



**Illinois Department  
of Transportation**

Firm	TranSystems Corporation
Route	Naperville Road and IL 38
Section	19-00195-05-CH
County	DuPage
Job No.	
PTB & Item	Supplement #3

Date 10/2/2024

Overhead Rate	<u>134.03%</u>
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Complexity Factor 0

### Cost Estimate of Consultant Services

(Direct Labor Multiple)

ITEM	MANHOURS	PAYROLL	(2.80+R) TIMES PAYROLL	DIRECT COSTS	SERVICES BY OTHERS	DBE TOTAL	TOTAL	% OF GRAND TOTAL
	(A)	(B)	(C)	(D)	(E)	(C+D+E)	(C+D+E)	
1-Project Management	144	8,014.27	22,439.97				22,439.97	24.98%
2-Prepare Median Alternatives	120	7,036.00	19,700.80				19,700.80	21.93%
3-Update IDS	68	3,846.74	10,770.88				10,770.88	11.99%
4-Update Design Exceptions	24	1,407.20	3,940.16				3,940.16	4.39%
5-Update Pref. Impr. Plan	32	1,830.80	5,126.24				5,126.24	5.71%
6-Update Env. Clearances	4	261.03	730.88				730.88	0.81%
7-Project Devel. Report	48	2,753.64	7,710.20				7,710.20	8.58%
8-Cultural Response Memo	40	2,477.49	6,936.96				6,936.96	7.72%
9-Additional Drainage	40	2,220.30	6,216.84				6,216.84	6.92%
10-Additional QA/QC	32	2,240.00	6,272.00				6,272.00	6.98%
TOTALS	552	32,087.47	89,844.93	0.00	0.00	0.00	89,844.93	100.00%

## Exhibit A

### SCOPE OF SERVICES

Naperville Rd & IL 38 (Roosevelt Rd) Supplement #3  
10/02/2024

DuDOT requested a proposed scope of work to re-analyze the Naperville Road portion of the project as follows:

For all alternatives:

- Provide plan view of IDS Sheet 1 and 3 and Naperville Road cross sections.
- Hold the current proposed west back of curb on the south approach
- Use 11-foot dual left-turn lanes on both the north and south approaches
- Striped median along the north approach turn bay
- Barrier median along south approach turn lanes (west curb B6.06 & east curb B-6.12 or B-6.18 per drainage)
- Striped median along the south approach's LTL taper
  - a. **Alternative 1**
    - i. 6-foot barrier median (EP-EP)
    - ii. No lane offset between the north and south approach
  - b. **Alternative 2**
    - i. 5- foot barrier median (EP-EP)
    - ii. No lane offset between the north and south approach
  - c. **Alternative 3**
    - i. 5- foot barrier median (EP-EP)
    - ii. lane offset between the north and south approach of 6-inches to 1-foot

The following scope items, account for the effort to re-analyze the Naperville Road median, and additional items necessary to complete the project that were completed, and which were not included in the original scope of work or included in Supplements #1 and #2.

#### **1. Project Management**

Due to ongoing project coordination, completion of the OD study, extended review times by IDOT, and other extenuating circumstances, the project timeline has extended from 24 months to 72 months. The extended duration of 48 months beyond the original anticipated timeline, and these delays have incurred more time and costs to manage the project as follows:

- Additional time for project administration, invoicing, and project status reports
- Providing information and responses to additional requests by DuDOT and IDOT

Note that this task also includes the effort to review the current proposed improvements, review appropriate design criteria, coordinate with DuDOT staff,

coordinate with IDOT staff, coordinate submittal and response, and provide additional project administration, invoicing, and project status reports.  
(144 hours)

**2. Prepare Median Alternatives**

Assume the following hours:

- Prepare alternatives, including horizontal geometrics, vertical profiles, and drainage considerations – 24 hours/alternative x 3 alts = 72 hours
- Address DuDOT comments – 32 hours
- Prepare Alternatives Analysis tech memo (assume one round of comments for a draft and final memo) – 16 hours
- *Total = 120 hours*

**The following tasks will be completed only after the selection of the Preferred Alternative.** Completion of the tasks below assumes a reasonable number of review/revision rounds. Also, DuDOT and IDOT reviews are assumed to occur concurrently after a pre-submittal review by DuDOT for completeness. Revisions/resubmittals will not be completed until all comments are received.

**3. Update IDS for Naperville Road and Roosevelt Road**

This includes the effort to

- Re-run truck turns (8 hours)
- Prepare ADA sidewalk ramp design revisions (16 hours)
- Re-evaluate cross section (8 hours)
- Revise right-of-way acquisition boundaries as necessary (8 hours)
- Incorporate the preferred median alternative into the current IDS (20 hours)
- Coordinate with IDOT (8 hours)

*(68 hours)*

**4. Update Design Exceptions**

This includes the effort to re-evaluate the current design exceptions and prepare design exceptions necessary for the preferred median alternative. This assumes addressing comments from DuDOT and IDOT. This task also includes preparing for, attending, and minutes for one IDOT/FHWA meeting for approval of variances.

*(24 hours)*

**5. Update Preferred Improvement Plan**

This includes the effort to incorporate the preferred median alternative into the preferred improvement plan and update the notes, details, dimensions, curb types, ADA sidewalk ramps, right-of-way acquisition boundaries, and geometric layout.

*(32 hours)*

**6. Update Environmental Clearances**

This includes the effort to coordinate with IDOT for the updated cultural, biological, and special waste environmental clearances.

*(4 hours)*

**7. Project Development Report**

Efforts were expended to prepare and compile this initial PDR and, according to IDOT, it is considered a submittal of a pre-draft PDR. These hours are to cover the task of re-assembling and resubmitting the PDR as a Draft PDR, which will include all documents missing from the December 2023 “pre-Draft PDR”.

*(32 hours)*

The original scope of work included preparing a draft, pre-final, and final PDR to DuDOT and IDOT for review and comment. Substantial work has been completed to date towards the draft PDR. As such, this includes the effort to incorporate the preferred median alternative into the current PDR. This includes all required responses to comments from DuDOT and IDOT. *(16 hours)*

*Total: 48 hours*

**8. Cultural Response Memo**

On June 30, 2023, IDOT provided a Historic Resources Inventory Memo that identified 17 individual cultural resources or buildings that warranted review for NRHP eligibility. IDOT requested details as to direct and indirect impacts to each resource noted in the document and a request for preliminary plans. TranSystems reviewed each property and prepared a comprehensive assessment and response in a memo submitted to IDOT on September 21, 2023. IDOT provided cultural clearance on April 30, 2024.

The 17 potentially impacted resources were outside of both the study limits and the ESR limits. The original scope only included preparation of the ESR form for submittal to IDOT. Preparing a comprehensive assessment of the 17 buildings, response memo, and plans showing the project in relation to the 17 buildings were not included in the original scope.

*(40 hours)*

**9. Additional and Updated Drainage Submittal**

TranSystems submitted existing drainage plans (EDP) to IDOT on June 14, 2021, and received comments on September 21, 2021. The revised EDP was submitted to IDOT on June 17, 2022, with comments received from IDOT on October 21, 2022. At the project kickoff on November 8, 2019, IDOT determined that a Location Drainage Technical Memo should be prepared instead of an LDS. The same materials and content would be required of the tech memo as that of an LDS, except the memo would not need to use the LDS forms.

TranSystems prepared and made a third submittal on June 7, 2024 of a Location Drainage Technical Memo (LDTM), which included the revised EDP, the draft Proposed Drainage Plan (PDP), and disposition of previous comments.

The original scope included a draft and final submittal of the Location Drainage Study. We anticipate an additional fourth submittal prior to IDOT's approval of the LDTM, and additional effort is anticipated for these submittals.

This includes the effort to incorporate the preferred median alternative into the EPD and PDP, and review calculations for outlet evaluation, stormwater detention analysis, and right-of-way analysis, for the fourth submittal of the LDTM.  
(40 hours)

**10. Additional QA/QC**

TranSystems will provide additional QA/QC reviews for: 1) the re-analysis of the Naperville Road portion of the project as requested by DuDOT, and 2) the additional drainage submittal.  
(32 hours)



Payroll Escalation Table  
Fixed Raises  
DLM 2.80

FIRM NAME TranSystems Corporation  
PRIME/SUPPLEMENT Supplement #3

DATE 10/2/2024  
PTB NO. \_\_\_\_\_

CONTRACT TERM 7 MONTHS  
START DATE 11/1/2024  
RAISE DATE 4/1/2025

OVERHEAD RATE 134.03%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

ESCALATION PER YEAR

<div>11/1/2024 - 4/1/2025</div> <div><div>5</div><div>7</div></div>	<div>4/2/2025 - 6/1/2025</div> <div><div>2</div><div>7</div></div>	<div></div> <div></div>	<div></div> <div></div>	<div></div> <div></div>
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= 71.43%  
= 1.0086

29.43%

The total escalation for this project would be: 0.86%



## Payroll Rates

FIRM NAME  
PRIME/SUPPLEMENT  
PTB NO.

**TranSystems Corporation**  
**Supplement #3**

DATE 10/2/2024

**ESCALATION FACTOR** 0.86%

[illegible]







Sheet 2 OF 2

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