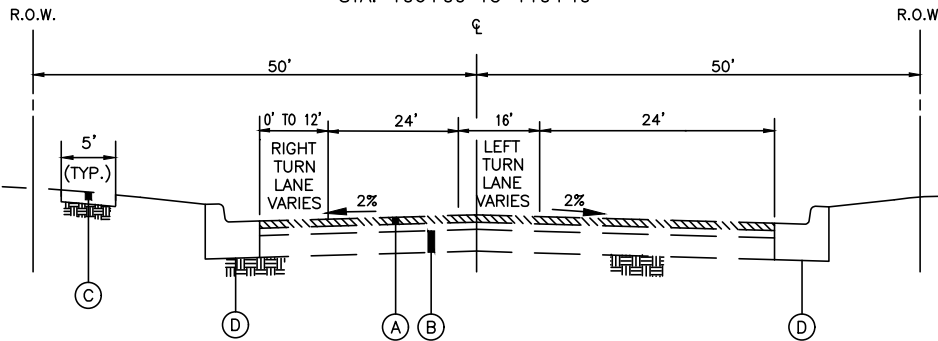
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @NDEN	QMP
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR.	LR1030-2
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 GYR.	LR1030-2
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50, 9"	4% @ 50 GYR.	LR1030-2
DRIVEWAY PATCHES	HMA SURFACE COURSE MIX "D" IL-9.5, N50 3" (IN 2 LIFTS)	4% @ 50 GYR.	LR1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2

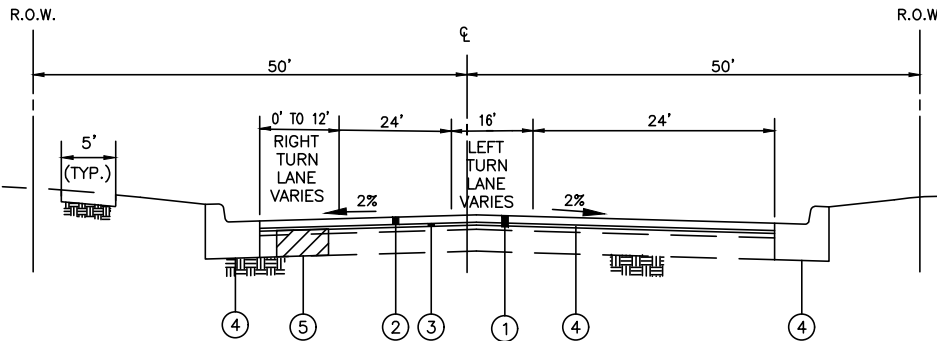
THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURES IS 112 LBS./SQ.YD./IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.



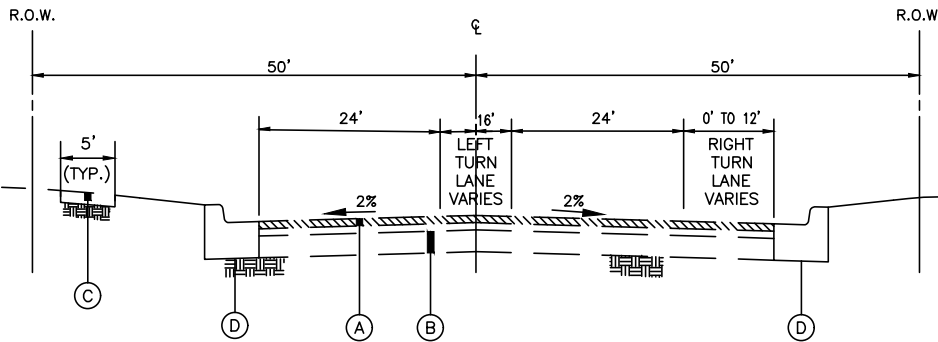
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD

STA. 102+00 TO 106+00



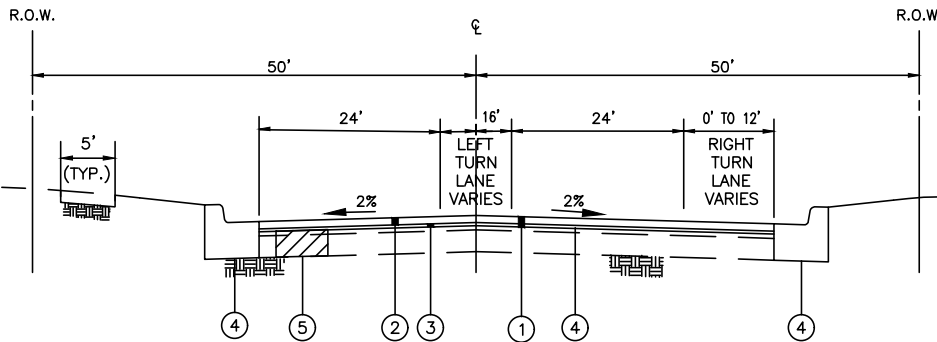
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

STA. 102+00 TO 106+00



EXISTING TYPICAL SECTION, SKOKIE BOUELVARD

STA. 110+40 TO 113+95



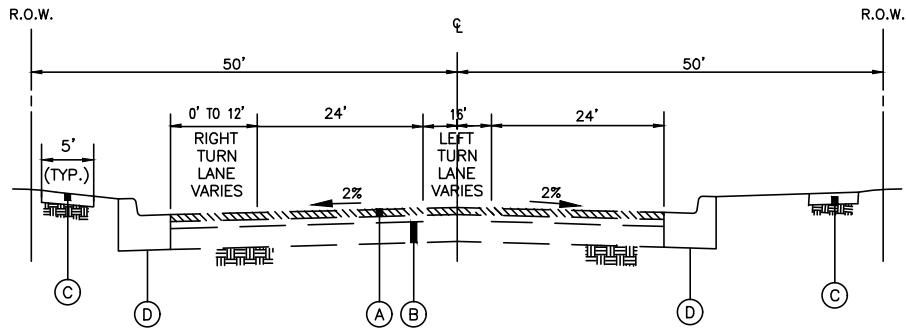
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

STA. 110+40 TO 113+95

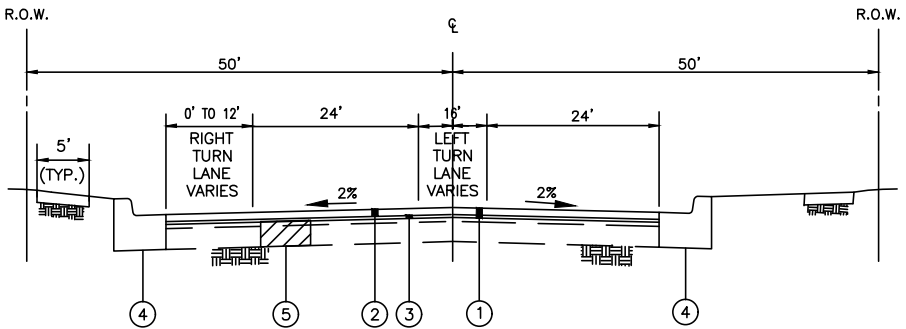
FILE NAME - :K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN	SCALE: 30	SHEET NO. 1 OF 21 SHEETS	STA. 82+00 TO STA. 177+67	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -						2771	21-00181-00-RS	COOK	34	5
	PLOT SCALE 30.000/ in	CHECKED - J. HUFF	REVISED -						CONTRACT NO. XXXXX				
	PLOT DATE - X-XX-XX	DATE - X-X-X	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	34	3

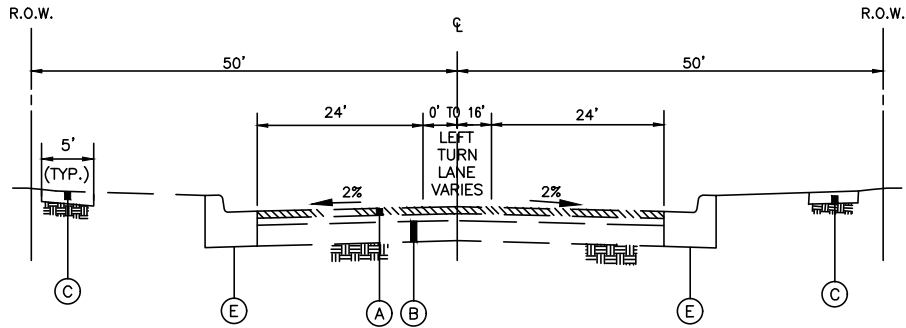
CONTRACT: XXXXX



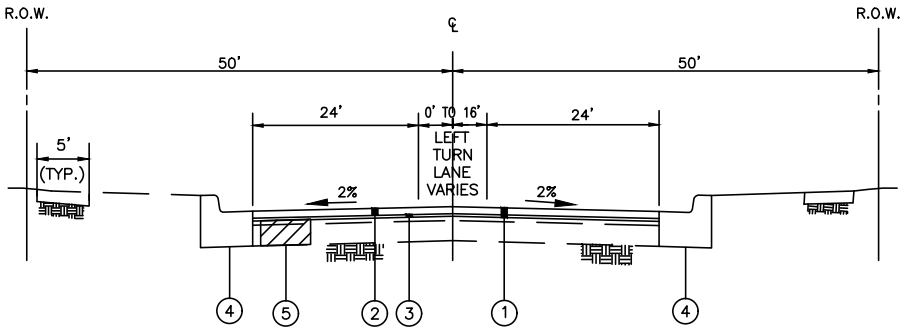
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 116+40 TO 129+00



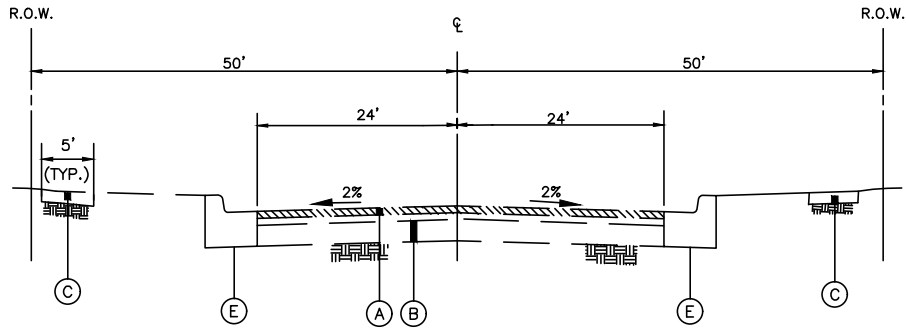
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 116+40 TO 129+00



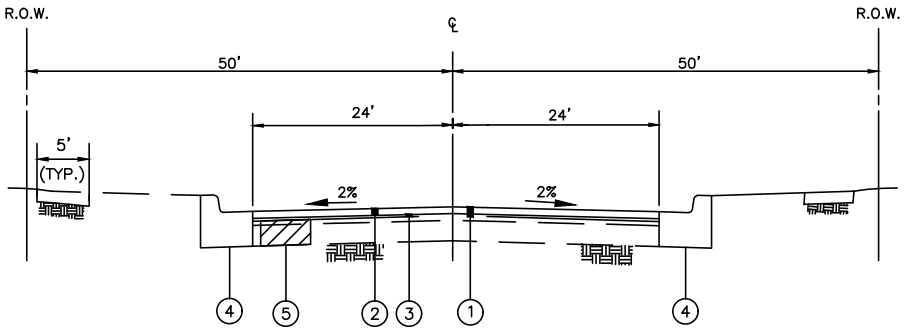
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 129+00 TO 144+90



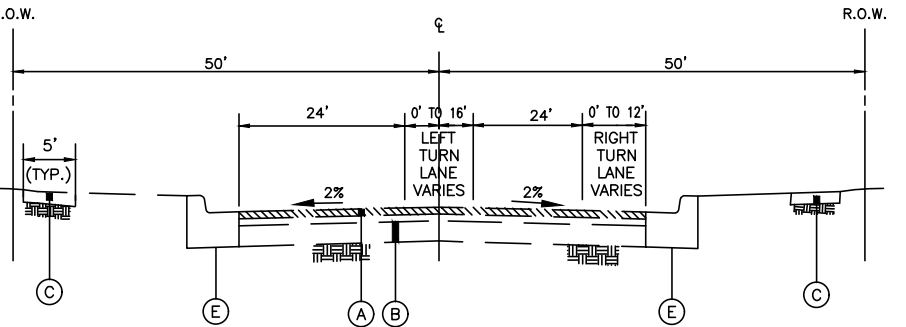
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 119+84 TO 144+90



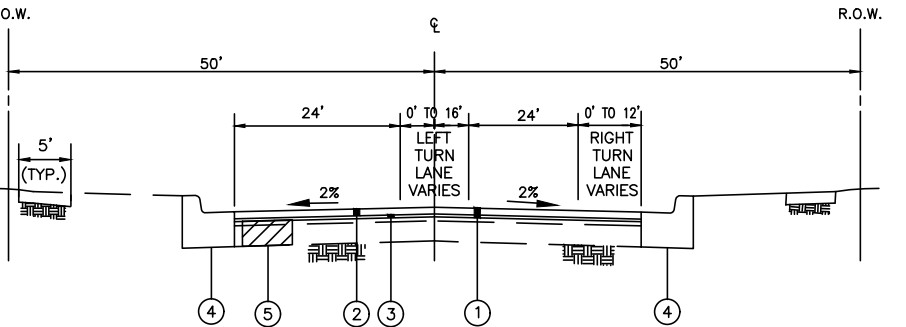
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 144+90 TO 148+00



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 144+90 TO 148+00



EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 148+00 TO 151+00



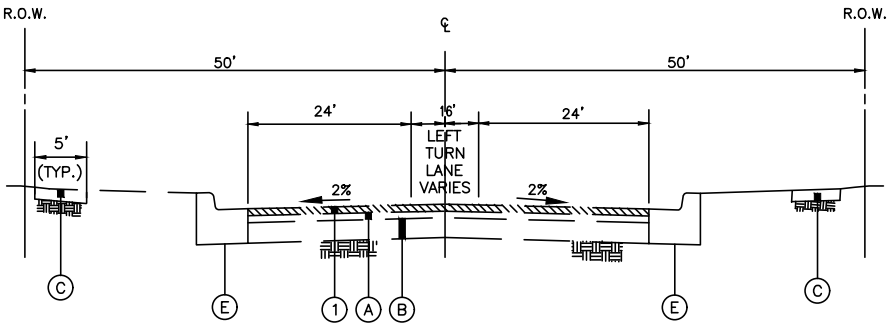
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 148+00 TO 151+00

- (A) EXISTING BITUMINOUS SURFACE COURSE
(B) EXISTING P.C.C. BASE COURSE
(C) EXISTING P.C.C. SIDEWALK
(D) COMB. CONC. CURB & GUTTER, TYPE B-6.12
(E) COMB. CONC. CURB & GUTTER, TYPE B-6.24
(F) CONCRETE MEDIAN
(1) HMA SURFACE REMOVAL, 3"
(2) HMA SURFACE COURSE, IL-9.5, MIX "D", N70, (2")
(3) POLYMERIZED HMA BINDER COURSE. IL-4.75, N50 (1")
(4) COMB. CONC. CURB & GUTTER REMOVAL AND REPLACEMENT (SPECIAL), AS DIRECTED BY THE ENGINEER
(5) CLASS D PATCHES, 9", AS SHOWN ON PLANS AND DIRECTED BY THE ENGINEER

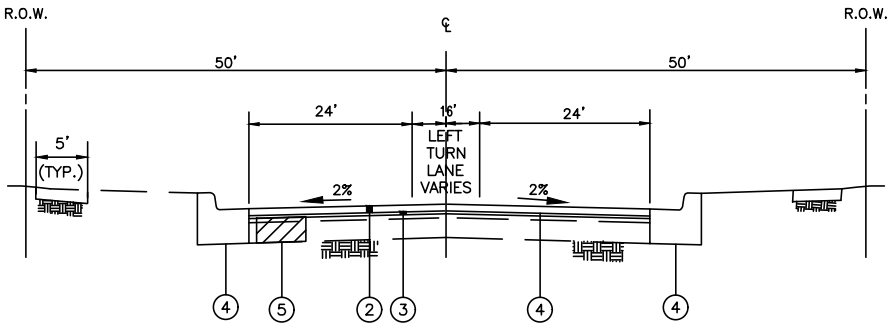
FILE NAME - :K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE 30.000/ in	DRAWN - J. HUFF	REVISED -					2771	21-00181-00-R5	COOK	34	6
	PLOT DATE - X-XX-XX	CHECKED - J. HUFF	REVISED -		CONTRACT NO. XXXXX							
		DATE - X-X-X	REVISED -		SCALE: 30	SHEET NO. 1 OF 21 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	34	3

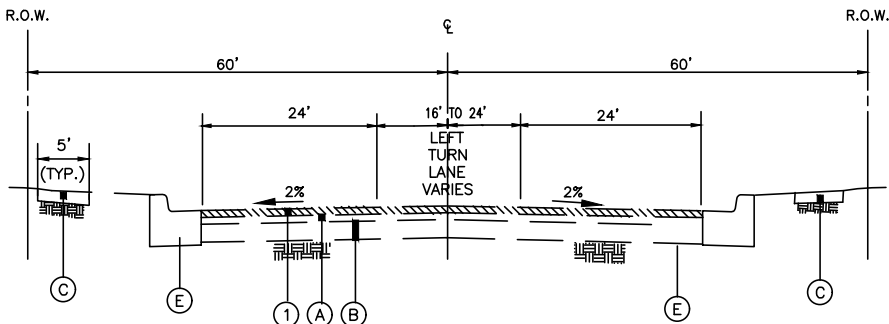
CONTRACT: XXXXX



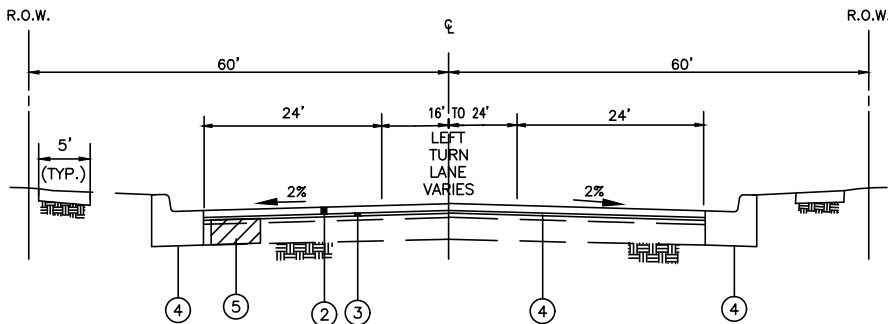
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 151+00 TO 164+00



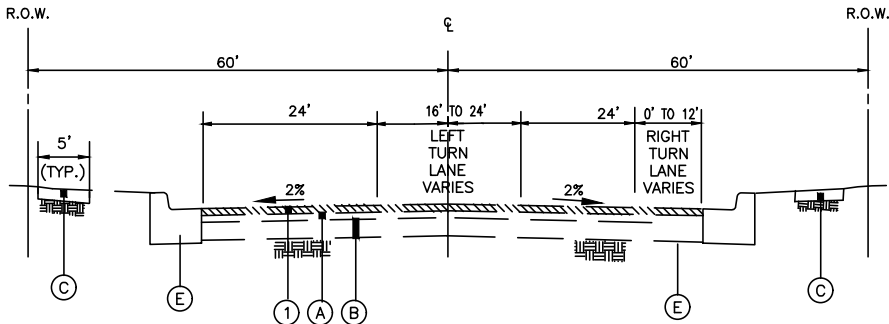
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 151+00 TO 164+00



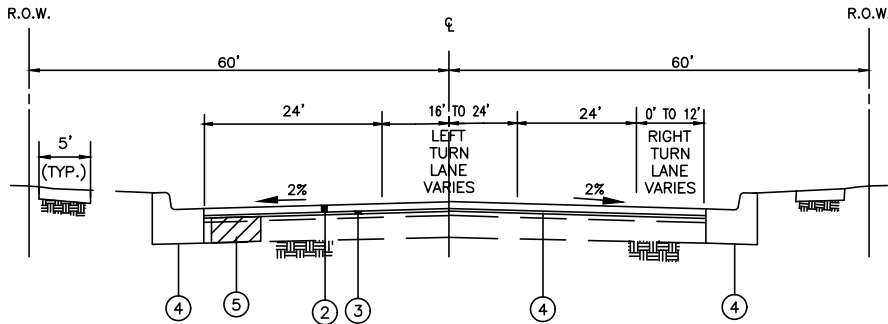
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 164+00 TO 169+90



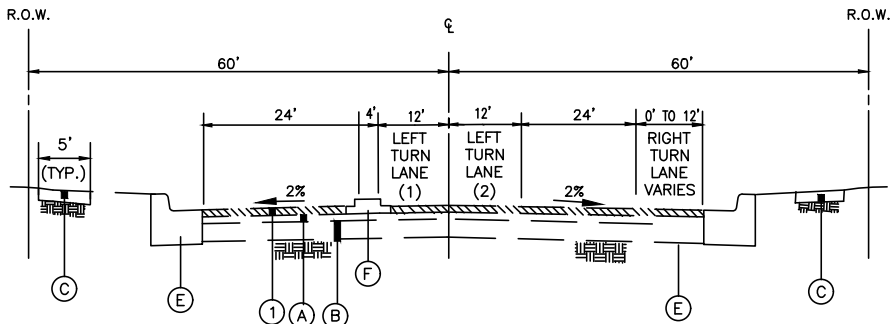
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 164+00 TO 169+90



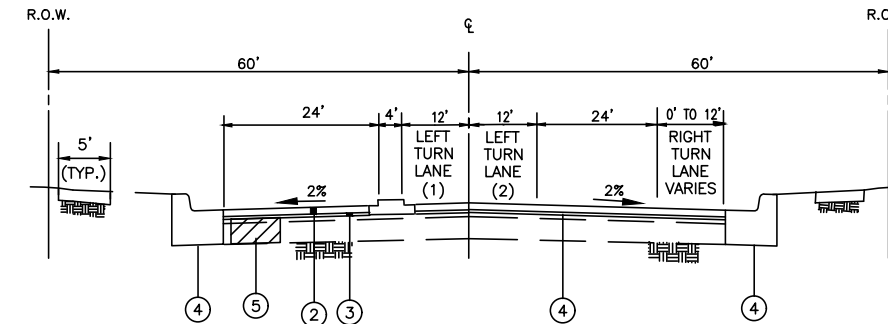
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 169+90 TO 171+50



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 169+90 TO 171+50



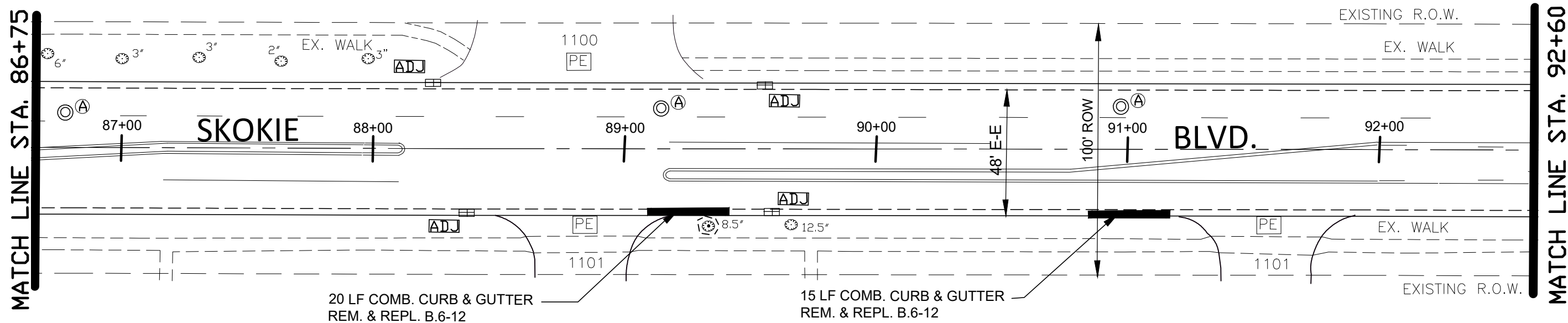
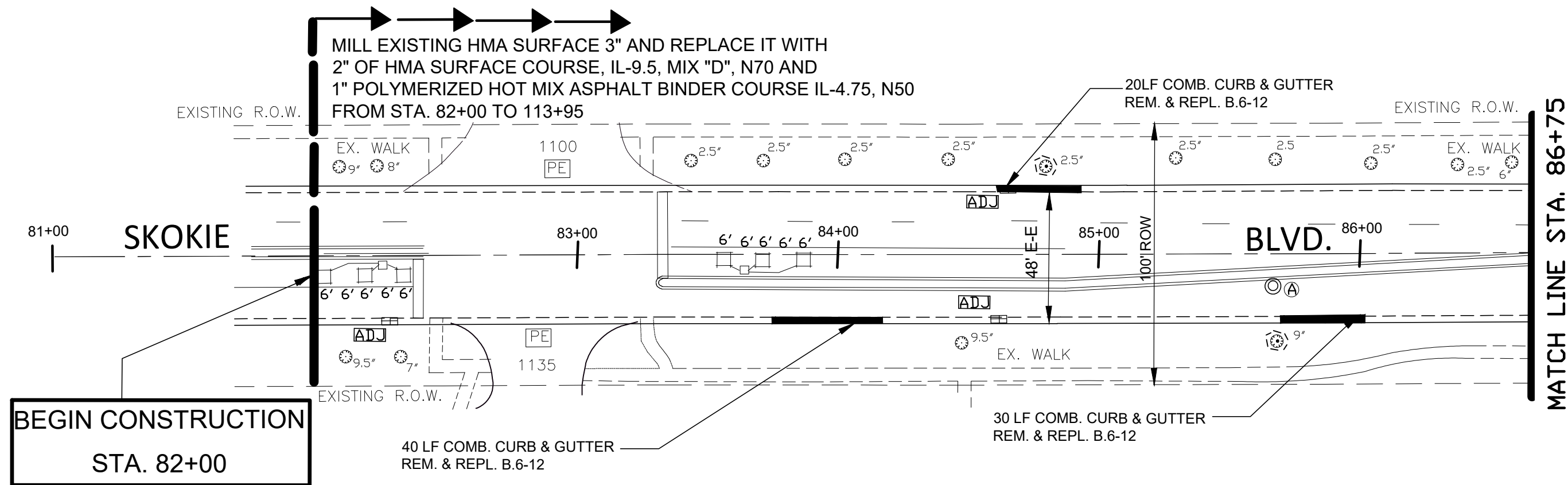
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD
STA. 171+50 TO 177+67



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD
STA. 171+50 TO 177+67

- (A) EXISTING BITUMINOUS SURFACE COURSE
(B) EXISTING P.C.C. BASE COURSE
(C) EXISTING P.C.C. SIDEWALK
(D) COMB. CONC. CURB & GUTTER, TYPE B-6.12
(E) COMB. CONC. CURB & GUTTER, TYPE B-6.24
(F) CONCRETE MEDIAN
(1) HMA SURFACE REMOVAL, 3"
(2) HMA SURFACE COURSE, IL-9.5, MIX "D", N70, (2")
(3) POLYMERIZED HMA BINDER COURSE. IL-4.75, N50 (1")
(4) COMB. CONC. CURB & GUTTER REMOVAL AND REPLACEMENT (SPECIAL), AS DIRECTED BY THE ENGINEER
(5) CLASS D PATCHES, 9", AS SHOWN ON PLANS AND DIRECTED BY THE ENGINEER

FILE NAME - :K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - J. HUFF	REVISED -					2771	21-00181-00-RS	COOK	34	7	
	PLOT SCALE 30.000/ in	CHECKED - J. HUFF	REVISED -		SCALE: 30			SHEET NO. 1 OF 21 SHEETS			STA. 82+00 TO STA. 177+67		
	PLOT DATE - X-XX-XX	DATE - X-X-X	REVISED -										
				FED. ROAD DIST. NO. 1 ILLINOIS									
				FED. AID PROJECT									

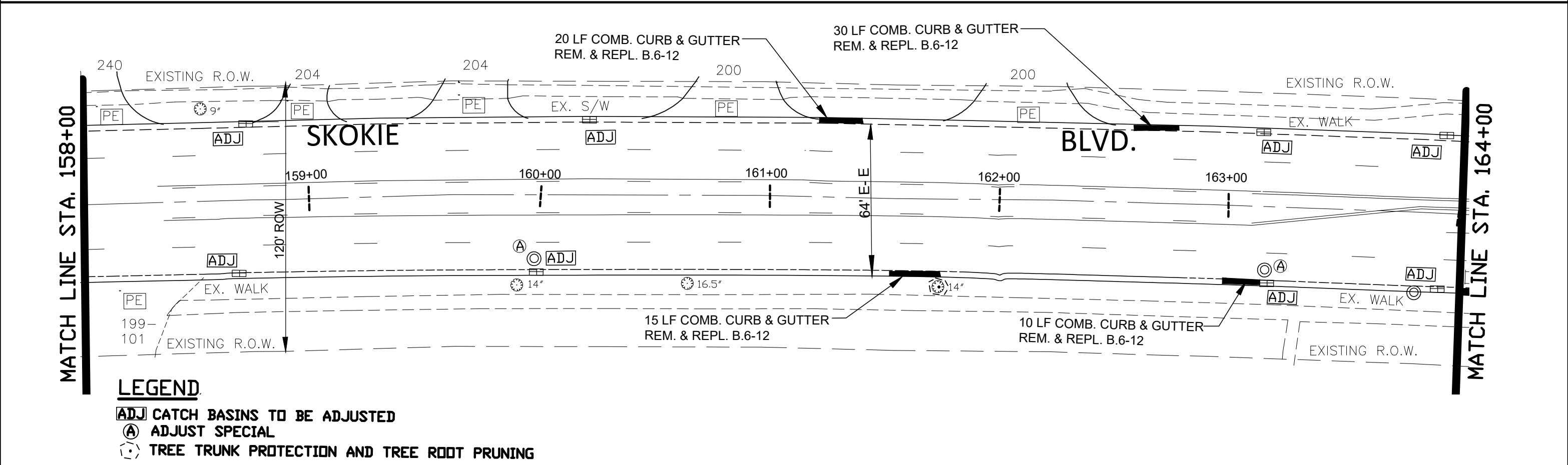


LEGEND

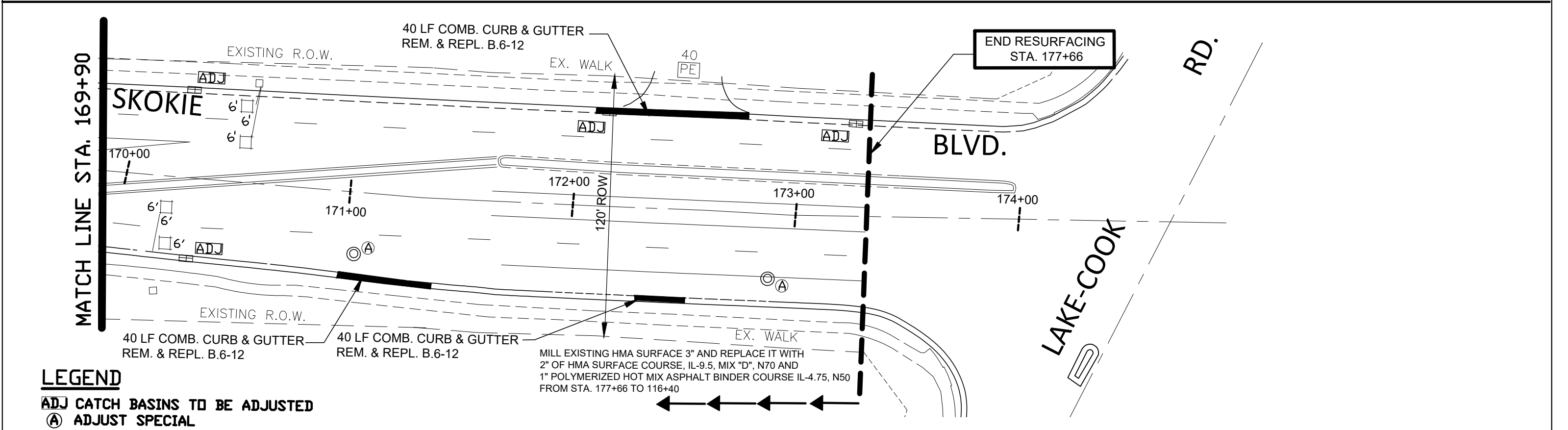
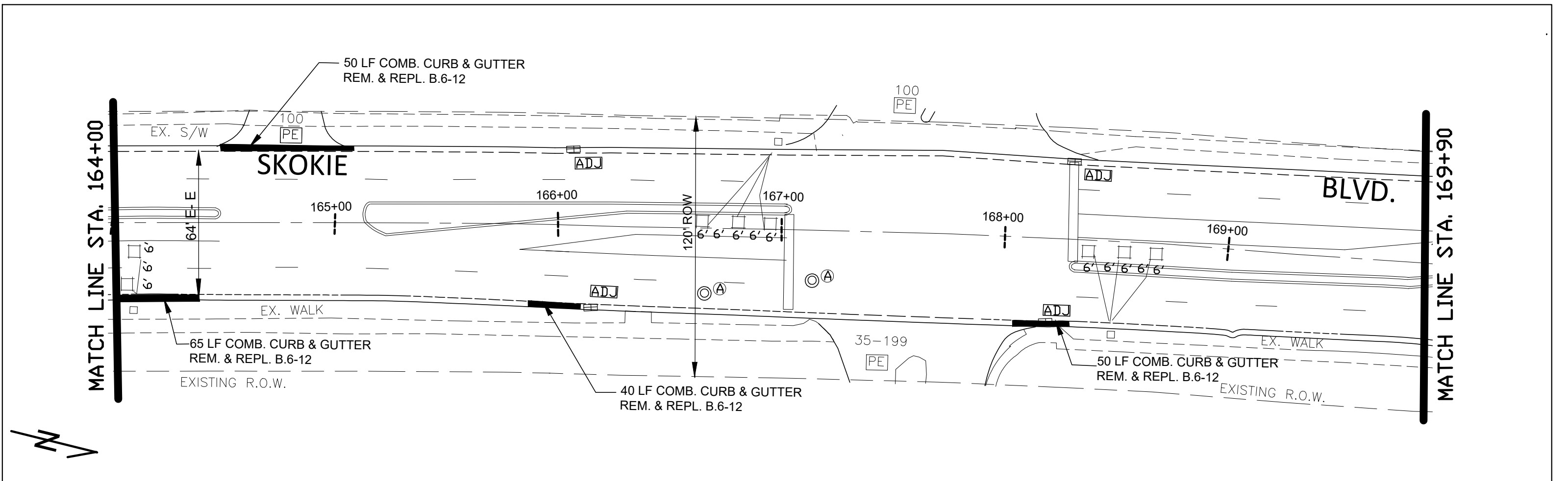
- ADJ CATCH BASINS TO BE ADJUSTED
- A ADJUST SPECIAL
- ⊙ TREE TRUNK PROTECTION
- ⊙ TREE ROOT PRUNING



FILE NAME – K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -					2771	21-00181-00-R5	COOK	36	8
	PLOT SCALE 30.000/in	CHECKED - M. WELLER	REVISED -		CONTRACT NO. XXXX							
	PLOT DATE - 11-05-25	DATE - 11-9-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT			



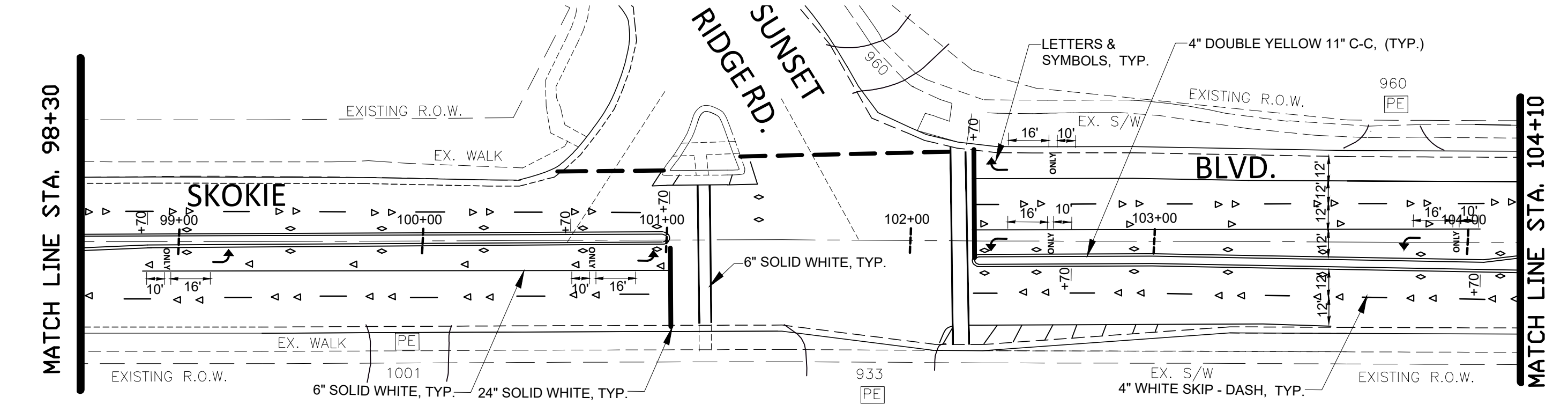
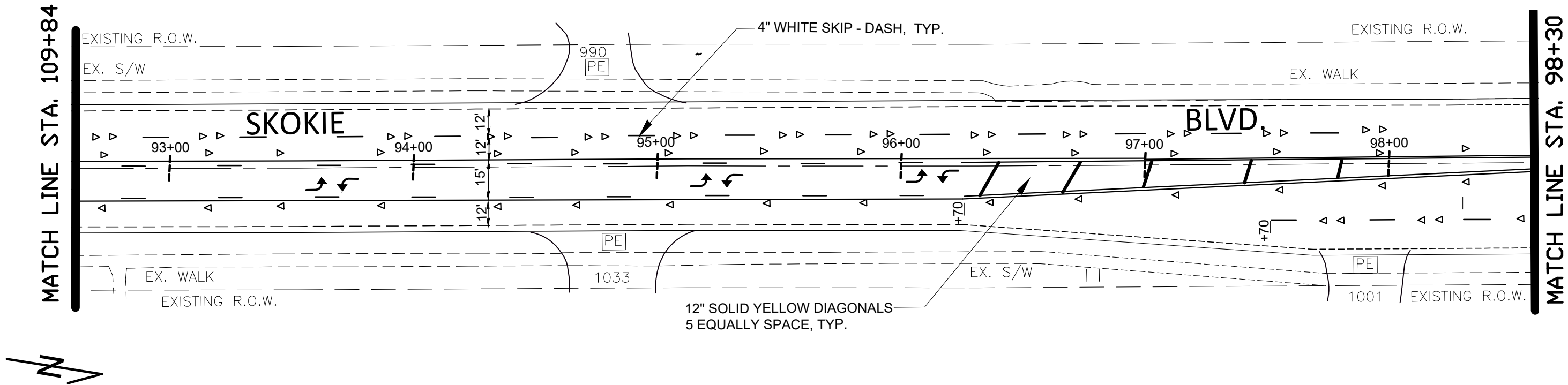
FILE NAME – K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -					2771	21-00181-00-RS	COOK	36	14
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. XXXXX				
	PLOT DATE - 11-09-25	DATE - 09-10-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 34 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT			



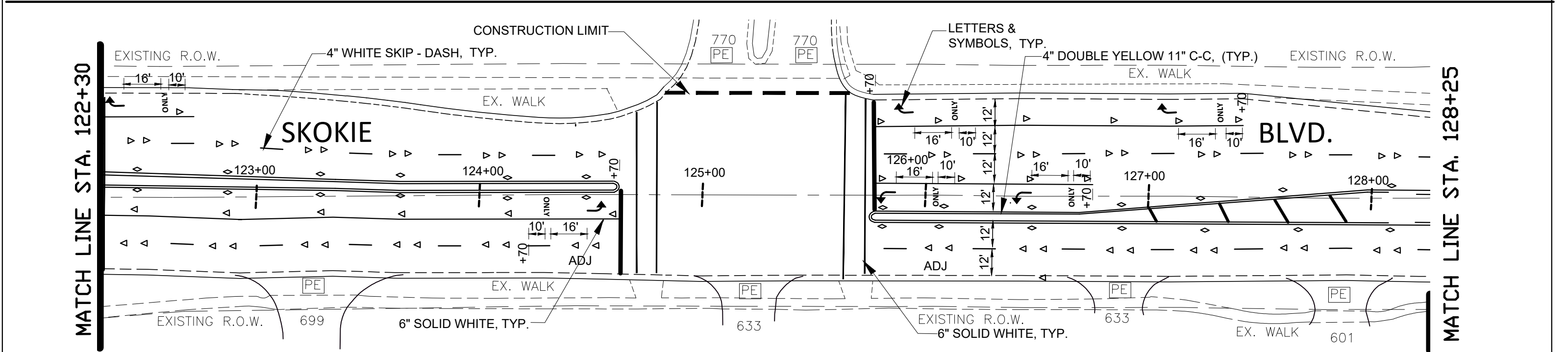
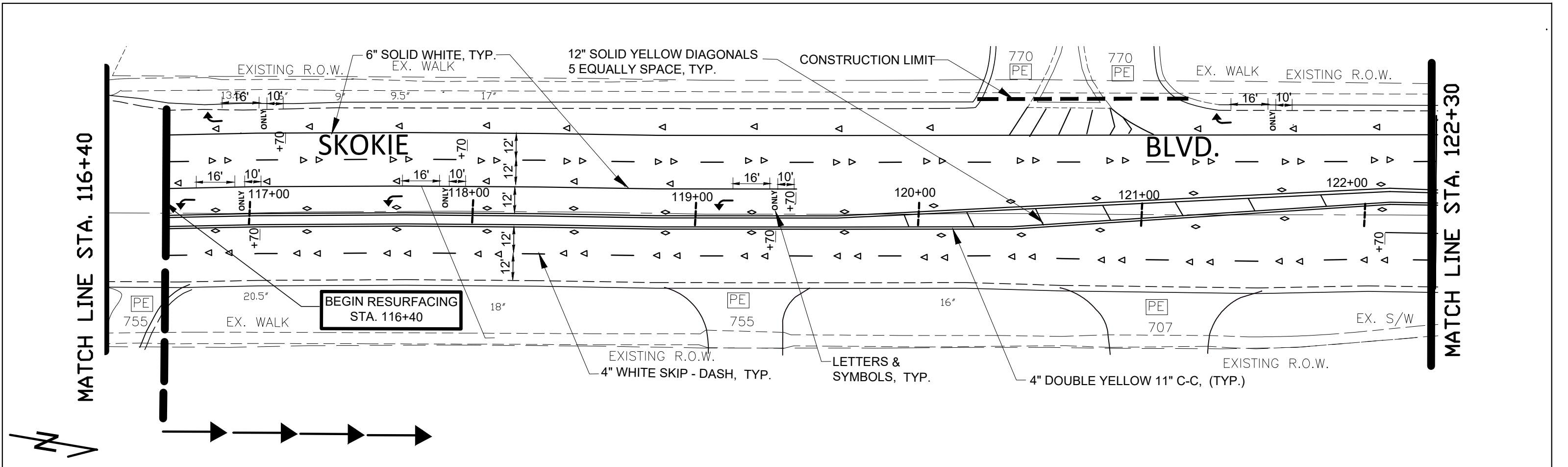
LEGEND

- ADJ CATCH BASINS TO BE ADJUSTED
- Ⓐ ADJUST SPECIAL

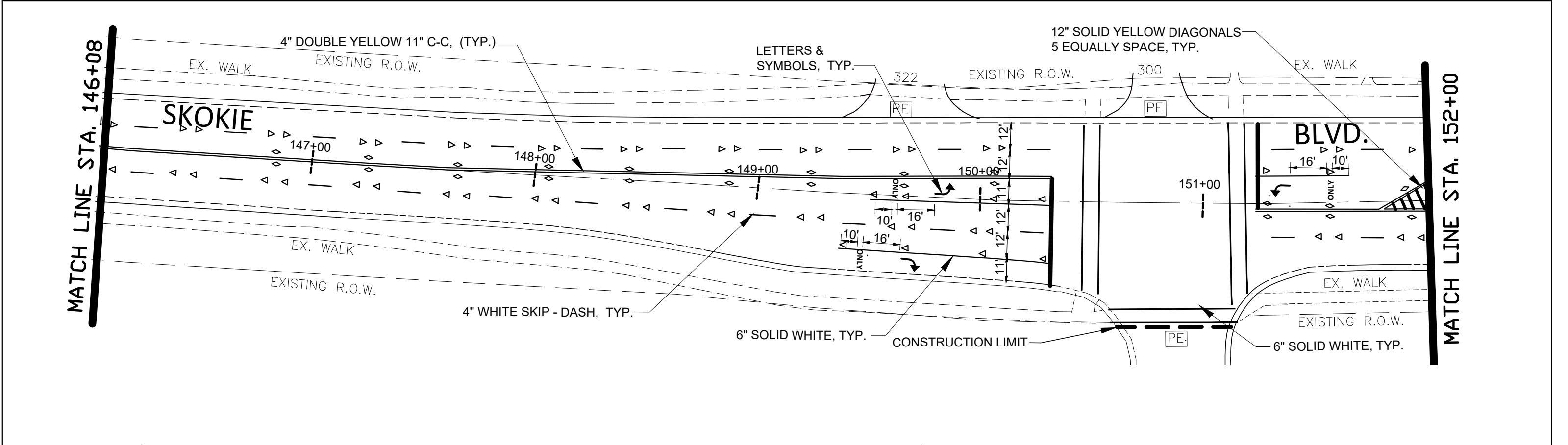
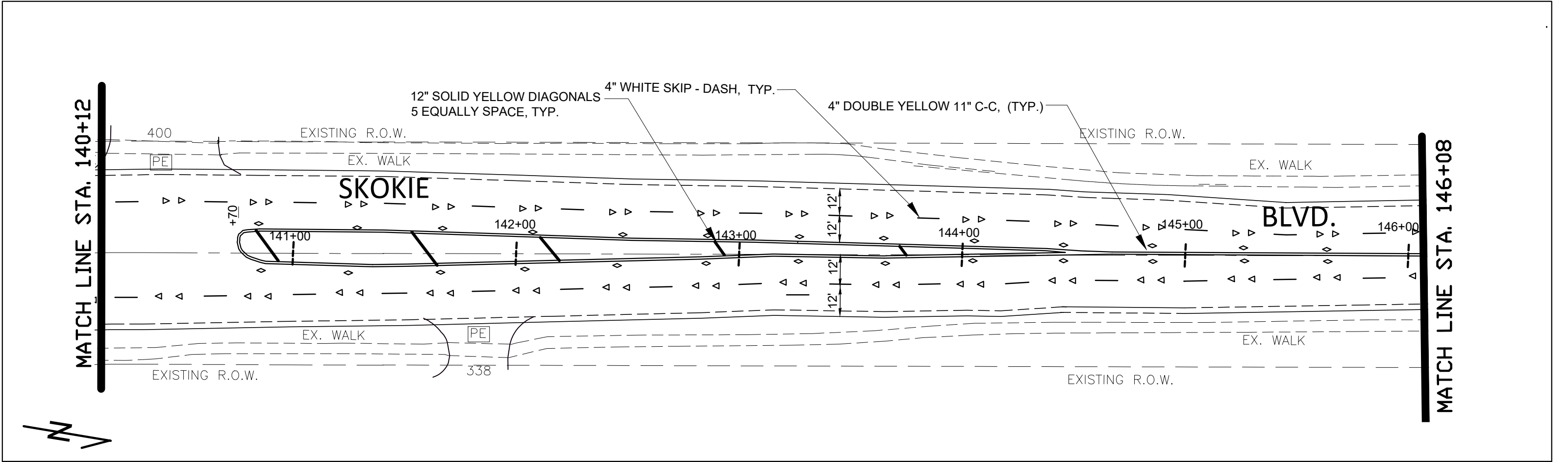
FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -					2771	21-00181-00-RS	COOK	36	15
	PLOT SCALE 30.000/in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. XXXXX				
	PLOT DATE - 11-10-25	DATE - 11-9-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT			



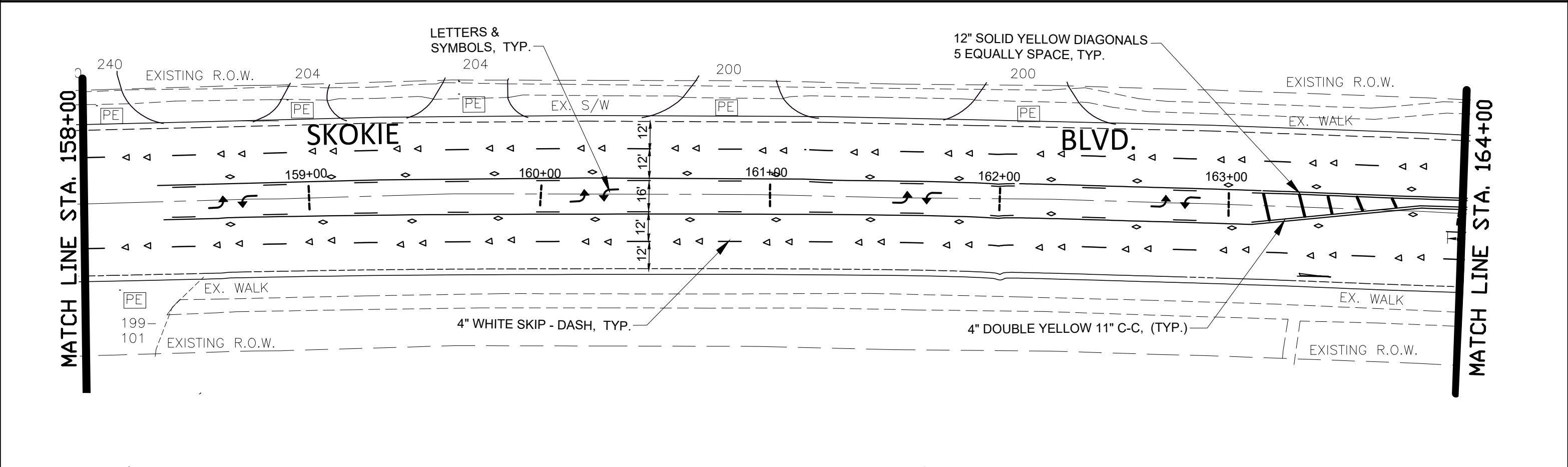
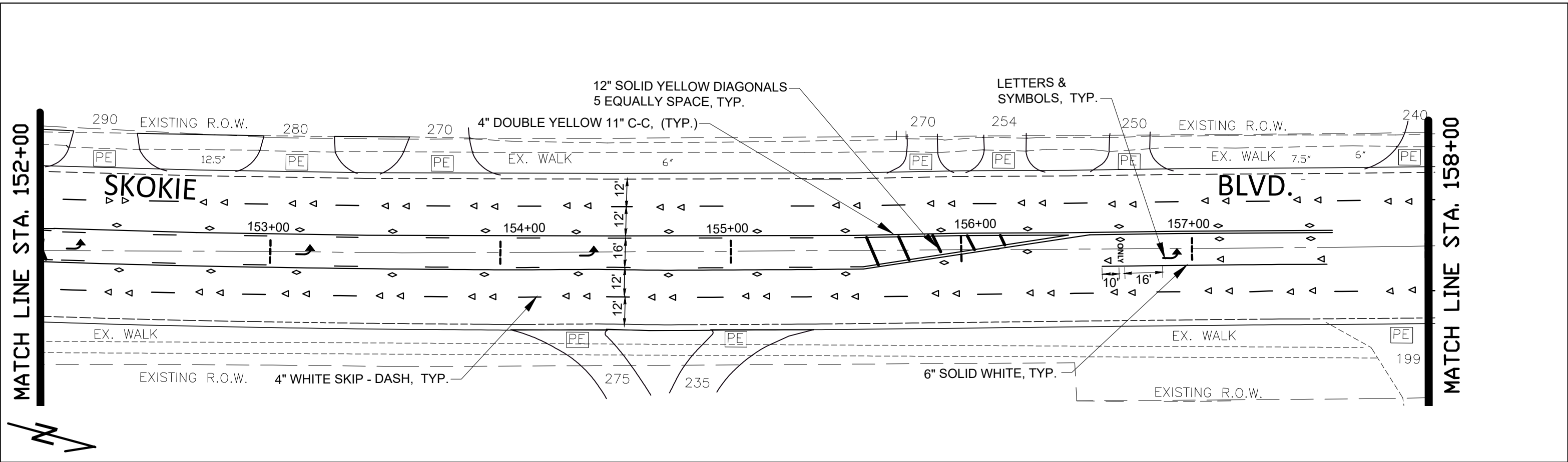
FILE NAME - K/huff/mft/skokie			REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			REVISED -					2771	21-00181-00-RS	COOK	36	17
	PLOT SCALE 30.000/ in	DRAWN - J. HUFF	REVISED -		SCALE: 30			CONTRACT NO. XXXXX				
	PLOT DATE - 09-08-25	CHECKED - M. WELLER	REVISED -		SHEET NO. 1 OF 36 SHEETS			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
		DATE - 09-09-25	REVISED -		STA. 82+00 TO STA. 177+67							



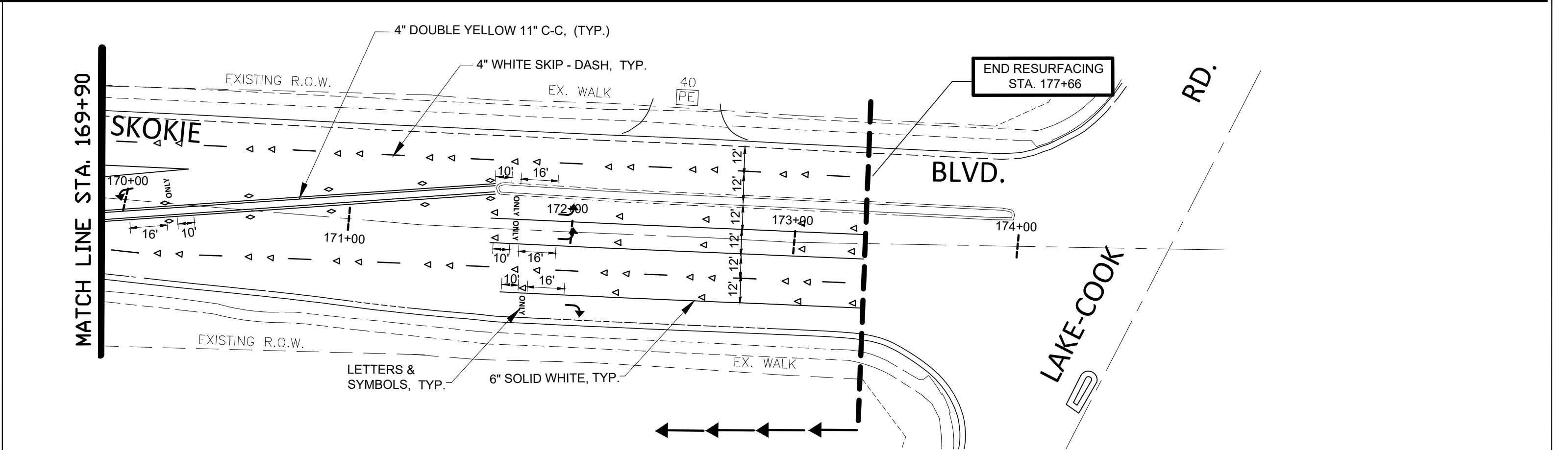
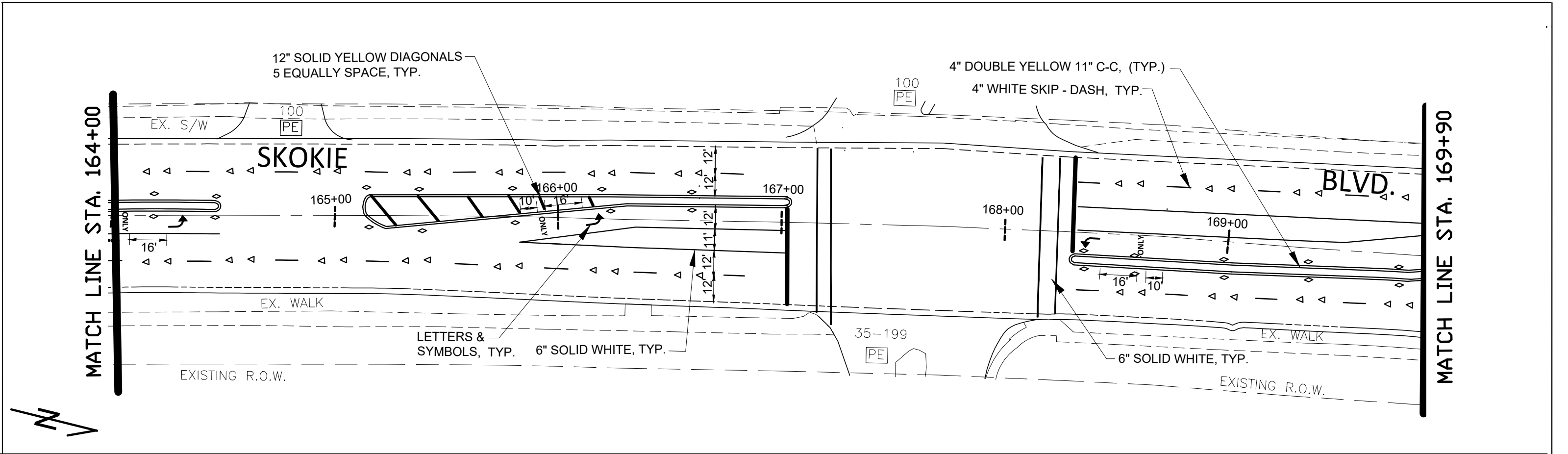
FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -					2771	21-00181-RS	COOK	36	19
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -		CONTRACT NO. XXXXX							
	PLOT DATE - 11-03-25	DATE - 11-9-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -					2771	21-00181-00-RS	COOK	36	21
	PLOT SCALE 30.000/in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. XXXXX				
	PLOT DATE - 11-09-25	DATE - 11-09-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -					2771	21-00181-00-RS	COOK	36	22
	PLOT SCALE 30.000/in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. XXXXX				
	PLOT DATE - 11-07-25	DATE - 11-10-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

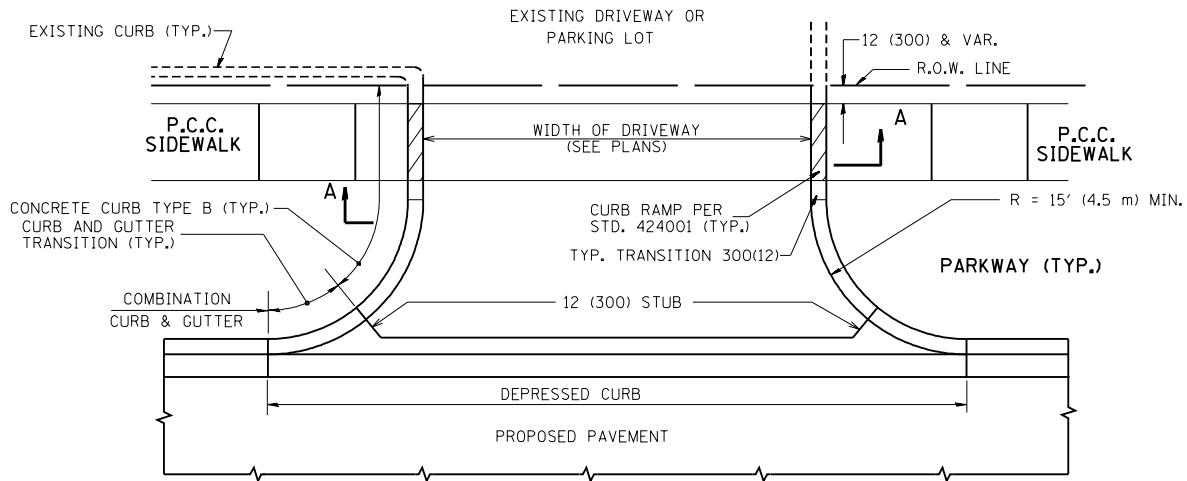


FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 23
	PLOT SCALE 30.000/ in	DRAWN - J. HUFF	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+67	CONTRACT NO. XXXXX				
	PLOT DATE - 3-25-21	CHECKED - J. KOZA	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS				
		DATE - 3-25-21	REVISED -					FED. AID PROJECT				

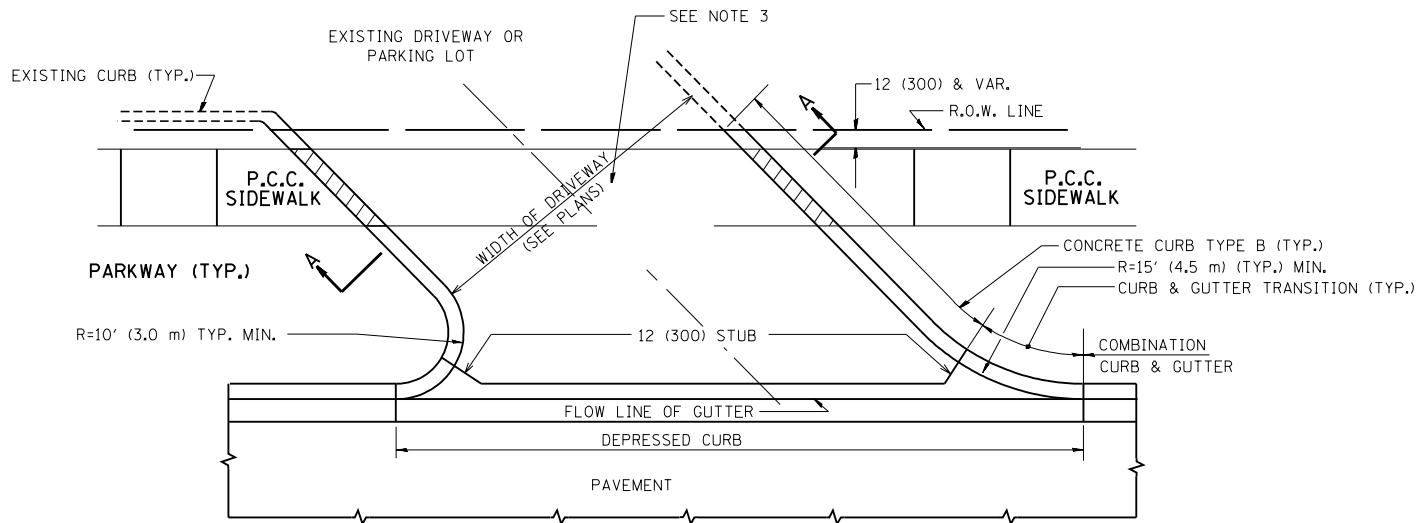
DETECTOR LOOP REPLACEMENT SCHEDULE OF QUANTITIES							
STATION	SIDE	# OF LOOPS	EST. LENGTH	STATION	SIDE	# OF LOOPS	EST. LENGTH
82+00	CL.	1	80'	105+60	LT.	2	80'
82+10	CL.	1	80'	109+90	RT.	2	80'
82+20	CL.	1	140'	120+00	RT.	2	80'
83+50	CL.	1	45'	121+50	LT.	2	80'
83+60	CL.	1	40'	124+30	CL.	1	35'
83+70	CL.	1	35'	124+40	CL.	1	45'
98+75	RT.	2	80'	124+40	CL.	1	40'
100+80	CL.	1	45'	125+90	CL.	1	45'
100+90	CL.	1	40'	126+00	CL.	1	40'
110+00	CL.	1	35'	126+10	CL.	1	35'
102+30	RT.	2	80'	128+10	LT.	2	80'
102+30	CL.	1	40'	133+52	RT.	2	80'
102+40	RT.	2	80'	135+94	CL.	1	40'
102+40	CL.	1	45	136+09	CL.	1	35
102+50	RT.	2	80'	TOTAL ESTIMATED. LENGTH 1775 FT.			
102+50	CL.	1	45				

DETECTOR LOOP REPLACEMENT SCHEDULE OF QUANTITIES							
STATION	SIDE	# OF LOOPS	EST. LENGTH	STATION	SIDE	# OF LOOPS	EST. LENGTH
136+60	RT.	6	300'	166+80	CL.	1	40'
137+10	CL.,	1	40'	168+30	CL.	1	45'
137+25	CL.	1	40'	168+40	CL.	1	45'
137+40	CL.	1	45'	168+50	CL.	1	45'
139+60	LT.	2	35'	168+30	CL.	1	35'
147+50	RT.	2	80'	179+30	CL.	1	45'
150+00	CL.	1	40'	170+40	LT.	1	45'
150+10	CL.	1	45'	TOTAL ESTIMATED. LENGTH 1,375 FT.			
150+20	CL.	1	35'				
151+40	CL.	1	35'				
151+50	CL.	1	40'				
151+60	CL.	1	45'				
153+40	LT.	2	80'				
164+10	RT.	2	80'				
166+60	CL.	1	35'				
166+70	CL.	1	40'				

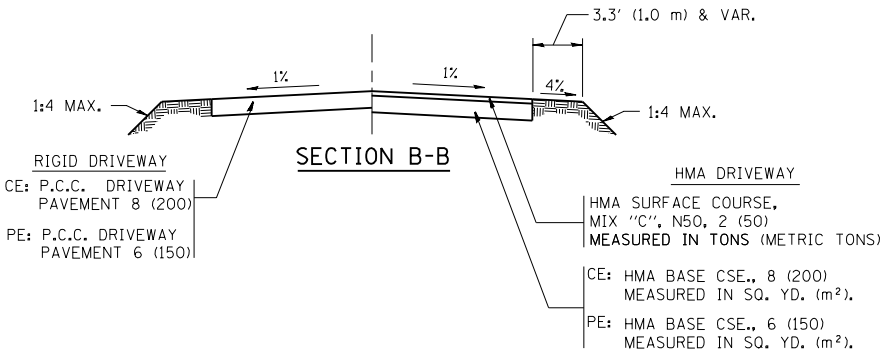
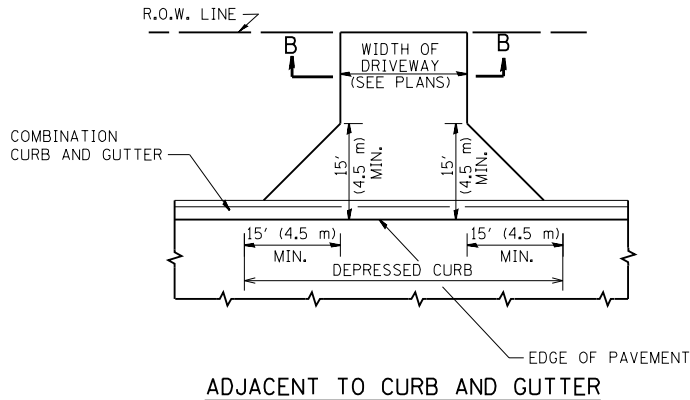
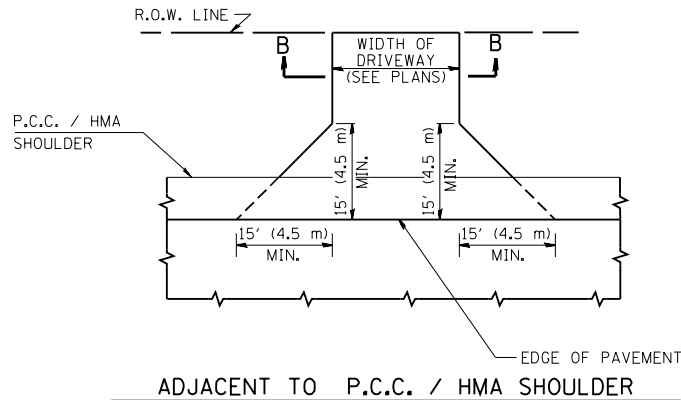
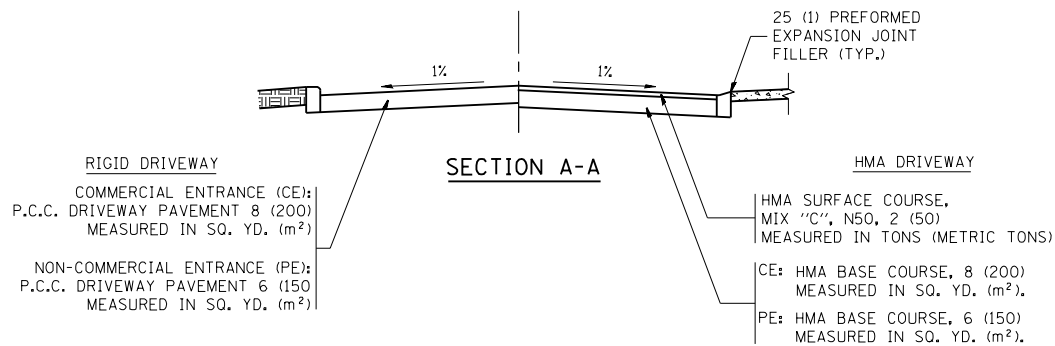
FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION	SKOKIE BOULEVARD RESURFACING DETECTOR LOOP REPLACEMENT SCHEDULE OF QUANTITIES			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J. HUFF	REVISED -					2771	21-00181-00-RS	COOK	36	24
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. XXXXX				
	PLOT DATE - 11-23-25	DATE - 11-10-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 177+67	FED. ROAD DIST. NO.1	ILLINOIS	FED. AID PROJECT		



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

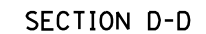
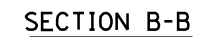
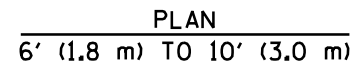
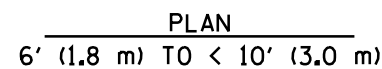
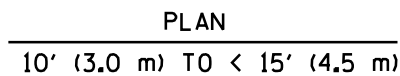
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME = K:\diststd22x34\bd01.dgn	USER NAME = leysa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
		DRAWN -	REVISED - P. LOFLUER 04-15-03
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 6/11/2008	DATE - 11-04-95	REVISED - R. BORO 06-11-08

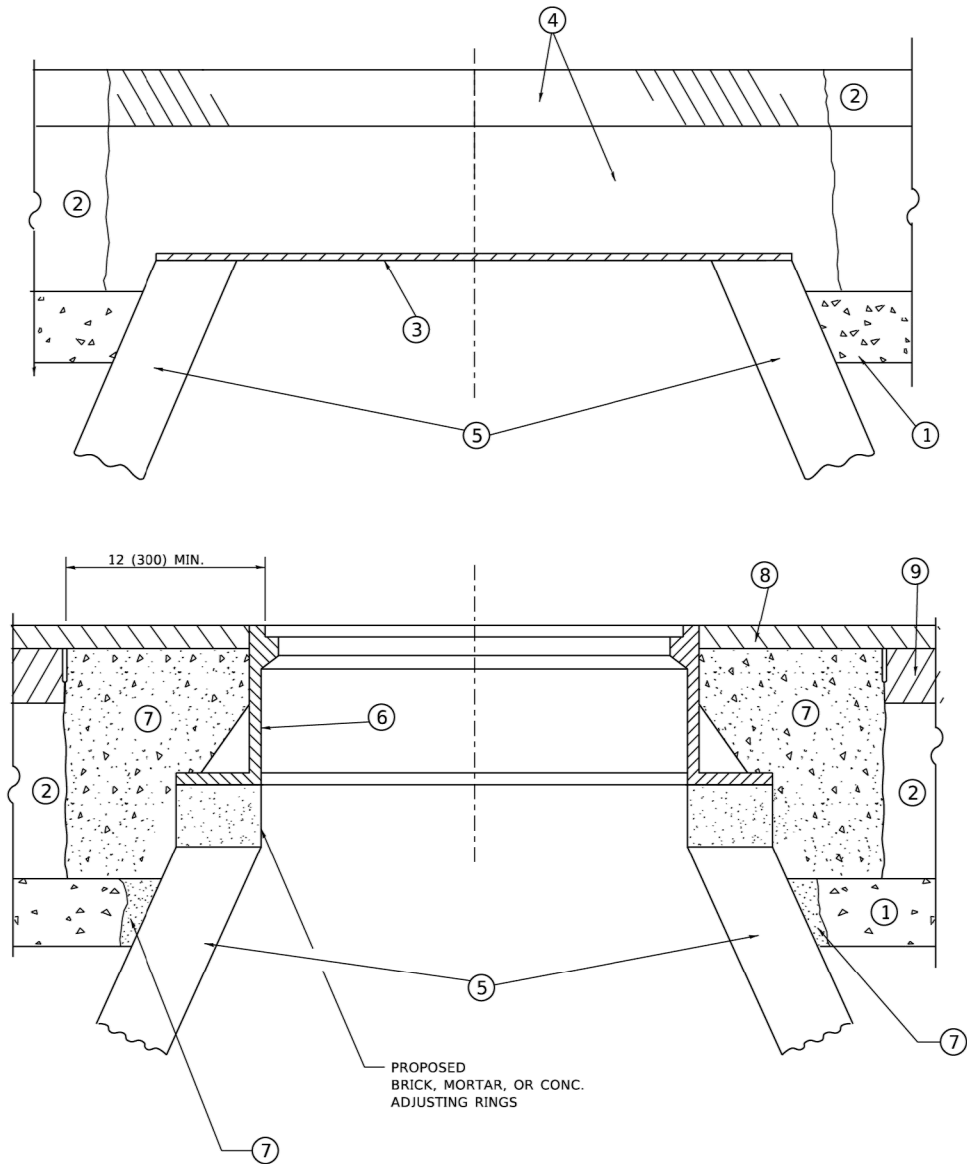
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	36	25
BD0156-07 (BD-01)		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	36	26
BD400-02 (BD-02)		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353. 406. 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

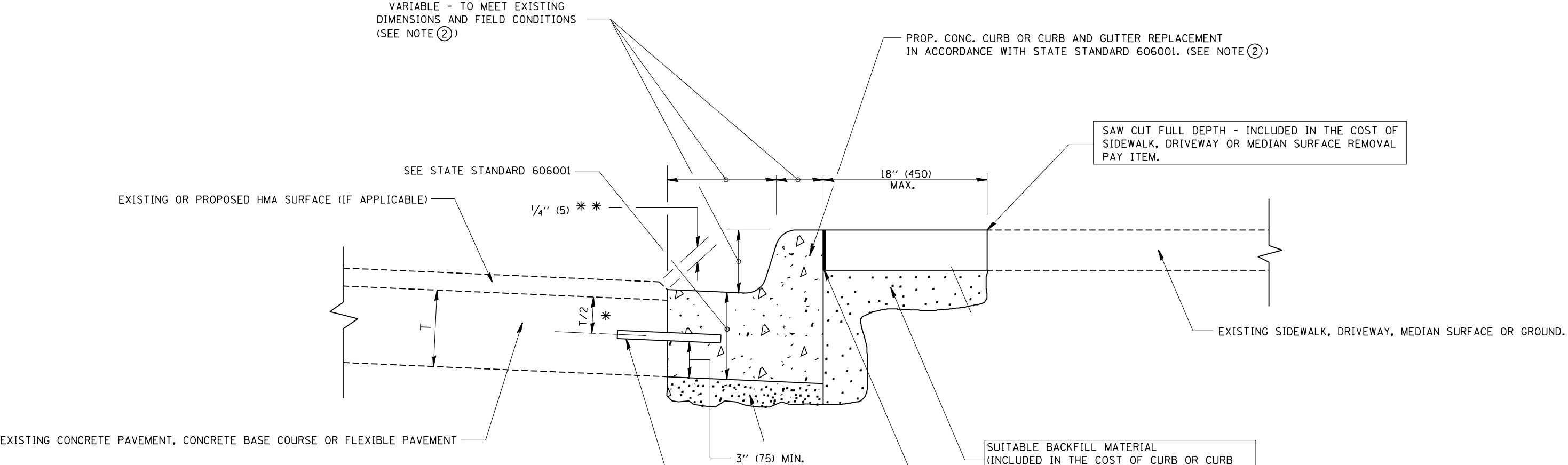
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	36	28
BD600-03 (BD-08)		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

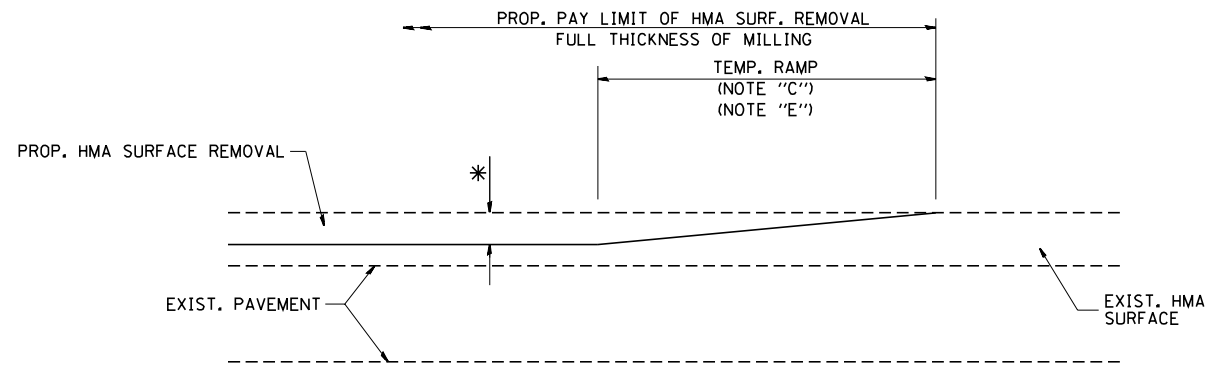
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT,SPL

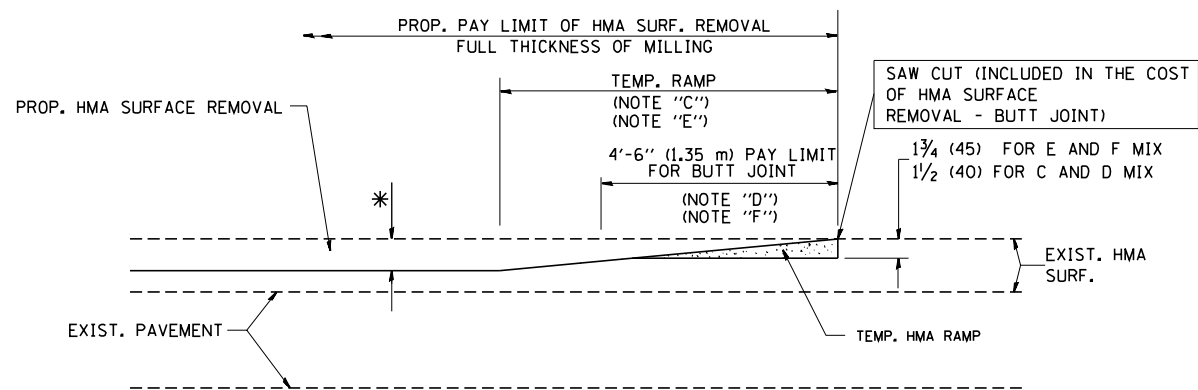
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd24.dgn	USER NAME = gaglianobt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97			2771	21-00181-00-RS	COOK	36	29	
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO.			
	PLOT DATE = 1/4/2008	DATE - 03-11-94	REVISED - R. BORO 01-01-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
					SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	



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

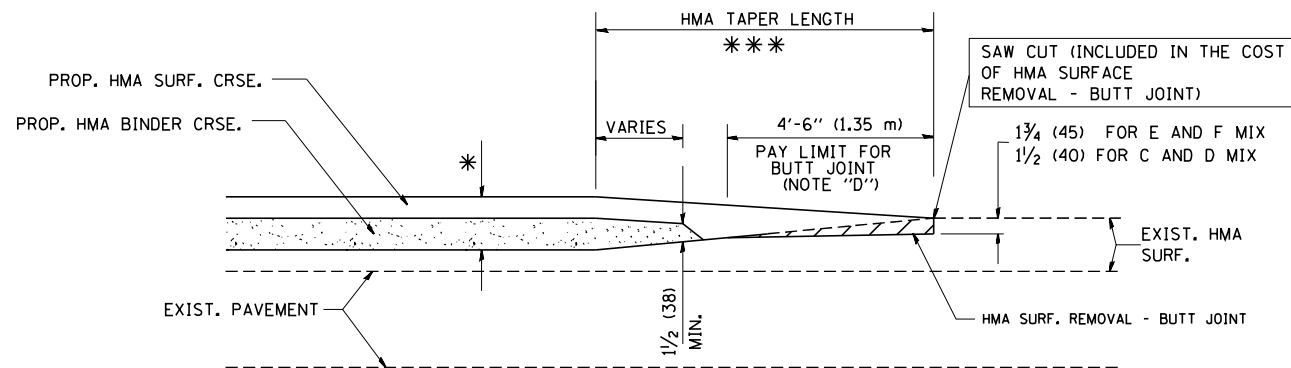
OPTION 1



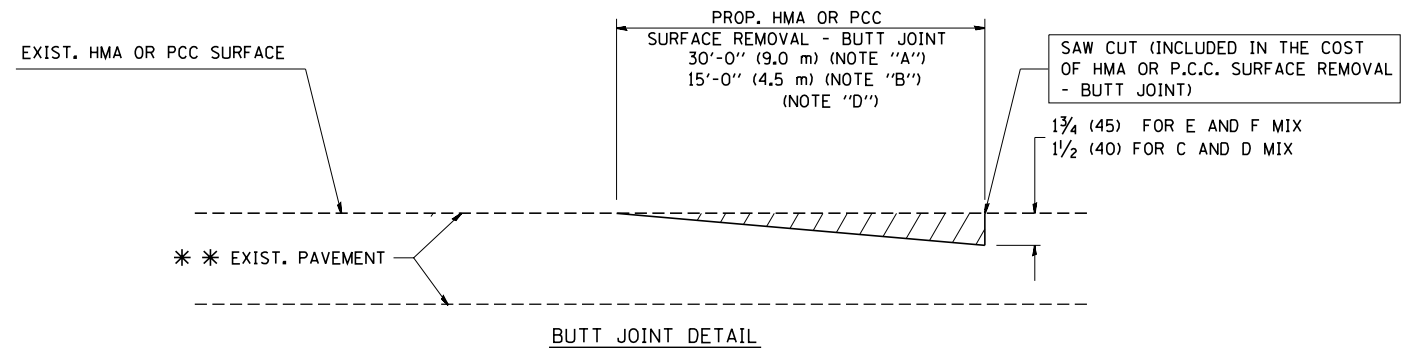
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

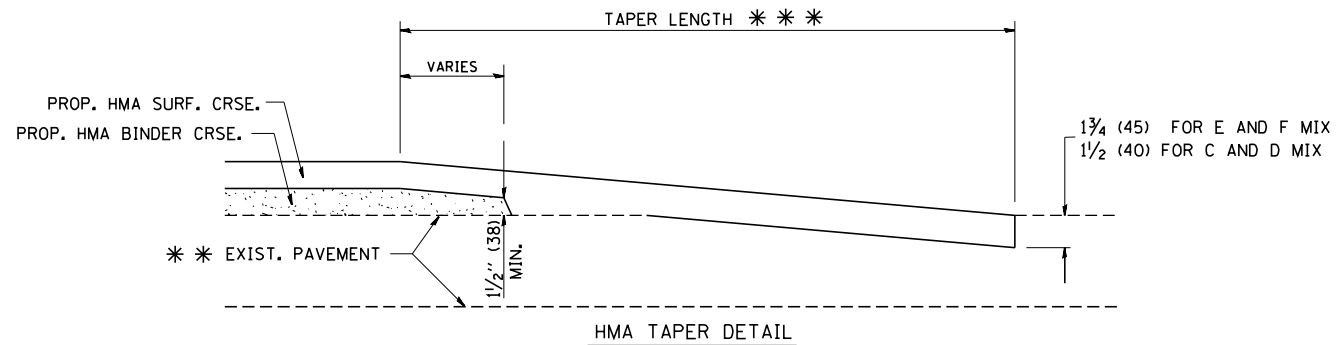
TYPICAL TEMPORARY RAMP



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.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 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:

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".

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

FILE NAME =
W:\diststd\22x34\bd32.dgn

USER NAME = gaglianobt

DESIGNED - M. DE YONG

REVISED - R. SHAH 10-25-94

DRAWN -

REVISED - A. ABBAS 03-21-97

PLOT SCALE = 50.0000" / IN.

CHECKED -

REVISED - M. GOMEZ 04-06-01

PLOT DATE = 1/4/2008

DATE - 06-13-90

REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

STA.

TO STA.

F.A.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

2771

21-00181-00-RS

COOK

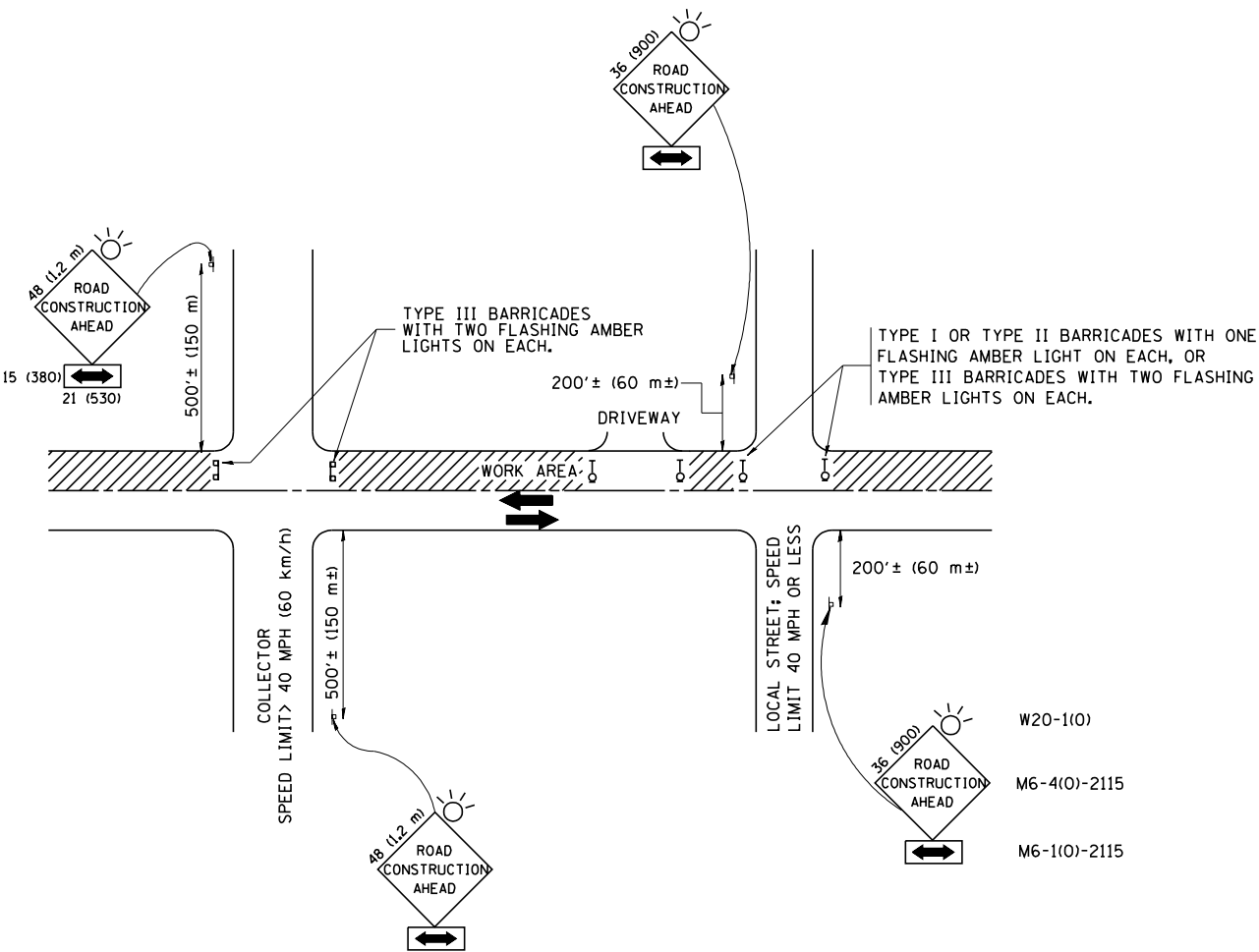
36

30

BD400-05 BD32

CONTRACT NO.

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
1. 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:
- a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) 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.
- b) 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.
3. 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).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

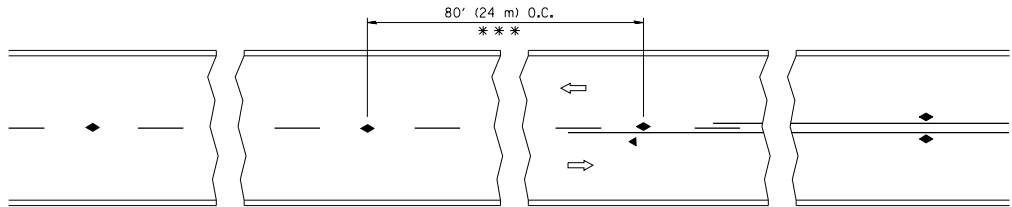
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tcl0.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

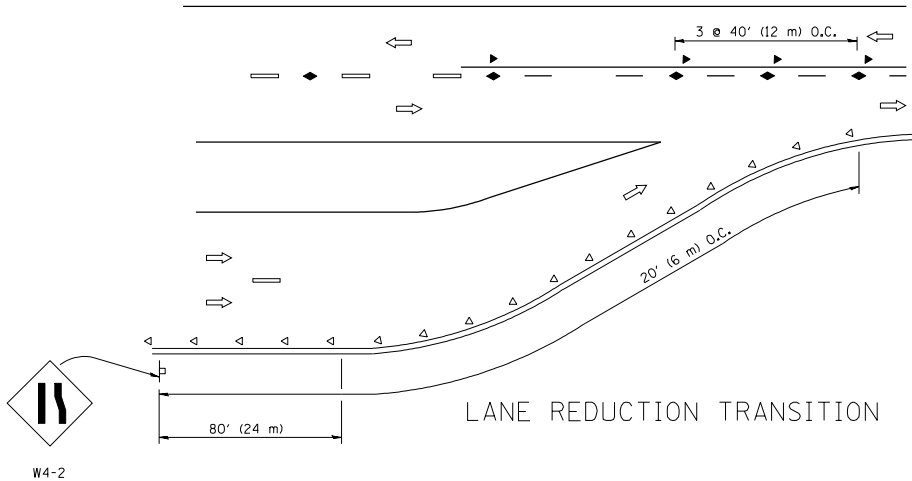
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	36	31
TC-10		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

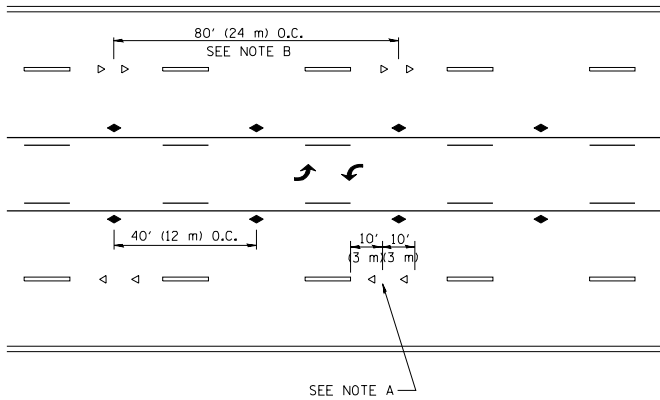


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

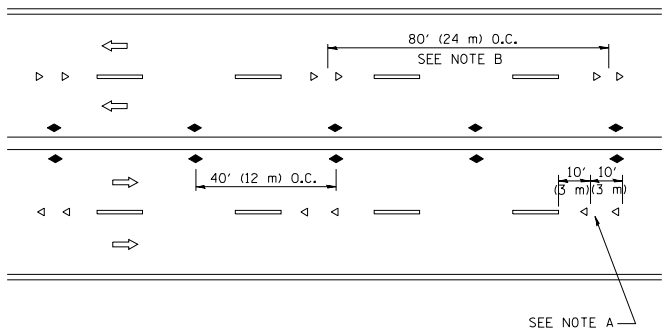


LANE REDUCTION TRANSITION



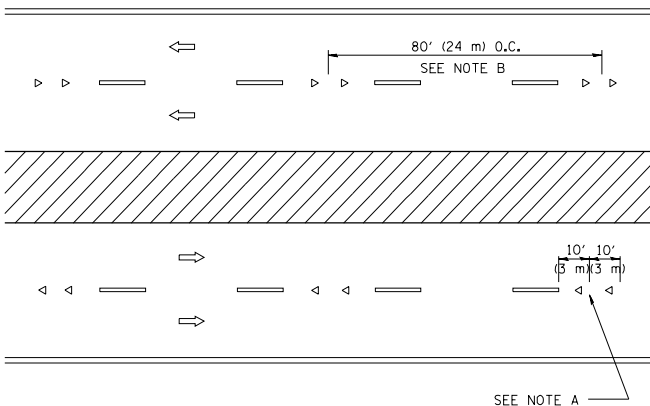
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

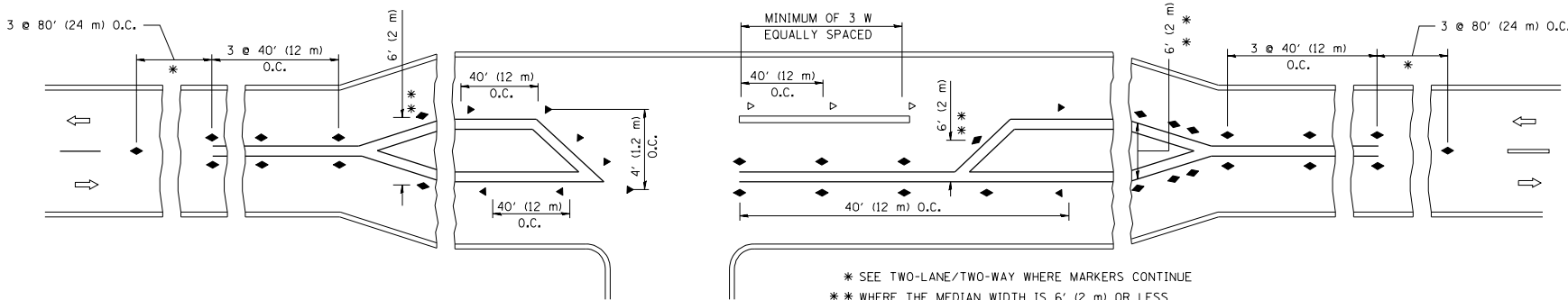
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

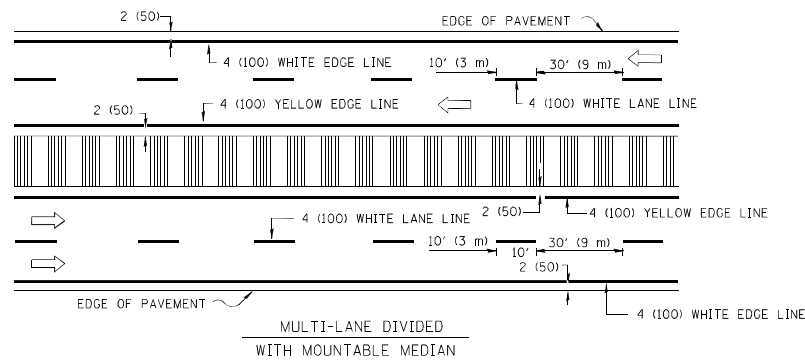
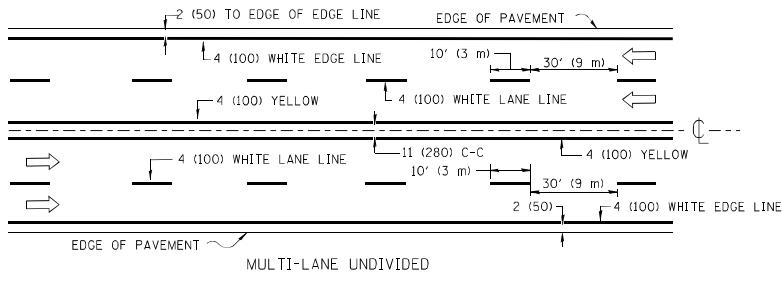
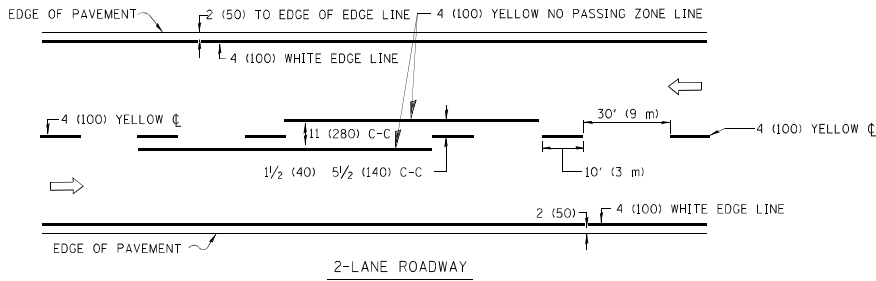
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

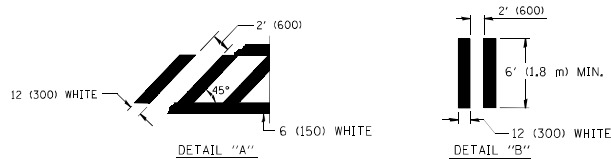
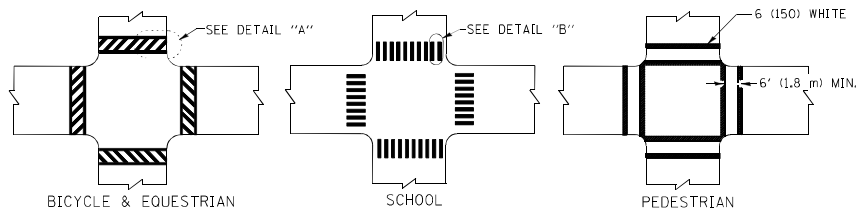
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

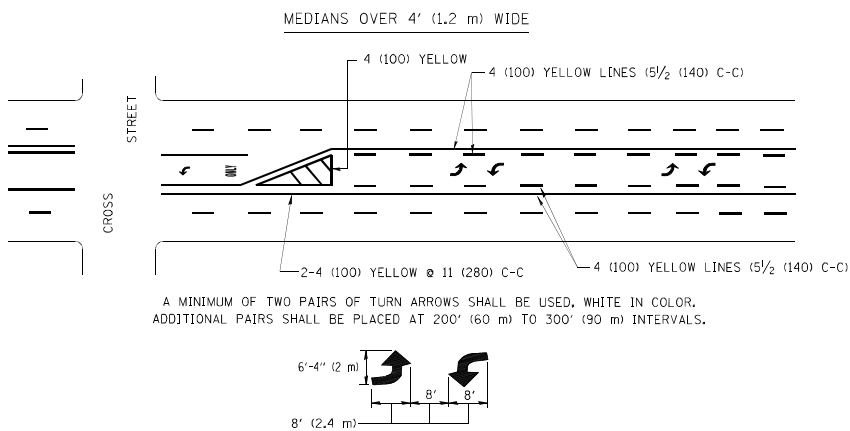
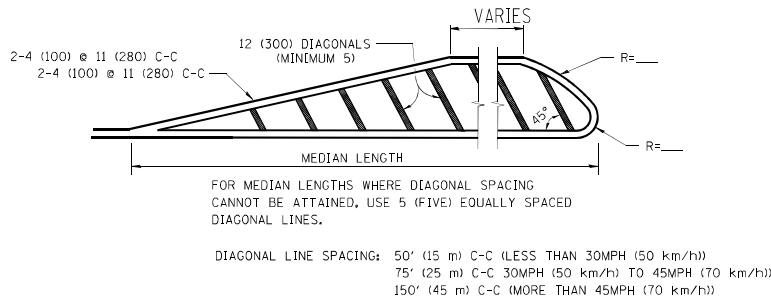
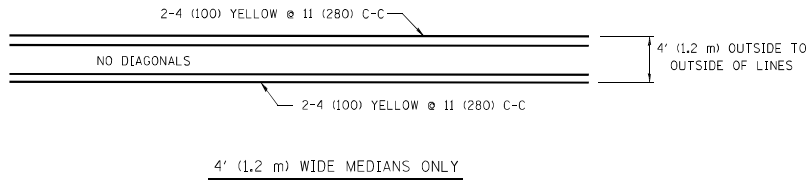


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

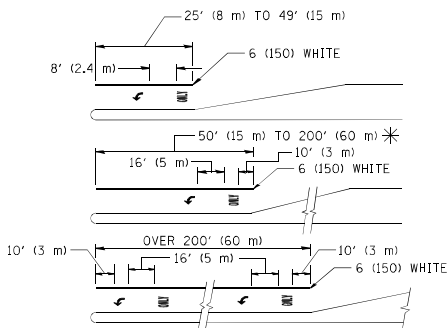
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



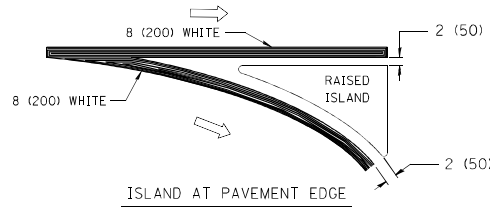
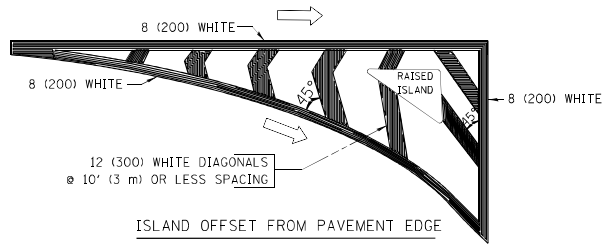
TYPICAL PAINTED MEDIAN MARKING



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 TURN LANE MARKING



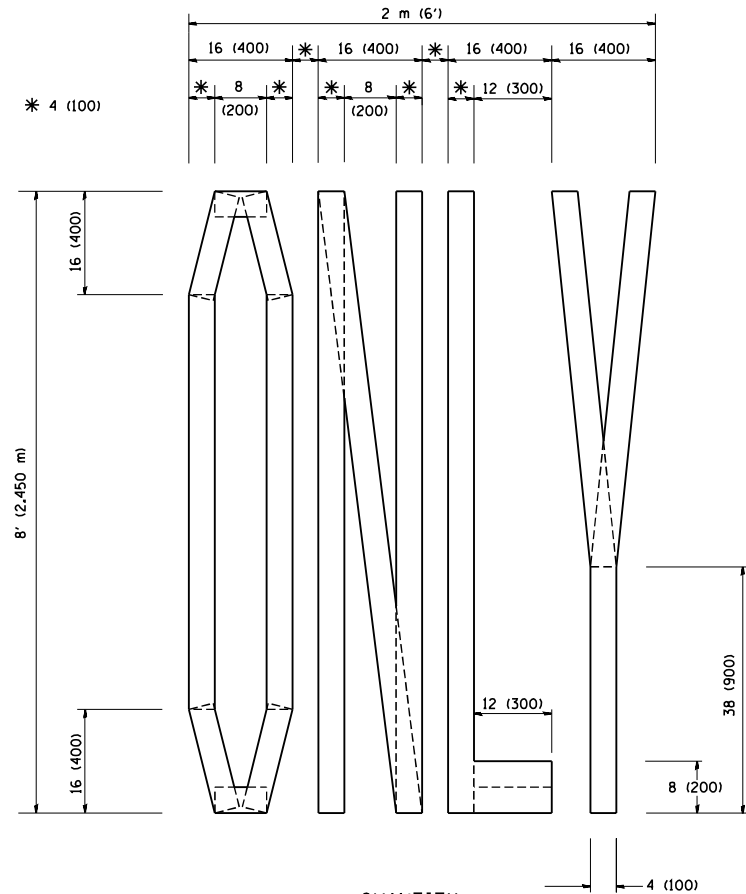
TYPICAL ISLAND MARKING

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	5 1/2 (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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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; 5 1/2 (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. LONGITUDINAL 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" 15 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=53.6 SQ. FT. (5.0 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) EACH
SHOULDER DIAGONALS	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))

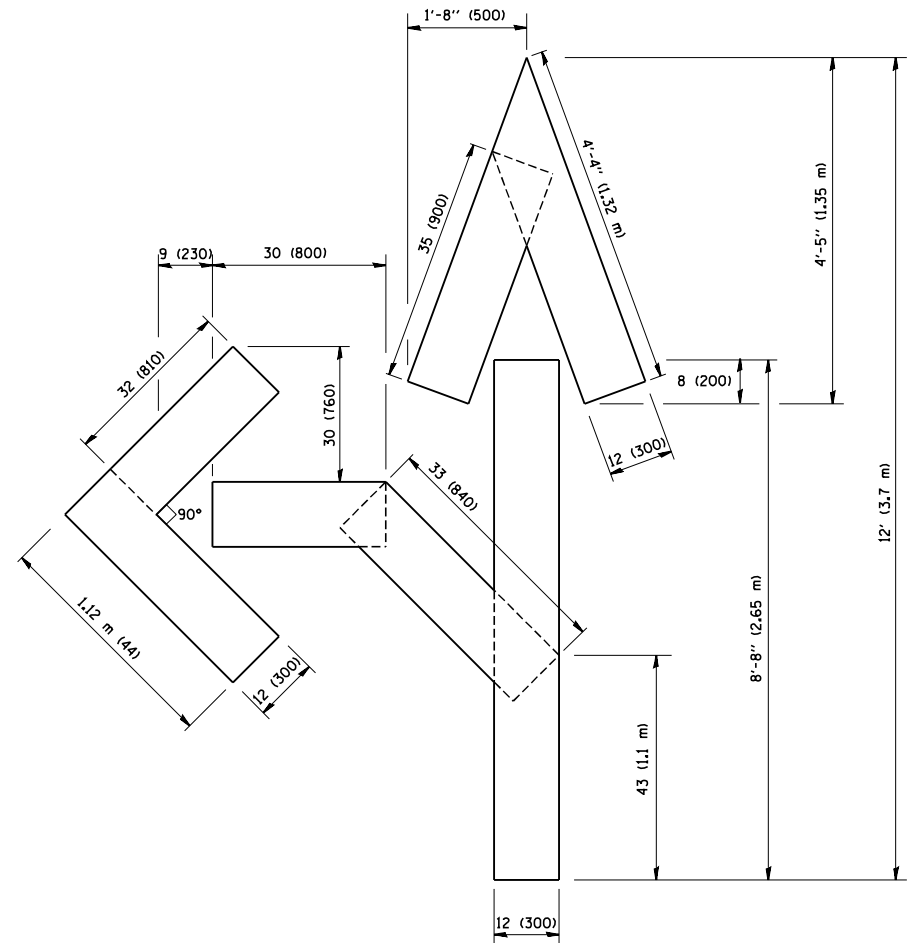
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

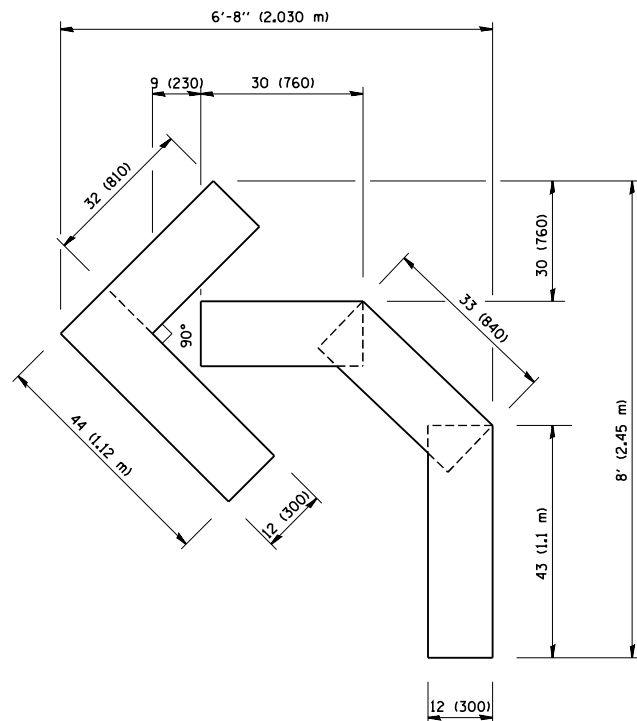
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QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



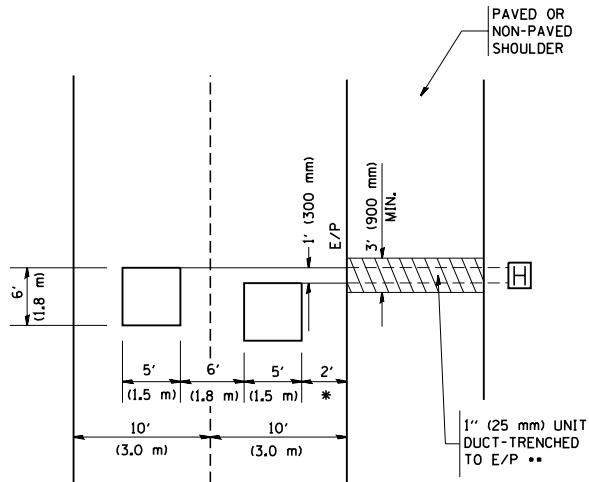
QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\tcl6.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 1/4/2008	CHECKED -	REVISED -T. RAMMACHER 03-02-98		SCALE: NONE			TC-16				
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00		SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT
NOTE WHICH SHOULD EQUAL
3' (900 mm) X WIDTH OF
PAVED SHOULDER.



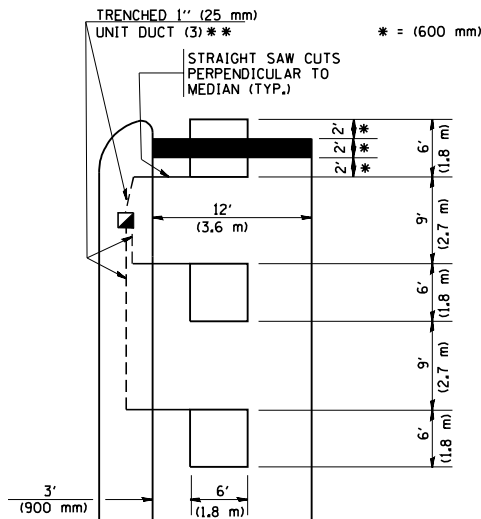
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.

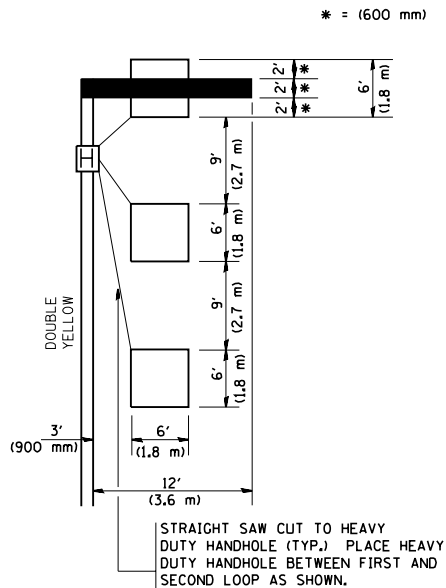


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

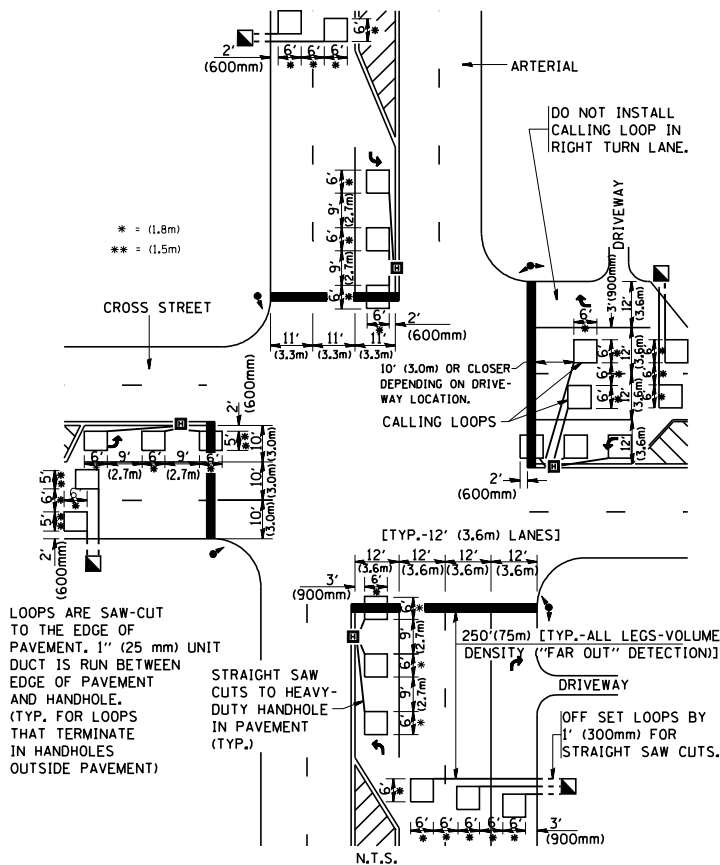
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



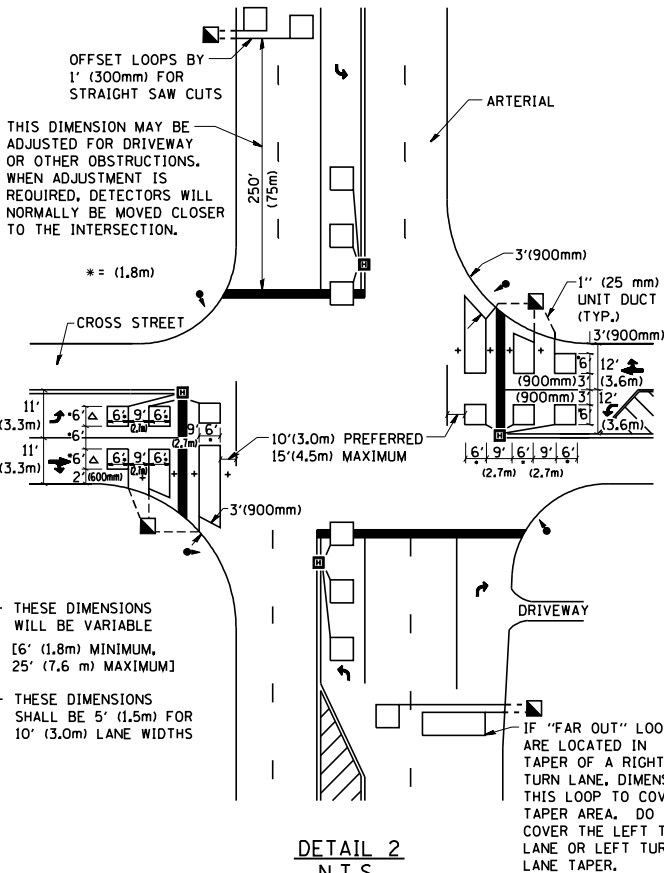
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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		DRAWN -	REVISED -					2771	21-00181-00-RS	COOK	36	36
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	PLOT DATE = 1/4/2008	DATE -	REVISED -					SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

EXHIBIT B

INSURANCE COVERAGES

A. Worker's Compensation and Employer's Liability with limits not less than:

- (1) Worker's Compensation: Statutory;
- (2) Employer's Liability:
 - \$1,000,000 injury-per occurrence
 - \$500,000 disease-per employee
 - \$1,000,000 disease-policy limit

Such insurance shall evidence that coverage applies in the State of Illinois.

B. Comprehensive Motor Vehicle Liability with a combined single limit of liability for bodily injury and property damage of not less than \$1,000,000 for vehicles owned, non-owned, or rented.

All employees shall be included as insureds.

C. Comprehensive General Liability with coverage written on an "occurrence" basis and with limits no less than:

\$2,000,000 Bodily Injury and Property Damage Combined Single Limit

Coverage is to be written on an "occurrence" bases.

Coverages shall include:

- Broad Form Property Damage Endorsement
- Blanket Contractual Liability (must expressly cover the indemnity provisions of the Contract)

D. Professional Liability Insurance. With a limit of liability of not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate and covering Consultant against all sums that Consultant may be obligated to pay on account of any liability arising out of the Contract.

E. Umbrella Policy. The required coverages may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

F. Owner as Additional Insured. Owner shall be named as an Additional Insured on all policies except for:

Worker's Compensation
Professional Liability

Each such additional Insured endorsement shall identify Owner as follows: Village of Northbrook, including its Board members and elected and appointed officials, its officers, employees, agents, attorneys, consultants, and representatives.

G. Other Parties as Additional Insureds. In addition to Owner, the following parties shall be named as additional insured on the following policies:

Additional Insured

Policy or Policies

None Anticipated

EXHIBIT C: FORM OF STANDARD CONSULTANT SERVICES CONTRACT

[TO BE EXECUTED WITH SELECTED CONSULTANT AT A LATER DATE]

CONTRACT BETWEEN
THE VILLAGE OF NORTHBROOK
AND
[SELECTED CONSULTANT]
CONSTRUCTION OBSERVATION SERVICES FOR
LAFO SKOKIE BOULEVARD RESURFACING

**CONTRACT BETWEEN
THE VILLAGE OF NORTHBROOK
AND**

[SELECTED CONSULTANT]

**CONSTRUCTION OBSERVATION SERVICES FOR
LAFO SKOKIE BOULEVARD RESURFACING**

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ATTACHMENT A - Supplemental Schedule of Contract Terms

ATTACHMENT B - Scope of Services

ATTACHMENT C - Schedule

ATTACHMENT D - Special Project Requirements

CONTRACT BETWEEN
THE VILLAGE OF NORTHBROOK
AND
[SELECTED CONSULTANT]
CONSTRUCTION OBSERVATION SERVICES FOR
LAFO SKOKIE BOULEVARD RESURFACING

In consideration of the mutual promises set forth below, the Village of Northbrook, 1225 Cedar Lane, Northbrook, Illinois 60062, a unit of local government created and existing under the laws of the State of Illinois (“Owner”), and [Selected Consultant], a _____ corporation (“Consultant”), make this Contract as of the _____ day of _____, 20____, and hereby agree as follows:

ARTICLE I
THE SERVICES

1.1 Performance of the Services

Consultant shall, at its sole cost and expense, provide, perform, and complete all of the following, all of which is herein referred to as the “Services”:

1. Labor, Equipment, Materials, and Supplies. Provide, perform, and complete, in the manner described and specified in this Contract, all necessary work, labor, services, transportation, equipment, materials, apparatus, information, data, and other items necessary to accomplish the Project, as defined in Attachment A, in accordance with the Scope of Services attached hereto as Attachment B, the Submittal Requirements attached hereto as Attachment C, and the Special Project Requirements attached hereto as Attachment D.
2. Approvals. Procure and furnish all approvals and authorizations specified in Attachment A.
3. Insurance. Procure and furnish all certificates and policies of insurance specified in this Contract.
4. Quality. Provide, perform, and complete all of the foregoing in a proper and workmanlike manner, consistent with the highest standards of professional practice and in full compliance with, and as required by or pursuant to, this Contract.

1.2 Commencement and Completion Dates

Consultant shall commence the Services not later than the “Commencement Date” set forth on Attachment A and shall diligently and continuously prosecute the Services at such a rate as will allow the Services to be fully provided, performed, and completed in full compliance with this Contract not later than the “Completion Date” or, if the Services are to be performed in separate tasks with separate completion dates, the “Completion Dates”

set forth in Attachment A. The time of commencement, rate of progress, and time of completion are referred to in this Contract as the “Contract Time.”

1.3 Required Submittals

A. Submittals Required. Consultant shall submit to Owner all reports, documents, data, and information specifically set forth in Attachment C or otherwise required to be submitted by Consultant under this Contract and shall, in addition, submit to Owner all such reports, documents, data, and information as may be requested by Owner to fully document the Services (“Required Submittals”).

B. Time of Submission and Owner’s Review. All Required Submittals shall be provided to Owner no later than the time, if any, specified in Attachment C or otherwise in this Contract. If no time for submission is specified for any Required Submittal, such Submittal shall be submitted within a reasonable time in light of its purpose and, in all events, in sufficient time, in Owner’s sole opinion, to permit Owner to review the same prior to the commencement of any part of the Services to which such Required Submittal may relate. Owner shall have the right to require such corrections as may be necessary to make any Required Submittal conform to this Contract. No Services related to any Required Submittal shall be performed by Consultant until Owner has completed review of such Required Submittal with no exception noted. Owner’s review and stamping of any Required Submittal shall not relieve Consultant of the entire responsibility for the performance of the Services in full compliance with, and as required by or pursuant to this Contract, and shall not be regarded as any assumption of risk or liability by Owner.

C. Responsibility for Delay. Consultant shall be responsible for any delay in the Services due to delay in providing Required Submittals conforming to this Contract.

1.4 Review and Incorporation of Contract Provisions

Consultant represents and warrants that it has carefully reviewed, and fully understood, this Contract, including all of its Attachments, all of which are by this reference incorporated into and made a part of this Contract.

1.5 Financial and Technical Ability to Perform

Consultant represents and warrants that it is financially solvent, and has the financial resources necessary, and that it is sufficiently experienced and competent, and has the necessary capital, facilities, plant, organization, and staff necessary, to provide, perform, and complete the Services in full compliance with, and as required by or pursuant to, this Contract.

1.6 Time

Consultant represents and warrants that it is ready, willing, able, and prepared to begin the Services on the Commencement Date and that the Contract Time is sufficient time to permit completion of the Services in full compliance with, and as required by or pursuant to, this Contract for the Contract Price.

1.7 Consultant’s Personnel and Subcontractors

A. Consultant’s Personnel. Consultant shall provide all personnel necessary to complete the Services, including without limitation the “Key Project Personnel” identified in Attachment D. Consultant shall provide to Owner telephone numbers at which the Key Project Personnel can be reached

on a 24 hour basis. Consultant and Owner may by mutual written agreement make changes and additions to the designations of Key Project Personnel. Prior to terminating the employment of any Key Project Personnel, or reassigning any of the Key Project Personnel to other positions, or upon receiving notification of the resignation of any of the Key Project Personnel, Consultant shall notify Owner as soon as practicable in advance of such proposed termination, reassignment, or resignation. Consultant shall submit justification, including a description of proposed substitute personnel, in sufficient detail to permit evaluation by Owner of the impact of the proposed action on the Services. No such termination or reassignment shall be made by Consultant without prior written approval of Owner. Consultant shall have no claim for damages, for compensation in excess of the Contract Price, or for a delay or extension of the Contract Time as a result of any such termination, reassignment, resignation, or substitution.

B. Approval and Use of Subcontractors. Consultant shall perform the Services with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by Owner in writing. All subcontractors and subcontracts used by Consultant shall be acceptable to, and approved in advance by, Owner. Owner's approval of any subcontractor or subcontract shall not relieve Consultant of full responsibility and liability for the provision, performance, and completion of the Services in full compliance with, and as required by or pursuant to, this Contract. All Services performed under any subcontract shall be subject to all of the provisions of this Contract in the same manner as if performed by employees of Consultant. Every reference in this Contract to "Consultant" shall be deemed also to refer to all subcontractors of Consultant. Every subcontract shall include a provision binding the subcontractor to all provisions of this Contract.

C. Removal of Personnel and Subcontractors. If any personnel or subcontractor fails to perform the part of the Services undertaken by it in a manner satisfactory to Owner, Consultant shall immediately upon notice from Owner remove and replace such personnel or subcontractor. Consultant shall have no claim for damages, for compensation in excess of the Contract Price, or for a delay or extension of the Contract Time as a result of any such removal or replacement.

1.8 Owner's Responsibilities

Owner shall, at its sole cost and expense and except as otherwise provided in Attachment D: (a) designate in writing a person with authority to act as Owner's representative and on Owner's behalf with respect to the Services except those matters that may require Board approval of Owner; (b) provide to Consultant all criteria and full information as to Owner's requirements for the Project or work to which the Services relate, including Owner's objectives and constraints, schedule, space, capacity and performance requirements, and budgetary limitations relevant to the Project; (c) provide to Consultant all existing studies, reports, and other available data relevant to the Project; (d) arrange for access to and make all provisions for Consultant to enter upon public and private property as reasonably required for Consultant to perform the Services; (e) provide surveys describing physical characteristics, legal limitations, and utility locations for the Project and the services of geotechnical engineers or other consultants when such services are reasonably requested by the Consultant, are necessary for the performance of the Services, and are not already provided for in Attachments B and D; (f) provide structural, mechanical, chemical, air and water pollution tests, test for hazardous materials, and other laboratory and environmental tests, inspections, and reports required by law to be provided by Owner in connection with the Project; (g) review and comment on all Required Submittals and other reports, documents, data, and information presented by Consultant; (h) except as otherwise provided in Attachment A, provide approvals from all governmental authorities having jurisdiction over the Project when such services are reasonably requested by the Consultant, are necessary for the performance of the Services, and are not already provided for in Attachments B and D; (i) except as provided in Article IV of this Contract provide, all accounting, insurance, and legal counseling services as may be necessary from time to time in the sole judgment of Owner to protect Owner's interests with respect to the Project; (j) attend Project related meetings; and (k) give prompt written notice to Consultant whenever Owner

observes or otherwise becomes aware of any development that affects the scope or timing of the Services, provided, however, that failure to give such notice shall not relieve Consultant of any of its responsibilities under this Contract.

1.9 Owner's Right to Terminate or Suspend Services for Convenience

A. Termination or Suspension for Convenience. Owner shall have the right, for its convenience, to terminate or suspend the Services in whole or in part at any time by written notice to Consultant. Every such notice shall state the extent and effective date of such termination or suspension. On such effective date, Consultant shall, as and to the extent directed, stop Services under this Contract, cease all placement of further orders or subcontracts, terminate or suspend Services under existing orders and subcontracts, and cancel any outstanding orders or subcontracts that may be canceled.

B. Payment for Completed Services. In the event of any termination pursuant to Subsection 1.9A above, Owner shall pay Consultant (1) such direct costs, including overhead, as Consultant shall have paid or incurred for all Services done in compliance with, and as required by or pursuant to, this Contract up to the effective date of termination; and (2) such other costs pertaining to the Services, exclusive of overhead and profit, as Consultant may have reasonably and necessarily incurred as the result of such termination. Any such payment shall be offset by any prior payment or payments and shall be subject to Owner's rights to withhold and deduct as provided in this Contract.

ARTICLE II **CHANGES AND DELAYS**

2.1 Changes

Owner shall have the right, by written order executed by Owner, to make changes in the Contract, the Project, the Services and the Contract Time ("Change Order"). If any Change Order causes an increase or decrease in the amount of the Services, an equitable adjustment in the Contract Price or Contract Time may be made. No decrease in the amount of the Services caused by any Change Order shall entitle Consultant to make any claim for damages, anticipated profits, or other compensation.

2.2 Delays

For any delay that may result from causes that could not be avoided or controlled by Consultant, Consultant shall, upon timely written application, be entitled to issuance of a Change Order providing for an extension of the Contract Time for a period of time equal to the delay resulting from such unavoidable cause. No extension of the Contract Time shall be allowed for any other delay in completion of the Services.

2.3 No Constructive Change Orders

No claims for equitable adjustments in the Contract Price or Contract Time shall be made or allowed unless embodied in a Change Order. If Owner fails to issue a Change Order including, or fully including, an equitable adjustment in the Contract Price or Contract Time to which Consultant claims it is entitled, or, if Consultant believes that any requirement, direction, instruction, interpretation, determination, or decision of Owner entitles Consultant to an equitable adjustment in the Contract Price or Contract Time that has not been included, or fully included, in a Change Order, then Consultant shall submit to Owner a written request for the issuance of, or revision of, a Change Order, including the equitable adjustment, or the additional equitable adjustment, in the Contract Price or Contract Time that Consultant claims has not been included, or fully included, in a Change Order. Such request shall be submitted before Consultant proceeds with any Services for which Consultant claims an equitable

adjustment is due and shall, in all events, be submitted no later than two business days after receipt of such Change Order or receipt of notice of such requirement, direction, instruction, interpretation, determination, or decision. Notwithstanding the submission of any such request, Consultant shall, unless otherwise directed by Owner within two business days after receipt by Owner of such request, proceed without delay to perform the Services in compliance with the Change Order or as required, directed, instructed, interpreted, or decided by Owner and shall, pending a final resolution of the issue, keep a daily record of such Services. Unless Consultant submits such a request within two business days after receipt of such Change Order or receipt of notice of such requirement, direction, instruction, interpretation, determination, or decision, Consultant shall be conclusively deemed (1) to have agreed that such Change Order, requirement, direction, instruction, interpretation, determination, or decision does not entitle Consultant to an equitable adjustment in the Contract Price or Contract Time and (2) to have waived all claims based on such Change Order, requirement, direction, instruction, interpretation, determination, or decision.

ARTICLE III

CONSULTANT'S RESPONSIBILITY FOR DEFECTIVE SERVICES

3.1 Consultant's Responsibilities.

A. Standard of Care. Consultant agrees that the Services and all components thereof shall conform to the requirements of this Contract; shall be fit, sufficient and suitable for the purposes expressed in, or reasonably inferred from, this Contract; shall be performed in accordance with the standards of professional practice, care and diligence practiced by recognized consulting firms performing services of a similar nature in existence at the time of performance of the Services; and the Services shall free from defects and flaws in design consistent with such standards of professional practice, care and diligence. The standards and obligations contained herein shall be in addition to any other requirements expressed in this Contract, or expressed or implied by law, which are hereby reserved unto Owner.

B. Opinions of Cost. It is recognized that neither Consultant nor Owner has control over the costs of labor, material, equipment or services furnished by others or over competitive bidding, market or negotiating conditions, or construction contractors' methods of determining their prices. Accordingly, any opinions of probable Project costs or construction costs provided for herein are estimates only, made on the basis of Consultant's experience and qualifications and represent Consultant's best judgment as an experienced and qualified professional, familiar with the industry. Consultant does not guaranty that proposals, bids or actual Project costs or construction costs will not vary from opinions of probable cost prepared by Consultant.

3.2 Corrections

Consultant shall be responsible for the quality, technical accuracy, completeness and coordination of all reports, documents, data, information and other items and services under this Contract. Consultant shall, promptly and without charge, provide, to the satisfaction of Owner, all corrective Services necessary as a result of Consultant's errors, omissions, negligent acts, or failure to meet the standard of care.

3.3 Risk of Loss

The Services and everything pertaining thereto shall be provided, performed, and completed at the sole risk and cost of Consultant. Consultant shall be responsible for any and all damages to property or persons as a result of Consultant's errors, omissions, negligent acts, or failure to meet the standard of care and for any losses or costs to repair or remedy any work undertaken by Owner based upon the

Services as a result of any such errors, omissions, negligent acts or failure to meet the standard of care. Notwithstanding any other provision of this Contract, Consultant's obligations under this Section 3.3 shall exist without regard to, and shall not be construed to be waived by, the availability or unavailability of any insurance, either of Owner or Consultant, to indemnify, hold harmless or reimburse Consultant for such damages, losses or costs.

ARTICLE IV **FINANCIAL ASSURANCES**

4.1 Insurance

Contemporaneous with Consultant's execution of this Contract, Consultant shall provide certificates and policies of insurance evidencing at least the minimum insurance coverages and limits set forth in Attachment A. For good cause shown, Owner may extend the time for submission of the required policies of insurance upon such terms, and with such assurances of complete and prompt performance, as Owner may impose in the exercise of its sole discretion. **Such policies shall be in a form acceptable to Owner and from companies with a general rating of A minus and a financial size category of Class X or better in Best's Insurance Guide and otherwise acceptable to Owner. Such insurance shall provide that no change, modification in, or cancellation of any insurance shall become effective until the expiration of 30 days after written notice thereof shall have been given by the insurance company to Owner.** Consultant shall, at all times while providing, performing, or completing the Services, including, without limitation, at all times while correcting any failure to meet the standard of care pursuant to Section 3.2 of this Contract, maintain and keep in force, at Consultant's expense, at least the minimum insurance coverages and limits set forth in Attachment A.

4.2 Indemnification

Consultant shall, without regard to the availability or unavailability of any insurance, either of Owner or Consultant; (A) as to Consultant's professional activities, indemnify, and save harmless Owner against any and all lawsuits, claims, demands, damages, liabilities, losses, and expenses, including attorneys' fees and administrative expenses, (collectively "Claims") that may arise out of or in connection with Consultant's negligent performance of, or failure to perform, the Services or any part thereof; and (B) as to all other activities of Consultant, indemnify, save harmless and defend Owner against any and all Claims that may arise, or be alleged to have arisen, out of or in connection with Consultant's performance of, or failure to perform, the Services or any part thereof, provided that Consultant shall not be required to indemnify Owner under provisions A or B of this Section for injury or damage to the extent caused by the negligence of Owner.

ARTICLE V **PAYMENT**

5.1 Contract Price

Owner shall pay to Consultant, in accordance with and subject to the terms and conditions set forth in this Article V and Attachment A, and Consultant shall accept in full satisfaction for providing, performing, and completing the Services, the amount or amounts set forth in Attachment A (the "Contract Price"), subject to any additions, deductions, or withholdings provided for in this Contract.

5.2 Taxes, Benefits and Royalties

The Contract Price includes all applicable federal, state, and local taxes of every kind and nature applicable to the Services as well as all taxes, contributions, and premiums for unemployment insurance, old age or retirement benefits, pensions, annuities, or other similar benefits and all costs, royalties, and fees arising from the use on, or the incorporation into, the Services, of patented equipment, materials, supplies, tools, appliances, devices, processes, or inventions. All claim or right to claim additional compensation by reason of the payment of any such tax, contribution, premium, costs, royalties, or fees is hereby waived and released by Consultant.

5.3 Progress Payments

A. Payment in Installments. The Contract Price shall be paid in the manner set forth in Attachment A (“Progress Payments”).

B. Pay Requests. Consultant shall, as a condition precedent to its right to receive each Progress Payment, submit to Owner an invoice accompanied by such receipts, vouchers, and other documents as may be necessary to establish Consultant’s prior payment for all labor, material, and other things covered by the invoice and the absence of any interest, whether in the nature of a lien or otherwise, of any party in any property, work, or fund with respect to the Services performed under this Contract. In addition to the foregoing, such invoice shall include (a) employee classifications, rates per hour, and hours worked by each classification, and, if the Services are to be performed in separate tasks, for each task; (b) total amount billed in the current period and total amount billed to date, and, if the Services are to be performed in separate tasks, for each task; (c) the estimated percent completion, and, if the Services are to be performed in separate tasks, for each task; and (d) Consultant’s certification that all prior Progress Payments have been properly applied to the Services with respect to which they were paid. Owner may, by written notice to Consultant, designate a specific day of each month on or before which pay requests must be submitted.

5.4 Final Acceptance and Final Payment

The Services, or, if the Services are to be performed in separate tasks, each task of the Services, shall be considered complete on the date of final written acceptance by Owner of the Services or each task of the Services, as the case may be, which acceptance shall not be unreasonably withheld or delayed. The Services or each task of the Services, as the case may be, shall be deemed accepted by Owner if not objected to in writing within 60 days after submission by Consultant of the Services or such task of Services for final acceptance and payment plus, if applicable, such additional time as may be considered reasonable for obtaining approval of governmental authorities having jurisdiction to approve the Services, or task of Services, as the case may be. As soon as practicable after final acceptance, Owner shall pay to Consultant the balance of the Contract Price or, if the Services are to be performed in separate tasks, the balance of that portion of the Contract Price with respect to such task of the Services, after deducting therefrom all charges against Consultant as provided for in this Contract (“Final Payment”). The acceptance by Consultant of Final Payment with respect to the Services or a particular task of Services, as the case may be, shall operate as a full and complete release of Owner of and from any and all lawsuits, claims, demands, damages, liabilities, losses, and expenses of, by, or to Consultant for anything done, furnished for, arising out of, relating to, or in connection with the Services or a particular task of Services, as the case may be, or for or on account of any act or neglect of Owner arising out of, relating to, or in connection with the Services or a particular task of Services, as the case may be.

5.5 Deductions

A. Owner's Right to Withhold. Notwithstanding any other provision of this Contract and without prejudice to any of Owner's other rights or remedies, Owner shall have the right at any time or times, whether before or after approval of any pay request, to deduct and withhold from any Progress or Final Payment that may be or become due under this Contract such amount as may reasonably appear necessary to compensate Owner for any actual or prospective loss due to: (1) Services that are defective, damaged, flawed, unsuitable, nonconforming, or incomplete; (2) damage for which Consultant is liable under this Contract; (3) liens or claims of lien regardless of merit; (4) claims of subcontractors, suppliers, or other persons regardless of merit; (5) delay in the progress or completion of the Services; (6) inability of Consultant to complete the Services; (7) failure of Consultant to properly complete or document any pay request; (8) any other failure of Consultant to perform any of its obligations under this Contract; or (9) the cost to Owner, including attorneys' fees and administrative costs, of correcting any of the aforesaid matters or exercising any one or more of Owner's remedies set forth in Section 6.1 of this Contract.

B. Use of Withheld Funds. Owner shall be entitled to retain any and all amounts withheld pursuant to Subsection 5.5A above until Consultant shall have either performed the obligations in question or furnished security for such performance satisfactory to Owner. Owner shall be entitled to apply any money withheld or any other money due Consultant under this Contract to reimburse itself for any and all costs, expenses, losses, damages, liabilities, suits, judgments, awards, attorneys' fees, and administrative expenses incurred, suffered, or sustained by Owner and chargeable to Consultant under this Contract.

5.6 Accounting

Consultant shall keep accounts, books, and other records of all its billable charges and costs incurred in performing the Services in accordance with generally accepted accounting practices, consistently applied, and in such manner as to permit verification of all entries. Consultant shall make all such material available for inspection by Owner, at all reasonable times during this Contract and for a period of three years following termination of this Contract. Copies of such material shall be furnished, at Owner's expense, upon request.

ARTICLE VI REMEDIES

6.1 Owner's Remedies

If it should appear at any time prior to Final Payment for all work that Consultant has failed or refused to prosecute, or has delayed in the prosecution of, the Services with diligence at a rate that assures completion of the Services in full compliance with the requirements of this Contract, or has attempted to assign this Contract or Consultant's rights under this Contract, either in whole or in part, or has falsely made any representation or warranty in this Contract, or has otherwise failed, refused, or delayed to perform or satisfy any other requirement of this Contract or has failed to pay its debts as they come due ("Event of Default"), and has failed to cure any such Event of Default within five business days after Consultant's receipt of written notice of such Event of Default, then Owner shall have the right, at its election and without prejudice to any other remedies provided by law or equity, to pursue any one or more of the following remedies:

1. Owner may require Consultant, within such reasonable time as may be fixed by Owner, to complete or correct all or any part of the Services that are defective, damaged, flawed, unsuitable, nonconforming, or incomplete; to accelerate all or any part of the Services; and to take any or all other action necessary to bring Consultant and the Services into strict compliance with this Contract.

2. Owner may accept the defective, damaged, flawed, unsuitable, nonconforming, incomplete, or dilatory Services or part thereof and make an equitable reduction in the Contract Price.
3. Owner may terminate this Contract without liability for further payment of amounts due or to become due under this Contract.
4. Owner may withhold from any Progress Payment or Final Payment, whether or not previously approved, or may recover from Consultant, any and all costs, including attorneys' fees and administrative expenses, incurred by Owner as the result of any Event of Default or as a result of actions taken by Owner in response to any Event of Default.
5. Owner may recover any damages suffered by Owner.

6.2 Terminations and Suspensions Deemed for Convenience

Any termination or suspension of Consultant's rights under this Contract for an alleged default that is ultimately held unjustified shall automatically be deemed to be a termination or suspension for the convenience of Owner under Section 1.9 of this Contract.

ARTICLE VII LEGAL RELATIONSHIPS AND REQUIREMENTS

7.1 Binding Effect

This Contract shall be binding upon Owner and Consultant and upon their respective heirs, executors, administrators, personal representatives, and permitted successors and assigns. Every reference in this Contract to a party shall also be deemed to be a reference to the authorized officers, employees, agents, and representatives of such party.

7.2 Relationship of the Parties

Consultant shall act as an independent contractor in providing and performing the Services. Nothing in or done pursuant to, this Contract shall be construed (1) to create the relationship of principal and agent, partners, or joint ventures between Owner and Consultant or (2) to create any relationship between Owner and any subcontractor of Consultant.

7.3 No Collusion

Consultant hereby represents and certifies that Consultant is not barred from contracting with a unit of state or local government as a result of (i) a delinquency in the payment of any tax administered by the Illinois Department of Revenue unless Consultant is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of the tax, as set forth in 65 ILCS 5/11-42.1-1; or (ii) a violation of either Section 33E-3 or Section 33E-4 of Article 33E of the Criminal Code of 1961, 720 ILCS 5/33E-1 et seq. Consultant hereby represents that the only persons, firms, or corporations interested in this Contract as principals are those disclosed to Owner prior to the execution of this Contract, and that this Contract is made without collusion with any other person, firm, or corporation. If at any time it shall be found that Consultant has, in procuring this Contract, colluded with any other person, firm, or corporation, then Consultant shall be liable to Owner for all loss or damage that Owner may suffer thereby, and this Contract shall, at Owner's option, be null and void.

7.4 Assignment

Consultant shall not (1) assign this Contract in whole or in part, (2) assign any of Consultant's rights or obligations under this Contract, or (3) assign any payment due or to become due under this Contract without the prior express written approval of Owner, which approval may be withheld in the sole and unfettered discretion of Owner; provided, however, that Owner's prior written approval shall not be required for assignments of accounts, as defined in the Illinois Commercial Code, if to do so would violate Section 9-318 of the Illinois Commercial Code, 810 ILCS 5/9-318. Owner may assign this Contract, in whole or in part, or any or all of its rights or obligations under this Contract, without the consent of Consultant.

7.5 Confidential Information

All information supplied by Owner to Consultant for or in connection with this Contract or the Services shall be held confidential by Consultant and shall not, without the prior express written consent of Owner, be used for any purpose other than performance of the Services.

7.6 No Waiver

No examination, inspection, investigation, test, measurement, review, determination, decision, certificate, or approval by Owner, nor any order by Owner for the payment of money, nor any payment for, or use, occupancy, possession, or acceptance of, the whole or any part of the Services by Owner, nor any extension of time granted by Owner, nor any delay by Owner in exercising any right under this Contract, nor any other act or omission of Owner shall constitute or be deemed to be an acceptance of any defective, damaged, flawed, unsuitable, nonconforming, or incomplete Services, nor operate to waive or otherwise diminish the effect of any warranty or representation made by Consultant; or of any requirement or provision of this Contract; or of any remedy, power, or right of Owner.

7.7 No Third Party Beneficiaries

No claim as a third party beneficiary under this Contract by any person, firm, or corporation other than Consultant shall be made or be valid against Owner.

7.8 Notices

All notices required or permitted to be given under this Contract shall be in writing and shall be deemed received by the addressee thereof when delivered in person on a business day at the address set forth below or on the third business day after being deposited in any main or branch United States post office, for delivery at the address set forth below by properly addressed, postage prepaid, certified or registered mail, return receipt requested. Notices and communications to Owner shall be addressed to, and delivered at, the following address:

Village of Northbrook
Public Works Center
655 Huehl Road
Northbrook, Illinois 60062
Attention: Aram Beladi, Village Engineer

Notices and communications to Consultant shall be addressed to, and delivered at, the following address:
[SELECTED CONSULTANT]

The foregoing shall not be deemed to preclude the use of other non-oral means of notification or to invalidate any notice properly given by any such other non-oral means.

By notice complying with the requirements of this Section 7.8, Owner and Consultant each shall have the right to change the address or addressee or both for all future notices to it, but no notice of a change of address or addressee shall be effective until actually received.

7.9 Governing Laws

This Contract and the rights of Owner and Consultant under this Contract shall be interpreted according to the internal laws, but not the conflict of laws rules, of the State of Illinois.

7.10 Changes in Laws

Unless otherwise explicitly provided in this Contract, any reference to laws shall include such laws as they may be amended or modified from time to time.

7.11 Compliance with Laws and Grants

Consultant shall give all notices, pay all fees, and take all other action that may be necessary to ensure that the Services are provided, performed, and completed in accordance with all required governmental permits, licenses, or other approvals and authorizations that may be required in connection with providing, performing, and completing the Services, and with all applicable statutes, ordinances, rules, and regulations, including without limitation the Fair Labor Standards Act; any statutes regarding qualification to do business; any statutes prohibiting discrimination because of, or requiring affirmative action based on, race, creed, color, national origin, age, sex, or other prohibited classification, including, without limitation, the Americans with Disabilities Act of 1990, 42 U.S.C. §§ 12101 et seq., and the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq. Consultant shall also comply with all conditions of any federal, state, or local grant received by Owner or Consultant with respect to this Contract or the Services.

Consultant shall be solely liable for any fines or civil penalties that are imposed by any governmental or quasi-governmental agency or body that may arise, or be alleged to have arisen, out of or in connection with Consultant's, or its subcontractors', performance of, or failure to perform, the Services or any part thereof.

Every provision of law required by law to be inserted into this Contract shall be deemed to be inserted herein.

7.12 Documents

Drawings, plans, specifications, photos, reports, information, observations, calculations, notes and any other reports, documents, data or information, in any form, prepared, collected, or received by Consultant in connection with any or all of the Services (the "Documents") shall be and remain the property of Owner. At Owner's request, or upon termination of this Contract, the Documents shall be delivered promptly to Owner. Consultant shall have the right to retain copies of the Documents for its files. Consultant shall maintain files of all Documents unless Owner shall consent in writing to the destruction of the Documents. Consultant shall make, and shall cause all of its subcontractors to make,

the Documents available for Owner's review, inspection and audit during the entire term of this Contract and for three years after termination of this Contract; provided, however, that prior to the disposal or destruction of the Documents by Consultant or any of its subcontractors following said three year period, Consultant shall give notice to Owner of any Documents to be disposed of or destroyed and the intended date, which shall be at least 90 days after the effective date of such notice of disposal or destruction. Owner shall have 90 days after receipt of any such notice to give notice to Consultant or any of its subcontractors not to dispose of or destroy said Documents and to require Consultant or any of its subcontractors to deliver same to Owner, at Owner's expense.

7.13 Time

The Contract Time is of the essence of this Contract. Except where otherwise stated, references in this Contract to days shall be construed to refer to calendar days.

7.14 Severability

The provisions of this Contract shall be interpreted when possible to sustain their legality and enforceability as a whole. In the event any provision of this Contract shall be held invalid, illegal, or unenforceable by a court of competent jurisdiction, in whole or in part, neither the validity of the remaining part of such provision, nor the validity of any other provisions of this Contract shall be in any way affected thereby.

7.15 Entire Agreement

This Contract sets forth the entire agreement of Owner and Consultant with respect to the accomplishment of the Services and the payment of the Contract Price therefor, and there are no other understandings or agreements, oral or written, between Owner and Consultant with respect to the Services and the compensation therefor.

7.16 Amendments

No modification, addition, deletion, revision, alteration, or other change to this Contract shall be effective unless and until such change is reduced to writing and executed and delivered by Owner and Consultant.

IN WITNESS WHEREOF, Owner and Consultant have caused this Contract to be executed in two original counterparts as of the day and year first written above.

(SEAL)

Attest/Witness:

VILLAGE OF NORTHBROOK:

By: _____
Derek Gau
Title: Village Clerk

By: _____
Cara L. Pavlicek
Title: Village Manager

Attest/Witness:

[SELECTED CONSULTANT]:

By: _____
Title: Secretary

By: _____
Title: President

ATTACHMENT A

SUPPLEMENTAL SCHEDULE OF CONTRACT TERMS

1. Project Description:

The Village's FY 2026/2027 Budget (May 1, 2026 to April 30, 2027) has allocated funding for the construction of the LAFO Skokie Boulevard Resurfacing project. A brief summary of the construction work to be implemented can be found below:

The work will be performed on Skokie Boulevard from south of Sunset Ridge Road to Lake-Cook Road within the Village of Northbrook, Cook County, Illinois. The net project length is 9,400 feet (1.780 Miles) and the gross project length is 9,400 feet (1.780 Miles). Work will consist of removing the asphalt surface course, constructing an asphalt leveling binder and surface course as well as constructing asphalt patches; repairing segments of combination curb and gutter; repairing minor drainage structure deficiencies; installing pavement marking and providing traffic control and protection. Construction of the roadway improvements will be paid for through the Village's motor fuel tax allotment along with grant funding from the North Shore Council through the Surface Transportation Program.

2. Approvals and Authorizations

Consultant shall obtain any required approvals and authorizations listed in the Scope of Services in Attachment B.

3. Commencement Date:

The date of execution of the Contract by Owner.

4. Completion Date:

This contract will be considered complete after the construction contract warranty period has expired which is one calendar year after the date of the construction project acceptance by the owner.

5. Insurance Coverages:

A. Worker's Compensation and Employer's Liability with limits not less than:

(1) Worker's Compensation: Statutory;

(2) Employer's Liability:
\$1,000,000 injury-per occurrence

\$500,000 disease-per employee

\$1,000,000 disease-policy limit

Such insurance shall evidence that coverage applies in the State of Illinois.

B. Comprehensive Motor Vehicle Liability with a combined single limit of liability for bodily injury and property damage of not less than \$1,000,000 for vehicles owned, non-owned, or rented.

All employees shall be included as insureds.

C. Comprehensive General Liability with coverage written on an “occurrence” basis and with limits no less than:

General Aggregate: \$2,000,000 Bodily Injury and Property Damage
Combined Single Limit for this Project.

Coverages shall include:

- Broad Form Property Damage Endorsement
- Blanket Contractual Liability (must expressly cover the indemnity provisions of the Contract)

D. Professional Liability Insurance. With a limit of liability of not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate and covering Consultant against all sums that Consultant may be obligated to pay on account of any liability arising out of the Contract.

E. Umbrella Policy. The required coverages may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

F. Owner as Additional Insured. Owner shall be named as an Additional Insured and a Cancellation Notice recipient on all policies except for:

Worker’s Compensation
Professional Liability

Each such additional Insured endorsement shall identify Owner as follows: The Village of Northbrook, including its Board members and elected and appointed officials, its officers, employees, agents, attorneys, consultants, and representatives.

G. Other Parties as Additional Insureds. In addition to Owner, the following parties shall be named as additional insured on the following policies:

- None anticipated

All additional public or private property owners as needed on all policies with the exception of Worker’s Compensation and Professional Liability.

Contract Price:

SCHEDULE OF PRICES

For providing, performing, and completing each task of Services, an amount equal to Consultant's Direct Labor Costs, plus an amount equal to the actual costs of all Reimbursable Expenses, but not to exceed, in each task of Services, the following not to exceed amount set forth opposite each such task except as adjusted by Change Order issued pursuant to Section 2.1 of the Contract:

TOTAL NOT TO EXCEED CONTRACT PRICE: \$

_____ Dollars and _____ Cents
(in writing) (in writing)

(in figures)

(in figures)

Dollars and Cents

Payments:

For purposes of payments to Consultant, the value of the Services shall be determined as follows:

Direct Labor Costs shall mean salaries and wages paid to all Consultant personnel as set forth on the list supplied by Consultant attached hereto and referenced as Attachment A1, including all professionals whether owners or employees, engaged directly on the Project, but shall not include indirect payroll related costs or fringe benefits.

Reimbursable Expenses shall mean the actual expenses incurred by Consultant directly or indirectly in connection with the Project, including expenses for transportation, telephone, postage, computer time and other highly specialized equipment, reproduction and similar Project related items. Please note that the Owner will not pay for travel time for consultant inspection staff. It is expected the consultant has office/staff near the project site. The Owner will only pay for consultant inspection time spent working on the project (either on site or remotely).

ATTACHMENT B

SCOPE OF SERVICES

Consultant shall cooperate and work closely with representatives of Owner and other parties involved in the Project. Consultant shall meet with Owner and such other parties, and shall provide such consultation, advice, and reports, as required to adequately perform its responsibilities under the Contract. Consultant shall produce and deliver to Owner the results of its Services, plus any reports, documents, data, information, observations, or opinions set forth below or requested by Owner, in form or format as set forth below or, if none, in form or format of Owner's choosing. **In the event of any conflict or contradiction between or among the various provisions from the Village of Northbrook RFP and the consultant's Proposal, which is attached hereto and referenced as Attachment B-1 in this Scope of Services, the inclusive description shall control.**

After written authorization to proceed, Consultant shall provide, perform and complete the following:

The following services/tasks including, but not limited to, the following will need to be performed/provided unless otherwise designated. If any additional tasks are added by the Proposer, please note as such by either bolding or italicizing in Proposal:

FULL TIME CONSTRUCTION OBSERVATION:

Staffing:

- Full time construction observation services are required
 - Full time within reason. If construction work is delayed and or no activity is occurring then the "project engineer" should not be billing time to the project.
 - If project work that does not require full time on site presence is occurring then the "project engineer" should not be billing time to the project.
- Assign one consultant employee to be the "project engineer".
 - Employee will be the lead inspector and is expected to be on site during construction activities
 - The "Project engineer" identified in the consultant's proposal is expected to serve as "project engineer" for the entire project. Any change in "project engineer" must be brought to the Village's attention for review and approval.
 - The "project engineer" shall have a minimum of five years of experience in construction observation, management and inspection experience. If not five years experience, then the "project engineer" must have prior working experience with the Village performing these tasks
 - The project engineer shall have a computer with internet access on hand and a company vehicle at all times.

Scope of Services

- Project Startup.
 - Hold pre-construction meeting with contractor, Village staff, and other pertinent parties.
 - Develop and distribute Project Notifications (letters to impacted businesses and residents).
- Maintain Daily Project Diary, Daily Inspection Reports, and all other Pertinent Records.
 - Daily reports should include labeled construction photos
- Review material submittals to ensure they are in accordance with the requirements set forth in the Contract and Engineering Drawings.
- Perform construction inspection of all Contract Work to ensure improvements are constructed safely with minimal impact on the public and in accordance with the project specifications.
- Answering of questions and resolving issues and concerns from impacted property owners.

- Contract Administration/Documentation.
- Documentation of Contract Quantities through IDOT's CMMS program.
- Compliance with all federal and state grant requirements
- Ensure Compliance with all applicable Permits.
- Serve as initial point of contact for all project related resident concerns. Then after consultation with Village staff, work with all involved parties to resolve concerns.
- Administer weekly Progress Meetings with Village staff and contractor. Provide timely meeting minutes.
- Provide the Village a minimum of three photos of the construction project per week when there is active construction.
- Provide a brief daily emailed update to Village project manager at the end of each work day. Summarize the work completed and advise what work is expected for the next day.
- Review contractor progress against construction schedule timeframe/completion dates. Send a summary email each week with summary of work performed and advising contractor of remaining days and completion date (or any interim deadlines).
- Review/Process Contractor Progress Pay Requests (review waivers of lien, sworn statements and certified payroll records and have contractor revise documents as necessary) and Recommend for Payment to the Village.
- Coordinate QA material testing services with the Village's material testing consultant to ensure QA material testing work is performed.
- Developing and Processing of Change Orders, if necessary.
- Project Finalization.
 - Develop and ensure completion of the projects' "Punch List."
 - Review contractor submitted As-Built plans for accuracy.
 - Warranties/Guarantees and Final Lien Waiver from Contractor.
 - Final Project Acceptance by Village.
 - Final Payment to Contractor.
 - Address any issues that arise during warranty period (up to 1 year beyond date of final payment to Contractor).
 - Provide hard copy of all project documents (job box) at the end of the project
 - Provide electronic copy of all project documents on a CD or USB flash drive
 - Electronic files should be organized in a manner that is consistent with the hard copy of the job box and shall use common file formats such as PDF or Microsoft office

ATTACHMENT B-1

SCOPE OF SERVICES CONT.

[SELECTED CONSULTANT]:

ATTACHMENT C
SCHEDULE

Note: The schedule provided below is an estimate at this time and the actual schedule will depend on a number of factors including the speed at which the construction contractor completes work and or any delays that may arise out of the control of the Owner or the Consultant. In general, the consultant is expected to perform the duties outlined in Attachment B until the construction contract has been complete and the one year warranty period has ended.

- Estimated date of notice to proceed: May 26, 2026.
- Estimated date for construction work to begin: August 3, 2026.
- Estimated date for project completion: October 10, 2026.
- One year warranty period starting upon issuance of the project completion letter to the construction contractor. Construction observation services to be provided as needed during warranty period.

Note: Written authorization from the Village is required before proceeding with each phase.

ATTACHMENT D

SPECIAL PROJECT REQUIREMENTS

1. Key Project Personnel Contact Information:

Name/Project Function: _____ Telephone: _____ E-Mail: _____